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Group 1 Air Distribution

Group 1 Air Distribution

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Snaplock Pipe

2 Foot



No tools required for assembly. Simply start at one end and easily snap pipe together. One person can quickley assemble up to 10 ft. lengths. The male end's self starting crimp is designed so once assembled the crimp completes a rigid, leak-proof connection that meets the +2" w.g. pressure.

24 Gauge

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	JT	10242	SL24524 5IN 24GA 2FT PIPE	—	—
10	JT	10243	SL24624 6IN 24GA 2FT PIPE	—	—
10	JT	10244	SL24724 7IN 24GA 2FT PIPE	—	—
10	JT	10245	SL24824 8IN 24GA 2FT PIPE	—	—
10	JT	10246	SL24924 9IN 24GA 2FT PIPE	—	—
10	JT	10247	SL241024 10IN 24GA 2FT PIPE	—	—
10	JT	10248	SL241224 12IN 24GA 2FT PIPE	—	—

26 Gauge

20	JT	10261	SL24326 3IN 26GA 2FT PIPE	—	—
20	JT	10262	SL24426 4IN 26GA 2FT PIPE	—	—
20	JT	10263	SL24526 5IN 26GA 2FT PIPE	—	—
20	JT	10264	SL24626 6IN 26GA 2FT PIPE	—	—
20	JT	10265	SL24726 7IN 26GA 2FT PIPE	—	—
20	JT	10266	SL24826 8IN 26GA 2FT PIPE	—	—
10	JT	10268	SL241026 10IN 26GA 2FT PIPE	—	—
10	JT	10269	SL241226 12IN 26GA 2FT PIPE	—	—
10	JT	10270	SL241426 14IN 26GA 2FT PIPE	—	—
10	JT	10271	SL241626 16IN 26GA 2FT PIPE	—	—
10	JT	10272	SL241826 18IN 26GA 2FT PIPE	—	—

28 Gauge

20	JT	10281	SL24328 3IN 28GA 2FT PIPE	—	—
20	JT	10282	SL24428 4IN 28GA 2FT PIPE	—	—
20	JT	10283	SL24528 5IN 28GA 2FT PIPE	—	—
20	JT	10284	SL24628 6IN 28GA 2FT PIPE	—	—

30 Guage

25	JT	10303	SL24330 3IN 30GA 2FT PIPE	—	—
25	JT	10304	SL24430 4IN 30GA 2FT PIPE	—	—
25	JT	10305	SL24530 5IN 30GA 2FT PIPE	—	—
25	JT	10306	SL24630 6IN 30GA 2FT PIPE	—	—
25	JT	10307	SL24730 7IN 30GA 2FT PIPE	—	—
25	JT	10308	SL24830 8IN 30GA 2FT PIPE	—	—
10	JT	10309	SL24930 9IN 30GA 2FT PIPE	—	—
10	JT	10310	SL241030 10IN 30GA 2FT PIPE	—	—
10	JT	10311	SL241230 12IN 30GA 2FT PIPE	—	—

Snaplock Pipe and Fittings



SL



96

No tools required for assembly. Simply start at one end and easily snap pipe together. One person can quickley assemble up to 10ft. lengths. The male end's self starting crimp is designed so once assembled, the crimp completes a rigid, leak-proof connection that meets +2" w.g. pressure.

SL Pipe, 5 Ft. , 26GA

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	10770	SL60426 4IN 5FT 26GA PIPE	—	—
10	EA	10769	SL60526 5IN 5FT 26GA PIPE	—	—
10	EA	10724	SL60626 6IN 5FT 26GA PIPE	—	—
10	EA	10725	SL60726 7IN 5FT 26GA PIPE	—	—
5	EA	10726	SL60826 8IN 5FT 26GA PIPE	—	—
5	EA	10727	SL60926 9IN 5FT 26GA PIPE	—	—
5	EA	10728	SL601026 10IN 5FT 26GA PIPE	—	—
5	EA	10729	SL601226 12IN 5FT 26GA PIPE	—	—
5	EA	10759	SL601426 14IN 5FT 26GA PIPE	—	—
5	EA	10760	SL601626 16IN 5FT 26GA PIPE	—	—
5	EA	15700	SL601826 18IN 5FT 26GA PIPE	—	—

SL Pipe, 5 Ft. , 30GA

10	EA	10736	SL60430 4IN 5FT 30GA PIPE	—	—
10	EA	10737	SL60530 5IN 5FT 30GA PIPE	—	—
10	EA	10738	SL60630 6IN 5FT 30GA PIPE	—	—
10	EA	10739	SL60730 7IN 5FT 30GA PIPE	—	—
10	EA	10740	SL60830 8IN 5FT 30GA PIPE	—	—
5	EA	10741	SL60930 9IN 5FT 30GA PIPE	—	—
5	EA	10742	SL601030 10IN 5FT 30GA PIPE	—	—
5	EA	10743	SL601230 12IN 5FT 30GA PIPE	—	—
10	EA	10747	SL60330 3IN 5FT 30GA PIPE	—	—

SL Pipe, 10 Ft. , 30GA

5	EA	10695	SL120630 6IN 10FT 30GA PIPE	—	—
5	EA	10696	SL120430 4IN 10FT 30GA PIPE	—	—
5	EA	10697	SL120530 5IN 10FT 30GA PIPE	—	—
5	EA	10699	SL120730 7IN 10FT 30GA PIPE	—	—
5	EA	10700	SL120830 8IN 10FT 30GA PIPE	—	—

96 Drawbands

12	EA	10423	966 6IN DRAWBAND	—	—
12	EA	10424	967 7IN DRAWBAND	—	—
12	EA	10425	968 8IN DRAWBAND	—	—
12	EA	10428	9612 12IN DRAWBAND	—	—
12	EA	10429	9614 14IN DRAWBAND	—	—

Aluminum Pipe

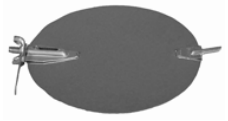
2 Foot



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	JT	13451	ALP244 4IN 2FT ALUM PIPE	—	—

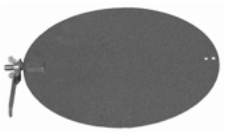
44 2-Quad Dampers

With Garret Clips



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	13128	444 4IN 2 QUAD DAMPER W/GARRET CLIP	—	—
25	EA	13129	445 5IN 2 QUAD DAMPER W/GARRET CLIP	—	—
25	EA	13130	446 6IN 2 QUAD DAMPER W/GARRET CLIP	—	—
25	EA	13131	447 7IN 2 QUAD DAMPER W/GARRET CLIP	—	—
25	EA	13132	448 8IN 2 QUAD DAMPER W/GARRET CLIP	—	—
12	EA	13134	4410 10IN 2 QUAD DAMPER W/GARRET CLIP	—	—
12	EA	13135	4412 12IN 2 QUAD DAMPER W/GARRET CLIP	—	—

44S Econo Dampers



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	13091	44S6 6IN ECONO DAMPER	—	—
25	EA	13092	44S7 7IN ECONO DAMPER	—	—
25	EA	13093	44S8 8IN ECONO DAMPER	—	—

D6100 Single Bearing Damper

Malco dampers are designed for forced air systems. Use only for air handling applications where temperature does not exceed 350° F.



D6100 Single Bearing Damper

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	CTN	80520	D6100 6" DAMPER 100/CTN	—

Damper Handles and Wing Nuts

1	PKG	80521	H1100 DAMPER HANDLES 100/PKG	—
1	PKG	80522	WN100 DAMPER WING NUTS 100/PKG	—

Adjustable Elbows, 90°



- 4-piece assembly
- Crimp and bead male connection and straight female connection
- Meets +/-2 w.g. pressure overall

24GA

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	10940	90524 5IN 24GA ELBOW	—	—
12	EA	10941	90624 6IN 24GA ELBOW	—	—
12	EA	10942	90724 7IN 24GA ELBOW	—	—
12	EA	10943	90824 8IN 24GA ELBOW	—	—
12	EA	10944	90924 9IN 24GA ELBOW	—	—

26GA

12	EA	10945	901024 10IN 24GA ELBOW	—	—
8	EA	10946	901224 12IN 24GA ELBOW	—	—
4	EA	10948	901624 16IN 24GA ELBOW	—	—
1	EA	10949	901824 18IN 24GA ELBOW	—	—
24	EA	10958	90326 3IN 26GA ELBOW	—	—
24	EA	10959	90426 4IN 26GA ELBOW	—	—
12	EA	10960	90526 5IN 26GA ELBOW	—	—
12	EA	10961	90626 6IN 26GA ELBOW	—	—
12	EA	10962	90726 7IN 26GA ELBOW	—	—
12	EA	10963	90826 8IN 26GA ELBOW	—	—
12	EA	10964	90926 9IN 26GA ELBOW	—	—
12	EA	10965	901026 10IN 26GA ELBOW	—	—
8	EA	10966	901226 12IN 26GA ELBOW	—	—
4	EA	10967	901426 14IN 26GA ELBOW	—	—
4	EA	10968	901626 16IN 26GA ELBOW	—	—
1	EA	10969	901826 18IN 26GA ELBOW	—	—

28GA

24	EA	10979	90328 3IN 28GA ELBOW	—	—
24	EA	10980	90428 4IN 28GA ELBOW	—	—
12	EA	10981	90528 5IN 28GA ELBOW	—	—
12	EA	10982	90628 6IN 28GA ELBOW	—	—
8	EA	10987	901228 12IN 28GA ELBOW	—	—

30GA

24	EA	10999	90330 3IN 30GA ELBOW	—	—
24	EA	11000	90430 4IN 30GA ELBOW	—	—
12	EA	11001	90530 5IN 30GA ELBOW	—	—
12	EA	11003	90630 6IN 30GA ELBOW	—	—
12	EA	11004	90730 7IN 30GA ELBOW	—	—
12	EA	11005	90830 8IN 30GA ELBOW	—	—
12	EA	11006	90930 9IN 30GA ELBOW	—	—
12	EA	11007	901030 10IN 30GA ELBOW	—	—

Adjustable Elbow, 90°

Aluminum



- 4-piece assembly
- Crimp and bead male connection and straight female connection

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	13471	AL904 4IN ALUM ELBOW	—	—

Adjustable Angle, 45°



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11076	45824 8IN 24GA ANGLE	—	—
12	EA	11096	45626 6IN 26GA ANGLE	—	—
12	EA	11099	45926 9IN 26GA ANGLE	—	—
12	EA	11100	451026 10IN 26GA ANGLE	—	—
24	EA	11133	45630 6IN 30GA ANGLE	—	—
24	EA	11135	45830 8IN 30GA ANGLE	—	—

78 Wye Branch



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	15008	78644 6X4X4 Y BRANCH	—	—
12	EA	15011	78666 6X6X6 Y BRANCH	—	—
12	EA	15016	78755 7X5X5 Y BRANCH	—	—
12	EA	11194	78866 8X6X6 Y BRANCH	—	—
12	EA	15023	78876 8X7X6 Y BRANCH	—	—
12	EA	11195	78977 9X7X7 Y BRANCH	—	—
12	EA	11196	781088 10X8X8 Y BRANCH	—	—
1	EA	11197	78121010 12X10X10 Y BRANCH	—	—
1	EA	15028	78141010 14X10X10 Y BRANCH	—	—
1	EA	11198	78141212 14X12X12 Y BRANCH	—	—

Free Flow Tees



1060 52

1060 Tees, 90°, 26GA

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11213	1060263 3X3X3 FULL FLOW TEE	—	—
1	EA	15040	106026433 4X3X3 FULL FLOW TEE	—	—
12	EA	11214	1060264 4X4X4 FULL FLOW TEE	—	—
1	EA	11212	106026543 5X4X3 FULL FLOW TEE	—	—
1	EA	15045	106026544 5X4X4 FULL FLOW TEE	—	—
1	EA	11215	106026553 5X5X3 FULL FLOW TEE	—	—
1	EA	15047	106026554 5X5X4 FULL FLOW TEE	—	—
12	EA	11216	1060265 5X5X5 FULL FLOW TEE	—	—
1	EA	15052	106026643 6X4X3 FULL FLOW TEE	—	—
1	EA	11217	106026653 6X5X3 FULL FLOW TEE	—	—
1	EA	11211	106026654 6X5X4 FULL FLOW TEE	—	—
1	EA	11218	106026663 6X6X3 FULL FLOW TEE	—	—
1	EA	11219	106026664 6X6X4 FULL FLOW TEE	—	—
12	EA	11220	1060266 6X6X6 FULL FLOW TEE	—	—
1	EA	11223	106026763 7X6X3 FULL FLOW TEE	—	—
12	EA	11228	1060267 7X7X7 FULL FLOW TEE	—	—
1	EA	11229	106026886 8X8X6 FULL FLOW TEE	—	—
12	EA	11230	1060268 8X8X8 FULL FLOW TEE	—	—
12	EA	11231	1060269 9X9X9 FULL FLOW TEE	—	—
6	EA	11232	10602610 10X10X10 FULL FLOW TEE	—	—
1	EA	11233	10602612 12X12X12 FULL FLOW TEE	—	—
1	EA	11234	10602614 14X14X14 FULL FLOW TEE	—	—
1	EA	15136	10602616 16X16X16 FULL FLOW TEE	—	—
1	EA	15146	10602618 18X18X18 FULL FLOW TEE	—	—

52 Tees, 45°

12	EA	15228	52433 4X3X3 45DEG FLUE WYE	—	—
12	EA	15233	52543 5X4X3 45DEG FLUE WYE	—	—
12	EA	15234	52544 5X4X4 45DEG FLUE WYE	—	—
12	EA	15235	52553 5X5X3 45DEG FLUE WYE	—	—
12	EA	15239	52643 6X4X3 45DEG FLUE WYE	—	—
12	EA	15240	52644 6X4X4 45DEG FLUE WYE	—	—
12	EA	15241	52653 6X5X3 45DEG FLUE WYE	—	—
12	EA	15242	52654 6X5X4 45DEG FLUE WYE	—	—
12	EA	15248	52666 6X6X6 45DEG FLUE WYE	—	—
12	EA	15257	52744 7X4X4 45DEG FLUE WYE	—	—
12	EA	15261	52764 7X6X4 45DEG FLUE WYE	—	—
12	EA	15263	52774 7X7X4 45DEG FLUE WYE	—	—
12	EA	11205	52866 8X6X6 45DEG FLUE WYE	—	—
12	EA	15272	52874 8X7X4 45DEG FLUE WYE	—	—

Cleanout Caps



55 Crimped 55 Plain

55 Collar End Caps, Crimped

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11253	553 3IN CLEANOUT CAP	—	—
12	EA	11254	554 4IN CLEANOUT CAP	—	—
12	EA	11255	555 5IN CLEANOUT CAP	—	—
12	EA	11256	556 6IN CLEANOUT CAP	—	—
12	EA	11257	557 7IN CLEANOUT CAP	—	—
12	EA	11258	558 8IN CLEANOUT CAP	—	—
12	EA	11259	559 9IN CLEANOUT CAP	—	—
12	EA	11260	5510 10IN CLEANOUT CAP	—	—
12	EA	11261	5512 12IN CLEANOUT CAP	—	—
12	EA	11262	5514 14IN CLEANOUT CAP	—	—
12	EA	11263	5516 16IN CLEANOUT CAP	—	—
12	EA	11264	5518 18IN CLEANOUT CAP	—	—

55 Collar End Caps, Plain

12	EA	11273	553NC 3IN PLAIN CLEANOUT CAP	—	—
12	EA	11274	554NC 4IN PLAIN CLEANOUT CAP	—	—
12	EA	11275	555NC 5IN PLAIN CLEANOUT CAP	—	—
12	EA	11276	556NC 6IN PLAIN CLEANOUT CAP	—	—
12	EA	11277	557NC 7IN PLAIN CLEANOUT CAP	—	—
12	EA	11278	558NC 8IN PLAIN CLEANOUT CAP	—	—
12	EA	11279	559NC 9IN PLAIN CLEANOUT CAP	—	—
12	EA	11280	5510NC 10IN PLAIN CLEANOUT CAP	—	—
12	EA	11281	5512NC 12IN PLAIN CLEANOUT CAP	—	—
12	EA	11282	5514NC 14IN PLAIN CLEANOUT CAP	—	—
12	EA	11283	5516NC 16IN PLAIN CLEANOUT CAP	—	—
12	EA	11284	5518NC 18IN PLAIN CLEANOUT CAP	—	—

142 Storm Collars



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	11315	1424 4IN SAFETY COLLAR	—	—
1	EA	11317	1426 6IN SAFETY COLLAR	—	—
1	EA	11318	1427 7IN SAFETY COLLAR	—	—
1	EA	11319	1428 8IN SAFETY COLLAR	—	—

Reducers



582



58

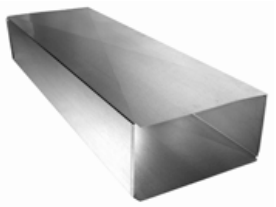
582 Reducers, Plain Ends, 2-Piece

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11360	58243 4X3 REDUCER	—	—
12	EA	11361	58253 5X3 REDUCER	—	—
12	EA	11362	58254 5X4 REDUCER	—	—
12	EA	11363	58263 6X3 REDUCER	—	—
12	EA	11364	58264 6X4 REDUCER	—	—
12	EA	11365	58265 6X5 REDUCER	—	—
12	EA	11367	58274 7X4 REDUCER	—	—
12	EA	11368	58275 7X5 REDUCER	—	—
12	EA	11369	58276 7X6 REDUCER	—	—
12	EA	11370	58284 8X4 REDUCER	—	—
12	EA	11371	58285 8X5 REDUCER	—	—
12	EA	11372	58286 8X6 REDUCER	—	—
12	EA	11373	58287 8X7 REDUCER	—	—
12	EA	11375	58296 9X6 REDUCER	—	—
12	EA	11376	58297 9X7 REDUCER	—	—
12	EA	11377	58298 9X8 REDUCER	—	—
12	EA	11378	582105 10X5 REDUCER	—	—
12	EA	11379	582106 10X6 REDUCER	—	—
12	EA	11380	582107 10X7 REDUCER	—	—
12	EA	11381	582108 10X8 REDUCER	—	—
12	EA	11382	582109 10X9 REDUCER	—	—
12	EA	11383	582126 12X6 REDUCER	—	—
12	EA	11384	582127 12X7 REDUCER	—	—
12	EA	11385	582128 12X8 REDUCER	—	—
12	EA	11387	5821210 12X10 REDUCER	—	—

58 Tapered Reducers, Plain Ends, 3-Piece

12	EA	11500	5843 4X3 TAPERED REDUCER	—	—
12	EA	11501	5853 5X3 TAPERED REDUCER	—	—
12	EA	11502	5854 5X4 TAPERED REDUCER	—	—
12	EA	11503	5863 6X3 TAPERED REDUCER	—	—
12	EA	11504	5864 6X4 TAPERED REDUCER	—	—
12	EA	11505	5865 6X5 TAPERED REDUCER	—	—
12	EA	11506	5873 7X3 TAPERED REDUCER	—	—
12	EA	11507	5874 7X4 TAPERED REDUCER	—	—
12	EA	11508	5875 7X5 TAPERED REDUCER	—	—
12	EA	11509	5876 7X6 TAPERED REDUCER	—	—
12	EA	11511	5885 8X5 TAPERED REDUCER	—	—
12	EA	11512	5886 8X6 TAPERED REDUCER	—	—
12	EA	11513	5887 8X7 TAPERED REDUCER	—	—
12	EA	11515	5896 9X6 TAPERED REDUCER	—	—
12	EA	11516	5897 9X7 TAPERED REDUCER	—	—
12	EA	11517	5898 9X8 TAPERED REDUCER	—	—
12	EA	11519	58105 10X5 TAPERED REDUCER	—	—
12	EA	11520	58106 10X6 TAPERED REDUCER	—	—
12	EA	11521	58107 10X7 TAPERED REDUCER	—	—
12	EA	11522	58108 10X8 TAPERED REDUCER	—	—
12	EA	15406	58109 10X9 TAPERED REDUCER	—	—
12	EA	11525	58128 12X8 TAPERED REDUCER	—	—
12	EA	11527	581210 12X10 TAPERED REDUCER	—	—
12	EA	11528	581412 14X12 TAPERED REDUCER	—	—
1	EA	15414	58148 14X8 TAPERED REDUCER	—	—
1	EA	15425	581612 16X12 TAPERED REDUCER	—	—
1	EA	15426	581614 16X14 TAPERED REDUCER	—	—

Trunk Duct



- Furnished in button snap-lock with s-cleat and drive connections.
- Cross broken for extra stiffening strength.

48" L x 10" H

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	10880	TDR481010 10X10 DUCT	—	—
1	EA	10881	TDR481210 12X10 DUCT	—	—
1	EA	10882	TDR481410 14X10 DUCT	—	—
1	EA	10883	TDR481610 16X10 DUCT	—	—
1	EA	10884	TDR481810 18X10 DUCT	—	—
6	EA	10345	TD482010 20 X 10 DUCT	—	—
6	EA	10346	TD482510 25 X 10 DUCT	—	—

48"L x 12" H

6	JT	10893	TD482012 20X12 DUCT	—	—
6	JT	10894	TD482212 22X12 DUCT	—	—
6	JT	10895	TD482412 24X12 DUCT	—	—
6	JT	10896	TD482612 26X12 DUCT	—	—
6	JT	10897	TD482812 28X12 DUCT	—	—
6	JT	10898	TD483012 30X12 DUCT	—	—

60" L x 10" H

1	EA	10852	TDR601010 10X10 DUCT	—	—
1	EA	10861	TDR601210 12X10 DUCT	—	—
1	EA	10862	TDR601410 14X10 DUCT	—	—
1	EA	10853	TDR601610 16X10 DUCT	—	—
1	EA	10854	TDR601810 18X10 DUCT	—	—
1	EA	10855	TDR602010 20X10 DUCT	—	—
1	EA	10856	TDR602210 22X10 DUCT	—	—
1	EA	10857	TDR602410 24X10 DUCT	—	—
1	EA	10858	TDR602610 26X10 DUCT	—	—
5	EA	10859	TD602810 28X10 DUCT	—	—
5	EA	10860	TD603010 30X10 DUCT	—	—

60" L x 12" H

5	EA	10899	TD602412 24X12 DUCT	—	—

96" L x 8" H

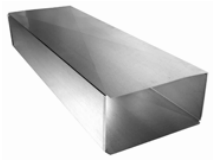
1	EA	10522	TD9688 8X8 DUCT	—	—
1	EA	10523	TD96108 10X8 DUCT	—	—
1	EA	10524	TD96128 12X8 DUCT	—	—
1	EA	10525	TD96148 14X8 DUCT	—	—
1	EA	10526	TD96168 16X8 DUCT	—	—
1	EA	10527	TD96188 18X8 DUCT	—	—
1	EA	10528	TD96208 20X8 DUCT	—	—
1	EA	10529	TD96228 22X8 DUCT	—	—
1	EA	10530	TD96248 24X8 DUCT	—	—

96" L x 10" H

1	EA	10553	TD961010 10X10 DUCT	—	—
1	EA	10554	TD961210 12X10 DUCT	—	—
1	EA	10555	TD961410 14X10 DUCT	—	—
1	EA	10556	TD961610 16X10 DUCT	—	—
1	EA	10557	TD961810 18X10 DUCT	—	—
1	EA	10558	TD962010 20X10 DUCT	—	—
1	EA	10559	TD962410 24X10 DUCT	—	—

Trunkline Duct

Uncartoned



- Furnished in button snap-lock with s-cleat and drive connections
- Cross broken for extra stiffening strength

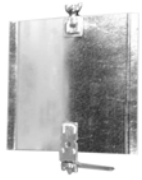
48" L x 8" H

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
6	EA	10315	TD4888 8X8 DUCT	—	—
6	EA	10316	TD48108 10X8 DUCT	—	—
6	EA	10317	TD48128 12X8 DUCT	—	—
6	EA	10318	TD48148 14X8 DUCT	—	—
6	EA	10319	TD48168 16X8 DUCT	—	—
6	EA	10320	TD48188 18X8 DUCT	—	—
6	EA	10321	TD48208 20X8 DUCT	—	—
6	EA	10322	TD48228 22X8 DUCT	—	—
6	EA	10323	TD48248 24X8 DUCT	—	—

60" L x 8" H

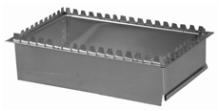
1	EA	10824	TDR6088 8X8 DUCT	—	—
1	EA	10825	TDR60108 10X8 DUCT	—	—
1	EA	10826	TDR60128 12X8 DUCT	—	—
1	EA	10827	TDR60148 14X8 DUCT	—	—
1	EA	10828	TDR60168 16X8 DUCT	—	—
1	EA	10829	TDR60188 18X8 DUCT	—	—
1	EA	10830	TDR60208 20X8 DUCT	—	—
1	EA	10831	TDR60228 22X8 DUCT	—	—
1	EA	10832	TDR60248 24X8 DUCT	—	—
5	EA	10511	TD60268 26X8 DUCT	—	—
5	EA	10512	TD60288 28X8 DUCT	—	—
5	EA	10513	TD60308 30X8 DUCT	—	—

42 Rectangular Volume Dampers

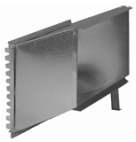


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	13144	4288 8X8 RECT DAMPER	—	—
1	EA	13145	42108 10X8 RECT DAMPER	—	—
1	EA	13146	42128 12X8 RECT DAMPER	—	—
1	EA	13147	42148 14X8 RECT DAMPER	—	—
1	EA	13148	42168 16X8 RECT DAMPER	—	—
1	EA	13149	42188 18X8 RECT DAMPER	—	—
1	EA	13150	42208 20X8 RECT DAMPER	—	—
1	EA	13152	42248 24X8 RECT DAMPER	—	—
1	EA	13153	422010 20X10 RECT DAMPER	—	—

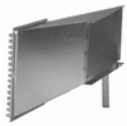
Trunk Duct Collars



20



23



1109

20 Straight Collars

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	11831	2088 8X8 START COLLAR	—	—
1	EA	11833	20108 10X8 START COLLAR	—	—
1	EA	11835	20128 12X8 START COLLAR	—	—
1	EA	11840	20148 14X8 START COLLAR	—	—
1	EA	11842	20168 16X8 START COLLAR	—	—
1	EA	11844	20188 18X8 START COLLAR	—	—
1	EA	11847	20208 20X8 START COLLAR	—	—
1	EA	11848	20228 22X8 START COLLAR	—	—
1	EA	11849	20248 24X8 START COLLAR	—	—
1	EA	11850	20268 26X8 START COLLAR	—	—
1	EA	11868	201010 10X10 START COLLAR	—	—
1	EA	11869	201210 12X10 START COLLAR	—	—
1	EA	11870	201410 14X10 START COLLAR	—	—
1	EA	11813	201610 16X10 START COLLAR	—	—
1	EA	11814	201810 18X10 START COLLAR	—	—
1	EA	11845	202010 20X10 START COLLAR	—	—
1	EA	11834	202510 25X10 START COLLAR	—	—
1	EA	11837	202210 22X10 START COLLAR	—	—
1	EA	11841	202410 24X10 START COLLAR	—	—
1	EA	11843	202610 26X10 START COLLAR	—	—
1	EA	11846	202810 28X10 START COLLAR	—	—
1	EA	11871	203010 30X10 START COLLAR	—	—

23 Offset Collars

8	EA	11855	2388 8X8 OFFSET START COLLAR	—	—
8	EA	11856	23108 10X8 OFFSET START COLLAR	—	—
8	EA	11857	23128 12X8 OFFSET START COLLAR	—	—
6	EA	11858	23148 14X8 OFFSET START COLLAR	—	—
6	EA	11859	23168 16X8 OFFSET START COLLAR	—	—
6	EA	11860	23188 18X8 OFFSET START COLLAR	—	—
6	EA	11861	23208 20X8 OFFSET START COLLAR	—	—
6	EA	11862	23228 22X8 OFFSET START COLLAR	—	—
6	EA	11863	23248 24X8 OFFSET START COLLAR	—	—

1109 Transition Collars

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	11873	1109168 10X13 16X8 TRANS START COLLAR	—	—
6	EA	11874	1109188 10X15 18X8 TRANS START COLLAR	—	—
4	EA	11875	1109208 10X16 20X8 TRANS START COLLAR	—	—
4	EA	11876	1109228 10X18 22X8 TRANS START COLLAR	—	—
4	EA	11877	1109248 10X20 24X8 TRANS START COLLAR	—	—
1	EA	12012	1109308 15X16 30X8 TRANS START COLLAR	—	—
8	EA	12041	1109148 10X12 14X8 TRANS START COLLAR W/2IN RISE	—	—
6	EA	12042	1109168 10X13 16X8 TRANS START COLLAR W/2IN RISE	—	—
6	EA	12043	1109188 10X15 18X8 TRANS START COLLAR W/2IN RISE	—	—
1	EA	12013	11091610 10X16 16X10 TRANS START COLLAR W/2IN RISE	—	—
4	EA	12044	1109208 10X16 20X8 TRANS START COLLAR W/2IN RISE	—	—
4	EA	12045	1109228 10X18 22X8 TRANS START COLLAR W/2IN RISE	—	—
4	EA	12046	1109248 10X20 24X8 TRANS START COLLAR W/2IN RISE	—	—
1	EA	12014	11092010 13X16 20X10 TRANS START COLLAR W/2IN RISE	—	—
1	EA	12048	1109268 15X15 26X8 TRANS START COLLAR W/2IN RISE	—	—
1	EA	12003	11092410 15X16 24X10 TRANS START COLLAR W/2IN RISE	—	—
1	EA	12047	1109308 15X16 30X8 TRANS START COLLAR W/2IN RISE	—	—
1	EA	12004	11092610 15X18 26X10 TRANS START COLLAR W/2IN RISE	—	—
1	EA	12006	11093010 15X20 30X10 TRANS START COLLAR W/2IN RISE	—	—

Trunk Duct Fittings



35



15S

35 Trunk Reducers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11885	352 2IN TRUNK REDUCER	—	—
12	EA	11886	354 4IN TRUNK REDUCER	—	—
12	EA	11887	356 6IN TRUNK REDUCER	—	—
1	EA	12053	35410 4IN TRUNK REDUCER	—	—
1	EA	12054	35610 6IN TRUNK REDUCER	—	—

15S Vertical Square Throat Angle, 45°

6	EA	15703	15S88 8X8 SQ THROAT ANGLE	—	—
6	EA	15705	15S108 10X8 SQ THROAT ANGLE	—	—
6	EA	15707	15S128 12X8 SQ THROAT ANGLE	—	—
6	EA	15709	15S148 14X8 SQ THROAT ANGLE	—	—
6	EA	15711	15S168 16X8 SQ THROAT ANGLE	—	—
6	EA	15713	15S188 18X8 SQ THROAT ANGLE	—	—
6	EA	15715	15S208 20X8 SQ THROAT ANGLE	—	—
6	EA	15717	15S228 22X8 SQ THROAT ANGLE	—	—
6	EA	15719	15S248 24X8 SQ THROAT ANGLE	—	—
1	EA	15720	15S268 26X8 SQ THROAT ANGLE	—	—
1	EA	15721	15S288 28X8 SQ THROAT ANGLE	—	—
1	EA	15722	15S308 30X8 SQ THROAT ANGLE	—	—
1	EA	15706	15S1010 10X10 SQ THROAT ANGLE	—	—
1	EA	15708	15S1210 12X10 SQ THROAT ANGLE	—	—
1	EA	15710	15S1410 14X10 SQ THROAT ANGLE	—	—
1	EA	15723	15S1610 16X10 SQ THROAT ANGLE	—	—
1	EA	15724	15S1810 18X10 SQ THROAT ANGLE	—	—
1	EA	15725	15S2010 20X10 SQ THROAT ANGLE	—	—
1	EA	15726	15S2210 22X10 SQ THROAT ANGLE	—	—
1	EA	15727	15S2410 24X10 SQ THROAT ANGLE	—	—
1	EA	15728	15S2610 26X10 SQ THROAT ANGLE	—	—
1	EA	15729	15S2810 28X10 SQ THROAT ANGLE	—	—
1	EA	15731	15S3010 30X10 SQ THROAT ANGLE	—	—

Trunk Duct Fittings



16S



17

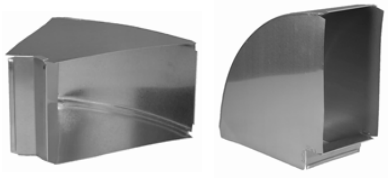
16S Vertical Square Elbow, 90°

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
8	EA	15739	16S88 8X8 SQ THROAT ELBOW	—	—
8	EA	15741	16S108 10X8 SQ THROAT ELBOW	—	—
8	EA	15743	16S128 12X8 SQ THROAT ELBOW	—	—
6	EA	15745	16S148 14X8 SQ THROAT ELBOW	—	—
6	EA	15747	16S168 16X8 SQ THROAT ELBOW	—	—
6	EA	15749	16S188 18X8 SQ THROAT ELBOW	—	—
6	EA	15751	16S208 20X8 SQ THROAT ELBOW	—	—
4	EA	15753	16S228 22X8 SQ THROAT ELBOW	—	—
4	EA	15755	16S248 24X8 SQ THROAT ELBOW	—	—
1	EA	15756	16S268 26X8 SQ THROAT ELBOW	—	—
1	EA	15757	16S288 28X8 SQ THROAT ELBOW	—	—
1	EA	15758	16S308 30X8 SQ THROAT ELBOW	—	—
1	EA	15760	16S1010 10X10 SQ THROAT ELBOW	—	—
1	EA	15761	16S1210 12X10 SQ THROAT ELBOW	—	—
1	EA	15762	16S1410 14X10 SQ THROAT ELBOW	—	—
1	EA	15763	16S1610 16X10 SQ THROAT ELBOW	—	—
1	EA	15764	16S1810 18X10 SQ THROAT ELBOW	—	—
1	EA	15765	16S2010 20X10 SQ THROAT ELBOW	—	—
1	EA	15766	16S2210 22X10 SQ THROAT ELBOW	—	—
1	EA	15767	16S2410 24X10 SQ THROAT ELBOW	—	—
1	EA	15768	16S2610 26X10 SQ THROAT ELBOW	—	—
1	EA	15769	16S2810 28X10 SQ THROAT ELBOW	—	—
1	EA	15771	16S3010 30X10 SQ THROAT ELBOW	—	—

17 Trunk Transition (Tapered to 1 side)

1	EA	11943	1712888 12X8 TO 8X8 TRUNK REDUCER	—	—
1	EA	11944	17128108 12X8 TO 10X8 TRUNK REDUCER	—	—
1	EA	11948	17148128 14X8 TO 12X8 TRUNK REDUCER	—	—
1	EA	11952	17168128 16X8 TO 12X8 TRUNK REDUCER	—	—
1	EA	11953	17168148 16X8 TO 14X8 TRUNK REDUCER	—	—
1	EA	11958	17188148 18X8 TO 14X8 TRUNK REDUCER	—	—
1	EA	11959	17188168 18X8 TO 16X8 TRUNK REDUCER	—	—
1	EA	11964	17208148 20X8 TO 14X8 TRUNK REDUCER	—	—
1	EA	11965	17208168 20X8 TO 16X8 TRUNK REDUCER	—	—
1	EA	11966	17208188 20X8 TO 18X8 TRUNK REDUCER	—	—
1	EA	11973	17228188 22X8 TO 18X8 TRUNK REDUCER	—	—
1	EA	11980	17248168 24X8 TO 16X8 TRUNK REDUCER	—	—
1	EA	11982	17248208 24X8 TO 20X8 TRUNK REDUCER	—	—

Trunk Duct Fittings



13S 14S

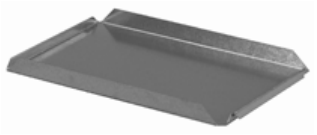
13S Flat Square Throat Angle, 45°

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	15774	13S88 8X8 SQ THROAT ANGLE	—	—
6	EA	15776	13S108 10X8 SQ THROAT ANGLE	—	—
6	EA	15778	13S128 12X8 SQ THROAT ANGLE	—	—
6	EA	15780	13S148 14X8 SQ THROAT ANGLE	—	—
6	EA	15782	13S168 16X8 SQ THROAT ANGLE	—	—
6	EA	15784	13S188 18X8 SQ THROAT ANGLE	—	—
6	EA	15786	13S208 20X8 SQ THROAT ANGLE	—	—
6	EA	15788	13S228 22X8 SQ THROAT ANGLE	—	—
6	EA	15790	13S248 24X8 SQ THROAT ANGLE	—	—
1	EA	15791	13S268 26X8 SQ THROAT ANGLE	—	—
1	EA	15793	13S308 30X8 SQ THROAT ANGLE	—	—
1	EA	15794	13S1010 10X10 SQ THROAT ANGLE	—	—
1	EA	15795	13S1210 12X10 SQ THROAT ANGLE	—	—
1	EA	15797	13S1410 14X10 SQ THROAT ANGLE	—	—
1	EA	15798	13S1610 16X10 SQ THROAT ANGLE	—	—
1	EA	15799	13S1810 18X10 SQ THROAT ANGLE	—	—
1	EA	15800	13S2010 20X10 SQ THROAT ANGLE	—	—
1	EA	15801	13S2210 22X10 SQ THROAT ANGLE	—	—
1	EA	15802	13S2410 24X10 SQ THROAT ANGLE	—	—
1	EA	15803	13S2610 26X10 SQ THROAT ANGLE	—	—

14S Flat Square Throat Elbow, 90°

8	EA	15814	14S88 8X8 SQ THROAT ELBOW	—	—
8	EA	15816	14S108 10X8 SQ THROAT ELBOW	—	—
6	EA	15818	14S128 12X8 SQ THROAT ELBOW	—	—
6	EA	15820	14S148 14X8 SQ THROAT ELBOW	—	—
6	EA	15822	14S168 16X8 SQ THROAT ELBOW	—	—
3	EA	15824	14S188 18X8 SQ THROAT ELBOW	—	—
3	EA	15826	14S208 20X8 SQ THROAT ELBOW	—	—
3	EA	15828	14S228 22X8 SQ THROAT ELBOW	—	—
3	EA	15830	14S248 24X8 SQ THROAT ELBOW	—	—
1	EA	15832	14S268 26X8 SQ THROAT ELBOW	—	—
1	EA	15831	14S308 30X8 SQ THROAT ELBOW	—	—
1	EA	15817	14S1010 10X10 SQ THROAT ELBOW	—	—
1	EA	15819	14S1210 12X10 SQ THROAT ELBOW	—	—
1	EA	15821	14S1410 14X10 SQ THROAT ELBOW	—	—
1	EA	15805	14S1610 16X10 SQ THROAT ELBOW	—	—
1	EA	15806	14S1810 18X10 SQ THROAT ELBOW	—	—
1	EA	15807	14S2010 20X10 SQ THROAT ELBOW	—	—
1	EA	15808	14S2210 22X10 SQ THROAT ELBOW	—	—
1	EA	15809	14S2410 24X10 SQ THROAT ELBOW	—	—
1	EA	15810	14S2610 26X10 SQ THROAT ELBOW	—	—
1	EA	15811	14S2810 28X10 SQ THROAT ELBOW	—	—
1	EA	15834	14S3010 30X10 SQ THROAT ELBOW	—	—

Trunk Duct End Caps



21 End Caps, 8 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	12106	2188 8X8 END CAP	—	—
1	EA	12107	21108 10X8 END CAP	—	—
1	EA	12108	21128 12X8 END CAP	—	—
1	EA	12109	21148 14X8 END CAP	—	—
1	EA	12110	21168 16X8 END CAP	—	—
1	EA	12111	21188 18X8 END CAP	—	—
1	EA	12112	21208 20X8 END CAP	—	—
1	EA	12113	21228 22X8 END CAP	—	—
1	EA	12114	21248 24X8 END CAP	—	—
1	EA	12115	21268 26X8 END CAP	—	—
1	EA	12116	21288 28X8 END CAP	—	—
1	EA	12117	21308 30X8 END CAP	—	—

Trunkline End Caps, 10 Inch

1	EA	12080	211010 10X10 END CAP	—	—
1	EA	12081	211210 12X10 END CAP	—	—
1	EA	12082	211410 14X10 END CAP	—	—
1	EA	12083	211610 16X10 END CAP	—	—
1	EA	12084	211810 18X10 END CAP	—	—
1	EA	12085	212010 20X10 END CAP	—	—
1	EA	12086	212210 22X10 END CAP	—	—
1	EA	12087	212410 24X10 END CAP	—	—
1	EA	12088	212610 26X10 END CAP	—	—
1	EA	12089	212810 28X10 END CAP	—	—
1	EA	12090	212510 25X10 END CAP	—	—
1	EA	12091	213010 30X10 END CAP	—	—

Trunkline End Caps, 12 Inch

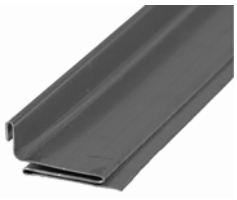
1	EA	12075	212212 22X12 END CAP	—	—
1	EA	12079	212412 24X12 END CAP	—	—
1	EA	12076	212612 26X12 END CAP	—	—
1	EA	12077	212812 28X12 END CAP	—	—

Note: See page 1-31 for wall stack end caps.

S Hooks and Drive Cleats for Rectangular Duct



6S Flat S Hook



37 Ridge S Cleat with 1/2" Leg



135 Ridge S Cleat with 1" Leg



8D Drive Cleats

6S Flat S Hooks

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	EA	10657	6S60 5FT FLAT S HOOK	—	—
10	EA	10658	6S120 10FT FLAT S HOOK	—	—

6S Flat S Clips (Bundled)

100	EA	10624	6S8 8IN GALV FLAT S CLIPS BUNDLED	—	—
100	EA	10625	6S10 10 IN GALV FLAT S CLIPS BUNDLED	—	—
100	EA	10626	6S12 12 IN GALV FLAT S CLIPS BUNDLED	—	—
100	EA	10627	6S14 14 IN GALV FLAT S CLIPS BUNDLED	—	—
100	EA	10628	6S16 16 IN GALV FLAT S CLIPS BUNDLED	—	—
100	EA	10648	6S20 20 IN GALV FLAT S CLIPS BUNDLED	—	—
100	EA	10631	6S24 24 IN GALV FLAT S CLIPS BUNDLED	—	—

37 Standing S Cleats, 1/2" Leg

20	EA	10660	3760 5FT STAND S CLEAT 1/2IN FLANGE	—	—
10	EA	10659	37120 10FT STAND S CLEAT 1/2IN FLANGE	—	—

135 standing S Cleats, 1" Leg

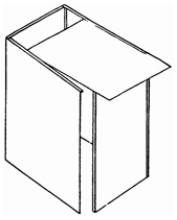
10	EA	10654	13512024 10FT 24GA STAND S CLEAT 1IN FLANGE	—	—
10	EA	10656	13512026 10FT 26GA STAND S CLEAT 1IN FLANGE	—	—

8D Drive Cleats

250	EA	10661	8D8 8IN DRIVE CLEAT	—	—
250	EA	10668	8D10 10IN DRIVE CLEAT	—	—
50	EA	10662	8D60 5FT DRIVE CLEAT	—	—

49T Plenum Top Panels

Adjustable



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	12121	49T1818 18 SQ SQ TOP PANEL	—	—
1	EA	12122	49T1414 14 SQ SQ TOP PANEL	—	—
1	EA	12123	49T1717 17 SQ SQ TOP PANEL	—	—
1	EA	12124	49T2020 20 SQ SQ TOP PANEL	—	—
1	EA	12125	49T2323 23 SQ SQ TOP PANEL	—	—
1	EA	12126	49T2626 26 SQ SQ TOP PANEL	—	—
1	EA	12127	49T3030 30 SQ SQ TOP PANEL	—	—
1	EA	12146	49T3232 32 SQ SQ TOP PANEL	—	—
1	EA	12157	49T2424 24IN SQ TOP PANEL	—	—

49C Plenum Packages

Adjustable



- Complete adjustable packages
- Cut to fit at jobsite
- 36" or 48" tall

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	PKG	16022	49C161636 16X16X36 PLENUM PKG	—	—
1	PKG	16023	49C181836 18X18X36 PLENUM PKG	—	—
1	PKG	16024	49C202036 20X20X36 PLENUM PKG	—	—
1	PKG	16026	49C242436 24X24X36 PLENUM PKG	—	—
1	PKG	16032	49C161648 16X16X48 PLENUM PKG	—	—
1	PKG	16033	49C181848 18X18X48 PLENUM PKG	—	—
1	PKG	16034	49C202048 20X20X48 PLENUM PKG	—	—
1	PKG	16036	49C242448 24X24X48 PLENUM PKG	—	—

Plenum Packages

Stock Sizes



- Stock sizes for Armstrong and Ducane equipment
- No cutting required
- 24", 36", or 48" tall

24 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	PKG	16070	68G24H 13 1/2X 19 9/16X PLENUM PKG	—	—
1	PKG	16071	74G24H 16 1/2X 19 9/16X PLENUM PKG	—	—
1	PKG	16072	80G24H 20 X 19 9/16X 24 PLENUM PKG	—	—
1	PKG	16073	88G24H 23 1/2X 19 9/16X PLENUM PKG	—	—

36 Inch

1	PKG	16074	68G36H 13 1/2X 19 9/16X PLENUM PKG	—	—
1	PKG	16075	74G36H 16 1/2X 19 9/16X PLENUM PKG	—	—
1	PKG	16076	80G36H 20 X 19 9/16X 36 PLENUM PKG	—	—
1	PKG	16077	88G36H 23 1/2 X 19 9/16X PLENUM PKG	—	—

48 Inch

1	PKG	16078	68G48H 13 1/2 X 19 9/16X PLENUM PKG	—	—
1	PKG	16079	74G48H 16 1/2 X 19 9/16X PLENUM PKG	—	—
1	PKG	16080	80G48H 20 X 19 9/16X 48 PLENUM PKG	—	—
1	PKG	16081	88G48H 23 1/2 X 19 9/16X PLENUM PKG	—	—

Return Air Packages



Packages Include

- (1) #20 starting collar
- (2) 30" Duct sections
- (1) Return air plenum with 1" filter rack (except 811EC1-5)
- (6) 10" Drive Straps

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	11300	812 20X14 RA DROP	—
1	PKG	11301	810 20X16 RA DROP	—
1	PKG	11302	813 25X14 RA DROP	—
1	PKG	11303	811 25X16 RA DROP	—
1	EA	11307	811EC1-5 25X10 - 25X16 MULTI FILT RA DROP W/EXT COLLR	—

Furnace Boxes
with Filter Drawer



For Filter Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
14 x 25	1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX	—
16 x 25	1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX	—
20 x 25	1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX	—
20 x 25	1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX	—

Return Air Filter Elbows
Cold Air Boot



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	11685	816B 20X8 TO 20X14 RETURN AIR FILTER ELBOW	—	—
1	EA	11688	810B 20X10 TO 20X16 RETURN AIR FILTER ELBOW	—	—
1	EA	11686	817B 24X8 TO 24X14 RETURN AIR FILTER ELBOW	—	—
1	EA	11689	812B 25X10 TO 25X14 RETURN AIR FILTER ELBOW	—	—

48 Panning Material
For Return Air Applications

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	LTH	10569	481735 17X36 JOIST SEAL	—	—
10	LTH	10573	483235 33X36 JOIST SEAL	—	—

ThermoPan Return Air Panning
Class 1 Fire Rating



Fire-resistant ThermoPan is a high-quality alternative to sheet metal to be used when constructing return air ducts between joists and stud cavities. This product consists of corrugated insulation faced with aluminum. ThermoPan significantly reduces duct noises and labor. It staples easily and quickly to floor joists and stud cavities, saving on labor costs and providing a high-quality, professional finish.

- Made from recycled products and produced in the USA and Canada.
- Reduces heat loss due to conduction, convection, and radiation.
- Installation is quick, safe, and easy.
- No shop fabrication required.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	54701	16048 16IN X 48IN RAP RETURN AIR PANNING	—	—
25	EA	54703	19048 19.5 X 48IN RAP RETURN AIR PANNING	—	—
25	EA	54699	32039 32IN X 40IN DOUBLE RAP RETRN AIR PANNING	—	—
50	BAG	54700	41118 1 1/2IN SNAP CLAMPS 10/BAG	—	—

Cold Rolled Copper Sheets

Prices of Copper Sheets are a Guideline Only
Prices are Subject to Change

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	22376	16OZ 36X96 COPPER SHEET	—	—

Galvanized Flat Sheets

All USA made steel meets ASTM A525 gauge requirements. Full carton is equal to 2500 lbs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-19	PC-2 20	PC-3 F/CTN
111	EA	23642	G40 .023 MIN 36X96 24GA GALV SHEET GRADE CSB CDT	—	—	—
83	EA	23644	G40 .023 MIN 48X96 24GA GALV SHEET GRADE CSB CDT	—	—	—
135	EA	23652	G40 .019 MIN 36X96 26GA GALV SHEET GRADE CSB CDT	—	—	—
101	EA	23655	G40 .019 MIN 48X96 26GA GALV SHEET GRADE CSB CDT	—	—	—
163	EA	23665	G40 .016 MIN 36X96 28GA GALV SHEET GRADE CSB CDT	—	—	—
122	EA	23666	G40 .016 MIN 48X96 28GA GALV SHEET GRADE CSB CDT	—	—	—

63 Takeoffs



63



63A



62



EP

63 Side Takeoffs

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	12210	637 6X9X7 TAKEOFF	—	—
1	EA	12211	638 6X10X8 TAKEOFF	—	—

63A Adjustable Takeoff

12	EA	12236	63A6 6X7X6 TAKEOFF	—	—
12	EA	12239	63A7 6X9X7 TAKEOFF	—	—
12	EA	12241	63A8 6X10X8 TAKEOFF	—	—

62 Top Takeoff

12	EA	12255	626 6X7X6 TAKEOFF	—	—
12	EA	12257	627 7X8X7 TAKEOFF	—	—
12	EA	12260	628 7X9X8 TAKEOFF	—	—

EP15 Takeoffs, Full 3/4" Tabs

12	EA	12297	EP1565 5IN TAKEOFF	—	—
12	EA	12298	EP1576 6IN TAKEOFF	—	—
12	EA	12299	EP1587 7IN TAKEOFF	—	—
12	EA	12300	EP1598 8IN TAKEOFF	—	—

Sheet Metal Collars


1050


1051


1150


1149

1050 Round Collars, Plain

12	EA	11640	10503 3IN PLAIN COLLAR	—	—
12	EA	11641	10504 4IN PLAIN COLLAR	—	—
12	EA	11642	10505 5IN PLAIN COLLAR	—	—
50	EA	11643	10506 6IN PLAIN COLLAR	—	—
50	EA	11644	10507 7IN PLAIN COLLAR	—	—
25	EA	11645	10508 8IN PLAIN COLLAR	—	—
12	EA	11646	10509 9IN PLAIN COLLAR	—	—
12	EA	11647	105010 10IN PLAIN COLLAR	—	—
12	EA	11648	105012 12IN PLAIN COLLAR	—	—
12	EA	11649	105014 14IN PLAIN COLLAR	—	—
12	EA	11650	105016 16IN PLAIN COLLAR	—	—
12	EA	11651	105018 18 IN PLAIN COLLAR	—	—

1051 Round Collars, Crimped

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11611	10514 4IN CRIMPED COLLAR	—	—
12	EA	11612	10515 5IN CRIMPED COLLAR	—	—
50	EA	11613	10516 6IN CRIMPED COLLAR	—	—
50	EA	11614	10517 7IN CRIMPED COLLAR	—	—
25	EA	11615	10518 8IN CRIMPED COLLAR	—	—
12	EA	11616	10519 9IN CRIMPED COLLAR	—	—
12	EA	11617	105110 10IN CRIMPED COLLAR	—	—
12	EA	11618	105112 12IN CRIMPED COLLAR	—	—
12	EA	11619	105114 14IN CRIMPED COLLAR	—	—
12	EA	11620	105116 16IN CRIMPED COLLAR	—	—
12	EA	11621	105118 18 IN CRIMPED COLLAR	—	—

1150 Starting Collar, Long

12	EA	16601	11504 4IN START COLLAR	—	—
12	EA	16602	11505 5IN START COLLAR	—	—
25	EA	16603	11506 6IN START COLLAR	—	—
25	EA	16604	11507 7IN START COLLAR	—	—
25	EA	16605	11508 8IN START COLLAR	—	—
12	EA	16606	11509 9IN START COLLAR	—	—
12	EA	16607	115010 10IN START COLLAR	—	—
12	EA	16608	115012 12IN START COLLAR	—	—
12	EA	16609	115014 14IN START COLLAR	—	—
6	EA	16610	115016 16IN START COLLAR	—	—
6	EA	16611	115018 18IN START COLLAR	—	—

1149 Starting Collar, Long with Damper

12	EA	16615	11495 5IN START COLLAR W/DAMPER	—	—
12	EA	16616	11496 6IN START COLLAR W/DAMPER	—	—
12	EA	16617	11497 7IN START COLLAR W/DAMPER	—	—
12	EA	16618	11498 8IN START COLLAR W/DAMPER	—	—
12	EA	16619	11499 9IN START COLLAR W/DAMPER	—	—
12	EA	16620	114910 10IN START COLLAR W/DAMPER	—	—
12	EA	16621	114912 12IN START COLLAR W/DAMPER	—	—
6	EA	16622	114914 14IN START COLLAR W/DAMPER	—	—
6	EA	16623	114916 16IN START COLLAR W/DAMPER	—	—
6	EA	16624	114918 18IN START COLLAR W/DAMPER	—	—
1	EA	16625	114920 20IN START COLLAR W/DAMPER	—	—

Sheet Metal Spin Collars


156


156D


156SD

156 Spin-in Collars

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	21220	1566 6IN SPIN IN COLLAR	—	—
12	EA	21222	1568 8IN SPIN IN COLLAR	—	—
12	EA	21224	15610 10IN SPIN IN COLLAR	—	—
12	EA	21225	15612 12IN SPIN IN COLLAR	—	—

156D Spin-in Collars with Damper

12	EA	21236	156D6 6IN SPIN IN COLLAR W/DAMPER	—	—
12	EA	21238	156D8 8IN SPIN IN COLLAR W/DAMPER	—	—
12	EA	21240	156D10 10IN SPIN IN COLLAR W/DAMPER	—	—
12	EA	21241	156D12 12IN SPIN IN COLLAR W/DAMPER	—	—
6	EA	21242	156D14 14IN SPIN IN COLLAR W/DAMPER	—	—

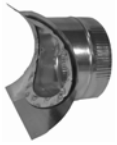
156SD Spin-in Collars with Scoop and Damper

12	EA	21205	156SD6 6IN SPIN IN W/SCOOP AND DAMPER	—	—
12	EA	21207	156SD8 8IN SPIN IN W/SCOOP AND DAMPER	—	—
12	EA	21209	156SD10 10IN SPIN IN W/SCOOP AND DAMPER	—	—

Airtite Takeoffs


ATT


ATD


ATDRP


ATTRP

- Neoprene foam gasket (1-1/2" W x 1/8" thick) coated with hight-tack adhesive for peel-and-stick installation
- Gasket also includes (4) 1/8" pre-drilled holes for installation with sheet metal screws
- 1/2" overlap allows for riveting with 1/8" rivets.
- RL-2 rivet seam : +/– 4" w.g.

ATT Galvanized Takeoffs

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	13590	ATT4 4IN AIR TITE TAKEOFF	—	—
12	EA	13592	ATT6 6IN AIR TITE TAKEOFF	—	—
12	EA	13593	ATT7 7IN AIR TITE TAKEOFF	—	—
12	EA	13594	ATT8 8IN AIR TITE TAKEOFF	—	—
12	EA	13596	ATT10 10IN AIR TITE TAKEOFF	—	—
12	EA	13597	ATT12 12IN AIR TITE TAKEOFF	—	—
6	EA	13598	ATT14 14IN AIR TITE TAKEOFF	—	—
6	EA	13599	ATT16 16IN AIR TITE TAKEOFF	—	—
6	EA	13600	ATT18 18IN AIR TITE TAKEOFF	—	—

ATD Galvanized Takeoff with Damper

12	EA	13603	ATD6 6IN AIR TITE TAKEOFF W/DAMPER	—	—
12	EA	13605	ATD8 8IN AIR TITE TAKEOFF W/DAMPER	—	—
12	EA	13607	ATD10 10IN AIR TITE TAKEOFF W/DAMPER	—	—
12	EA	13608	ATD12 12IN AIR TITE TAKEOFF W/DAMPER	—	—

ATDRP Saddle Takeoff with Damper

12	EA	13621	ATDRP6 6X8 SADDLE AIR TITE TAKEOFF W/DAMP	—	—
12	EA	13623	ATDRP8 8X10 SADDLE AIR TITE TAKEOFF W/DAMP	—	—
12	EA	13625	ATDRP10 10X12 SADDLE AIR TITE TAKEOFF W/DAMP	—	—

ATTRP Saddle Takeoffs

12	EA	13612	ATTRP6 6X8 SADDLE AIR TITE TAKEOFF	—	—
12	EA	13613	ATTRP7 7X8 SADDLE AIR TITE TAKEOFF	—	—
12	EA	13614	ATTRP8 8X10 SADDLE AIR TITE TAKEOFF	—	—
12	EA	13616	ATTRP10 10X12 SADDLE AIR TITE TAKEOFF	—	—

Duct Board Collars and Takeoffs


84ST


84STWD


98WD


63AFG


2015

84ST Ductboard Collars

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	11904	84ST4 4IN DUCT COLLAR W/RING	—	—
25	EA	11905	84ST5 5IN DUCT COLLAR W/RING	—	—
25	EA	11906	84ST6 6 IN DUCT COLLAR W/RING	—	—
25	EA	11907	84ST7 7IN DUCT COLLAR W/RING	—	—
25	EA	11908	84ST8 8IN DUCT COLLAR W/RING	—	—
12	EA	11909	84ST9 9IN DUCT COLLAR W/RING	—	—
12	EA	11910	84ST10 10IN DUCT COLLAR W/RING	—	—
12	EA	11911	84ST12 12IN DUCT COLLAR W/RING	—	—
6	EA	11912	84ST14 14IN DUCT COLLAR W/RING	—	—
6	EA	11913	84ST16 16IN DUCT COLLAR W/RING	—	—
6	EA	11914	84ST18 18IN DUCT COLLAR W/RING	—	—

84STWD Ductboard Collars with Damper

12	EA	11716	84STWD6 6IN DUCT COLLAR & DAMPER	—	—
12	EA	11717	84STWD7 7IN DUCT COLLAR & DAMPER	—	—
12	EA	11718	84STWD8 8IN DUCT COLLAR & DAMPER	—	—
12	EA	11720	84STWD10 10IN DUCT COLLAR & DAMPER	—	—
12	EA	11721	84STWD12 12IN DUCT COLLAR & DAMPER	—	—

98WD Ductboard Spin Collars with Damper and Scoop

12	EA	11724	98WD6 6IN DUCT COLLAR DAMPER & SCOOP	—	—
12	EA	11725	98WD7 7IN DUCT COLLAR DAMPER & SCOOP	—	—
12	EA	11726	98WD8 8IN DUCT COLLAR DAMPER & SCOOP	—	—
12	EA	11728	98WD10 10IN DUCT COLLAR DAMPER & SCOOP	—	—

63AFG Ductboard Takeoffs, Adjustable

12	EA	12243	63AFG6 6X10X6 GLASS DUCT TAKEOFF	—	—
12	EA	12244	63AFG7 6X9X7 GLASS DUCT TAKEOFF	—	—
12	EA	12245	63AFG8 7X10X8 GLASS DUCT TAKEOFF	—	—

2015 Ductboard Elbow, Round Elbow

12	EA	12283	20154 4IN GLV DUCTBOARD TOP TAKEOFF	—	—
12	EA	12285	20155 5IN GLV DUCTBOARD TOP TAKEOFF	—	—
12	EA	12292	20156 6IN GLV DUCTBOARD TOP TAKEOFF	—	—
12	EA	12294	20157 7IN GLV DUCTBOARD TOP TAKEOFF	—	—
12	EA	12288	20158 8IN GLV DUCTBOARD TOP TAKEOFF	—	—

Ductboard Spin Collars

Insulated


97FG


98


98WD

97FG Ductboard Spin Collars

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	21274	97FG6 6IN INSULATED ZIP IN TAKEOFF	—	—
12	EA	21275	97FG7 7IN INSULATED ZIP IN TAKEOFF	—	—
12	EA	21276	97FG8 8IN INSULATED ZIP IN TAKEOFF	—	—

98 Ductboard Spin Collars with Scoop

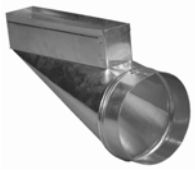
12	EA	21300	988 8IN INSULATED ZIP IN TAKEOFF W/SCO	—	—
12	EA	21302	9810 10IN INSULATED ZIP IN TAKEOFF W/SCO	—	—

98WD Ductboard Spin Collar with Scoop and Damper

12	EA	21312	98WD8 8IN INSULATED ZIP IN TAKEOFF W/SCO	—	—

Register Boots


24R


28R


28RL


28RR


27R


PH5


59P

24R Register Boots, 90°

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	12709	24R2104 2 1/4X10X4 ELBOW BOOT	—	—
12	EA	12710	24R2105 2 1/4X10X5 ELBOW BOOT	—	—
12	EA	12711	24R2106 2 1/4X10X6 ELBOW BOOT	—	—
12	EA	12717	24R2125 2 1/4X12X5 ELBOW BOOT	—	—
12	EA	12719	24R2126 2 1/4X12X6 ELBOW BOOT	—	—
12	EA	12720	24R2127 2 1/4X12X7 ELBOW BOOT	—	—
12	EA	12727	24R2146 2 1/4X14X6 ELBOW BOOT	—	—
12	EA	12729	24R2147 2 1/4X14X7 ELBOW BOOT	—	—
12	EA	12735	24R4104 4X10X4 ELBOW BOOT	—	—
12	EA	12736	24R4105 4X10X5 ELBOW BOOT	—	—
12	EA	12738	24R4106 4X10X6 ELBOW BOOT	—	—
12	EA	12740	24R4107 4X10X7 ELBOW BOOT	—	—
12	EA	12746	24R4126 4X12X6 ELBOW BOOT	—	—
12	EA	12748	24R4127 4X12X7 ELBOW BOOT	—	—
12	EA	12750	24R4128 4X12X8 ELBOW BOOT	—	—
12	EA	12756	24R4146 4X14X6 ELBOW BOOT	—	—
12	EA	12758	24R4147 4X14X7 ELBOW BOOT	—	—
12	EA	12759	24R4148 4X14X8 ELBOW BOOT	—	—
12	EA	12767	24R6106 6X10X6 ELBOW BOOT	—	—
12	EA	12766	24R6108 6X10X8 ELBOW BOOT	—	—
12	EA	12769	24R6126 6X12X6 ELBOW BOOT	—	—
12	EA	12770	24R6127 6X12X7 ELBOW BOOT	—	—
12	EA	12768	24R6107 6X10X7 ELBOW BOOT	—	—
12	EA	12771	24R6128 6X12X8 ELBOW BOOT	—	—
12	EA	12773	24R6146 6X14X6 ELBOW BOOT	—	—
12	EA	12774	24R6147 6X14X7 ELBOW BOOT	—	—
12	EA	12775	24R6148 6X14X8 ELBOW BOOT	—	—

26R Register Boot, 45°

1	EA	13060	26R2126 2 1/4X12X6 BOOT	—	—

27R Register Boots, Straight

12	EA	12961	27R2106 2 1/4X10X6 STRAIGHT BOOT	—	—
12	EA	12967	27R2125 2 1/4X12X5 STRAIGHT BOOT	—	—
12	EA	12968	27R2126 2 1/4X12X6 STRAIGHT BOOT	—	—
12	EA	12969	27R2127 2 1/4X12X7 STRAIGHT BOOT	—	—
12	EA	12977	27R2146 2 1/4X14X6 STRAIGHT BOOT	—	—
12	EA	12985	27R4104 4X10X4 STRAIGHT BOOT	—	—
12	EA	12986	27R4105 4X10X5 STRAIGHT BOOT	—	—
12	EA	12987	27R4106 4X10X6 STRAIGHT BOOT	—	—
12	EA	12988	27R4107 4X10X7 STRAIGHT BOOT	—	—
12	EA	12996	27R4126 4X12X6 STRAIGHT BOOT	—	—
12	EA	12998	27R4127 4X12X7 STRAIGHT BOOT	—	—
12	EA	12999	27R4128 4X12X8 STRAIGHT BOOT	—	—
12	EA	13006	27R4146 4X14X6 STRAIGHT BOOT	—	—
12	EA	13008	27R4147 4X14X7 STRAIGHT BOOT	—	—
12	EA	13009	27R4148 4X14X8 STRAIGHT BOOT	—	—

Continued On the Following Page

27R Register Boots, Straight (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	13012	27R6106 6X10X6 STRAIGHT BOOT	—	—
12	EA	13003	27R6107 6X10X7 STRAIGHT BOOT	—	—
12	EA	12991	27R6108 6X10X8 STRAIGHT BOOT	—	—
12	EA	13015	27R6126 6X12X6 STRAIGHT BOOT	—	—
12	EA	13016	27R6127 6X12X7 STRAIGHT BOOT	—	—
12	EA	13004	27R6128 6X12X8 STRAIGHT BOOT	—	—
12	EA	13017	27R6146 6X14X6 STRAIGHT BOOT	—	—
12	EA	13005	27R6147 6X14X7 STRAIGHT BOOT	—	—
12	EA	13018	27R6148 6X14X8 STRAIGHT BOOT	—	—
12	EA	13023	27R8147 8X14X7 STRAIGHT BOOT	—	—
12	EA	13002	27R8148 8X14X8 STRAIGHT BOOT	—	—

28R End Boots, Center

12	EA	12839	28R2104 2 1/4X10X4 END BOOT	—	—
12	EA	12841	28R2106 2 1/4X10X6 END BOOT	—	—
12	EA	12846	28R2125 2 1/4X12X5 END BOOT	—	—
12	EA	12847	28R2126 2 1/4X12X6 END BOOT	—	—
12	EA	12848	28R2127 2 1/4X12X7 END BOOT	—	—
12	EA	12857	28R2146 2 1/4X14X6 END BOOT	—	—
12	EA	12865	28R4104 4X10X4 END BOOT	—	—
12	EA	12866	28R4105 4X10X5 END BOOT	—	—
12	EA	12867	28R4106 4X10X6 END BOOT	—	—
12	EA	12870	28R4107 4X10X7 END BOOT	—	—
12	EA	12876	28R4126 4X12X6 END BOOT	—	—
12	EA	12878	28R4127 4X12X7 END BOOT	—	—
12	EA	12879	28R4128 4X12X8 END BOOT	—	—
12	EA	12886	28R4146 4X14X6 END BOOT	—	—
12	EA	12890	28R4148 4X14X8 END BOOT	—	—
12	EA	12893	28R6106 6X10X6 END BOOT	—	—
12	EA	12895	28R6127 6X12X7 END BOOT	—	—
12	EA	12896	28R6148 6X14X8 END BOOT	—	—

28RL End Boots, Left

12	EA	12788	28RL2126 2 1/4X12X6 END BOOT	—	—
12	EA	12807	28RL4106 4X10X6 END BOOT	—	—

28RR End Boots, Right

12	EA	12902	28RR2106 2 1/4X10X6 END BOOT	—	—
12	EA	12908	28RR2126 2 1/4X12X6 END BOOT	—	—
12	EA	12927	28RR4106 4X10X6 END BOOT	—	—

PH5 Basement Boots, 90°

12	EA	13037	PH56105 6X10X5 BOOT	—	—
12	EA	13038	PH56106 6X10X6 BOOT	—	—
12	EA	13040	PH56126 6X12X6 BOOT	—	—

31 PF Plaster Frames (Boot Rails)

1	EA	13052	31PF16410 4X10 BOOT RAIL F/16IN STUD SPACE	—	—
50	EA	13053	31PF410 4X10 BOOT RAIL F/24IN STUD SPACE	—	—
1	EA	13048	31PF16412 4X12 BOOT RAIL F/16IN STUD SPACE	—	—
50	EA	13049	31PF412 4X12 BOOT RAIL F/24IN STUD SPACE	—	—
50	EA	13120	31PF414 4X14 BOOT RAIL F/24IN STUD SPACE	—	—
50	EA	13055	31PF610 6X10 BOOT RAIL F/24IN STUD SPACE	—	—
50	EA	13121	31PF614 6X14 BOOT RAIL F/24IN STUD SPACE	—	—

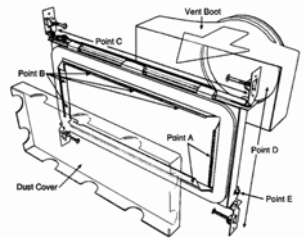
51P Ceiling Box with Plate

12	EA	16729	51P4105 4X10X5 STRAIGHT 24IN CENTER QUICK BOO	—	—
12	EA	16730	51P164106 4X10X6 STRAIGHT 16IN CENTER QUICK BOO	—	—
12	EA	16731	51P4106 4X10X6 STRAIGHT 24IN CENTER QUICK BOO	—	—
12	EA	16734	51P164126 4X12X6 STRAIGHT 16IN CENTER QUICK BOO	—	—
12	EA	16736	51P164127 4X12X7 STRAIGHT 16IN CENTER QUICK BOO	—	—
12	EA	16738	51P166106 6X10X6 STRAIGHT 16IN CENTER QUICK BOO	—	—
12	EA	16739	51P6106 6X10X6 STRAIGHT 24IN CENTER QUICK BOO	—	—

59P Ceiling Box with Plate, 90°

12	EA	16700	59P164106 4X10X6 90DEG 16IN CENTER QUICK BOOT	—	—
12	EA	16701	59P4106 4X10X6 90DEG 24IN CENTER QUICK BOOT	—	—
12	EA	16704	59P164126 4X12X6 90DEG 16IN CENTER QUICK BOOT	—	—
12	EA	16709	59P6106 6X10X6 90DEG 24IN CENTER QUICK BOOT	—	—

Adjustable Boot Hangers



Designed by HVAC experts, Speedi-Boot™ Boot Hanger is easy to install in 2 minutes or less. The Speedi-Boot™ Boot Hanger installs from the ceiling, on the wall or in the floor in less time than it takes to make your own boot blocking.

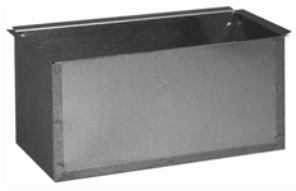
The Speedi-Boot's heavy-duty galvanized metal frame, complete with an air-tight foam gasket and construction debris cover, eliminates boot deformation, fastens securely to improve energy efficiency and improve air quality, while giving it a one-hour fire rating, and prohibiting unwanted construction materials from entering the duct.

Speedi-Boot™ Boot Hanger can handle with ease most any boot application you can think of: remodel, residential or commercial. Its drywall mud-ring helps seal your installation and add a finished touch that homebuyers demand.

Telescoping arm extension capability allows for both 16" and 24" Joist/Truss span application. Precise installation in either parallel, transverse, horizontal or vertical positions. Reduced risk of injury from custom wood and metal framing.
Material Thickness: 23 Gauge

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	14040	SBH-410 4X10 SPEEDI BOOT HANGER	—	—
12	EA	14041	SBH-412 4X12 SPEEDI BOOT HANGER	—	—
12	EA	14042	SBH-414 4X14 SPEEDI BOOT HANGER	—	—
12	EA	14043	SBH-610 6X10 SPEEDI BOOT HANGER	—	—
12	EA	14044	SBH-612 6X12 SPEEDI BOOT HANGER	—	—
12	EA	14045	SBH-614 6X14 SPEEDI BOOT HANGER	—	—

Floor Register Boxes



90



91

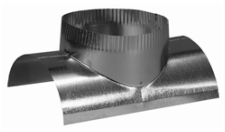
90 Floor Register Boxes, 6" Deep

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	11776	90612 6X12 FLOOR BOX	—	—
1	EA	11778	90810 8X10 FLOOR BOX	—	—
1	EA	11779	90812 8X12 FLOOR BOX	—	—
1	EA	11782	901012 10X12 FLOOR BOX	—	—
1	EA	11783	901214 12X14 FLOOR BOX	—	—

91 Floor Register Boxes, 12" Deep

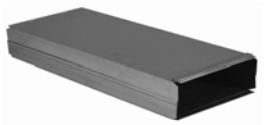
1	EA	11795	91410 4X10 FLOOR BOX	—	—
1	EA	11802	91610 6X10 FLOOR BOX	—	—
1	EA	11803	91612 6X12 FLOOR BOX	—	—
1	EA	11804	91614 6X14 FLOOR BOX	—	—
1	EA	11805	91810 8X10 FLOOR BOX	—	—
1	EA	11806	91812 8X12 FLOOR BOX	—	—
1	EA	11807	91912 9X12 FLOOR BOX	—	—
1	EA	11808	911012 10X12 FLOOR BOX	—	—
1	EA	11809	911214 12X14 FLOOR BOX	—	—

207 Vent Saddles, 90°



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	16278	2074 4IN STUB SADDLE	—	—
12	EA	16279	2075 5IN STUB SADDLE	—	—
12	EA	16280	2076 6IN STUB SADDLE	—	—
12	EA	16281	2077 7IN STUB SADDLE	—	—
12	EA	16282	2078 8IN STUB SADDLE	—	—
1	EA	16283	20710 10IN STUB SADDLE	—	—

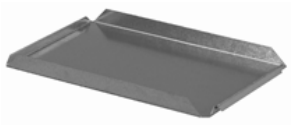
WSJ Wall Stack



- 2 pieces per section
- Fumished in button snaplock
- No tools or indentations—just snap to close

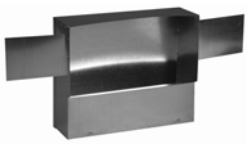
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	10589	WSJ24210 2 1/4X10 WALL STK	—	—
10	EA	10590	WSJ24212 2 1/4X12 WALL STK	—	—
5	EA	10591	WSJ24214 2 1/4X14 WALL STK	—	—
10	EA	10592	WSJ24310 3 1/4X10 WALL STK	—	—
10	EA	10593	WSJ24312 3 1/4X12 WALL STK	—	—
5	EA	10594	WSJ24314 3 1/4X14 WALL STK	—	—
10	EA	10599	WSJ60210 2 1/4X10 WALL STK	—	—
10	EA	10602	WSJ60310 3 1/4X10 WALL STK	—	—
10	EA	10603	WSJ60312 3 1/4X12 WALL STK	—	—
10	EA	10604	WSJ60314 3 1/4X14 WALL STK	—	—
5	EA	10615	WSJ100210 2 1/4X10 WALL STK	—	—
5	EA	10616	WSJ100212 2 1/4X12 WALL STK	—	—
5	EA	10618	WSJ100310 3 1/4X10 WALL STK	—	—
5	EA	10619	WSJ100312 3 1/4X12 WALL STK	—	—
5	EA	10620	WSJ100314 3 1/4X14 WALL STK	—	—

WS21 Wall Stack End Caps

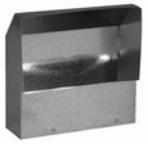


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	12094	WS21210 2 1/4X10 END CAP	—	—
1	EA	12099	WS21212 2 1/4X12 END CAP	—	—
1	EA	12101	WS21310 3 1/4X10 END CAP	—	—
1	EA	12102	WS21312 3 1/4X12 END CAP	—	—
1	EA	12103	WS21314 3 1/4X14 END CAP	—	—

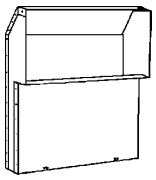
WS10 Wall Stackhead



WS10WE



WS10



WS10LT

WS10WE Stackhead with Ears

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	12386	WS10WE3106 3 1/4X10 10X6 STK HEAD	—	—
1	EA	12387	WS10WE3126 3 1/4X12 12X6 STK HEAD	—	—

WS10 Stackhead, 4" Extension

12	EA	12404	WS103106 3 1/4X10 10X6 STK HEAD	—	—
12	EA	12407	WS103126 3 1/4X12 12X6 STK HEAD	—	—
12	EA	12410	WS103146 3 1/4X14 14X6 STK HEAD	—	—

WS10LT Stackhead, 9" Extension

12	EA	12412	WS10LT2106 2 1/4X10 10X6 STK HEAD	—	—
12	EA	12413	WS10LT2126 2 1/4X12 12X6 STK HEAD	—	—
12	EA	12415	WS10LT3106 3 1/4X10 10X6 STK HEAD	—	—
12	EA	12416	WS10LT3126 3 1/4X12 12X6 STK HEAD	—	—
12	EA	12418	WS10LT3146 3 1/4X14 14X6 STK HEAD	—	—

WS Wall Stack Elbows



WS15



WS16



WS13



WS14

WS15 Vertival Stack (Shortway), 45° Angle

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	12447	WS15210 2 1/4X10 ANGLE	—	—
1	EA	12448	WS15212 2 1/4X12 ANGLE	—	—
1	EA	12452	WS15310 3 1/4X10 ANGLE	—	—
1	EA	12453	WS15312 3 1/4X12 ANGLE	—	—
1	EA	12454	WS15314 3 1/4X14 ANGLE	—	—

WS16 Vertical Stack (Shortway), 90° Elbow

1	EA	12457	WS16210 2 1/4X10 ELBOW	—	—
12	EA	12458	WS16212 2 1/4X12 ELBOW	—	—
12	EA	12462	WS16310 3 1/4X10 ELBOW	—	—
1	EA	12463	WS16312 3 1/4X12 ELBOW	—	—
1	EA	12464	WS16314 3 1/4X14 ELBOW	—	—

WS13 Flat Stack (Broadway), 45° Angle

1	EA	12473	WS13310 3 1/4X10 ELBOW	—	—
1	EA	12474	WS13312 3 1/4X12 ELBOW	—	—

WS14 Flat Stack(Broadway), 90° Elbow

1	EA	12478	WS14212 2 1/4X12 ELBOW	—	—
1	EA	12484	WS14310 3 1/4X10 ELBOW	—	—
1	EA	12485	WS14312 3 1/4X12 ELBOW	—	—
1	EA	12486	WS14314 3 1/4X14 ELBOW	—	—

Wall Stack Boots



24



27



28

24 Boots, 90°

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	12560	243106 3 1/4X10X6 ELBOW BOOT	—	—
12	EA	12561	243126 3 1/4X12X6 ELBOW BOOT	—	—
12	EA	12565	243107 3 1/4X10X7 ELBOW BOOT	—	—
12	EA	12571	243127 3 1/4X12X7 ELBOW BOOT	—	—
12	EA	12572	243128 3 1/4X12X8 ELBOW BOOT	—	—
12	EA	12577	243148 3 1/4X14X8 ELBOW BOOT	—	—

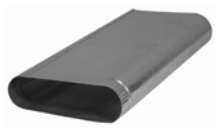
27 Boots, Straight

12	EA	12509	273104 3 1/4X10X4 STRAIGHT BOOT	—	—
12	EA	12510	273105 3 1/4X10X5 STRAIGHT BOOT	—	—
12	EA	12511	273106 3 1/4X10X6 STRAIGHT BOOT	—	—
12	EA	12512	273107 3 1/4X10X7 STRAIGHT BOOT	—	—
12	EA	12516	273126 3 1/4X12X6 STRAIGHT BOOT	—	—
12	EA	12517	273127 3 1/4X12X7 STRAIGHT BOOT	—	—
12	EA	12522	273148 3 1/4X14X8 STRAIGHT BOOT	—	—
12	EA	12524	273128 3 1/4X12X8 STRAIGHT BOOT	—	—

28 Boots, End

12	EA	12534	283106 3 1/4X10X6 END BOOT	—	—
12	EA	12535	283107 3 1/4X10X7 END BOOT	—	—
12	EA	12539	283126 3 1/4X12X6 END BOOT	—	—
12	EA	12540	283127 3 1/4X12X7 END BOOT	—	—
12	EA	12544	283128 3 1/4X12X8 END BOOT	—	—
12	EA	12548	283148 3 1/4X14X8 END BOOT	—	—

Oval Pipe and Fittings



160/100/OVP



110



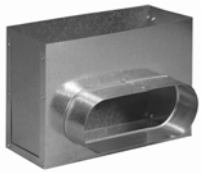
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106



128



355



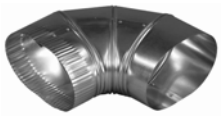
124



127



116



114



115



113

Branch Duct (inches)	Area Sq. In.
5 Round	19.6
6 Round	28.3
7 Round	38.5
5 Oval (6 L x 3-1/4 W)	17.2
7 Oval (9-1/8 L x 3-1/4 W)	27.3
3-1/2 x 8 Stack	26.0
3-1/4 x 10 Stack	32.5
3-1/4 x 12 Stack	39.0

Southwark No.	Acme No.	L & B	Excelsior
100	78	Button Snap Warm-air Oval	0100
110	95	Oval Std. Head Style B	090A
106	107		61A
128	103		
127	102		61A
116	350	Vert. Oval Elbow	18
114	94	Oval Flat Elbow	29
115	357	Vert. Oval Angle	21
113	98		24

6 Inch Oval Pipe and Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	13201	1606 6 IN OVAL OVAL PIPE	—	—
6	EA	13207	1006 6 IN OVAL OVAL PIPE	—	—
6	EA	13210	OVP1136 6 IN OVAL PIPE	—	—
12	EA	13215	1101046 4X10X6 STK HEAD WITH EARS	—	—
12	EA	13216	1101066 6X10X6 STK HEAD WITH EARS	—	—
12	EA	13218	1101266 6X12X6 STK HEAD WITH EARS	—	—
12	EA	13193	1501066 6X10X6 DBL OVAL STACK	—	—
12	EA	13194	1501266 6X12X6 DBL OVAL STACK	—	—
12	EA	13249	1066 6 RD X 6 OVAL RD TO OVAL END BOOT	—	—
12	EA	13259	1286NC 6 OVAL X 6 OVAL END BOOT	—	—
12	EA	13254	3554106 4X10X6 90DEG REGISTER BOX	—	—
12	EA	13229	1246NC 6 RD X 6 OV BOOT	—	—
12	EA	13306	1276NC 6 RD X 6 OVAL STRAIGHT BOOT	—	—
12	EA	13341	1166 6IN 90 DEG VERT ELBOW	—	—
12	EA	13346	1146 6IN OVAL 90DEG FLAT ELBOW	—	—
12	EA	13351	1156 6IN 45DEG VERT ANGLE	—	—
12	EA	13356	1136 6 OVAL 45DEG FLAT ANGLE	—	—

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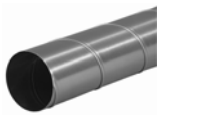
7 Inch Oval Pipe and Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	13202	1607 7 IN OVAL OVAL PIPE	—	—
6	EA	13208	1007 7 IN OVAL OVAL PIPE	—	—
6	EA	13211	OVP1137 7 IN OVAL PIPE	—	—
12	EA	13220	1101067 6X10X7 STK HEAD WITH EARS	—	—
12	EA	13222	1101267 6X12X7 STK HEAD WITH EARS	—	—
12	EA	13195	1501267 6X12X7 DBL OVAL STACK	—	—
12	EA	13253	1067 7 RD X 7 OVAL RD TO OVAL END BOOT	—	—
12	EA	13232	12476 6RD X7 OV BOOT	—	—
12	EA	13233	1247NC 7 RD X 7 OV BOOT	—	—
12	EA	13311	1277 7 OVAL X 7 RD STRAIGHT BOOT	—	—
12	EA	13342	1167 7IN 90 DEG VERT ELBOW	—	—
12	EA	13347	1147 7IN OVAL 90DEG FLAT ELBOW	—	—
12	EA	13352	1157 7IN 45DEG VERT ANGLE	—	—
12	EA	13357	1137 7IN 45 DEG 45DEG FLAT ANGLE	—	—

8 Inch Oval Pipe and Fittings

6	EA	13209	1008 8IN OVAL PIPE	—	—
12	EA	13223	1101268 6X12X8 STK HEAD WITH EARS	—	—
12	EA	13224	1101468 6X14X8 STK HEAD WITH EARS	—	—
12	EA	13244	1068 8X8 RD TO OVAL END BOOT	—	—
12	EA	13234	1248NC 8 RD X 8 OV BOOT	—	—
12	EA	13314	1278NC 8X8 STRAIGHT BOOT	—	—
12	EA	13358	1138 8IN 45DEG FLAT ANGLE	—	—
12	EA	13348	1148 8IN 90DEG FLAT ELBOW	—	—
12	EA	13353	1158 8IN 45DEG VERT ANGLE	—	—
12	EA	13343	1168 8IN 90 DEG VERT ELBOW	—	—

Galvanized Spiral Pipe and Fittings


SP10


SPCON


SP90


SP45


SP70


SP54

- 26 GA. and 24 GA. galvanized steel
- Low pressure fittings (+/– 4" w.g. pressure rating)
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size

SP10 Spiral Pipe, 10 Ft.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	17084	SP10626 6IN 10FT SPIRAL PIPE	—
1	EA	17086	SP10826 8IN 10FT SPIRAL PIPE	—
1	EA	17088	SP101026 10IN 10FT SPIRAL PIPE	—
1	EA	17089	SP101226 12IN 10FT SPIRAL PIPE	—
1	EA	17090	SP101426 14IN 10FT SPIRAL PIPE	—
1	EA	17070	SP101624 16IN 10FT SPIRAL PIPE	—
1	EA	17071	SP101824 18IN 10FT SPIRAL PIPE	—

SPCON Spiral Pipe Connectors

1	EA	13503	SPCON626 6IN SPIRAL PIPE CONN	—
1	EA	13505	SPCON826 8IN SPIRAL PIPE CONN	—
1	EA	13507	SPCON1026 10IN SPIRAL PIPE CONN	—
1	EA	13508	SPCON1226 12IN SPIRAL PIPE CONN	—
1	EA	13509	SPCON1424 14IN SPIRAL PIPE CONN	—
1	EA	13510	SPCON1624 16IN SPIRAL PIPE CONN	—
1	EA	13511	SPCON1824 18IN SPIRAL PIPE CONN	—

Continued on the Following Page

Continued from the Previous Page

SP90 Spiral Elbows, 90

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	13403	SP90626 6IN SPIRAL ELBOW	—
1	EA	13405	SP90826 8IN SPIRAL ELBOW	—
1	EA	13407	SP901026 10IN SPIRAL ELBOW	—
4	EA	13408	SP901226 12IN SPIRAL ELBOW	—
1	EA	13409	SP901424 14IN SPIRAL ELBOW	—
1	EA	13410	SP901624 16IN SPIRAL ELBOW	—
1	EA	13411	SP901824 18IN SPIRAL ELBOW	—

SP45 Spiral Angles, 45°

1	EA	13524	SP45626 6IN SPIRAL ANGLE	—
1	EA	13526	SP45826 8IN SPIRAL ANGLE	—
1	EA	13528	SP451026 10IN SPIRAL ANGLE	—
1	EA	13529	SP451226 12IN SPIRAL ANGLE	—
1	EA	13530	SP451424 14IN SPIRAL ANGLE	—
1	EA	13531	SP451624 16IN SPIRAL ANGLE	—
1	EA	13532	SP451824 18IN SPIRAL ANGLE	—

SP70 Spiral Register Saddles

1	EA	13845	SP70412 4X12X8 SPIRAL REG SADDLE ON 8IN PIPE	—
1	EA	13846	SP70412 4X12X10 SPIRAL REG SADDLE ON 10IN PIPE	—
1	EA	13847	SP70412 4X12X12 SPIRAL REG SADDLE ON 12IN PIPE	—
1	EA	13848	SP70412 4X12X14 SPIRAL REG SADDLE ON 14IN PIPE	—
1	EA	13849	SP70412 4X12X16 SPIRAL REG SADDLE ON 16IN PIPE	—
1	EA	13850	SP70412 4X12X18 SPIRAL REG SADDLE ON 18IN PIPE	—

SP54 Joints

1	EA	13782	SP54666 6X6X6 SPIRAL TEE JOINT	—
1	EA	13784	SP54888 8X8X8 SPIRAL TEE JOINT	—
1	EA	13786	SP54101010 10X10X10 SPIRAL TEE JOINT	—
1	EA	13787	SP54121212 12X12X12 SPIRAL TEE JOINT	—
1	EA	13788	SP54141414 14X14X14 SPIRAL TEE JOINT	—
1	EA	13789	SP54161616 16X16X16 SPIRAL TEE JOINT	—

Galvanized Spiral Fittings



SP55



SP58

SP55 End Caps

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	13545	SP556 6IN SPIRAL CAP	—
1	EA	13547	SP558 8IN SPIRAL CAP	—
1	EA	13549	SP5510 10IN SPIRAL CAP	—
1	EA	13550	SP5512 12IN SPIRAL CAP	—
1	EA	13551	SP5514 14IN SPIRAL CAP	—
1	EA	13552	SP5516 16IN SPIRAL CAP	—
1	EA	13553	SP5518 18IN SPIRAL CAP	—

SP58 Tapered Reducer

1	EA	13662	SP5886 8X6 SPIRAL TAPE REDUCER	—
1	EA	13669	SP58108 10X8 SPIRAL TAPE REDUCER	—
1	EA	13674	SP581210 12X10 SPIRAL TAPE REDUCER	—
1	EA	13677	SP581412 14X12 SPIRAL TAPE REDUCER	—
1	EA	13657	SP581614 16X14 SPIRAL TAPE REDUCER	—
1	EA	13680	SP581816 18X16 SPIRAL TAPE REDUCER	—

SP6 Spiral Shoe Taps, 90°

1	EA	13755	SP606 6IN SPIRAL SHOE TAP 6-10IN PIPE	—
1	EA	13756	SP606A 6IN SPIRAL SHOE TAP 12-16IN PIPE	—
1	EA	13757	SP608 8IN SPIRAL SHOE TAP 8-12IN PIPE	—
1	EA	13758	SP608A 8IN SPIRAL SHOE TAP 14-18IN PIPE	—
1	EA	13759	SP610 10IN SPIRAL SHOE TAP 10-14IN PIPE	—

R8 Gray Flex Duct

Bagged



Performance Properties

- Maximum velocity: 5000 FPM
- Maximum positive pressure: 10" W.C.
- Maximum negative pressure: 1/2" W.C.
- Operating temperature: 0° to +200° F
- Minimum bend radius equal to diameter
- Listed and labeled with Underwriters Lab
- Tested in accordance with U.L. 181 Class 1 standards for air ducts
- Meets NFPA 90A and 90B

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1 CTNS	PC-2 2-4 CTNS	PC-3 5 CTNS
1	BAG	48874	17802404 4IN X 25FT R8.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48875	17802405 5IN X 25FT R8.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48876	17802406 6IN X 25FT R8.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48877	17802407 7IN X 25FT R8.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48878	17802408 8IN X 25FT R8.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48879	17802409 9IN X 25FT R8.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48880	17802410 10IN X 25FT R8.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48881	17802412 12IN X 25FT R8.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48882	17802414 14IN X 25FT R8.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48883	17802416 16IN X 25FT R8.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48884	17802418 18IN X 25FT R8.0 GRAY BAGGED FLEX DUCT	—	—	—

R8 Silver Flex Duct

Bagged



Performance Properties

- Maximum velocity: 5000 FPM
- Maximum positive pressure: 10" W.C.
- Maximum negative pressure: 1/2" W.C.
- Operating temperature: 0° to +200° F
- Minimum bend radius equal to diameter
- Listed and labeled with Underwriters Lab
- Tested in accordance with U.L. 181 Class 1 standards for air ducts
- Meets NFPA 90A and 90B

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1 CTNS	PC-2 2-4 CTNS	PC-3 5 CTNS
1	BAG	48824	13102404 4IN X 25FT R8.0 SILVER BAGGED FLEX	—	—	—
1	BAG	48825	13102405 5IN X 25FT R8.0 SILVER BAGGED FLEX	—	—	—
1	BAG	48826	13102406 6IN X 25FT R8.0 SILVER BAGGED FLEX	—	—	—
1	BAG	48827	13102407 7IN X 25FT R8.0 SILVER BAGGED FLEX	—	—	—
1	BAG	48828	13102408 8IN X 25FT R8.0 SILVER BAGGED FLEX	—	—	—
1	BAG	48829	13102409 9IN X 25FT R8.0 SILVER BAGGED FLEX	—	—	—
1	BAG	48830	13102410 10IN X 25FT R8.0 SILVER BAGGED FLEX	—	—	—
1	BAG	48831	13102412 12IN X 25FT R8.0 SILVER BAGGED FLEX	—	—	—
1	BAG	48832	13102414 14IN X 25FT R8.0 SILVER BAGGED FLEX	—	—	—
1	BAG	48833	13102416 16IN X 25FT R8.0 SILVER BAGGED FLEX	—	—	—
1	BAG	48834	13102418 18IN X 25FT R8.0 SILVER BAGGED FLEX	—	—	—

R6 Gray Flex Duct

Bagged



Performance Properties

- Maximum velocity: 5000 FPM
- Maximum positive pressure: 10" W.C.
- Maximum negative pressure: 1/2" W.C.
- Operating temperature: 0° to +200° F
- Minimum bend radius equal to diameter
- Listed and labeled with Underwriters Lab
- Tested in accordance with U.L. 181 Class 1 standards for air ducts
- Meets NFPA 90A and 90B

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1 CTNS	PC-2 2-4 CTNS	PC-3 5 CTNS
1	BAG	48862	17602404 4IN X 25FT R6.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48863	17602405 5IN X 25FT R6.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48864	17602406 6IN X 25FT R6.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48865	17602407 7IN X 25FT R6.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48866	17602408 8IN X 25FT R6.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48867	17602409 9IN X 25FT R6.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48868	17602410 10IN X 25FT R6.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48869	17602412 12IN X 25FT R6.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48870	17602414 14IN X 25FT R6.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48871	17602416 16IN X 25FT R6.0 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48872	17602418 18IN X 25FT R6.0 GRAY BAGGED FLEX DUCT	—	—	—

R6 Silver Flex Duct

Bagged



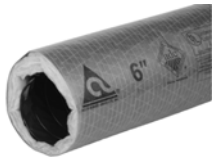
Performance Properties

- Maximum velocity: 5000 FPM
- Maximum positive pressure: 10" W.C.
- Maximum negative pressure: 1/2" W.C.
- Operating temperature: 0° to +200° F
- Minimum bend radius equal to diameter
- Listed and labeled with Underwriters Lab
- Tested in accordance with U.L. 181 Class 1 standards for air ducts
- Meets NFPA 90A and 90B

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1 CTNS	PC-2 2-4 CTNS	PC-3 5 CTNS
1	BAG	48812	13602404 4IN X 25FT R6.0 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48813	13602405 5IN X 25FT R6.0 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48814	13602406 6IN X 25FT R6.0 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48815	13602407 7IN X 25FT R6.0 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48816	13602408 8IN X 25FT R6.0 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48817	13602409 9IN X 25FT R6.0 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48818	13602410 10IN X 25FT R6.0 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48819	13602412 12IN X 25FT R6.0 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48820	13602414 14IN X 25FT R6.0 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48821	13602416 16IN X 25FT R6.0 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48822	13602418 18IN X 25FT R6.0 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48823	13602520 20IN X 25FT R6.0 SILVER BOXED FLEX DUCT	—	—	—

R4 Gray Flex Duct

Bagged



Performance Properties

- Maximum velocity: 4000 FPM
- Maximum positive pressure: 10" W.C.
- Maximum negative pressure: 1/2" W.C.
- Operating temperature: 0° to +200° F
- Minimum bend radius equal to diameter
- Listed and labeled with Underwriters Lab
- Tested in accordance with U.L. 181 Class 1 standards for air ducts
- Meets NFPA 90A and 90B

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1 CTNS	PC-2 2-4 CTNS	PC-3 5 CTNS
1	BAG	48850	17002404 4IN X 25FT R4.2 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48851	17002405 5IN X 25FT R4.2 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48852	17002406 6IN X 25FT R4.2 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48853	17002407 7IN X 25FT R4.2 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48854	17002408 8IN X 25FT R4.2 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48855	17002409 9IN X 25FT R4.2 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48856	17002410 10IN X 25FT R4.2 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48857	17002412 12IN X 25FT R4.2 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48858	17002414 14IN X 25FT R4.2 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48859	17002416 16IN X 25FT R4.2 GRAY BAGGED FLEX DUCT	—	—	—
1	BAG	48860	17002418 18IN X 25FT R4.2 GRAY BAGGED FLEX DUCT	—	—	—

R4 Silver Flex Duct

Bagged



Performance Properties

- Maximum velocity: 4000 FPM
- Maximum positive pressure: 10" W.C.
- Maximum negative pressure: 1/2" W.C.
- Operating temperature: 0° to +200° F
- Minimum bend radius equal to diameter
- Listed and labeled with Underwriters Lab
- Tested in accordance with U.L. 181 Class 1 standards for air ducts
- Meets NFPA 90A and 90B

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1 CTNS	PC-2 2-4 CTNS	PC-3 5 CTNS
1	BAG	48800	13002404 4IN X 25FT R4.2 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48801	13002405 5IN X 25FT R4.2 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48802	13002406 6IN X 25FT R4.2 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48803	13002407 7IN X 25FT R4.2 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48804	13002408 8IN X 25FT R4.2 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48805	13002409 9IN X 25FT R4.2 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48806	13002410 10IN X 25FT R4.2 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48807	13002412 12IN X 25FT R4.2 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48808	13002414 14IN X 25FT R4.2 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48809	13002416 16IN X 25FT R4.2 SILVER BAGGED FLEX DUCT	—	—	—
1	BAG	48810	13002418 18IN X 25FT R4.2 SILVER BAGGED FLEX DUCT	—	—	—

MF Flexible Aluminum Duct

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 1-4 CTNS	PC-3 5 CTNS
30	EA	44450	MF3 3IN-8FT TYPE A ALUM FLEX DUCT	—	—	—
16	EA	44451	MF4 4IN-8FT TYPE A ALUM FLEX DUCT	—	—	—
11	EA	44452	MF5 5IN-8FT TYPE A ALUM FLEX DUCT	—	—	—
8	EA	44453	MF6 6IN-8FT TYPE A ALUM FLEX DUCT	—	—	—
6	EA	44454	MF7 7IN-8FT TYPE A ALUM FLEX DUCT	—	—	—
4	EA	44455	MF8 8IN-8FT TYPE A ALUM FLEX DUCT	—	—	—

Class 1 Flex Duct

Uninsulated



Class 1 flex duct is air-tight and is designed for low to medium operating pressures in HVAC systems. A triple lamination of tough metallized polyester, aluminum foil and polyester encapsulates a steel wire helix providing a continuous air seal.

Performance Properties

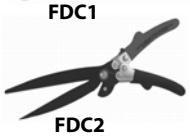
- Velocity: 5000 FPM Max.
- Positive Pressure: 6" w.g. Max.
- Negative Pressure: 3/4" w.g. Max.
- Operating Temperature: -20° to 180° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 1-4 CTNS	PC-3 5 CTNS
4	EA	49000	05102503 3IN 25FT UNINSULATED FLEX DUCT	—	—	—
4	EA	49001	05102504 4IN 25FT UNINSULATED FLEX DUCT	—	—	—
1	EA	49002	05102505 5IN 25FT UNINSULATED FLEX DUCT	—	—	—
1	EA	49003	05102506 6IN 25FT UNINSULATED FLEX DUCT	—	—	—
1	EA	49004	05102507 7IN 25FT UNINSULATED FLEX DUCT	—	—	—
1	EA	49005	05102508 8IN 25FT UNINSULATED FLEX DUCT	—	—	—
1	EA	49006	05102510 10IN 25FT UNINSULATED FLEX DUCT	—	—	—
1	EA	49007	05102512 12IN 25FT UNINSULATED FLEX DUCT	—	—	—
1	EA	49008	05102514 14IN 25FT UNINSULATED FLEX DUCT	—	—	—
1	EA	49009	05102516 16IN 25FT UNINSULATED FLEX DUCT	—	—	—
1	EA	49010	05102518 18IN 25FT UNINSULATED FLEX DUCT	—	—	—

Flex Duct Cutters



FDC1



FDC2

FDC1 Flex Duct Cutter

The double edged knife blade cleanly pierces through the outer skin, insulation, and liner of flexible round duct. The blade cuts both directions, from any angle. The duct's exposed wire rib coil can then be cut with the wire jaws.

FDC2 Flex Duct Shear

Cuts insulated flexible round duct and also cuts the duct liner's wire rib coil. The pointed bottom blade easily pierces duct to start cut. The heavy duty wire cutter is located away from scissor blades. A thumb operated latch ensures that sharpened blade edges stay closed when not in use.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3	EA	80665	FDC2 FLEX DUCT SHEAR	—
3	EA	80666	FDC1 FLEX DUCT CUTTER	—

R4 Silver Sleeve Insulation



- Insulation Value: R4.2
- Operating Temperature: -20 to +250° F
- Vapor Transmission: .05 perm
- Easy Installation

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	48900	11000506 6IN 5FT R4.2 SILVER SLEEVE INSULATION	—	—
20	EA	48901	11000507 7IN 5FT R4.2 SILVER SLEEVE INSULATION	—	—
20	EA	48902	11000508 8IN 5FT R4.2 SILVER SLEEVE INSULATION	—	—
20	EA	48903	11000509 9IN 5FT R4.2 SILVER SLEEVE INSULATION	—	—
20	EA	48904	11000510 10IN 5FT R4.2 SILVER SLEEVE INSULATION	—	—
20	EA	48905	11000512 12IN 5FT R4.2 SILVER SLEEVE INSULATION	—	—
10	EA	48906	11000514 14IN 5FT R4.2 SILVER SLEEVE INSULATION	—	—
10	EA	48907	11000516 16IN 5FT R4.2 SILVER SLEEVE INSULATION	—	—

R6 Silver Sleeve Insulation



- Insulation Value: R6
- Operating Temperature: -20 to +250° F
- Vapor Transmission: .05 perm
- Easy Installation

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
15	EA	48908	11000606 6IN 5FT R6 SILVER SLEEVE INSULATION	—	—
15	EA	48909	11000607 7IN 5FT R6 SILVER SLEEVE INSULATION	—	—
15	EA	48910	11000608 8IN 5FT R6 SILVER SLEEVE INSULATION	—	—
15	EA	48911	11000609 9IN 5FT R6 SILVER SLEEVE INSULATION	—	—
15	EA	48912	11000610 10IN 5FT R6 SILVER SLEEVE INSULATION	—	—
10	EA	48913	11000612 12IN 5FT R6 SILVER SLEEVE INSULATION	—	—
10	EA	48914	11000614 14IN 5FT R6 SILVER SLEEVE INSULATION	—	—
10	EA	48915	11000616 16IN 5FT R6 SILVER SLEEVE INSULATION	—	—

R8 Silver Sleeve Insulation



- Insulation Value: R8
- Operating Temperature: -20 to +250° F
- Vapor Transmission: .05 perm
- Easy Installation

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
9	EA	48916	11000806 6IN 5FT R8 SLEEVE INSULATION	—	—
9	EA	48921	11000807 7IN 5FT R8 SLEEVE INSULATION	—	—
9	EA	48917	11000808 8IN 5FT R8 SLEEVE INSULATION	—	—
9	EA	48922	11000809 9IN 5FT R8 SLEEVE INSULATION	—	—
9	EA	48918	11000810 10IN 5FT R8 SLEEVE INSULATION	—	—
9	EA	48919	11000812 12IN 5FT R8 SLEEVE INSULATION	—	—
6	EA	48920	11000814 14IN 5FT R8 SLEEVE INSULATION	—	—
6	EA	48923	11000816 16IN 5FT R8 SLEEVE INSULATION	—	—

Polypropylene Woven Duct Strap

This webbed duct strap possesses high tensile and abrasion resistance.
It is chemical resistant. Use for flex duct. It is easy to cut and staple to joists.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
8	EA	77056	710-103 3IN NOMINAL SILVER WEB/300FT RL	—	—
24	EA	77062	710-101 1 3/4IN NOMINAL SILVER WEB/300FT RL	—	—

Hanger Straps

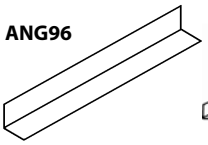
Versatile and economical 24 gauge hanger strap material is available in 1-1/2 inch x 10 feet sizes. There are 10 pieces or 100 feet in an easy to handle bundle. Cut to length as needed on the job for hanging residential or commercial pipe or duct.



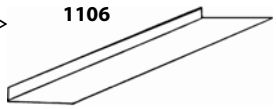
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	RLL	15840	BAND26112 1 1/2 26GA BAND IRON - NON PERFORATED	—

Cold Air Frames

ANG96



1106



ANG96

Use to cross brace studs when floor openings are cut for vertical supply or return openings. Cut the length of angle needed to span the cavity and nail one to each side of the studs.

1106

60 in. long x 1-3/4 in. wide with a 3/8 in. 90° flange on one side.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	10684	ANG96 2X2X96 ANGLE	—	—
20	EA	10687	110660 3/8X1 3/4 24GA ANGLE	—	—

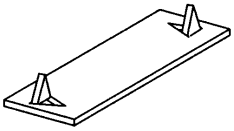
Basset Brackets


A-150


AT-150


BH-8/BH-9


DS-3


618-501


FHA

A-150 brackets are for heating, air conditioning, refrigeration, and plumbing wherever ducts or pipes are installed between joists. 12" to 19".
AT-150 Basset brackets with screw tabs allow for easy installation into the center section of "I" joists.
BH-8: 8" duct hanger for cold air return ducts. (Allows for installation flush with floor joists).
BH-9: 9" duct hanger for warm air supply ducts. (Allows for 1" spacing below floor joists). Hangers are made of 18 gauge galvanized steel.

DS-3 Duct Strap
Self-nailing hanger for all square ducts running below the joists. 18 gauge galvanized steel.
618-501 Stud Guard
One hammer blow will sink the two barbs to hold the support for nailing.
FHA-200, 300, and 400 stud plates available in 18 to 24" lengths to reinforce top plate when notched for vertical DWV and air duct installations. Galvanized steel.

Brackets, Hangers, Straps, and Stud Guard

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	13379	A-150 BASSET BRACKET	—
50	EA	13384	AT-150 TAB BRACKET	—
100	EA	13386	BH-8 8" SQ DUCT HANGER	—
100	EA	13387	BH-9 9" SQ DUCT HANGER	—
100	EA	13378	DS-3 BASSET DUCT STRAP	—
1	BOX	13392	618-501 1-1/2X6 STUD GUARD(100/BOX)	—

Stud Plates

Gauge	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-1 F/CTN
16	50	EA	13393	FHA-400-2416 1-1/2W X 24L FHA STUD PLATE	—	—
18	25	EA	13394	FHA-300-1818 3W X 18L FHA STUD PLATE	—	—
18	50	EA	13395	FHA-200 1-1/2W X 18L FHA STUD PLATE	—	—

441-B Solid PVC Pipe

Heat/Air Duct for Underground Installation

The 441 Heat/Air Duct system utilizes polyvinyl chloride (PVC) tubing, Type SDR 81, for underground duct in heating and cooling ducting systems. Use with PVC fittings, connectors, and plenums for a compatible, economical, complete underground system.

- PVC Heat/Air Duct shall be installed underground or in and under concrete slabs only.
- PVC Heat/Air Duct shall not be installed in exposed applications or in above-ground applications.
- PVC Heat/Air Duct maximum linear loading shall be in accordance with the manufacturer's recommendations.
- PVC Heat/Air Duct maximum duct temperature should be 150° F.
- PVC Heat/Air Duct shall be installed in conformance with the manufacturer's instructions.
- BOCA approved for underground installation. Research report No. 83.33.

Pipe Size Inches	Temporary Load in Lbs./Ft.	Permanent Load in Lbs./Ft.
10 to 12	790	690
6 to 8	1375	1060

441 PVC Pipe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
30	FT	25891	441-B 6INX10FT BELL-END SOLID PVC	—
22	FT	25892	441-B 8INX10FT BELL-END SOLID PVC	—
18	FT	25893	441-B 10INX10FT BELL-END SOLID PVC	—
14	FT	25894	441-B 12INX10FT BELL-END SOLID PVC	—

PVC Tape and Paint

12	EA	23601	2230 ZIPP-R WHITE PLAS PAINT	—
1	EA	13851	UGSPRAY SPRAY PAINT	—

827 PE Film Tape

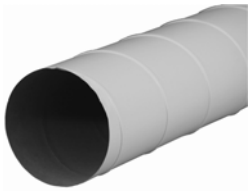
White

- Polyethylene tape with chemical resistant rubber adhesive
- Can be marked for indentification purposes
- Resists degradation from UV exposure
- Repositionable and clean removal

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	EA	23598	827 POLYKEN 48MM PREMIUM PE FILM TAPE (2220 WH PRESS SENS)	—

PVC Duct

Corrosion Resistant, Lightweight, and Strong



Gauge of PVC

- 3" to 8": 26 GA
- 9" to 14": 24 GA
- 16" to 22": 22 GA
- 24" to 28": 20 GA
- 30" to 36": 18 GA

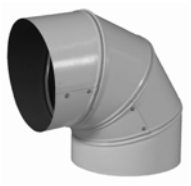
PVC Duct

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	23572	UG10426 4IN 10FT PVC PIPE	—
1	EA	23574	UG10626 6IN 10FT PVC PIPE	—
1	EA	23575	UG10726 7IN 10FT PVC PIPE	—
1	EA	23576	UG10826 8IN 10FT PVC PIPE	—
1	EA	23578	UG101026 10IN 10FT PVC PIPE	—
1	EA	23579	UG101226 12IN 10FT PVC PIPE	—
1	EA	23580	UG101426 14IN 10FT PVC PIPE	—
1	EA	23581	UG101624 16IN 10FT PVC PIPE	—

PVC Saddles

1	EA	23690	UG70212 2 1/4X12X6 SADDLE ON 6IN PIPE	—
1	EA	23691	UG70212 2 1/4X12X8 SADDLE ON 8IN PIPE	—
1	EA	23692	UG70212 2 1/4X12X10 SADDLE ON 10IN PIPE	—
1	EA	23693	UG70214 2 1/4X14X6 SADDLE ON 6IN PIPE	—
1	EA	23694	UG70214 2 1/4X14X8 SADDLE ON 8IN PIPE	—
1	EA	23695	UG70214 2 1/4X14X10 SADDLE ON 10IN PIPE	—
1	EA	23700	UG70410 4X10X6 SADDLE ON 6IN PIPE	—
1	EA	23701	UG70410 4X10X8 SADDLE ON 8IN PIPE	—
1	EA	23702	UG70410 4X10X10 SADDLE ON 10IN PIPE	—
1	EA	23703	UG70412 4X12X6 SADDLE ON 6IN PIPE	—
1	EA	23704	UG70412 4X12X8 SADDLE ON 8IN PIPE	—
1	EA	23705	UG70412 4X12X10 SADDLE ON 10IN PIPE	—

PVC Elbows



UG90



UG45

UG90 Elbows, 90°

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	23223	UG90626 6IN PVC ELBOW	—
1	EA	23225	UG90826 8IN PVC ELBOW	—
1	EA	23227	UG901026 10IN PVC ELBOW	—
1	EA	23228	UG901226 12IN PVC ELBOW	—
1	EA	23229	UG901424 14IN PVC ELBOW	—
1	EA	23230	UG901624 16IN PVC ELBOW	—

UGH45 Angles, 45°

1	EA	23248	UG45626 6IN PVC ANGLE	—
1	EA	23250	UG45826 8IN PVC ANGLE	—
1	EA	23252	UG451026 10IN PVC ANGLE	—
1	EA	23253	UG451226 12IN PVC ANGLE	—

PVC Tees



90°



45°

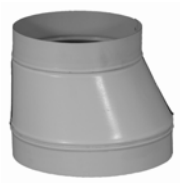
UG54 Tees, 90°

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	23275	UG54666 6X6X6 PVC TEE	—
1	EA	23282	UG54888 8X8X8 PVC TEE	—
1	EA	23288	UG54101010 10X10X10 PVC TEE	—
1	EA	23292	UG54121212 12X12X12 PVC TEE	—

UG54 Tee, 45°

1	EA	23313	UG54866 8X6X6 PVC TEE	—

PVC Reducers and Connectors



UG58



UGCON

UG58 Tapered Reducers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	23413	UG5886 8X6 PVC TAPE REDUCER	—
1	EA	23416	UG58108 10X8 PVC TAPE REDUCER	—
1	EA	23425	UG58128 12X8 PVC TAPE REDUCER	—
1	EA	23427	UG581210 12X10 PVC TAPE REDUCER	—

UGCON Connectors

1	EA	23442	UGCON626 6IN PVC CONN	—
1	EA	23444	UGCON826 8IN PVC CONN	—
1	EA	23446	UGCON1026 10IN PVC CONN	—
1	EA	23447	UGCON1226 12IN PVC CONN	—
1	EA	23448	UGCON1424 14IN PVC CONN	—
1	EA	23449	UGCON1624 16IN PVC CONN	—

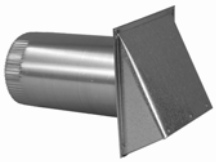
UG55 PVC End Caps



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	23346	UG556 6IN PVC END CAP	—
1	EA	23348	UG558 8IN PVC END CAP	—
1	EA	23350	UG5510 10IN PVC END CAP	—
1	EA	23351	UG5512 12IN PVC END CAP	—

36 Wall Caps

Fresh Air Intakes



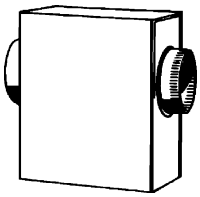
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	13172	366 6IN AIR INTAKE	—	—
1	EA	13174	368 8IN AIR INTAKE	—	—

95 Vertical Draft Diverters



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	13268	954 4IN VERT DIVERTER	—	—
1	EA	13269	955 5IN VERT DIVERTER	—	—
1	EA	13270	956 6IN VERT DIVERTER	—	—
1	EA	13271	957 7IN VERT DIVERTER	—	—
1	EA	13272	958 8IN VERT DIVERTER	—	—
1	EA	13274	9510 10IN VERT DIVERTER	—	—

Horizontal Draft Diverter



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	13287	943 3IN HORIZ DIVERTER	—	—
1	EA	13288	944 4IN HORIZ DIVERTER	—	—

115 Zipp-R Lock Pipe, 2 Ft.

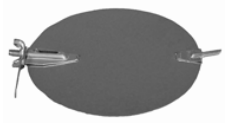


All the features of the patented ZIPP-R Lock Pipe are incorporated in this 24" length. It is manufactured of 30 gauge steel to meet a variety of applications. Ideal for venting flue connections and for stubbing in heating and air conditioning runs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	JT	10293	115 4IN X 100IN 2FT PIPE	—	—

928 E-Z On Damper

with Easy On Garret Clips



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	13136	928 14IN DAMPER	—	—

120 Adjustable Elbows



- 90°
- 4-piece
- Manufactured to high standards.
- Only quality prime steel used.
- Every elbow checked for adjustability before cartoning.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
8	EA	11008	120 12IN 30GA ELBOW	—	—

115 Pipe, Aluminum

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	JT	13450	115 3IN ALUM PIPE	—	—

120 Adjustable Elbows, Aluminum



- 90°
- 4-piece

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	13470	120 3IN ALUM ELBOW	—	—

130 Adjustable Angle



- 45°
- 2-piece

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	11074	130 6IN 24GA ANGLE	—	—
24	EA	11075	130 7IN 24GA ANGLE	—	—
12	EA	11101	130 12IN 26GA ANGLE	—	—
24	EA	11132	130 5IN 30GA ANGLE	—	—
24	EA	11136	130 9IN 30GA ANGLE	—	—
12	EA	11138	130 12IN 30GA ANGLE	—	—

150-F Smooth-Flow Tee Joints, 90°

For Flue Installations



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11222	150-F 7X5X4 TEE	—	—

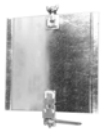
181 Reducers



- Tapered with plain ends
- Little resistance
- Low turbulence
- Smooth air flow
- Cut inventory and save space with plain end collars

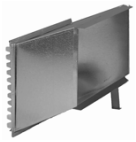
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	15408	181 11X8 TAPERED REDUCER	—	—

Rectangular Dampers



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	13151	1242 22X8 RECTANGULAR DAMPER CTND	—	—

602 & 603C Trunkline Products



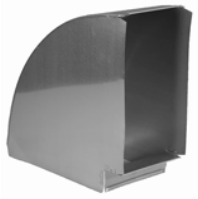
602



603C

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	11866	602 30X8 TAKEOFF	—	—
4	EA	12010	603C 15X16 24X8 TRANS START COLLAR	—	—

615-ST Trunkline Products

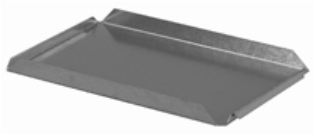


615-ST

615-ST Trunkline Flat Square Elbows

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
3	EA	15833	615-ST 28X8 SQUARE THROAT ELBOW	—	—

617 Trunkline End Caps



Trunkline End Caps, 12 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	12078	617 30X12 END CAP	—	—

S Hooks and Drive Cleats for Rectangular Duct

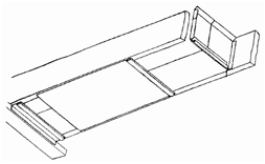


5 and 10 Foot Standing S Cleats and Drive Cleat **Priced per 100 Ft.**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
100	EA	10652	921-T 10FT 22GA STANDING S CLEAT	—	—

Joist System

For Return Air Applications



- Adjustable joist block compensates for width variation between joints
- Completed system has neat, professional appearance
- All galvanized steel contruction
- Simple and easy to install

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	12119	639 JOIST STARTER STRIP	—	—
12	EA	12120	641 JOIST BLOCK	—	—

270 Furnace Bases


270


270-MFB

- 26 gauge galvanized construction
- Front hinged door
- Raised side flange for quick zip screw to furnace

Model 270
- Overall height: 14"
- Accepts standard 1" filter

Model 270-MFB
- Overall height: 20"
- Accepts 1", 4", or 5" Air Bear filters

270 Furnace Base, 1" Filter

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	11294	270 14 1/2IN FURNACE BASE	—
1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR	—
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR	—
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR	—

270-MFB Furnace Base, Multi-Filter

1	EA	11348	270-MFB 17 1/2X25X20 FURNACE BASE W/DOOR	—
1	EA	11350	270-MFB 24 1/2X25X20 FURNACE BASE W/DOOR	—

270-AHA Air Handler Adapters


Furnace base not included.

- For use with 270 furnace base
- Fits Armstrong Air and Ducane air handlers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	11490	270-AHA 15X22 AIR HANDLER ADAPTER	—	—
1	EA	11491	270-AHA 18 1/2X22 AIR HANDLER ADAPTER	—	—
1	EA	11492	270-AHA 22X22 AIR HANDLER ADAPTER	—	—

Return Air Multifilter Drop

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	11306	277-TF 25X16 GLV TRI FILTER DROP	—	—

2210 PVC Coated Sheets

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	23623	2210 48X96 26GA PVC SHEET	—	—

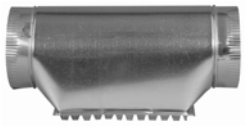
ZIPP–R Takeoffs


691


692


693


695


695-2

691 Side Takeoff

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	12207	691 6X7X5 TAKEOFF	—	—

692 Universal Takeoff

12	EA	12224	692 6X8X8 TAKEOFF	—	—

693 Adjustable Takeoff

12	EA	12235	693 6X7X5 TAKEOFF	—	—

695 Top Takeoff

12	EA	12253	695 6X7X5 TAKEOFF	—	—

695-2 Double Top Takeoff

12	EA	12286	695-2 7X9X6 TAKEOFF	—	—

Sheet Metal Takeoffs


252


252-D


253-D

252 Spin-in Collar

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	21218	252 4IN SPIN-IN COLLAR	—	—
24	EA	21219	252 5IN SPIN-IN COLLAR	—	—
24	EA	21221	252 7IN SPIN-IN COLLAR	—	—
6	EA	21226	252 14IN SPIN IN COLLAR	—	—
3	EA	21227	252 16IN SPIN-IN COLLAR	—	—
3	EA	21228	252 18IN SPIN-IN COLLAR	—	—

252-D Spin-in Collar

3	EA	21243	252-D 16IN SPIN-IN W/DAMPER	—	—

253-D Spin-in Collar

12	EA	21210	253-D 12IN SPIN-IN W/SCOOP&DAMPER	—	—

Insulated Duct Takeoffs



460



460-D



461



461-D

460 Zip-In Takeoff

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	21278	460 10IN ZIP-IN TAKEOFF	—	—

461 Zip-In Takeoff with Scoop

24	EA	21298	461 6IN ZIP-IN TAKEOFF W/SCOOP	—	—
24	EA	21299	461 7IN ZIP-IN TAKEOFF W/SCOOP	—	—

461-D Zip-In Takeoff with Scoop and Damper

24	EA	21310	461-D 6IN ZIP-IN W/SCOOP & DAMPER	—	—
24	EA	21311	461-D 7IN ZIP-IN W/SCOOP & DAMPER	—	—
12	EA	21314	461-D 10IN ZIP-IN W/SCOOP & DAMPER	—	—

460-D Zip-In Takeoff with Dampers

24	EA	21286	460-D 6IN ZIP-IN TAKEOFF W/DAMPER	—	—
24	EA	21287	460-D 7IN ZIP-IN TAKEOFF W/DAMPER	—	—
24	EA	21288	460-D 8IN ZIP-IN TAKEOFF W/DAMPER	—	—
12	EA	21290	460-D 10IN ZIP-IN TAKEOFF W/DAMPER	—	—

Duct Board Collars and Takeoffs



450

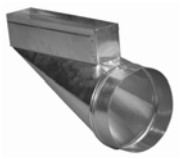
450 Glass Duct Collar

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	11708	450 6IN GLASS DUCT COLLAR	—	—
24	EA	11709	450 7IN GLASS DUCT COLLAR	—	—
24	EA	11710	450 8IN GLASS DUCT COLLAR	—	—
24	EA	11711	450 9IN GLASS DUCT COLLAR	—	—
3	EA	11715	450 16IN GLASS DUCT COLLAR	—	—
24	EA	11733	450 4IN GLASS DUCT COLLAR	—	—
24	EA	11734	450 5IN GLASS DUCT COLLAR	—	—
3	EA	11735	450 18IN GLASS DUCT COLLAR	—	—

Boots



902-CRD



903



903L



904



913

902-CDR Ceiling Radiation Damper Boots

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
8	EA	14361	902-CRD 4X10X6 ANGLE BOOT W/DAMPER	—	—
8	EA	14362	902-CRD 4X10X7 ANGLE BOOT W/DAMPER	—	—
1	EA	14364	902-CRD 4X12X6 ANGLE BOOT W/DAMPER	—	—

903 End Boot, Center

12	EA	12859	903 2 1/4X14X7 END BOOT	—	—

903-CRD Ceiling Radiation Damper End Boot

6	EA	14381	903-CRD 4X10X6 GALV END BOOT W/DAMPER	—	—

904 Universal Boot

12	EA	13021	904 4X10X7 STRAIGHT BOOT W/3IN RISE	—	—

904-CRD Ceiling Radiation Damper Universal Boots

1	EA	14401	904-CRD 4X10X6 UNIVERSAL BOOT W/DAMPER	—	—
1	EA	14403	904-CRD 4X12X6 UNIVERSAL BOOT W/DAMPER	—	—

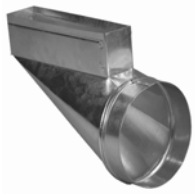
913 Boot Rails

10	EA	13050	913 2 1/4X12 BOOT RAIL F/16IN STUD SPACE	—	—
10	EA	13051	913 2 1/4X12 BOOT RAIL F/24IN STUD SPACE	—	—

Extended Collar Boots for Flex-Duct



902E



903E



904E

These boots feature an extended boot throat to allow flex duct to be securely attached with either a cable tie or duct tape.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	12705	902E 4X10X6 GLV ANGLE BOOT	—	—
20	EA	12849	903E 2 1/4X12X6 GLV END BOOT	—	—
20	EA	12850	903E 4X10X6 GLV END BOOT	—	—
20	EA	12964	904E 4X10X6 GLV UNIV BOOT	—	—

Floor Pans



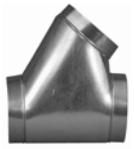
413

6" Deep Floor Pan

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11777	413 6X14 FLR PAN	—	—

Galvanized Spiral Fittings

- Airtight 4-ply lock seam construction
- Meets SMACNA gauge requirements
- Meets leakage Class 3 for 10" w.g. duct construction class in a sample test section
- Low friction loss


951


953


976L


977-L


980

948 Spiral Register Saddle

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	13901	951 6X6X6 GLV SPIRAL 45DEG TEE	—

45 Degree Tee

12	EA	13862	951 8X8X8 GLV SPIRAL 45DEG TEE	—

Collar Saddles (Round Pipe Dia. x Duct Dia.)

12	EA	13695	953 6X8 GLV SPIRAL CLR SADDLE	—
12	EA	13696	953 6X10 GLV SPIRAL CLR SADDLE	—
12	EA	13697	953 6X12 GLV SPIRAL CLR SADDLE	—
12	EA	13698	953 6X14 GLV SPIRAL CLR SADDLE	—
12	EA	13699	953 8X10 GLV SPIRAL CLR SADDLE	—
12	EA	13700	953 8X12 GLV SPIRAL CLR SADDLE	—
12	EA	13701	953 8X14 GLV SPIRAL CLR SADDLE	—
12	EA	13704	953 10X12 GLV SPIRAL CLR SADDLE	—
12	EA	13705	953 10X14 GLV SPIRAL CLR SADDLE	—
12	EA	14023	953 14X18 GLV SPIRAL CLR SADDLE	—

Long Sweep Elbows

8	EA	14721	976-L 12IN 26GA SPIRAL LOCK LONG SWEEP ELBOW	—
1	EA	14723	976-L 16IN 26GA SPIRAL LOCK LONG SWEEP ELBOW	—

Long Sweep Angles

24	EA	14736	977-L 6IN 26GA SPIRAL LOCK LONG SWEEP ANGLE	—
24	EA	14740	977-L 10IN 26GA SPIRAL LOCK LONG SWEEP ANGLE	—
12	EA	14741	977-L 12IN 26GA SPIRAL LOCK LONG SWEEP ANGLE	—
1	EA	14742	977-L 14IN 26GA SPIRAL LOCK LONG SWEEP ANGLE	—
1	EA	14743	977-L 16IN 26GA SPIRAL LOCK LONG SWEEP ANGLE	—
1	EA	14744	977-L 18IN 26GA SPIRAL LOCK LONG SWEEP ANGLE	—

Standard Reducer

12	EA	13718	980 8X6 GLV SPIRAL STD REDUCER	—
12	EA	13725	980 10X8 GLV SPIRAL STD REDUCER	—
12	EA	13728	980 12X10 GLV SPIRAL STD REDUCER	—
12	EA	13736	980 16X14 GLV SPIRAL STD REDUCER	—

Compressed Flex Duct



- Duct Material: Type 3003 aluminum
- Maximum Static Pressure: 12" W.C.
- Temp. Range: 100° to 435° F
- Ideal for low to high pressure air duct

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 1-4 CTNS	PC-3 5 CTNS
30	FT	44420	434 3IN-8FT TYPE A ALUM FLEX DUCT	—	—	—
16	FT	44421	434 4IN-8FT TYPE A ALUM FLEX DUCT	—	—	—
11	FT	44422	434 5IN-8FT TYPE A ALUM FLEX DUCT	—	—	—
8	FT	44423	434 6IN-8FT TYPE A ALUM FLEX DUCT	—	—	—
6	FT	44424	434 7IN-8FT TYPE A ALUM FLEX DUCT	—	—	—
4	FT	44425	434 8IN-8FT TYPE A ALUM FLEX DUCT	—	—	—

923 Pipe Hangers



- Position one end of hanger firmly against joist
- Tap other end into opposite joist with hammer

50 Per Carton, Sold Full Carton Only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	EA	10666	923 15 1/4IN PIPE HANGER	—	—
25	EA	10777	923 17 1/2IN GLV PIPE HANGER BNDL	—	—

924 Construction Angle

Stud Hanger



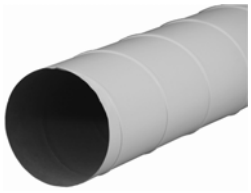
- Heavy gauge galvanized steel
- 20" L x 1-1/2"W
- Prepunched holes for easy mounting

50 Per Carton, Sold Full Carton Only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	EA	10796	924 1 1/4X1 1/2X20 GALV STUD SUPPORT	—	—

540 PVC Duct

Corrosion Resistant, Lightweight, and Strong



Gauge of PVC

- 3" to 8": 26 GA
- 9" to 14": 24 GA
- 16" to 22": 22 GA
- 24" to 28": 20 GA
- 30" to 36": 18 GA

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	FT	23573	540 5IN 10FT PVC DUCT	—
10	FT	23586	540 26IN 10FT PVC DUCT	—

Dryer Duct and Vent



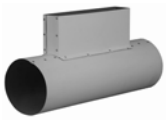
VC3



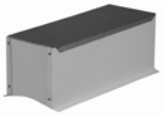
VF

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
27	EA	13640	1080 VF-405 4X5 WHITE VINYL DUCTING	—
50	EA	13651	1080 VC3 3IN FLEX HOSE CLAMP	—

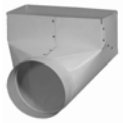
PVC Accessories



500 Register



501 Register



502 90°



503 End Boot



520 90° Elbow



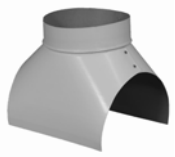
529 Starting Collar



530 45° Angle



545 Y Branch



599 Collar Saddle

500 Register Perimeter Tee

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	23486	500 2 1/4X12 ON 8 PVC TEE	—
12	EA	23489	500 2 1/4X12 ON 14 PVC TEE	—
12	EA	23492	500 2 1/4X14 ON 10 PVC TEE	—
12	EA	23487	500 4X10 ON 6 PVC TEE	—
12	EA	23502	500 4X14 ON 8 PVC TEE	—
6	EA	23505	500 4X14 ON 14 PVC TEE	—
12	EA	23608	500 4X12X14 PVC REGISTER TEE CTN	—

501 Register Saddles

1	EA	23517	501 2 1/4X12 PVC SADDLE	—
12	EA	23514	501 2 1/4X14 PVC SADDLE	—
1	EA	23521	501 4X10 PVC SADDLE	—
1	EA	23522	5001 4 X 12 PVC SADDLE	—
1	EA	23467	501 6X10IN PVC COLLAR SADDLE	—
1	EA	23468	501 6X12IN PVC COLLAR SADDLE	—
1	EA	23469	501 6X14IN PVC COLLAR SADDLE	—
1	EA	23475	501 8X10IN PVC COLLAR SADDLE	—

502 90° Register Boot

12	EA	23530	502 2 1/4X12X6 PVC BOOT	—
12	EA	23529	502 2 1/4X12X8 PVC REGISTER BOOT	—
12	EA	23537	502 2 1/4X14X8 PVC REGISTER BOOT	—
12	EA	23535	502 4X10X8 PVC REGISTER BOOT CTN	—
12	EA	23532	502 4X12X8 PVC REGISTER BOOT CTN	—
12	EA	23536	502 4X14X8 PVC REGISTER BOOT CTN	—
12	EA	23538	502 4X10X6 PVC BOOT	—
12	EA	23544	502 4X12X6 PVC BOOT	—

503 End Boot

12	EA	23549	503 2 1/4X10X6 PVC BOOT	—
12	EA	23550	503 2 1/4X12X6 PVC BOOT	—
12	EA	23552	503 2 1/4X14X6 PVC BOOT	—
12	EA	23554	503 2 1/4X14X8 PVC BOOT	—
12	EA	21047	503SP 3 1/4X10X6 PVC END BOOT W/6IN RISE	—
12	EA	23558	503 4X10X6 PVC BOOT	—
12	EA	23562	503 4X12X8 PVC BOOT	—

520 Elbows

12	EA	23222	520 5IN PVC ELBOW	—
12	EA	23224	520 7IN PVC ELBOW	—
12	EA	23226	520 9IN PVC ELBOW	—

529 Starting Collars

24	EA	23398	529 6IN PVC STARTING COLLAR	—
24	EA	23400	529 8IN PVC STARTING COLLAR	—
24	EA	23401	529 10IN PVC STARTING COLLAR	—

Continued on the following page

530 Angles

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	EA	23246	530 4IN PVC ANGLE	—
24	EA	23249	530 7IN PVC ANGLE	—
24	EA	23251	530 9IN PVC ANGLE	—
1	EA	23254	530 14IN PVC ANGLE	—
1	EA	23257	530 20IN PVC ANGLE	—

545 Y Branch

12	EA	23270	545 8X6X6 PVC Y BRANCH	—
12	EA	23272	545 10X8X8 PVC Y BRANCH	—

599 Collar Saddle

12	EA	23477	599 8X14IN PVC COLLAR SADDLE	—
12	EA	23479	599 8X18IN PVC COLLAR SADDLE	—

PVC Tees



550



551

- 3"-12" tees will be supplied as smooth flow, straight, or reducing.
- 14"-20" will be supplied as smooth flow straight only (A=B=C) either a No. 580 or No. 581 reducer must be used if a reducing tee is needed.
- 22"-36" will be supplied as straight barrel tee, stub size will be supplied as ordered. A No. 580 or No. 581 must be used to reduce barrel. A No. 533 connector must be used to connect barrel to pipe.

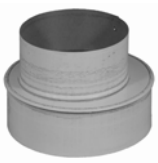
550 90° Tees

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	23287	550 9X9X9 PVC TEE	—
1	EA	23299	550 16X16X16 PVC TEE	—
1	EA	23300	550 18X18X18 PVC TEE	—
1	EA	23306	550 36X36X36 PVC TEE	—

551 45° Tee

6	EA	23318	551 10IN PVC TEE	—
6	EA	25359	551 10X8X8 PVC TEE	—
3	EA	23323	551 14IN PVC TEE	—
1	EA	23325	551 16IN PVC TEE	—

PVC Reducers and Connectors



580



533

580 Reducer

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	23374	580 8X6 PVC REDUCER	—

533 Connectors

12	EA	23441	533 5IN PVC CONNECTOR	—
12	EA	23445	533 9IN PVC CONNECTOR	—
12	EA	23450	533 18IN PVC CONNECTOR	—
12	EA	23451	533 20IN PVC CONNECTOR	—
1	EA	23452	533 22IN PVC CONNECTOR	—
1	EA	23453	533 24IN PVC CONNECTOR	—

560 PVC End Cap

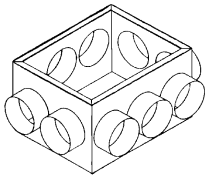


560 PVC End Caps fit tight to provide a positive seal. To meet F.H.A. approvals, hardcast is required at all joints.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	23347	560 7IN PVC END CAP	—
12	EA	23352	560 14IN PVC END CAP	—
1	EA	23354	560 18IN PVC END CAP	—

PVC Furnace Plenums

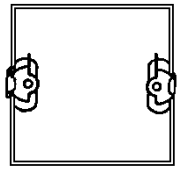
22 gauge, 4 mil. outside, 1 mil. inside, polyvinyl coated. Meets F.H.A. and B.O.C.A. requirements for underground applications.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	23625	651 16X16-8 RUN PVC PLENUM	—
1	EA	23626	651 16X20-10 RUN PVC PLENUM	—

Access Door

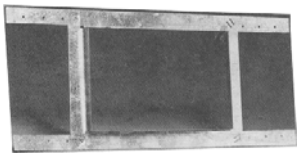
1/2" Double Cam



The duct access door is available with a double cam lock.
The door allows access to the duct for cleaning or servicing dampers.
Also available in see-through models.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	25912	625 8X8 ACCESS DOOR 1/2 INSUL	—

924 Sidewall Stud Frame

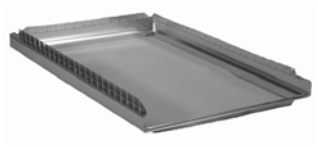


- Horizontal arms provide offset positioning between 16" studding centers.
- All steel construction.
- Permits good plaster base right up to frame.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	16060	924 16X16 28GA STUD FRAME BNDL	—

1300 Filter Racks

1 Inch



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	11697	1300 16X25X1 FILTER RACK W/TAB	—
1	EA	11590	1300 20X16X1 FILTER RACK	—

1300 Filter Racks

4 Inch



A simple filter system designed to accept a 4 inch deep pleated filter and to be installed on the return air duct. The 4 inch pleated filter has 7 square feet of effective filter media which provides more efficient filtering than 1 inch or 2 inch throw away filters.

- **Average Efficiency:** 25 to 30% dust retention.
- **Average Arrestance:** 90–93%.
- UL listed class 2 filter.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	11592	1300 25X16X4 GLV FILTER RACK W/FILTER	—

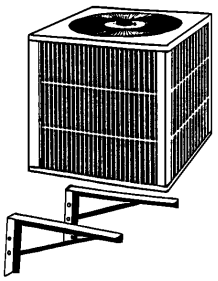
Tri-Filter Frame



- Use 1", 2" or 4" standard filter
- Use 4" filter in combination with 1" charcoal filter
- Snap on top cover for easy service and right or left mounting
- Smooth polyethylene filter glides

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	11594	1300 25X16 TRI FILTER FRAME	—

Wall Mounting Bracket



The ZIPP'R wall mounting bracket is made of durable, coated angle iron. Anchor bolt the bracket to the foundation above the grade line. Use with air conditioners and with heat pumps that need to be off the ground. Can also be used with other equipment when mounted to an appropriate structure.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH	
1	PR	16556	1043 12 X 24 IN WALL MOUNT BRACKET	—	—
1	PR	16553	1043 12 X 42 IN WALL MOUNT BRACKET	—	—

Group 2 Air Movement, Ventilation, and Motors

Group 2 Air Movement, Ventilation, and Motors

Bathroom Ventilation..... 2 - 1
Dryer Ventilation..... 2 - 9
Whole House Ventilation..... 2 - 11
Residential and Light Commercial Building Ventilation..... 2 - 13
Light Commercial and Industrial Exhaust Fans..... 2 - 14
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Louvers and Dampers..... 2 - 29
Refrigeration Motors..... 2 - 30
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Blowers and Parts..... 2 - 56
Belts and Sheaves..... 2 - 58

BROAN Bathroom Ventilators

Fan Only



670

670 and 671 Deluxe Fans—Ceiling or Wall Installation

- Housing: 8 x 8-1/4"
- Damper/duct connector fits 3" round duct.
- Grille: 10 x 10-9/16"
- Lifetime-lubricated, motor guaranteed for five years.
- U.L. listed for over bathtubs and showers when connected to a GFCI protected branch circuit.

688 Economy Fans—Ceiling or Wall Installation

- Housing: 8 x 8-1/4"x 3- 3/4"
- Damper/duct connector fits 3" round duct.
- Snap-in plastic grille
- Two-pole motors
- U.L. listed for use over bathtubs and showers when connected to a GFCI protected branch circuit.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64031	670 50 CFM 3.5 SONES BROAN FAN	
1	EA	64005	671 70 CFM 6.0 SONES BROAN FAN	
1	EA	64029	688 50 CFM 4.0 SONES BROAN FAN	

BROAN Bathroom Ventilator

Fan with Light



Compact units provide ventilator and 100 watt light capacity in one unit (bulb not included). Damper/duct connector fits 4" round duct.

- Housing: 8" x 8-1/4" x 5-3/4"
- Molded plastic grille: 11-1/8" x 10-5/8"
- Shatter- resistant lens.
- U.L listed for use over bathtubs and showers when connected to a GFCI protected branch circuit..

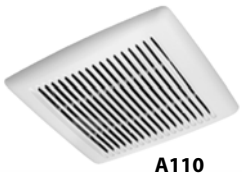
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64026	678 50 CFM 2.5 SONES BROAN FAN/LIGHT	

BROAN InVent™ Bathroom Ventilators



AE80BL

- FoldAway™ Mounting Ears are precisely positioned for new construction and fold flat for room-side retrofits
- TrueSeal™ Damper Technology reduces air leakage by up to 50% resulting in better home performance
- EzDuct™ connector enables room-side installation without attic access
- LED lighting offers greater energy efficiency and longevity



A110

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64040	A70L 70 CFM 2.0 SONES BROAN FAN/LIGHT	
1	EA	64051	AE80BL 80 CFM 1.5 SONES BROAN FAN/ LED LIGHT	
1	EA	64038	A80 80 CFM 2.0 SONES BROAN FAN	
1	EA	64039	A110 110 CFM 3.0 SONES BROAN FAN	
1	EA	64045	A110L 110 CFM 1.3 SONES BROAN FAN/LIGHT	

BROAN QTXE Bathroom Fans and Fan/Lights


Fan with Light


Fan Only

- Nearly silent operation.
- 6 inch ducting for superior performance.
- Designed to meet Energy Star standards.
- Models with lights include energy efficient 26 watt fluorescent bulb.
- 4 watt nightlight on lighted models.
- Motor engineered for continuous operation.
- UL listed for use over tub/shower with GFCI Circuit.
- Housing: 11-1/4" x 10-3/8" x 7-5/8" Fits 2" x 8" construction.
- Grille Dimension: Fan: 14" x 15" Fan/Light: 13-3/8" x 14-1/4"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64008	QTXE080 .4 SONE 80 CFM BROAN FAN	
1	EA	64009	QTXE080FLT .4 SONE 80 CFM BROAN FAN/LIGHT	
1	EA	64016	QTXE110 1.1 SONE 110 CFM BROAN FAN	
1	EA	64018	QTXE 110FLT 1.1 SONE 110 CFM BROAN FAN/LIGHT	

BROAN Bathroom Ventilator

Fan with Heat and Light



1300 watt heater with metal blower wheel for efficient, even heat distribution, plus 100 watt light capacity in one compact unit (bulb not included). Two separate motors for heater and ventilator.

- Housing: 14-1/4" x 8-1/4" x 5-3/4"
- Molded plastic grille: 16-3/4" x 10-5/8"
- Damper/duct connector fits 4" round duct.
- Shatter-resistant lens.
- U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64025	655 70 CFM 4.0 SONES BROAN HEATER/FAN/LIGHT	

BROAN Lo-Sone® Commercial Ventilators



L100/150/200/300 Ceiling Mount Ventilators

Single, impact resistant centrifugal blower wheel driven by low RPM motor. 12-1/2" x 12-1/2" x 11-3/4" high housing. Low profile white polymeric grille (14" x 14").
Built-in backdraft damper. 120V
L100: Horizontal Discharge 109 CFM, 0.9 Sones; Vertical Discharge 112 CFM, 1.0 Sones; 6" round duct.
L150: Horizontal Discharge 157 CFM, 1.5 Sones; Vertical Discharge 160 CFM, 1.6 Sones; 6" round duct.
L200: Horizontal Discharge 210 CFM, 1.7 Sones; Vertical Discharge 207 CFM, 2.0 Sones; 8" round duct.
L300: Horizontal Discharge 308 CFM, 2.9 Sones; Vertical Discharge 313 CFM, 3.0 Sones; 8" round duct.

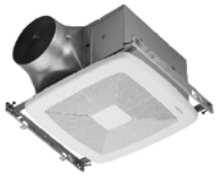
L500 Ceiling Mount Ventilator

Two impact resistant centrifugal blower wheels driven by low RPM motor with a 21-1/2" x 12-1/4" x 11-3/4" high housing. Sturdy, low profile metal grille finished with painted white enamel (21" x 14"). Discharges horizontally or vertically through 4-1/2" x 18-1/2" duct connector. 120V.
L500: Horizontal Discharge 514 CFM, 3.3 Sones; Vertical Discharge 512 CFM, 3.2 Sones.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64056	L100 LO-SONE SELECT FAN	
1	EA	64057	L150 LO-SONE SELECT FAN	
1	EA	64058	L200 LO-SONE SELECT FAN	
1	EA	64059	L300 LO-SONE SELECT FAN	
1	EA	64060	L500 LO-SONE SELECT FAN	

BROAN Ultra™ Pro Series Fans and Fan with Lights

Fast, Easy, Universal Installation



Fan



Fan with Light

Ultra Quick Installation

- Up to 60% faster in retrofits with no attic access required
- Up to 20% faster in new construction
- Works in any type of joist or truss system

Quiet Operation

- QStream technology features air flow-smoothing baffles to reduce turbulence.
- QFlow technology removes the duct damper from the airstream to reduce static pressure and noise when open. When closed it provides a surface-to-surface seal to prevent backdrafts.

Features

- Energy Star qualified
- UL listed for tub/shower
- White polymeric grille finish

Model No.	Duct Size (In)	CFM	Sones	Light/ Night Light	Housing Dimensions W x L x H (In)	Grille Dimensions L x W (In)	Amps
RB80	4	80	<0.3	—	11-3/8 x 10-1/2 x 7-5/8	13 x 14	0.3
RB110	4	110	0.6	—	11-3/8 x 10-1/2 x 7-5/8	13 x 14	0.9*
RB80L	4	80	<0.3	2-18W GU24/4W	11-3/8 x 10-1/2 x 7-5/8	13 x 13-3/4	0.3
RB80L1	4	80	<0.3	2-18W GU24/4W	11-3/8 x 10-1/2 x 7-5/8	13 x 13-3/4	0.5
RB110L	4	110	0.8	2-18W GU24/4W	11-3/8 x 10-1/2 x 7-5/8	13 x 13-3/4	0.9*

*Total connected load

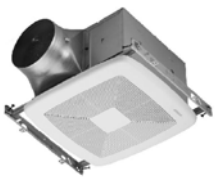
Single-Speed Fans

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64212	RB80 80 CFM ULTRA PRO BROAN FAN	
1	EA	64214	RB110 110 CFM ULTRA PRO BROAN FAN	

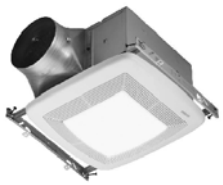
Single-Speed Fans with Light

1	EA	64213	RB80L 80 CFM ULTRA PRO BROAN FAN W/LIGHT	
1	EA	64277	RB80L1 80 CFM ULTRA PRO BROAN FAN W/LED LIGHT	
1	EA	64215	RB110L 110 CFM ULTRA PRO BROAN FAN W/LIGHT	

BROAN Ultra™ Series Fans and Fans with Light



Fan



Fan with Light

- Ultra Smart™ Control Technology enables these fans to maintain their powerful operation even at high static pressures, and supply the required air movement levels for whole-house ventilation while meeting the spot ventilation needs of a bathroom.
- The Ultra Silent™ Sound Technology surpasses the ASHRAE 62.2 standard by measuring a barely audible 0.3 sones or less.
- The Ultra Green™ DC Motor Technology meets Energy Star® CFM-per-watt requirements and in some cases are nearly 10 times more efficient.
- The Ultra Quick™ Installation Technology has exclusive features such as a telescoping mounting frame with pre-installed screws, snap-in housing, snap-in blower and an inside-out mounting duct connector. It offers expandable mounting frame design which adjusts from 14" to 24" wide and fits any type of joist, I-joist or truss construction.
- Ultra Lucent™ Lighting Technology ensures even lighting, maximizing the lumen output per watt of the bulb.
- Energy Star® Most Efficient 2018.

Model No.	Duct Size (In)	CFM	Constant CFM Range	Sones	Light/ Night Light	Housing Dimensions H x L x W (In)	Grille Dimensions L x W (In)	Amps
Single-Speed Fans								
XB80L	6 or 4	80	–	<0.3*	(2) 18W GU24	7-5/8 x 10-1/2 x 11-3/8	13 x 13-3/4	0.9
Multi-Speed Fans								
ZB80	6 or 4	80	30–80	<0.3*	–	7-5/8 x 10-1/2 x 11-3/8	13 x 13-3/4	0.3
ZB80L	6 or 4	80	30–80		(2) 18W GU24		13 x 13-3/4	0.9
ZB110	6	110	30–110		–		13 x 13-3/4	0.3
ZB110L	6	110	30–110		(2) 18W GU24		13 x 13-3/4	0.9
ZB110L1	6	110	30–110		(1) 18W LED		13-3/4 x 14-1/4	0.5
Multi-Speed Fans with Motion Sensor								
ZB80M	6 or 4	80	30–80	<0.3*	–	7-5/8 x 10-1/2 x 11-3/8	13-1/8 x 14	0.3
ZB80ML	6 or 4	80	30–80		(2) 18W GU24		13-1/8 x 14	0.9
ZB80ML1	6 or 4	80	30–80		(1) 18W LED		13-3/4 x 14-1/4	0.4
ZB110M	6	110	30–110		–		13-1/8 x 14	0.4
ZB110ML	6	110	30–110		(2) 18W GU24		13-1/8 x 14	1.0

* <0.3 sones with 6" duct

Single-Speed Fan with Light

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64218	XB80L 80 CFM ULTRA BROAN FAN W/LIGHT	

Multi-Speed Fans ("L" Models also have Light)

1	EA	64220	ZB80 30/80 CFM MULTISPEED ULTRA BROAN FAN	
1	EA	64222	ZB80L 30/80 CFM MULTISPEED ULTRA BROAN FAN W/LIGHT	
1	EA	64221	ZB110 30/110 CFM MULTISPEED ULTRA BROAN FAN	
1	EA	64223	ZB110L 30/110 CFM MULTISPEED ULTRA BROAN FAN W/LIGHT	
1	EA	64126	ZB110L1 30/110 CFM MULTISPEED ULTRA BROAN FAN W/LIGHT	

Multi-Speed Fans with Motion Sensor ("L" Models also have Light)

1	EA	64224	ZB80M 30/80 CFM MULTISPEED ULTRA FAN W/MOTION SENSOR	
1	EA	64129	ZB80ML1 30/80 CFM MULTISPEED ULTRA FAN W/MOTION & LIGHT	
1	EA	64226	ZB110M 30/110 CFM MULTISPEED ULTRA FAN W/MOTION SENSOR	
1	EA	64227	ZB110ML 30/110 CFM MULTISPEED ULTRA FAN W/MOTION & LIGHT	

BROAN Ventilation Accessories



639



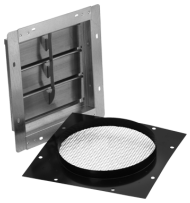
641



643



885BL



441



BD6



472



MD6TU/MD8TU /MD10TU



437/634



636



57W



66W



ACCGSFHP2

639, 641, 643, and 885 Wall Caps

Built-in bird screen (except 643). 639 has a spring-loaded backdraft damper and 641 has a built-in backdraft damper.

- The 639 and 885 have a steel baked black enamel finish.
- The 641 and 643 have an aluminum natural finish. **441**

Wall Cap, 10" Round

- 13" square mounting collar x 2-1/4" deep
- Bird screen included

BD6 Pressure Relief Damper

- Includes wall cap and collar, 6"

472 Reducer and Damper

- Reduces from 10" round duct to 8" round duct
- Includes damper

MD6TU/MD8TU/MD10TU Automatic Make-up Dampers

- Sensor installs directly to exhaust duct from range hood
- Ganged dampers open and close simultaneously
- 6" round duct to 10"

437, 634 and 636 Roof Jacks

- Built-in backdraft damper with bird screen
- Steel baked black enamel finish

57W Electronic Variable-Speed Control

- 120V, 3 amps, fits single-gang box
- Rotary dial for selection of fan speed and sound level
- Use with all Broan fans within Amp rating except Models 670, 678, 682, 688, 689, and ceiling paddle fans

66W Fan-Heat-Light Control

- 3 independent, 120V, 60 cycle 15 A circuits
- Fits single gang box
- For all Broan heaters and fans within Amp ratings
- 66W white with plastic wall plate

ACCGSFHP2 HEPA Prefilter Kit

- For use with whole house ventilators GSEH3K, GSFH1K, GSHH3K, and GSVH1K

Wall Caps

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3-1/4" x 10" Duct	1	EA	64000	639 3-1/4X10 DUCT BROAN WALL CAP	
6" Round Duct	1	EA	64032	641 6IN RD DUCT BROAN WALL CAP(ALUM FINISH)	
8" Round Duct	1	EA	64091	643 8" RD ALUMINUM WALL CAP	
3" to 4" Round Duct	6	EA	64090	885BL 3"-4" RD DUCT BROAN WALL CAP W/B-SCREEN	
10" Round Duct	1	EA	64021	441 10" RD ALUMINUM WALL CAP W/GRAVITY DAMPER	

Dampers

6" Round Duct	5	EA	64049	BD6 BROAN PRESSURE RELIEF DAMPER	
471 Fan	1	EA	64004	472 BROAN REDUCER & DAMPER	
Any Broan Range Hood	1	EA	64020	MD6TU 6" AUTOMATIC MAKE UP AIR DAMPER	
Any Broan Range Hood	1	EA	64132	MD8TU 8" AUTOMATIC MAKE UP AIR DAMPER	
Any Broan Range Hood	1	EA	64133	MD10TU 10" AUTOMATIC MAKE UP AIR DAMPER	

Roof Jack

High performance blower system	1	EA	64068	437 10" HIGH CAP ROOF JACK TO 1200 CFM	
3-1/4" x 10" or up to 8" Round Duct	1	EA	64007	634 3-1/4X10/8 RD DUCT BROAN ROOF JACK	
3" or 4" Round Duct	1	EA	64013	636 3/4" RD DUCT BROAN ROOF JACK	

Controls

For all Broan fans max. 20 amps	1	EA	64006	57W BROAN SOLID STATE CONTROL	
For all Broan fans max. 20 amps	1	EA	64001	66W BROAN HTR-FAN-LIGHT CONTROL	

HEPA Prefilter Kit

Broan HEPA filtration units	1	EA	41859	ACCGSFHP2 HEPA-PREFILTER KIT	

BROAN Ceiling Fans



504, 505

Model 504

350 CFM, 6.5 sones, 10" fan. Rubber motor mounts prevent vibration for quiet operation. Polymer Grille 13-1/2" sq. can be painted to match any decor. Steel housing 10-1/4" dia. x 7" (does not include damper). Use with 10" duct or use Broan Model 472 reducer/damper for 8" duct. Mounting brackets with keyhole slots adjustable to 24" span. 10" fan, 10" discharge opening.

Model 505

180 CFM, 4.5 sones, 8" fan. Polymer grille 11-1/4" sq. can be painted to match any decor. Steel housing 8-1/4" dia. x 7" with built-in damper. Fits 8" duct. Mounting brackets with keyhole slots adjustable to 24" span. 8" discharge opening.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64010	504 350 CFM 6.5 SONES VERTICAL DISCHARGE FAN	
1	EA	64014	505 180 CFM 5.5 SONES VERTICAL DISCHARGE BROAN FAN	

BROAN Wall Fans



Model 507

250 CFM, 5.0 sones, 8" fan white polymer 11-1/4" sq. grille can be painted. Specially designed high performance fan blade. Pull chain opens door, turns on fan. No wall switch to wire. Adjusts for walls from 4-1/2" to 9-1/2" thick.



Model 508

270 CFM, 6.0 sones, 10" fan. 13-1/2" sq. grille. Motor and fan assembly offers fast, easy "Twist-Lock" installation and 4-pole motor. White polymer grille, 13-1/2" sq., can be painted. Steel housing 10-3/8" diameter with 14-1/4" square outside flange.

Model 509

180 CFM, 5.0 sones. 8" wall fan. Grille 11-1/2" sq. Housing 8-3/8" dia. All other features same as model 508.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64012	507 250 CFM 7.0 SONES CHAIN OPERATED WALL FAN	
1	EA	64011	508 270 CFM 8.0 SONES CHAIN OPERATED WALL FAN	
1	EA	64024	509 180 CFM 6.5 SONES DIRECT DISCHARGE WALL FAN	

Rotaire 3840 Undereave Bath Fan Vent

with Screen



- For residential undereave use
- 4" vent for bath fans
- 360° rotation
- White

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
96	EA	13635	3840WH EAVE VENT HOOD W/SCREEN	

TD MIXVENT Series In-line Fans

For Round Duct



Model 100

Fans feature single-phase, 120V 60 Hz, shaded pole induction asynchronous motor. Includes two direct speed connections and is suitable for voltage speed control.

- Self-lubricating sleeve bearings
- Suitable for working airstreams up to 104° F
- Class II electrical insulation
- IP 44 protection
- Class B motor insulation
- Safety auto reset Thermal Overload Protection

Models 150, 200, 250, 315, and 355

Fans feature single-phase induction asynchronous motors with permanent capacitor and external rotor constructed of die cast aluminum.

- Class I electrical insulation
- IP 44 protection
- Thermal Overload Protection
- Single-speed fully controllable motor (150, 200, 355)
- Direct 2-speed connection motors suitable for voltage control (250, 315)
- ABS plastic impeller blades (150, 200)
- Metal impeller blades (250, 315, 355)

Model	Nom. RPM	Volts	Max. Watts	Speed	CFM v Static Pressure (SP) Ins. WG .25	.375	.5	.75	1.0	Max. Speed	Max. Temp. (°F)	Weight (Lbs)	Duct Dia. (In)
TD 100	2516	120	26	–	57	–	–	–	–	.4	104	2	4
TD 150*	2289	120	65	–	250	227	206	131	35	1.15	140	4.4	6
TD 200*	2781	120	184	–	458	418	367	190	10	1.625	140	8.8	8
TD-250	2400	115	162	LS	418	355	295	218	170	2.03	140	19.8	10
	3200	115	241	HS	680	640	606	520	405	2.53	140	19.8	10
TD-315	2000	115	208	LS	545	420	285	190	130	1.62	140	30.9	12.4
	2500	115	335	HS	932	850	770	600	420	2.95	140	30.9	12.4
TD 355	1536	115	522	–	1935	1856	1777	1616	1326	1.1	140	43	14

*Energy Star qualified.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26646	TD-100 4" INLINE 100CFM MIXED FLOW DUCT FAN	—
1	EA	26647	TD-150 6" INLINE 293 CFM MIXED FLOW DUCT FAN	—
1	EA	26648	TD-200 8" INLINE 538 CFM MIXED FLOW DUCT FAN	—
1	EA	26639	TD-250 10" INLINE 754 CFM MIXED FLOW DUCT FAN	—
1	EA	26636	TD-315 12.4" INLINE 1050 CFM MIXED FLOW DUCT FAN	—
1	EA	26635	TD-355 14" INLINE 2090 CFM MIXED FLOW DUCT FAN	—

TD-SILENT In-Line Fans

For Round Duct



The TD-SILENT is manufactured in reinforced plastic. Sound waves are directed through the perforated inner skin and absorbed by a layer of sound insulation. Rubber gaskets on the inlet and outlet also help to absorb vibrations.

Models 150S and 200S feature single-phase induction asynchronous motors, with permanent capacitor and external rotor in die cast aluminum. Direct two-speed connections are included.

- Suitable for working airstreams up to 140° F
- Thermal overload protection
- Class B motor insulation
- "Sealed For Life" ball bearings
- Five year limited warranty
- UL listed
- Energy Star qualified

Model No.	Duct Dia. (In)	Nom. RPM	Volts	Max. Watts	Speed	CFM v Static Pressure (SP) in. W.C. 0"	0.125"	0.25"	0.375"	0.5"	0.75"	1.0"	Max. SP	Max Operating Temp. (° F)	Weight (Lbs)
TD-150S	6"	2200	120	55	LS	239	209	181	154	120	62	–	0.95	140	13.2
	6"	2700	120	65	HS	333	315	286	271	257	178	77	1.2	140	13.2
TD-200S	8"	2000	120	115	LS	409	367	333	306	271	183	46	1.2	140	19.2
	8"	2200	120	122	HS	530	503	472	443	415	349	204	1.2	140	19.2

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26637	TD-150S 6" INLINE 333 CFM SILENT MIXED FLOW DUCT FAN	—
1	EA	26638	TD-200S 8" INLINE 530 CFM SILENT MIXED FLOW DUCT FAN	—

Standard Exhaust Kit



KIT-TD100 Includes

- 1 TD100 exhaust fan
- 1 plastic round grill (PG-100)
- 1 exterior louvered grill (PER-100W)
- Integral mounting bracket

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26649	KIT-TD100 4" INLINE 101 CFM MIXED FLOW DUCT FAN KIT	—

Deluxe Exhaust Kit



KIT-TD150-DV Includes

- 1 TD150 exhaust fan
- 2 plastic round grills (PG-150)
- 1 exterior louvered grill (PER-150W)
- 1 Y-fitting (SY-6)
- Integral mounting bracket

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26650	KIT-TD150-DV 6" INLINE 293 CFM MIXED FLOW DELUXE FAN KIT	—

PCV80 Bathroom Fan



- Quite operation
- Built-in backdraft damper
- Strudy steel housing
- Duct connector: 4"
- ENERGY STAR® qualified
- 5-year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26657	PCV80 80 CFM 4" BATH FAN E-STAR	—

SWF Sidewall Fan Series



The SWF Series' outdoor rated exterior housing provides easy access from the outside of a building or dwelling. This makes the SWF a great solution for installations where attic space or easy indoor access is difficult and not suitable for traditional PV style in-line mounting. Designed for direct connection in-line with standard diameter round ducting.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26656	SWF-100 4" SIDEWALL CENTRIFUGAL FAN	—

Accessories


BOC-100


PG Series


CAR Series


2525.5 UL 5 AMP


EPBT-60


SPT-100X

PG Series Premium Grilles

PG-100: 4" plastic grille with 4" steel collar
PG-150: 6" plastic grille with 6" steel collar

CAR Series Backdraft Dampers

Backdraft dampers are designed with galvanized steel collars and have lightweight aluminum damper blades. They are spring loaded for positive closure.

Grilles

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26640	BOC-100 4" INTAKE GRILLE W/COLLAR	—
1	EA	26643	PG-100 4" INTAKE GRILL W/ STEEL COLLAR	—
1	EA	26644	PG-150 6" INTAKE GRILL W/ STEEL COLLAR	—

CAR Series Backdraft Dampers

1	EA	26651	CAR-100 4" STEEL BACKDRAFT DAMPER	—
1	EA	26652	CAR-150 6" STEEL BACKDRAFT DAMPER	—
1	EA	26653	CAR-200 8" STEEL BACKDRAFT DAMPER	—
1	EA	26654	CAR-250 10" STEEL BACKDRAFT DAMPER	—
1	EA	26655	CAR-315 12.4" STEEL BACKDRAFT DAMPER	—

Miscellaneous Controls

1	EA	26485	2525.5UL 5 AMP ROTARY SPEED CONTROL	—
1	EA	26645	EPBT-60 ELECTRONIC PUSH BUTTON TIMER	—
1	EA	26641	SPT-100X PRESSURE SWITCH	—

Clothes Dryer Exhaust Booster Kit



- V-100x in-line, centrifugal, duct boosting fan (142 cfm)
- Totally enclosed motor with fan mounting bracket
- Integrated air pressure sensing switch with electronic cycle timing board
- 5-year limited warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	26642	PV-100XPS PV-100X DRYER BOOSTER W/PRESS SWITCH	—	—

Dryer Duct and Vent


VC4


VF


VU4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	13643	SVHWP4 PLASTIC HOOD	—	—
1	EA	13652	SPC4A 4IN HOSE CLAMPS	—	—
1	EA	13642	SH350 3x50 WHITE VINYL DUCT	—	—
1	EA	13650	SH450 4X50 WHITE VINYL DUCT	—	—
1	EA	13649	SH420 4X20 WHITE VINYL DUCT	—	—
12	EA	13648	SVH4 4IN ALUM HOOD BULK	—	—

DBX1000 Plastic Dryer Vent Box



- For single- and multi-family residential construction*
- Knockouts for direct, down, and up venting and for gas pipe.
- White, high impact polystyrene.
- Snap on trim ring eliminates drywall repairs.
- Includes two straps to attach box to studs.
- UL recognized component.

* Metal box must be used in multi-family construction over 3 stories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	55720	DBX1000 2X4 DRYER BOX	—
10	EA	55721	DBX1000 2X6 DRYER BOX	—
10	EA	55723	DBX-2.001 PLASTIC TRIM RING	—

DB1000M Metal Dryer Vent Box



- Eliminates drywall and paint repairs
- Properly recess hose and increase airflow
- Eliminates kinked hose
- Reduces lint build-up
- Metal dryer vent box must be used in multi-familty construction over 3 stories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	55722	DBXMT METAL TRIM RING	—
10	EA	55725	DBX1000M 2X4 METAL DRYER BOX	—
10	EA	55726	DBX1000M 2X6 METAL DRYER BOX	—

Louvered Dryer Vent



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	13630	650-012 4IN WHITE DRYER VENT	—
12	EA	13631	650-023 4IN BROWN DRYER VENT	—
12	EA	13638	650-016 4IN WHITE ASSEMBLED LOUVERED VENT	—

BROAN 72W Variable Speed Control

For Whole House Ventilation Models 2230 and 2236



- Positive on/off action: infinitely adjustable air speed/sound level
- 120V, 6 amps
- Fits single-gang box
- Built-in radio noise suppressor
- White

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64048	72W VARIABLE SPEED CONTROL	

BROAN 345SOBK Attic Ventilator

Surface Mount, Solar Powered, Black



- 28-watt solar panel captures sunlight from dawn to dusk and efficiently converts it into electric power and provides 537 Maximum CFM
- 12" diameter, one-piece aluminum 5-blade fan is pitched for maximum air flow to keep the living area cooler, extend the life of the air conditioner, and save energy and money
- Compact base footprint means fewer shingles to cut for easier, faster installation
- Low profile, integrated design for an attractive, unobtrusive addition to your roof without the need for props or pivoting stands
- Rugged, tempered glass solar panel withstands large hail and won't delaminate
- Housing is a molded design of UV-stabilized, color-dyed, rugged ABS plastic that withstands hail and resists fading
- Housing frame features positive stops to "seat" the dome for fast, easy installation
- Direct-current, variable voltage motor is dynamically balanced for superior performance and silent operation
- Includes stainless steel fasteners and galvanized steel brackets for durability and corrosion resistance, and aluminum, heavy-gauge screen to keep out insects, animals or birds without impeding airflow

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64230	345SOBK SURFACE MOUNT BLACK SOLAR POWERED ATTIC VENTILATOR	

Ventamatic Whole House Fan



- Two-speed, direct-drive permanent split capacitor, electric motor is thermally protected for safety.
- Balanced, aluminum, four-blade fan assembly is attached directly to the shaft of the motor.
- Powder coated finish, steel venturi for enhanced durability.
- Newly designed, joist-in/joist-out shutter design.
- Pre-painted, universal automatic shutter has 95% plus air closure.
- Steel motor struts virtually eliminate vibration.
- Ten year, limited warranty on all parts.
- UL Listed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6-9	PC-3 10
1	EA	22507	CX 302DD-WT DD 29.5X32.25 RGH OPENING WHOLE HOUSE FAN WITH SHUTTER			

Ventamatic Gable Mount Power Attic Ventilator
and Automatic Gable Shutter



Model VX2515 Ventilator

- 60 Hz thermally protected motor
- Adjustable thermostat with built-in safety features
- Two year limited warranty



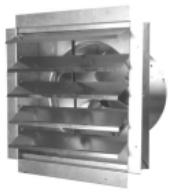
Model VX1818 Shutter

- For use with SVG-EE, VX2515, VX2516
- High impact, one-piece ABS Cycolac® frame
- Individually felt-padded .020-gauge aluminum louvers for quiet operation
- May be installed recessed or flush
- Two year limited warranty

Model No.	Mounting Style	Motor Amps	Volts	CFM	Fan Size (In.)	Attic Size (Sq. Ft.)	Intake Vent Area (Net Sq. In.)
VX2515	Gable	1.9	115	1,300	14	Up to 1,850	600

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6-9	PC-3 10
1	EA	22495	VX2515 1300 CFM GABLE MOUNT POWER VENT			
1	EA	22501	VX1818 GABLE MOUNT SHUTTER			

Ventamatic MaxxAir™ Heavy Duty Exhaust Fans

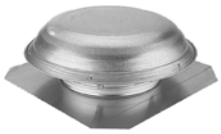


- PSC energy efficient thermally protected motors
- Flange has pre-drilled holes for easy installation
- Rolled flange edges for handling protection during installation
- Balanced 4-blade fan assembly totally enclosed for protection and OSHA compliance
- Integrated, precision-formed exterior shutters are draft-free
- Shutters open and close automatically
- Housing constructed of durable 20-gauge galvanized steel that won't rust
- Removable interior, OSHA compliant grille
- 1-year limited warranty

Model No.	Blade Diameter (In)	Motor Amps	Volts	CFM	Rough Opening	Intake Vent Area (Net Sq. In.)
IF14	14	2.65	120	1400	17-1/4 x 17-1/4	576
IF18	18	5.34	120	3000	20-3/4 x 20-3/4	936
IF24	24	4.35	120	4100	28-1/4 x 28-1/4	1152

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6-9	PC-3 10
1	EA	22513	IF14 14" 17.25 X 17.27 1400 CFM EXHAUST FAN			
1	EA	22514	IF18 18" 20.75 X 20.75 3000 CFM EXHAUST FAN			
1	EA	22515	IF24 24" 28.25 X 28.25 4100 CFM EXHAUST FAN			

Ventamatic Roof Mount Power Attic Ventilators



Model VX1000
- 60 Hz. motor.
- Adjustable thermostat with built-in safety features.
- Venturi construction: galvanized steel.
- Suitable for up to 8/12 roof pitch.
- Two-year limited warranty.

Model VX1000 Solar
- Included multi-crystal solar panel has 10 watt ouput, 25 ft power cord and 10-year limited warranty
- Thermostat not included

Model VX2414
- 60 Hz. motor.
- Adjustable thermostat with built-in safety features.
- Venturi construction: galvanized steel.
- Suitable for up to 8/12 roof pitch.
- Two-year limited warranty on all parts.

Model VXSVR
- 60 Hz. motor.
- Adjustable thermostat with built-in safety features.
- Venturi construction: galvanized steel.
- Suitable for up to 8/12 roof pitch.
- Limited five-year warranty.

Model No.	Mounting Style	Motor Amps	Volts	CFM	Fan Size (In.)	Attic Size (Sq. Ft.)	Intake Vent Area (Net Sq. In.)
VX1000	Roof	1.9	115	1,080	14	Up to 1,600	600
VX2414	Roof	3.4	115	1,200	14	Up to 1,700	600
VX SVR	Roof	5.1	115	1,600	14	Up to 2,400	600

Power Attic Ventilators

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6-9	PC-3 10
1	EA	22496	VX1000AM 1080 CFM MILL POWER VENT	—	—	—
1	EA	22510	VX1000SOLARM SOLAR ROOF MILL 1080 CFM POWER VENT	—	—	—
1	EA	22511	VX1000SOLARWG SOLAR ROOF GRAY 1080 CFM POWER VENT	—	—	—
1	EA	22497	VX2414AM 1200 CFM MILL POWER VENT	—	—	—
1	EA	22498	VX2414AMWG 1200 CFM WEATHERED GRAY POWER VENT	—	—	—
1	EA	22499	VXSVRAMWG 1600 CFM WEATHERED GRAY POWER VENT	—	—	—

Accessories and Replacement Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	22504	XE 401 VX2414 2515 3.4 AMP REPLACEMENT MOTOR	—
1	EA	22509	XE 404 2.1 AMP MOTOR	—
1	EA	22505	XE 406 VXSVR REPLACEMENT MOTOR	—
1	EA	22502	XX14 FBLD 14" FAN BLADE ASSEMBLY	—
1	EA	22500	XX DUO STAT HUMIDITY & TEMP CNTRL	—
1	EA	22503	XX FIRESTAT 415 ADJUSTABLE T-STAT	—
1	EA	22512	XXSOLARSTAT SOLAR SWITCH.	—

Ventamatic Wind Turbine Attic Ventilator



- Reduce attic temperatures by as much as 50° in a matter of minutes
- Premium internal bracing system engineered for high wind resistance
- Premium grade ujpper and lower stainless steel ball bearings with integrated molded shield to protect bearing raceway
- Premium aluminum construction for durability and long life
- Adjustable to 12/12 pitch
- Minimum of 432 sq in of intake ventilation required
- Limited lifetime warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	22506	CX121BALMIL TURBINE VENT MILL FINISH	—

LPD Centrifugal Roof/Sidewall Exhauster

Low Profile Direct Drive



Features

- Ultra low profile
- AMCA air and sound licensed
- UL 705 listed
- 5 year housing warranty
- Up to 140° airstream temperature
- Roof or sidewall mount

Construction

- Aluminum construction
- Stainless steel exterior fasteners
- Backward curved centrifugal wheel
- Aluminum birdscreen
- Conduit wiring chase
- Service disconnect switch
- Precision balanced to ISO Standard 1940

Motor

- Unique external rotor design
- Permanently lubricated bearings
- 3 year motor warranty
- Internal thermal protection
- 100% speed controllable
- Totally enclosed and continuous duty

Performance

Model No.	Max Motor Watts/Amps	RPM	SP@ 1/2"	CFM at Static Pressure in Inches (w.g)										
				0	1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4
LPD081	115/1.0	2775	11.9	387	358	331	303	275	245	222	178	138	98	6

Dimensions & Accessories

Model No.	Roof Opening	Damper O.D.	Damper Bercor	12" Mounting Curb O.D.	12" Mounting Curb Bercor	Curb O.D.	Speed Control Bercor	Ship Weight (Lbs)
LPD081	11-3/4	11	26472	11-3/4	26471	14-3/4	26473	15

NOTE: See page 2-24 for all S&P vent accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26460	LPD081AS LOW PRO DD R/W EXHAUSTER	—

DB Centrifugal Roof Exhauster

Downblast Belt Drive



Construction

- Heavy-gauge aluminum for extra strength with prepunched mounting hole
- Neoprene isolators for reduction of vibration and sound
- Cover easily removed for quick access to motor compartment
- Water tight conduit tube for easy electrical connection from below roof
- Aluminum birdscreen and disconnect are included on standard models
- Stainless steel exterior fasteners

Centrifugal Wheel

- All aluminum backward inclined wheel
- Nonoverloading for safe operation in ducted systems
- Statically and dynamically balanced for smooth operation

Drives

- Sized for minimum 150% of drive horsepower
- Machined cast iron adjustable motor pulleys
- Adjustable base for belt tensioning
- Nonstatic oil resistant v-belts

Motors

- Single speed open drip-proof are standard
- All motors are rated for continuous duty
- 182T and larger motors shipped unmounted for field installation
- Disconnect switch standard with single speed drip-proof motors

Bearings

- Heavy-duty ball bearing type
- Prelubricated and permanently sealed

Performance

Model No.	Motor HP	Max. BHP	RPM	SP @ 1/4"	CFM at Static Pressure in Inches (w.g.)								
					0	1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4
DB18	1	0.99	1165	21.0	4422	4276	4123	3957	3770	3570	3356	2824	—

Dimensions & Accessories

Model No.	Roof Opening	12" Mounting Curb O.D.	12" Mounting Curb Bercor	Damper O.D.	Damper Bercor	Ship Weight (Lbs)
DB18	24-3/4	27-3/4	26475	24	26477	160

NOTE: See page 2-21 for all S&P vent accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26454	DB18SH1S 1HP 115/208/(230) SP BD DNBLST R/W EXHAUSTER	

SDB Centrifugal Roof Exhauster

Downblast Belt Drive



Construction

- Heavy-gauge aluminum for extra strength with prepunched mounting hole
- Neoprene isolators for reduction of vibration and sound
- Cover easily removed for quick access to motor compartment
- Water tight conduit tube for easy electrical connection from below roof
- Aluminum birdscreen and disconnect are
- included on standard models
- Stainless steel exterior fasteners

Centrifugal Wheel

- All aluminum backward inclined wheel
- Nonoverloading for safe operation in ducted systems
- Dynamically balanced for smooth operation

Drives

- Sized for minimum 150% of drive horsepower
- Machined cast iron adjustable motor pulleys
- Adjustable base for belt tensioning
- Nonstatic oil resistant v-belts

Motors

- Single spreed open drip-proof are standard
- All motors are rated for continuous duty
- 182T and larger motors shipped unmounted
- for feild installation
- Disconnect weitch standard with single speed drip-proof motors

Bearings

- Heavy-duty ball bearing type
- Prelubricated and permanently sealed

Performance

Model No.	Motor HP	Max. BHP	RPM	SP@ 1/4	CFM at Static Pressure in Inches (w.g.)								
					0	1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4
SDB08	1/4	.26	1950	13.2	1051	1001	956	909	857	800	733	—	—
SDB10	1/3	.34	1750	14.8	1464	1411	1355	1294	1228	1158	1079	888	—
SDB12	1/2	.49	1750	16.0	1925	1860	1797	1731	1653	1569	1483	1296	1042
SDB14	1/2	.55	1400	15.9	2820	2714	2610	2504	2388	2255	2114	1714	—
SDB16	3/4	.78	1300	17.6	3707	3599	3482	3356	3228	3094	2952	2585	—
SDB18	1	1.1	1150	18.9	4590	4439	4295	4157	4008	3852	3709	3352	2797

Dimensions & Accessories

Model No.	Roof Opening	12" Mounting Curb O.D.	12" Mounting Curb Bercor	Damper O.D.	Damper Bercor	Ship Weight (Lbs)
SDBD8, 10	13-1/2	16-1/2	26407	12	26401	109
SDBD12	15-1/2	18-1/2	26409	14	26479	122
SDBD14	15-1/2	18-1/2	26409	14	26479	126
SDBD16	19-1/2	22-1/2	26411	18	26476	140
SDBD18	22-1/5	28-1/2	26498	24	26477	111

NOTE: See page 2-21 for all S&P vent accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26413	SDB08MH1S 1/4HP BD DNBLST R/W EXHAUSTER	
1	EA	26437	SDB10PH1S 1/3HP BD DNBLST R/W EXHAUSTER	
1	EA	26415	SDB12QH1S 1/2 HP BD DNBLST R/W EXHAUSTER	
1	EA	26417	SDB14QH1S 1/2HP BD DNBLST R/W EXHAUSTER	
1	EA	26419	SDB16RH1S 3/4HP 115/208/230 SP BD DNBLST R/W EXHAUSTER	
1	EA	26495	SDB18SH1S 1HP 115/208/(230) SP BD DNBLST R/W EXHAUSTER	

SDBD Centrifugal Roof Exhauster

Downblast Direct Drive



Construction

- Spun aluminum hood and skirt for weather protection and attractive appearance.
- Heavy-gauge motor support for rigidity and strength.
- Neoprene isolators for reduction of vibration and sound.
- Conduit passage for easy electrical connection from below roof.
- Aluminum birdscreen is standard.
- Stainless steel fasteners on exterior.

Motors

- Motors are single speed, speed controllable and drip proof.
- All motors are rated for continuous duty.
- Disconnect is standard.
- Motors ship mounted as standard.

Centrifugal Wheel

- All aluminum wheel.
- Backward-inclined for efficiency at higher static pressure.
- Non-overloading for safe operation in ducted systems.
- Curved blades for efficiency and quiet operation
- Dynamically balanced for smooth operation.

Performance

Model No.	Motor HP	Max. BHP	RPM	SP @ 1/4	CFM at Static Pressure in Inches (w.g.)								
					0	1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4
SDBD8	1/25	0.03	1150	5.7	610	527	420	—	—	—	—	—	—
SDBD8	1/4	0.14	1750	10.0	940	893	838	783	719	641	534	—	—
SDBD10	1/4	0.12	1150	7.5	982	896	792	666	470	—	—	—	—
SDBD12	1/4	0.16	1150	8.0	1281	1176	1050	909	719	312	—	—	—
SDBD12	1/2	0.41	1700	15.0	1902	1486	1565	1674	1592	1500	1401	1173	811

Dimensions & Accessories

Model No.	Roof Opening	12" Mounting Curb O.D.	12" Mounting Curb Bercor	Damper O.D.	Damper Bercor	Ship Weight (Lbs)
SDBD8	13-1/2	16-1/2	26407	12	26401	109
SDBD10	13-1/2	16-1/2	26407	12	26401	109
SDBD12	15-1/2	18-1/2	26409	14	26479	122

NOTE: See page 2-21 for all S&P vent accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26490	SDBD08HM1AS 1/25 HP DD DNBLST ROOF VENTILATOR	
1	EA	26491	SDBD08MH1AS 1/4 HP DD DNBLST ROOF VENTILATOR	
1	EA	26492	SDBD10MM1AS 1/4 HP DD DNBLST ROOF VENTILATOR	
1	EA	26493	SDBD12MM1AS 1/4 HP DD DNBLST ROOF VENTILATOR	
1	EA	26494	SDBD12QH1AS 1/2 HP DD DNBLST ROOF VENTILATOR	

STXD Centrifugal Roof/Sidewall Exhauster

Upblast Direct Drive, for General and Restaurant Applications



Construction

- Heavy-gauge aluminum for extra strength with prepounched mounting holes
- Stainless steel exterior fasteners
- Enclosed, ventilated motor compartment isolates motor from exhaust air
- Neoprene isolators for reduction of vibration and sound
- The motor compartment housing easily removes for complete maintenance access
- Water-tight conduit tube for easy electrical connection
- Mounted disconnect is included on standard models

Centrifugal Wheel

- Non-overloading backward inclined for safe operation in ducted systems
- Dynamically balanced for smooth operation

Speed Controllable Motors

- Standard motors are single speed, speed controllable and drip-proof
- All motors are rated for coninuous duty
- Disconnect is standard with single speed drip-proof motors
- Motors ship mounted as standard

Solid State Speed Control

Control is matched to the motor and blower wheel to allow continuous reduction in performance allowing adjustments of airflow for system balancing. CFM is reduced in direct proportion to motor speed reduction. Speed control is only available for 115 volt single phase. Exhauster performance can be controlled from the ventilated area

Performance

Model No.	Motor HP	Max. BHP	RPM	SP @ 1/8	CFM at Static Pressure in Inches (w.g)								
					0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1
STXD10	1/4	.12	1150	7.7	979	886	777	657	452	—	—	—	—
STXD12	1/4	.15	1150	8.5	1284	1155	1031	883	701	—	—	—	—
STXD12	1/2	.40	1700	15.3	1918	1831	1751	1665	1574	1485	1387	1282	1168

Dimensions & Accessories

Model No.	Roof Opening	12" Mounting Curb O.D.	12" Mounting Curb Bercor	Damper O.D.	Damper Bercor	Speed Control Bercor	Ship Weight (Lbs)
STXD10	13-1/2	16-1/2	26407	12	26401	26473	114
STXD12	15-1/2	18-1/2	26409	14	26479	26473 (For 1/4 HP) 26478 (For 1/2 HP)	118

NOTE: See page 2-21 for all S&P vent accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26431	STXD10RHULMM1AS 1/4HP DD UPBLAST R/W EXHAUSTER	
1	EA	26433	STXD12RHULMM1AS 1/4HP DD UPBLAST R/W EXHAUSTER	
1	EA	26435	STXD12RHULQH1AS 1/2HP DD UPBLAST ROOF EXHAUSTER	

STXB Centrifugal Roof Exhauster

Upblast Belt Drive, for General and Restaurant Applications



Construction

- Heavy-gauge aluminum housing with prepunched mounting holes
- Enclosed, ventilated motor/drive compartment isolates motor and drives from exhaust air
- The motor compartment housing easily removes for complete maintenance access
- Water-tight conduit tube for easy electrical connection
- External weather proof disconnect is included
- on standard models
- Stainless steel exterior fasteners

Centrifugal Wheel

- All aluminum backward inclined wheel
- Dynamically balanced for smooth operation
- Non-overloading for safe operation in ducted systems

Motors

- Single speed drip-proof motors are provided on standard models
- All motors are rated for continuous duty
- Disconnect switch is standard with single speed drip-proof motor

Drives

- Sized for min. 150% of drive horsepower
- Machined cast iron adjustable motor pulleys
- Adjustable base for belt tensioning
- Static resistant v-belts

Bearings

- Heavy-duty ball bearing type
- Prelubricated and permanently sealed

Performance

Model No.	Motor HP	Max. BHP	RPM	SP@ 1/4	CFM at Static Pressure in Inches (w.g.)						
					0	1/4	1/2	3/4	1"	1-1/4	1-1/2
STXB12	1/4	0.26	1450	11.8	1602	1417	1213	958	—	—	—
STXB15	1/2	0.5	1250	13.3	2878	2644	2383	2079	1641	—	—
STBX15	1	1.05	1600	21.0	3684	3510	3311	3107	2895	2638	2325
STBX18	1-1/2	1.57	1300	22.2	5189	5057	4925	4794	4664	4536	—
STBX20	1-1/2	1.59	1150	20.1	5796	5633	5474	5322	4992	4817	—

Dimensions & Accessories

Model No.	Roof Opening	12" Mounting Curb O.D.	12" Mounting Curb Bercor	Damper O.D.	Damper Bercor	Ship Weight (Lbs)
STXB12	15-1/2	18-1/2	26409	14	26479	136
STXB15	19-1/2	22-1/2	26411	18	26476	155
STXB18	22-1/5	28-1/2	26498	24	26477	187
STXB20	22-1/5	28-1/2	26498	24	26477	189

NOTE: See page 2-21 for all S&P vent accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26421	STXB12RHULMH1S 1/4HP BD UPBLST R/W EXHAUSTER	
1	EA	26425	STXB15RHULQH1S 1/2HP BD UPBLST ROOF EXHAUSTER	
1	EA	26427	STXB15RHULSH1S 1HP 115/230-1 PHASE BD UPBLST R/W EXHAUSTER	
1	EA	26429	STXB15RHULSH3S 1HP 230-3 PHASE BD UPBLST R/W EXHAUSTER	
1	EA	26496	STXB18RHULTH1S 1-1/2HP 115/208/230V BD UPBLST R/W EXHAUSTER	
1	EA	26497	STXB20RHULTH1S 1-1/2HP 115/208/230V BD UPBLST R/E EXHAUSTER	

CWD Centrifugal Sidewall Exhauster

Direct Drive



Construction

- Spun aluminum dome for weather protection and attractive appearance
- Ventilated motor compartment with motor out of air stream for long trouble-free service
- Dome easily removes for access to motor compartment
- Weather-tight construction with aluminum birdscreen
- Round duct connection provided at wheel inlet

Centrifugal Wheel

- Non-overloading backward inclined for safe operation in ducted systems
- Statically and dynamically balanced for smooth, quiet operation

Motors

- Speed controllable motors available on most models
- Single speed open drip-proof are standard
- Plug disconnect switch standard with single speed drip-proof motors

Solid State Speed Control

Control is matched to the motor and blower wheel to allow continuous reduction in performance allowing adjustments of airflow for system balancing. CFM is reduced in direct proportion to motor speed reduction. Speed control is only available for 115 volt single phase. Exhauster performance can be controlled from the ventilated area.

Performance

Model No.	Motor HP	Max. BHP	RPM	SP @ 1/8	CFM at Static Pressure in Inches (w.g.)								
					0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1
CWD12	1/4	0.26	1100	10.6	1583	1393	1195	995	813	618	410	193	—
CWD14	1/2	0.50	1080	15.7	2585	2454	2281	2040	1722	1433	1170	906	670

Dimensions & Accessories

Model No.	Damper O.D.	Damper Bercor	Speed Control Bercor	Ship Weight (Lbs)
CWD12	14x14	26479	26473	50
CWD14	18x18	26476	26478	84

NOTE: See page 2-21 for all S&P vent accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26468	CWD12MM1AS 1/4HP DD SIDEWALL EXHAUSTER	
1	EA	26469	CWD14QM1AS 1/2HP DD SIDEWALL EXHAUSTER	

LC Sidewall Propeller Fan

Belt Drive



Construction

- Heavy-gauge galvanized steel
- All welded motor and drive support frame assembly
- Prepunched mounting holes

Propeller

- Die formed galvanized steel blades
- Epoxy coated hub keyed to fan shaft
- Statically and dynamically balanced

Drives

- Sized for minimum 150% of drive horsepower
- Single belt adjustable pitch sheaves through 3 HP
- Nonstatic V-belts

Bearings

- Designed for minimum 200,000 hour life
- Bearings are sealed, prelubricated with relube fittings

Motors

- Open drip-proof construction is standard
- All motors mounted and factory run tested

Performance/Dimensions/Accessories

Model No.	Motor HP	Max. BHP	RPM	SP @ 0	CFM at Static Pressure in Inches (w.g.)				Shutter OD	Shutter Bercor	Ship Weight (Lbs)
					0	1/10	1/8	1/4			
LCE24	1/2	0.60	760	15.7	6753	6254	6112	5212	28-1/2	26480	90
LCE30	3/4	0.90	650	17.1	10638	9853	9594	8198	34-1/2	26470	100

NOTE: See below for all S&P vent accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26442	LCE24QH1S 1/2HP W/WHPLCE24 CABINET EXHAUST FAN	
1	EA	26444	LCE30RH1S 3/4HP 115/208/230 S W/WHPLCE30 CABINET EXHAUST FAN	

Ventilation Accessories

Speed Controls

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26473	2727.1 115V-1/3 HP SPEED CONTROL	
1	EA	26478	2828.1 115V 1/2HP SPEED CONTROL	

Gravity Dampers

1	EA	26472	411011 11" OD GRAVITY DAMPER	
1	EA	26401	411012 12" OD GRAVITY DAMPER	
1	EA	26479	411014 14" X 14" OD GRAVITY DAMPER	
1	EA	26476	411018 18" OD GRAVITY DAMPER	
1	EA	26477	411024 24" OD GRAVITY DAMPER	

Roof Curbs

1	EA	26471	611214 12" HIGH X 14-3/4OD ROOF CURB	
1	EA	26474	611222 12"HIGH X 22-1/4 OD ROOF CURB	
1	EA	26475	611227 12"HX27-3/4OD ROOF CURB	
1	EA	26407	711216 12" HIGH ROOF CURB	
1	EA	26409	711218 12" HIGH ROOF CURB	
1	EA	26411	711222 12" HIGH ROOF CURB	
1	EA	26498	711228 12" HIGH ROOF MOUNTING CURB	

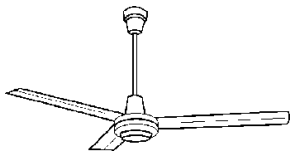
Adaptors

1	EA	26488	400555 WALL MOUNT ADAPTOR FOR STX B/D 6-10	
1	EA	26489	400557 WALL MOUNT ADAPTOR FOR STX B/D 12-14	
1	EA	26405	CCA1824 12 CURB CAP ADAPTOR	

Grease Box for (S)TXB 8–16

1	EA	26483	90005891-A GREASE BOX FOR TXB 8 - 16	

Leading Edge Industrial Fans



- Engineered and designed for spacious applications where maximum area area coverage is required.
- Designed for both winter heat destratification and summertime cooling.
- Powerful, heavy-duty motor for mounting heights to 45 feet.
- Designed for general applications for above average area coverage and cooling velocity. Ideally suited for factories, gymnasiums, high bay storage facilities.
- 3 year limited parts warranty.
- U.L. listed.

Specification	Value
Sweep or Blade Dia. (In.)	56
Number of Poles	18
Design Voltage	120
Frequency	60
Watts at Full Speed	94
Watts at Low Speed	37
RPMs at Full Speed	265
RPMs at Low Speed	100
Amps at Full Speed	.9
Amps at Low Speed	.34
Air Deliver at Full Speed	21,000
Air Velocity (Ft./Min.)	625
Area Coverage (Sq. Ft.)	250

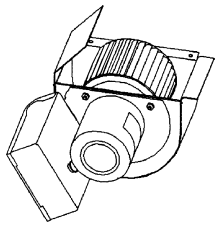
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64050	56201 CPF56 5621-1 COMMERCIAL CEILING FAN	
1	EA	64052	12003 3 AMP 120VOLT SOLID STATE CONTROL	

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TJERNLUND

DB-2 Booster

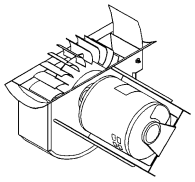


Suitable for temperatures up to 200°. Can be installed at or near top of pipe for quick response to temperature change.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	53943	DB-2 DUCT BOOSTER LESS STAT	
1	EA	53944	PS1503 DUCT AIRSTAT POS PRESS AIR SWITCH	

TJERNLUND

In Line Auto-Draft® Inducers



Model DJ-3
- 1/20 HP, 115V
- 3" to 6" smokepipe size

Model D-3
- 1/20 HP, 115V
- 5" to 8" vent or smokepipe

Model I
- 1/4 HP, 115V
- 8" to 12" smokepipe size

Model IL
- 1/4 HP, 115V
- 9" to 18" smokepipe size

Model XL
- 3/4 HP, 115/230V
- 16" to 24" smokepipe size

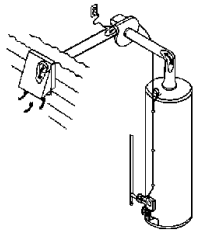
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	53950	D-3 DRAFT INDUCER	
1	EA	53951	DJ-3 DRAFT INDUCER	
1	EA	53952	I DRAFT INDUCER	
1	EA	53953	IL DRAFT INDUCER	
1	EA	53957	XL DRAFT INDUCER	

Accessories

1	EA	53925	UC1 24/115 UNVERSAL INTERLOCK CONTROL	
1	EA	53929	MAC1E 24/115 MULTIPLE APPLIANCE CONTROL	
1	EA	53954	PS2501 PRESS.STAT ADJ DIFF AIRSWITCH	
1	EA	53955	PS-1505 FAN PROVING SWITCH	
1	EA	53958	950-3022 MOTOR FOR D-3	
1	EA	53971	950-1067 VAC TIMER/RELAY	
1	EA	53974	950-1040 VAC RELAY	

TJERNLUND

VP-2 and VP-3 Water Heater Vent Packages



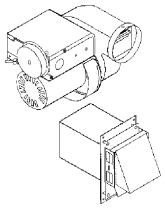
A universal power vent kit for any water heater from 60,000 to 120,000 BTU input. Three inch connection on all components. The 24 volt solenoid assures 100% shutoff in event of power failure. A gas diaphragm switch with tubing connection turns venter on and off with gas flow to the heater. Pipe and elbow not included. Vents up to 75 feet from heater to wall. Unit includes post purge timer to keep venter operating after cycle to rid system of residual gases.

For Use With Water Heaters	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Up to 60,000 BTU	1	PKG	53946	VP-2F WATER HEATER VENT PKG	
Up to 120,000 BTU	1	PKG	53945	VP-3F WATER HEATER VENT PKG	

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	53967	950-2070 SPILL SWITCH KIT	
1	PKG	53970	WHKE WATER HEATER CONTROL INTERLOCK	

GPAK Vent System



The GPAK wall vent systems are AGA design certified alternatives to high temperature plastic vent pipe. They include a power venter with operating controls and zero clearance through the wall vent hood. By adding a barometric draft control it can be used to side wall vent 80+ fan assisted and gas furnaces.

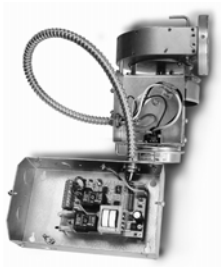
GPAK Kits

For Use with Water Heaters	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Up to 250,000 BTU	1	EA	53935	GPAK-1T CAP KIT	
Up to 120,000 BTU	1	EA	53959	GPAK-JT CAP KIT	

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	53936	DC-4 4" SINGLE ACTING BAROMETRIC DRAFT CONTROL	

Side Wall Power Venters



HS Series with UC1 Control

The heart of the Tjernlund Sidewall Vent Systems. Six models from 50,000 to 1,200,000 BTUs. Eliminates the need for costly vertical chimneys, while increasing appliance efficiency. Integral fan proving switch provides maximum safety.

- Built-in 24/115V relay.
- Premounted diaphragm proving switch.
- Factory wired relay and proving switch.
- Vibration isolation mount.

UC1 Control Features

- Adjustable pre- and post-purge.
- LED status/diagnostic indicators.
- Prover switch delay to avoid burner start up and wind induced short cycling.
- Interlocks with any 24-120 VAC burner control circuit.
- Includes "dry" contact actuation option.

Power Venters and Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	53926	HS1 POWER VENTER W/UC1 CONTROL	
1	EA	53928	HS2 POWER VENTER W/UC1 CONTROL	
1	EA	53939	HS-3 POWER VENTER W/UC1 CONTROLLER	
1	EA	53924	HS4 POWER VENTOR W/UC1 CONTROL	
1	EA	53927	HSJ POWER VENTER W/UC1 CONTROL	
1	EA	53963	950-1020 MOTOR FOR HSJ & HS1	
1	EA	53964	950-1021 MOTOR FOR HS-2	

Vent Hoods

Hood Height (In.)	Tube Length (In.)	Pipe Dia. (In.)	Rough-In Dimension (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
13	7-1/8	4	8	1	EA	53941	VH-1-4 4 IN VENT HOOD	
12	7-7/8	6-1/2	9	1	EA	53942	VH-1-6 6 IN VENT HOOD	
18-3/8	15-1/4	8	8-1/2	1	EA	53949	VH1-8 8 IN VENT HOOD	

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TJERNLUND Choosing the Correct Power Venter

Power Venters Selection Example

Given:
Unit Input = 150,000 BTU/Hr.
Pipe Length = 15 Ft.
Pipe Diameter = 4 In.*
Pipe Fittings Required = (1) 90° Elbow.
Anticipated Flue Gas Temp. = 400° F.
Solution:
Step 1. Calculate equivalent pipe length.
Pipe length to sidewall = 15 Ft.
90° elbow equivalent pipe length = 10 Ft.
Total = 25 Ft.
Step 2. Enter table at appropriate input and pipe diameter. Read horizontal pipe length under appropriate stack temperature column. For the above example, the Maximum Horizontal Pipe Length is 60 Ft. for the HSUL-1.
Step 3. Compare the calculated pipe length with the maximum Horizontal Pipe Length as found in the table. The Maximum Horizontal Pipe Length must be greater or equal to the pipe length calculated in Step 1. The proper power venter for the given conditions is HSUL-1.
Useful Conversion Factors
90° elbow = 10 Ft. vent pipe
45° elbow = 5 Ft. vent pipe

Pipe Dia. (In.)	BTU/Hr Input	Stack Temperature	
		300°F	400°F
		Max. Horizontal Length Pipe (Ft.)	
Model HSJ		**Gas Fired**	**Oil Fired**
4	25,000-100,000	100	100
Model HSUL-1 and HS1			
4	150,000	100	60
4	200,000	87	57
4	250,000	40	12
4	300,000	4	—
6*	150,000	100	100
6*	200,000	100	100
6*	250,000	100	92
6*	300,000	30	—
Model HS2			
6	350,000	100	100
6	400,000	100	100
6	450,000	100	100
6	500,000	100	100
6	550,000	100	—
6	600,000	67	—
Model HS3			
8	450,000	100	100
8	500,000	100	100
8	600,000	100	100
8	700,000	7	100
Model HS-4			
8	700,000	100	100
8	800,000	100	100
8	900,000	100	100

* The HS Side Wall Power Venters often allow for a reduction in vent pipe diameter from what is required for conventional venting.

Field Draft Controls



Field Type MG1 Draft Control

Double-acting design for smaller-rated gas-fired furnaces and boilers; widely used in conversion burner installations to meet special, high-draft requirements. Opens outward to relieve downdrafts; opens inward to regulate updrafts.



Field Type M-MG2 Draft Control

A new three-fuel control in sizes 10"through 32", for gas, oil, wood, and coal fired commercial and industrial heating plants.



Field Type RC Control

Calibrated draft control in sizes 6"through 9"for 5"through 10"flues. Features extreme capacity and reversible wing flap on gate for precise application to either vertical, horizontal, or sloping flues. For oil, wood, and coal.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	53898	MG1 6 IN FIELD CONTROL	
12	EA	53899	MG1 7 IN FIELD CONTROL	
12	EA	53900	MG1 8 IN FIELD CONTROL	
1	EA	53901	M-MG2 10 IN FIELD CONTROL	
1	EA	53902	M-MG2 12 IN FIELD CONTROL	
1	EA	53904	M-MG2 14 IN FIELD CONTROL	
1	EA	53907	M-MG2 20 IN FIELD CONTROL	
12	EA	53873	RC 6 IN FIELD CONTROL	
12	EA	53874	RC 7 IN FIELD CONTROL	
12	EA	53875	RC 8 IN FIELD CONTROL	
12	EA	53876	RC 9 IN FIELD CONTROL	

Evenair Air Boosters

120 Volt Motor



AB-2

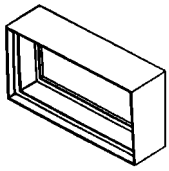


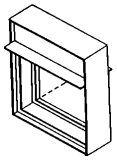
AB-6

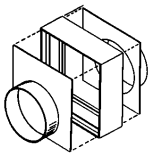
Evenair Air Boosters can be wired in parallel with the furnace blower. AB-6 fan fits into 6" pipe or flex duct. AB-2 will fit a 6" pipe also by cutting out the bottom of pipe and pop riveting fan in place.

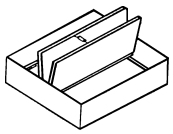
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	53933	AB-2 EVENAIR BOOSTER FAN	
1	EA	53934	AB-6 BOOSTER FAN	
1	EA	53965	AB-8 BOOSTER FAN	

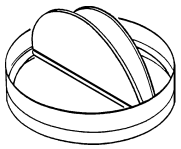
Louvers and Dampers

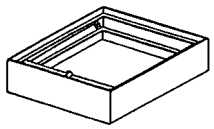

Type A Fire

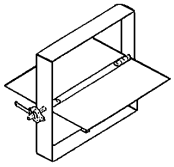

Type B

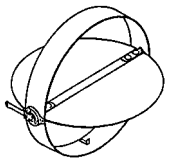

Type C

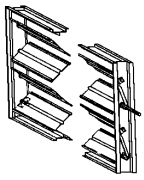

Square Bladed-Type

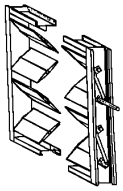

Round Bladed-Type

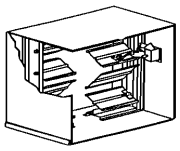

Fabric Type

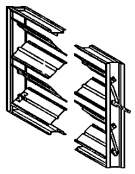

Square Balancing

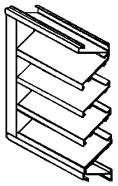

Round Balancing

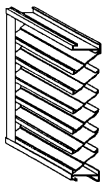

V-Bladed Control

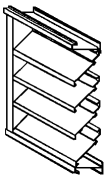

Airfoil Damper

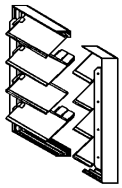

Fire/Smoke

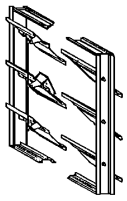

Smoke Only

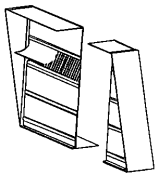

Weatherproof


Drainable Louver


Stormproof


Shutter Backdraft


Relief Backdraft


Fabric Shutter

Curtain Type Fire Dampers

U.L. classified for 1-1/2 hour protection. They are suitable for installation in 2 hour walls, partitions, and floors. Similar units are available with a 3 hour classification that are suitable for installation in 4 hour walls, partitions, and floors. Units can be mounted either vertically or horizontally. Horizontal units are spring loaded.

Ceiling Radiation Dampers

Square or round bladed dampers have a 3 hour rating. Fabric dampers have a 1 to 4 hour rating depending upon size. Also available with 1 or 2 round collar transitions and a narrow frame style. Sizes from 4 x 4 to 24 x 24. Center pivot blade type units are available with an air volume controller that eliminates the necessity of a control or balancing damper. U.L. Listed.

Balancing Dampers

These economical units come complete with a manual quadrant. They can also be manufactured in galvanized, stainless, or aluminum. Stand off plates are available for insulated duct. All units are single blade construction.

Control Dampers

Available as either opposed blade or parallel blade units. Blade and side seals are optional. Manual locking quadrants, electric motors, or pneumatic operators available. Stainless or aluminum construction optional. Airfoil blade designs are available in a fully extruded unit or a formed galvanized unit.

Leakage Rated Dampers

Units may be operated by an electric or pneumatic operator. Fire/smoke dampers must be mounted in the wall and contain a fusible link for elevated temperature fail safe closure. The smoke damper must be mounted within 22 inches of a barrier and can be actuated by a wired signal from a smoke detector to the damper operator. Both units are standard with blade and side seals. These dampers are available as Class I or Class II leakage rating. U.L. listed.

Louvers

Louvers are fabricated from extruded aluminum. Available in stormproof, weatherproof, and drainable blade designs. All units are tested in accordance with AMCA standards for air performance and water penetration. Similar models are available in galvanized steel. Standard frame depths are 4" and 6". A variety of screens are available, as well as a number of finishes, including baked enamel, anodized, and kynar.

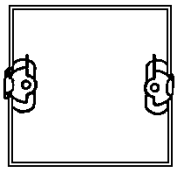
Back Draft Dampers

These dampers can be mounted vertically or horizontally. Units can be furnished with or without counter balancing. Some units may also be motorized. These dampers can be manufactured with galvanized steel, stainless steel, or aluminum.

Ask your G. W. Berkheimer representative for specifications and ordering information.

Access Door

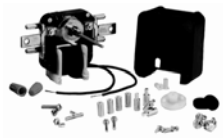
1/2" Double Cam



The duct access door is available with a double cam lock. The door allows access to the duct for cleaning or servicing dampers. Also available in see-through models.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
100	EA	30970	165LINK 165 DEG FUSIBLE LINK	—
100	EA	30972	212LINK 212 DEG FUSIBLE LINK	—

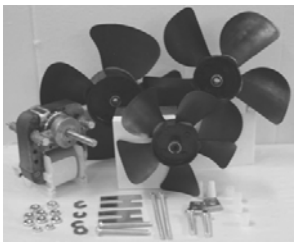
SM-999 Universal Motor Kit



- Reversible rotation.
- Prefastened multi-fit break-off mounting bracket.
- Easy to use, fewer parts to assemble than competitive motors.
- "Break-off" shaft.
- Volts: 120 Volt, 3000 RPM.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94470	SM-999 UNIV MOTOR KIT	—

Motor Kits



H-Bracket Mounting System

This patented mounting system comes with all of these Acme motor kits. Acme H-Brackets make it possible to replace hundreds of standard units as well as 3.3", 3.5", and 4" round motors.

Reversible Evaporator Fan Motor Kits

Model No.	HP	Motor Type (In.)	RPM	Volts	Amps	Fan Blades (In.)
Acme 700™	1/100	5/8 Reversible	3000	115	35	4 and 5-1/2
Acme 702™	1/100	5/8 Reversible	3000	230	35	4 and 5-1/2
Acme 710™	1/100	5/8 Reversible	3000	115	.45	5-1/2
Acme 750™	1/45	1-1/8 Reversible Stack	3000	115	885	Shaft adapter to fit 3/16, 1/4, and 5/16 bores and hubless blades
Acme 7502™	1/45	1-1/8 Reversible Stack	3000	115/230	885/445	Shaft adapter to fit 3/16, 1/4, and 5/16 bores and hubless blades

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95870	700 115 VOLT REVERSIBLE REPLACEMENT KIT	—
6	EA	95871	702 230 VOLT REVERSIBLE REPLACEMENT KIT	—
1	EA	95872	710 115 VOLT REVERSIBLE REPLACEMENT KIT	—
1	EA	95873	750 115 VOLT-1/45 HORSEPOWER REVERSIBLE REPLACEMENT KIT	—
6	EA	95874	7502 115/230 VOLT-1/45 HP REVERSIBLE REPLACEMENT KIT	—

EMERSON Climate Technologies

Unit Bearing Fan

Shaded Pole, Totally Enclosed



- Permanently lubricated bearings
- Individually boxed
- Impedence protected
- Suitable for all angle operation
- 30 inch cord with molded strain relief
- Includes vibration dampener, hub washer, speed nut and four mounting screws

Watts	Volts	Amps	RPM	BERCOR NUMBER	STD PKG	U/M	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
4	115	.3	1550	99580	1	EA	2115 4 WATT 115V CWLE UNIT BEARING FAN MOTOR			
6	115	.4	1550	99616	1	EA	2116 6 WATT 115V CCWLE UNIT BEARING FAN MOTOR			
6	115	.4	1550	99562	1	EA	2117 6 WATT 115V CWLE UNIT BEARING FAN MOTOR			
9	115	.6	1550	99567	1	EA	2108 9 WATT 115V CWLE UNIT BEARING FAN MOTOR			
9	115	.6	1550	99569	1	EA	2118 9 WATT 115V CCWLE UNIT BEARING FAN MOTOR			
9	230	.3	1550	99622	1	EA	2109 9 WATT 230V CCWLE UNIT BEARING FAN MOTOR			
16	115	1.0	1550	99627	1	EA	2112 16 WATT 115V CWLE UNIT BEARING FAN MOTOR			
16	230	.5	1550	99628	1	EA	2114 16 WATT 230V CWLE UNIT BEARING FAN MOTOR			
50	230	.9	1550	99258	1	EA	2135 50 WATT 230V CWLE UNIT BEARING FAN MOTOR			

US MOTORS

RESCUE EcoTech

ECM Refrigeration Motors



- High efficiency: up to 65%
- Universal drop-in replacement
- IP66: Dust tight with all angle moisture protection
- Suitable for use in evaporator and condenser applications
- Universal mounting
- Standard 3 hole style/ Hussman 4 hole on back of motor
- Double pedestal
- Thermally protected
- Robust ball bearing system
- Aluminun frame
- Standard shaft size: 1/4-20 thread

Model No.	Watts	Volts	Amps	RPM	Shaft Rotation	Shaft Diameter
EC5411	4–25	115	.2–.75	1550–1725	CWOSE	0.25
EC5412	4–25	115	.2–.75	1550–1725	CCWOSE	0.25

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	99308	EC5411E 4-25W RESCUE ECM WATT MOTOR EC5411			
1	EA	99309	EC5412E 4-25W RESCUE ECM WATT MOTOR			

Azure Digi-Motor— Evaporator Fan Motor

3.3" Commercial Refrigeration



- Temperature Operating Range: -40° to 131°F
- Multi horsepower, self adjusting from 1/15 to 1/25 HP
- 1 or 2 speed operation (1550/800 RPM)
- Reversible rotation
- Auto voltage select (115/230V)
- High efficiency ECM technology
- No capacitor required
- UL recognized

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	94464	10850 1/15-1/25HP DIRECT DRIVE AZURE 3.3COM MOTOR 2 SPEED REV			

Evaporator/Condenser Watt Motors



- Ouput 4-12 watts
- Speed regulated within +/- 6%
- 51 frame unit bearing motor; cast aluminum frame
- Universal 5 hole mount
- ~66% peak efficiency
- 1 discrete speed
- 1/4"–20 threaded shaft
- Side pedestal mounting feet (2 set standard)
- 3.3"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99643	00650 4-12 WATTS 115VOLT CW EVAP/CONDENSER-MORRILL MOTOR	
1	EA	99644	00651 4-12 WATTS 230VOLT CW EVAP/CONDENSER-MORRILL MOTOR	

Evaporator Nominal Motors



- 1550 RPM
- Universal "drop-in" replacement for walk-in evaporator
- Totally enclosed, non-vented
- Shaft water slinger
- Standard thru-bolt configurations
- All angle mount
- Power cord with Lyall Plug
- Automatic torque variation, constant speed
- Low temp (-20° F) lubrication system
- 50/60 Hz
- 1 discrete speed
- Ball bearing thermally protected
- 3.3"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99647	05105 1/15 NOM HP 115VOLT CCW EVAPORATOR-MORRILL MOTOR	
1	EA	99648	05205 1/15 NOM HP 208-230V CCW EVAPORATOR-MORRILL MOTOR	
1	EA	99650	05204 1/15 NOM HP 208-230V CW EVAPORATOR-MORRILL MOTOR	

Universal PSC Motor



- Replaces 12 motor ratings
- Reversible
- Dual voltage
- High efficiency
- 3.3"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99651	D1127 1/12 THRU 1/20 MULTI-HP FASCO MOTOR	

OEM Direct Replacement Motors

3.3" Diameter, Shaded Pole and PSC



- Two or four 8-32 x 3/4" stud extensions at each end
- Sleeve bearings have all angle thrust system
- Automatic reset thermal overload protection
- 12" leads

Capacitor Not Included

HP	Volts	Amps	RPM	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/20	115	—	1550	1	EA	99720	9632 1550DD 115V 1/20HP 3.3" FAN & BLOWER MOTOR			
1/20	208/230	1.8	1800	1	EA	99778	9656 1/15 HP 208-230V CCW/CW REFRIGERATION MOTOR (LARKIN)			
1/20	115	1.9	1800	1	EA	99777	9662 1/20 HP 115V CCW/REV REFRIGERATION MOTOR(BOHN)			
1/12–1/20	115/230	1.3/0.7	1550	1	EA	99781	9664 1/12-1/20HP 115/230V CCW/REV.REFRIGERATION MOTOR			

Refrigeration Condenser Cooling Fan Motors

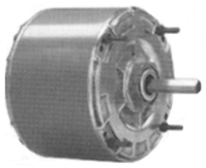


- OEM direct replacement
- Single speed
- Automatic reset thermal overload protector
- Suitable for use with 370V capacitors

Model No.	HP	Volts	Amps	RPM	Bearings	Mount	Notes	OEM
5.6" Permanent Split Capacitor								
8330	1/4	230	1.9	1350	SAB	3 Lugs	Capacitor Included, 50/60 Hz, Open Dripproof, Shaft Down	Tecumseh
644	1/2	208/230	2.7	1725	Ball	Stud	Conduit Box Open Dripproof	Hussmann

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	99278	8330 1625/1 1/4HP 230V 5.6" REFRIGERATION CONDENSER MOTOR			
1	EA	99579	644 1725/1 230V 1/2HP 5.6" REFRIGERATION CONDENSER MOTOR			

OEM Replacement Motor for Copeland



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99760	588 1/3 HP 208/230V OEM REPL MOTOR	

Copeland brand products Refrigeration OEM Motors and Fan Blades

Motors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96852	050-0319-01 MOTOR-FAN	
1	EA	96680	950-0108-00 1/3 HP 208/230 VOLT FAN MOTORS	
1	EA	96681	950-0234-00 1/3 HP 208/230 VOLT FAN MOTORS	
1	EA	96865	950-0266-05 1/4 HP 460 VOLT FAN MOTOR	
1	EA	96686	950-0248-00 1/2 HP 208/230 VOLT FAN MOTORS	
1	EA	96687	950-0250-00 1/4 HP 208/230 VOLT FAN MOTORS	
1	EA	96864	950-0251-01 1/6 HP 460 VOLT FAN MOTOR	
1	EA	96689	950-0264-01 50 WATT 208/230 VOLT FAN MOTORS	
1	EA	96690	950-0265-00 1/6 HP 208/230 VOLT FAN MOTORS	
1	EA	96824	950-0265-01 1/6 HP 460-1 FAN MOTORS	
1	EA	96691	950-0266-04 1/4 HP 208/230 VOLT FAN MOTORS	
1	EA	96683	950-0344-00 50 WATT 208/230 VOLT FAN MOTORS	
1	EA	96684	950-0344-01 50 WATT 115 VOLT FAN MOTORS	
1	EA	96866	950-0344-03 50 WATT 460 VOLT FAN MOTOR	
1	EA	96682	950-0500-00 1/6 HP 208/230 VOLT FAN MOTORS	
1	EA	96688	998-0251-00 1/6 HP 208/230 VOLT FAN MOTORS	
1	EA	96692	998-0550-00 230 VOLT FAN MOTORS	
1	EA	96693	998-0550-01 460 VOLT FAN MOTORS	
1	EA	96694	998-0550-04 460 VOLT FAN MOTORS	

Fan Blades

1	EA	96695	083-0019-00 8-3/4" DIA 1/4" 23 DEG CW 3 BLADE FAN BLADE	
1	EA	96697	083-0103-02 14" DIA 1/2" 22 DEG CW 3 BLADE FAN BLADE	
1	EA	96698	083-0118-00 11" DIA 3/8" 30 DEG CW 5 BLADE FAN	
1	EA	96699	083-0122-00 8" DIA 1/4" 30 DEG CW 5 BLADE FAN	
1	EA	96832	083-0130-00 10" DIA 1/4" 20 DEG CW 5 BLADE FAN BLADE	
1	EA	96696	983-0160-00 11-3/8" DIA 3/4" 32 DEG CW 3 BLADE FAN	

InterLINK Commercial Refrigeration Parts Refrigeration Motors and Fan Blades

Motors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	98027	5021SS 1/150HP 120V 3000RPM CWSE MOTOR	
1	EA	98021	038688900 1/20HP 230V 1550RPM CW MOTOR	
1	EA	98015	7071061 1/15HP 230V 1550RPM CCWSE MOTOR	
1	EA	98017	25309101S 1/15HP 230V 1550RPM CCWSE MOTOR	
1	EA	98031	25309001S 1/3 HP 230V 1075RPM CCWSE MOTOR	
1	EA	98025	2531194 40MHP 115V 1550RPM CCWSE MOTOR	

PSC Motors

1	EA	98032	25309501S 1/20 115V 1550RPM CWSE PSC MOTOR	
1	EA	98033	25309801S 1/15HP 230V 1650RPM CWSE PSC MOTOR	
1	EA	98034	5036NS 1/15HP 115V 1550RPM CWSE PSC MOTOR	
1	EA	98035	5036PS 1/15HP 230V 1550RPM CWSE PSC MOTOR	

Fan Blades

1	EA	98005	5101B 5.5IN 24DEG CCW FAN BLADE	
1	EA	98004	5110E 12IN 24DEG CCW FAN BLADE	
1	EA	98003	5140C 12IN 23DEG CW FAN BLADE	
1	EA	98002	026215300 10IN 40DEG 5/16 CCW FAN BLADE	
1	EA	98011	D21194A2 12IN 19DEG CW FAN BLADE	

Aluminum Fan Blades for Walk-in Boxes



These 8", 10", and 12" fan blades will replace Bohn, Singer, and Hill.

Shaft Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5/16	1	EA	93882	30805 8 INCH ALUMINUM FAN BLADE CLOCKWISE	—
5/16	12	EA	93884	31005 10 INCH ALUMINUM FAN BLADE CLOCKWISE	—
5/16	12	EA	93885	31015 10 INCH ALUMINUM FAN BLADE COUNTER CLOCKWISE	—
5/16	12	EA	93886	31205 12 INCH ALUMINUM FAN BLADE CW 5/16 HUB	—

GE/US Motors Cross Reference

Description	GE No.	US Motors No.	Bercor No.
Multi HP Direct Drive 115V	3463	5460	99540
Multi HP Direct Drive 230V	3464	5461	99537
1/4 HP Direct Drive 115V	3583	1863	99509
1/4 HP Direct Drive 230V	3584	1971	99518
1/3 HP Direct Drive 115V	3585	1864	99510
1/3 HP Direct Drive 230V	3586	1972	99519
1/2 HP Direct Drive 115V	3587	1865	99511
1/2 HP Direct Drive 230V	3588	1973	99520
3/4 HP Direct Drive 115V	3589	8904	99514
3/4 HP Direct Drive 230V	3590	8905	99524
1/4 HP Belt Drive 115V	4701	8000	99515
1/3 HP Belt Drive 115V	4706	8100	99516
1/2 HP Belt Drive 115V	4708	8200	99517
Multi HP Cond Fan Tot Enc	3465	5462	99541
1/4 HP Cond Fan Tot Enc	3728	1860	99654
1/3 HP Cond Fan Tot Enc	3729	1861	99655
1/2 HP Cond Fan Tot Enc	3730	1862	99656
3/4 HP Cond Fan Tot Enc	3731	1868	99662

OEM Replacement ECM Blower Motors

Universal, High-Efficiency, Constant Torque

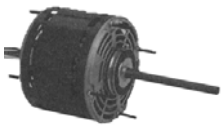


- Programmed torque values set to match OEM performance
- Uses equipment's existing connections for ease of installation
- Smooth, quiet start-up and speed changes
- Potted electric module for superior moisture protection
- 600 V surge protection
- Quiet operation
- Reversible rotation
- Ball bearings
- High efficiency design

HP	Volts	Amps	RPM/ Speeds	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
3/4	115	9.3	1050/Var	1	EA	99452	6640RS 115V 3/4HP ECM RESCUE SELECT MOTOR	—	—	—
1	115	10.6	1050/Var	1	EA	99454	6650RS 115V 1HP ECM RESCUE SELECT MOTOR	—	—	—

3- & 4-Speed, PSC, Direct Drive, Fan and Blower Motors

5.0" Diameter, Open, Single Shaft



- Continouos duty, air over
- Sleeve bearing has all angle thrust system
- Designed for use with 370V capacitors
- 24" line leads unless otherwise noted
- Automatic reset thermal overload protector
- Reversible

Capacitor Not Included

HP	Volts	Amps	RPM/ Speeds	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/5	115	3.4	1075/4	4.0	1	EA	99653	1268 1075/4DD 115V 1/5HP 5" FAN & BLOWER MOTOR REVERSIBLE	—	—	—
1/4	115	2.8	1050/3	7.5	1	EA	99502	1390 1050/3DD 115V 1/4HP 5" FAN & BLOWER MOTOR REVERSIBLE	—	—	—
1/4	208/230	1.5	1050/3	7.5	1	EA	99504	1391 1050/3DD 230V 1/4HP 5" FAN & BLOWER MOTOR REVERSIBLE	—	—	—

3-Speed, PSC Direct Drive, Fan and Blower Motors

5" Diameter, Single-Shaft, Open Air Over



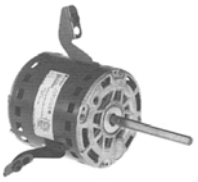
- Reversible rotation
- Automatic thermal overload protection
- 4" shaft length
- Sleeve bearings have all angle thrust system
- Designed for use with 370 volt capacitor
- Continuous duty air over

Capacitor Not Included

HP	Volts	Amps	RPM/ Speeds	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/3	115	3.8	1075/3	15	1	EA	99529	8955 1075/3DD 115V 1/3HP 5" FAN & BLOWER MOTOR REVERSIBLE			

3-Speed, PSC, Direct Drive, Fan and Blower Motor

5.6" Diameter , Open Air Over, Flex Mount



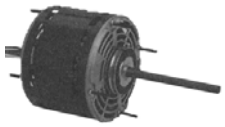
- Class B insulation
- Reversible rotation
- Bearings have all angle thrust system
- Continuous duty, air over
- 24" leads
- Automatic reset thermal overload protector
- Designed for 370V capacitors

Capacitor Not Included

HP	Volts	Amps	RPM/ Speeds	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/4	115	3.8	1075/3	5.0	1	EA	99714	3783 1075/3DD 115V 1/4HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1/3	115	5.0	1075/3	7.5	1	EA	99499	3785 1075/3DD 115V 1/3HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1/3	208/230	2.4	1075/3	5.0	1	EA	99498	3786 1075/3DD 230V 1/3HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1/2	115	7.4	1075/3	10.0	1	EA	99497	3787 1075/3DD 115V 1/2HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1/2	208/230	3.3	1075/3	7.5	1	EA	99719	3788 1075/3DD 230V 1/2HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			

3-Speed, PSC, Direct Drive, Fan and Blower Motors

5.6" Diameter, Open Air Over



- Stud extensions on models 1694, 1863, 1864, 1865, 1971, 1972, 1973, 8906, 8907.
- Designed for 370 volt capacitors
- 24" leads.
- Continuous duty, air over.
- 1/2" shaft
- SAB bearing motors have all angle thrust system
- Automatic reset hermal overload protector
- 2.5" diameter hub rings included
- Reversible rotation

Capacitor Not Included

HP	Volts	Amps	RPM/ Speeds	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/4	115	3.5	1075/3	7.5	1	EA	99509	1863 1075/3DD 115V 1/4HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1/4	208/230	1.5	1075/3	7.5	1	EA	99518	1971 1075/3DD 230V 1/4HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1/3	115	5.0	1075/3	7.5	1	EA	99510	1864 1075/3DD 115V 1/3HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1/3	208/230	1.9	1075/3	7.5	1	EA	99519	1972 1075/3DD 230V 1/3HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1/2	115	5.5	1625/3	15	1	EA	99252	1694 1075/3DD 115V 1/2HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1/2	115	6.5	1075/3	10	1	EA	99511	1865 1075/3DD 115V 1/2HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1/2	208/230	2.9	1075/3	10	1	EA	99520	1973 1075/3DD 230V 1/2HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
3/4	115	9.5	1075/3	15	1	EA	99514	8904 1075/3DD 115V 3/4HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
3/4	208/230	4.0	1075/3	15	1	EA	99524	8905 1075/3DD 230V 3/4HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1	115	12.1	1075/3	20	1	EA	99525	8906 1075/3DD 115V 1HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
1	208/230	5.6	1075/3	20	1	EA	99549	8907 1075/3 230V 1HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			

4-Speed, Multi-Horsepower, Direct Drive, Blower Motors

5.6" Diameter, Open



- **5460 and 5461**: Extended mounting studs, res. rings, reversible, and Rheem mounting holes.
- **5470 and 5471**: Extended mounting studs, res. rings, Rheem mounting holes, ball bearings, and reversible.

5460 and 5461 Specifications

Motor to Replace	Speeds to Use* (Color/Approx. RPM)		370V Capacitor		5460 115V FLA	5461 208/230V FLA
	Cooling	Heating	5460	5461		
1/2 HP	High (Black/1100)	Med-Hi (Blue/1050) or Med-Low (Yellow/825)	10 mfd	10 mfd	7.3	3.6
1/3 HP	High (Black/1120)	Med-Hi (Blue/1090) or Med-Low (Yellow/1030)	7.5 mfd	5 mfd	6.9	3.5
1/4 HP	Med-Hi (Blue/1125)	Med-Low (Yellow/1090) or Low (Red/1010)	7.5 mfd	5 mfd	5.5	2.8
1/5 HP	Med-Low (Yellow/1110)	Low (Red/1060)	7.5 mfd	5 mfd	3.6	1.9
1/6 HP	Low (Red/1085)	Low (Red/1085)	7.5 mfd	5 mfd	2.8	1.3

5470 and 5471 Specifications

Motor to Replace	Speeds to Use* (Color/Approx. RPM)		370V Capacitor	5470 115V FLA	5471 208/230V FLA
	Cooling	Heating			
3/4 HP	High (Black/1100)	Med-Hi (Blue/1080) or Med-Low (Yellow/1010)	20 mfd	8.1	3.8
1/2 HP	High (Black/1130)	Med-Low (Yellow/1090) or Low (Red/1035)	10 mfd	6.6	3.7
1/3 HP	Med-Hi (Blue/1150)	Med-Low (Yellow/1130) or Low (Red/1100)	10 mfd	4.6	2.5
1/4 HP	Med-Low (Yellow/1150)	Low (Red/1130)	10 mfd	3.8	1.8
1/5 HP	Low (Red/1140)	Low (Red/1140)	10 mfd	3.1	1.7

*RPM data from cold motor at nominal horsepower. Actual load will determine effective rpm.

Capacitor Not Included

HP	Volts	Amps	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/6–1/2	115	7.3	1	EA	99540	5460 1075 115V 1/6-1/2HP 5.6" RESCUE PSC MOTOR			
1/6–1/2	230	3.6	1	EA	99537	5461 1075 230V 1/6-1/2HP 5.6" RESCUE PSC MOTOR			
1/5–3/4	115	8.1	1	EA	99563	5470 1075 115V 1/5-3/4HP 5.6" RESCUE PSC MOTOR			
1/5–3/4	230	3.8	1	EA	99561	5471 1075 230V 1/5-3/4HP 5.6" RESCUE PSC MOTOR			

5-Speed, Direct Drive, Blower Motors

5.6" Diameter, Electronically Controlled, High Efficiency

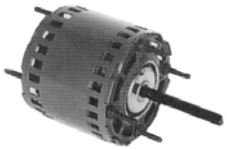


- No capacitor needed
- Reversible rotation
- Electronically protected motor
- Class B insulation
- Ball bearing
- Continuous duty, air over
- 36" leads
- Shaft dimension: 1/2" x 4"

HP	Volts	Amps	RPM/ Speeds	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/3–1/5	115-208/230	4.0-3.0/2.6	1075/5	1	EA	99663	5522ET 1075 115/230V 1/3-1/5HP ECOTECH MOTOR DD 5.6"			
1/2–1/4	115-208/230	5.9-4.6/3.9	1075/5	1	EA	99686	5532ET 1075 1/2-1/4 115/230V ECOTECH MOTOR DD 5.6"			
3/4–1/3	115-208/230	8.1-6.1/5.2	1075/5	1	EA	99666	5542ET 1075 115/230V 3/4-1/3HP ECOTECH MOTOR DD 5.6"			

Direct Drive Fan and Blower Motors

5.0" Diameter, Single-Shaft, Open Air Over,



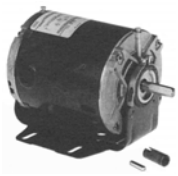
- Sleeve bearings have all angle thrust system
- Designed for use with 370V capacitors
- Continuous duty, air over
- 24" line leads unless otherwise noted
- Automatic reset thermal overload protector
- Class B insulation

Capacitor Not Included

HP	Volts	Amps	RPM	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/6	115	3.0	1050	1	EA	99705	1127P 1050DD 115V 1/6HP 5" FAN & BLOWER MOTOR			
1/5	115	3.2	1050	1	EA	99501	1338P 1050/3DD 115V 1/5HP 5" FAN & BLOWER MOTOR			

1-and 2-Speed, Belt Drive, Fan and Blower Motors

5-1/2" Diameter, Split-Phase, Dripproof



- Resilient base
- Class B insulation
- Reversible rotation
- Automatic reset overload protection.
- With threaded conduit hole
- NEMA Frame: 56
  (Model 5793C: 56Z)

1-Speed

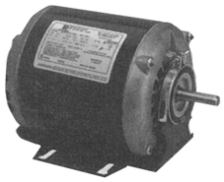
HP	Volts	Amps	RPM	Serv Fctr	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/2	115/230	8.0/4.0	1725	1.25	1	EA	99532	4114 1725/1 115/230V 1/2HP BELTED FAN & BLOWER MOTOR REV			
3/4	115/230	11.2/5.6	1725	1.25	1	EA	99271	4115 1725/1 115/230V 3/4HP BELTED FAN AND BLOWER MOTOR			

2-Speed

1/3	115	5.9/3.6	1725	1.00	1	EA	99307	5793C 1725/1140 115V 1/8-1/3HP BELTED FAN AND BLOWER MOTOR			

1-Speed, Belt Drive, Fan and Blower Motors

Split Phase, Open, Dripproof, Single Shaft



- 1.35 service factor
- NEMA Frame: 48 (Model 3618: 48Z)
- Automatic reset thermal overload protection
- Class B insulation
- Resilient base
- Threaded conduit hole
- Reversible rotation
- RPMs: 1725

HP	Volts	Amps	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/4	115	5.3	1	EA	99515	8000 1725 115V 1/4HP BELTED FAN & BLOWER MOTOR REV			
1/4	115/208-230	5.2/2.5-2.6	1	EA	99530	3618 1725/1 115/230V 1/4HP BELTED FAN & BLOWER MOTOR REV			
1/3	115	6.4	1	EA	99516	8100 1725 115V 1/3HP BELTED FAN & BLOWER MOTOR REV			
1/3	115/208-230	6.8/3.1-3.4	1	EA	99531	8438 1725/1 115/230V 1/3HP BELTED FAN & BLOWER MOTOR REV			
1/2	115	8.0	1	EA	99517	8200 1725 115V 1/2HP BELTED FAN & BLOWER MOTOR REV			

2-Speed, Multi-horsepower Condenser Fan Motors

5.6" Diameter, Totally Enclosed Air Over



- Automatic reset thermal overload
- Ball bearings
- 48" leads
- Special treated rotor for corrosion protection
- Reversible rotation
- Suitable for use with 370 V capacitors
- Continuous duty, air over
- Extended mounting studs

Capacitor Not Included

HP	Volts	Amps	RPMs	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/6–1/3	208/230	1.9	825	10/7.5	1	EA	99554	5464 825 230V 1/6-1/3HP 5.6" RESCUE PSC MOTOR			
1/6–1/3	208/230	2.6	1075	7.5/5	1	EA	99541	5462 1075 230V 1/6-1/3HP 5.6" RESCUE PSC MOTOR			
1/5–1/2	208/230	3.0	1075	12.5/10	1	EA	99560	5465 1075 230V 1/6-1/2HP 5.6" RESCUE PSC MOTOR			
1/4–3/4	208-230	4.0	1075	15/15	1	EA	99286	5482H 1075 230V 1/4-3/4 5.6" RESCUE PSC MOTOR			

1-Speed, PSC Condenser Fan Motors

5.0" Diameter, Totally Enclosed, Air Over



- Automatic reset thermal overload
- Ball bearings
- Special treated rotor for corrosion protection
- EZ-FIT mounting system to cover 4.3", 4.4", or 4.6" bolt circle mounts
- Reversible rotation
- 36" leads
- Continuous duty, air over
- Extended mounting studs

Capacitor Not Included

HP	Volts	Amps	RPMs	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/8–1/12	208/230	0.8	1075	5.0	1	EA	99283	5440H 1075 230V 1/8-1/12HP 5" RESCUE PSC MOTOR			
1/4–1/6	208/230	1.5	1075	5.0	1	EA	99284	5441H 1075 230V 1/4-1/6HP 5" RESCUE PSC MOTOR			

1-Speed, PSC Condenser Fan Motors

5.0" Diameter, Totally Enclosed Air Over



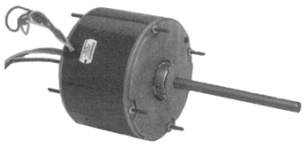
- Automatic reset thermal overload
- Shaft down mount
- 42" leads
- Reversible rotation
- Suitable for use with 370 V capacitors

Capacitor Not Included

HP	Volts	Amps	RPMs	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/8	208/230	0.90	1075	5.0	1	EA	99260	2249 1075/1 230V 1/8HP 5" CONDENSER FAN MOTOR REVERSIBLE			
1/5	208/230	1.60	1075	5.0	1	EA	99259	2246 1075/1 230V 1/5HP 5" CONDENSER FAN MOTOR REVERSIBLE			
1/4	208/230	1.70	1075	7.5	1	EA	99261	2250 1075/1 230V 1/4HP 5" CONDENSER FAN MOTOR REVERSIBLE			

1- and 2-Speed PSC Condenser Fan Motors

5.6" Diameter, Totally Enclosed Air Over



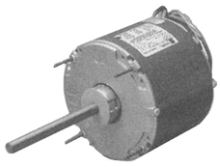
- 140° F/60° C ambient design
- Sleave bearings have all angle thrust system
- Suitable for use with 370 volt capacitors
- Extended studs
- 30" leads
- Hubless lead end
- Drain holes both ends
- Automatic thermal overload protector
- Continuous duty air over
- Shaft up or down motor
- Class B insulation

Capacitor Not Included

HP	Volts	Amps	RPM/ Spds	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/12	208/230	0.7	1100	5.0	1	EA	99264	3401 1100/1 230V 1/12HP 5.6" CONDENSER FAN MOTOR			
1/10	208/230	0.8	1100	5.0	1	EA	99265	3402 1100/1 230V 1/10HP 5.6" CONDENSER FAN MOTOR			
1/6	208/230	1.0	825	5.0	1	EA	99670	1873 825/1 230V 1/6HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
1/6	208/230	0.8	1500	5.0	1	EA	99266	3405 1500/1 230V 1/6HP 5.6" CONDENSER FAN MOTOR			
1/4	460	1.0	825	5.0	1	EA	99253	1880 825/1 460V 1/4HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
1/4	208/230	1.5	1075	5.0	1	EA	99654	1860 1075 230V 1/4HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
1/4	460	0.8	1115	7.5	1	EA	99267	3736 1075/1 460V 1/4HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
1/3-1/5	208/230	2.4-1.4	825	7.5	1	EA	99671	1875 825/1 230V 1/3HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
1/3	208/230	2.0	1130	7.5	1	EA	99655	1861 1075/1 230V 1/3HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
1/3	460	1.3	1115	7.5	1	EA	99268	3737 1075/1 460V 1/3HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
1/3	208/230	1.9	1625	5.0	1	EA	99254	1891 1625/1 230V 1/3HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
1/2	208/230	3.1	1075	10.0	1	EA	99656	1862 1075/1 230V 1/2HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
1/2	460	1.5	1115	10.0	1	EA	99269	3738 1075/1 460V 1/2HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
1/2	208/230	2.9	1075/2	10.0	1	EA	99523	8671 1075/2 230V 1/2HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
3/4	208/230	4.7	1075	10.0	1	EA	99662	1868 1075/1 230V 3/4HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
3/4	460	2.0	1075	10.0	1	EA	99270	3742 1075/1 460V 3/4HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			

1-Speed, PSC, Condenser Fan Motors

5.6" Diameter, Dripproof, Open



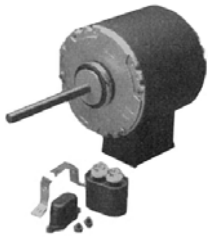
- 60 Hz
- Capacitor mounting holes in frame band
- Shaft up or horizontal
- Continuous duty, air over
- Water slinger
- Designed for 370 volt capacitors
- Automatic thermal overload protector
- Sleeve bearings have all angle thrust system
- Reversible
- Class B insulation
- Extended studs are 8-32
- 30" leads
- 1/2" shaft with 5" shaft length, double flats on shaft
- Shaft endshield and frame band are enclosed, lead endshield is ventilated

Capacitor Not Included

HP	Volts	Amps	RPM	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/4	230	1.9	1075	5	1	EA	99585	8302 1075/2 230V 1/4HP 5.6" CONDENSER FAN MOTOR REVERSIBLE	
1/4	208/230	1.7	1075	5	1	EA	99657	3851 1075/1 230V 1/4HP 5.6" CONDENSER FAN MOTOR REVERSIBLE	
1/3	208/230	2.2	1075	5	1	EA	99658	6880 1075 230V 1/3HP 5.6" CONDENSER FAN MOTOR REVERSIBLE	
1/2	208/230	3.1	1075	7.5	1	EA	99659	3852 1075/1 230V 1/2HP 5.6" CONDENSER FAN MOTOR REVERSIBLE	

1- Speed, PSC, Commercial Condenser Fan Motor

5.6" Diameter, Totally Enclosed Air Over



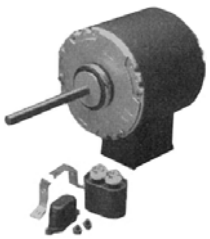
- Includes internal conduit box
- Automatic thermal overload protector
- Reversible shaft rotation
- Double-sealed ball bearing
- Continuous duty, air over
- 40° C ambient
- Class B insulation
- 1/2" shaft

Capacitor Not Included

HP	Volts	Amps	RPM	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3/4	208-230/460	4.6/2.3	1075	12.5	1	EA	99697	2202 1075 230/460V 3/4HP 5.6" COMMERCIAL CONDENSER FAN MOTOR	

1- Speed, PSC, Commercial Condenser Fan Motor

6.3" Diameter, Totally Enclosed Air Over



- Includes internal conduit box
- Automatic thermal overload protector
- Reversible shaft rotation
- Double-sealed ball bearing
- Continuous duty, air over
- 40° C ambient
- Class B insulation
- 5/8" shaft

Capacitor Not Included

HP	Volts	Amps	RPM	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	208-230/460	5.2/2.6	1075	17.5	1	EA	99698	2203 1075 230/460V 1HP 6.3" COMMERCIAL CONDENSER FAN MOTOR	

3-Phase Commercial Condenser Fan Motor

Open Dripproof, Air Over



- Automatic reset thermal overload protector
- Shaft-up mounting
- Double-sealed ball bearings
- Class B insulation
- NEMA frame: 56Z
- Reversible rotation
- Continuous duty, air over
- Dual voltage
- 140° F (60° C) ambient rated

Capacitor Not Included

HP	Volts	Amps	RPM	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1-1/2	208-230/460	6.2/3.1	1140	1	EA	99596	1819(H) 1140 1-1/2HP 208/230/460 COMMERCIAL CONDENSER FAN MOTOR			
1-1/2	208-230/460	5.4/2.7	1140	1	EA	99606	1821H 1140/208-230/460 1.5HP 3PH COMM CONDENSER FAN MOTOR			

3-Speed, Double Shaft Fan and Blower Motors

5.6" Diameter, Open Dripproof Air Over



- Automatic reset thermal overload protector
- CCW rotation lead end
- Sleeve bearings have all angle thrust system
- Continuous duty, air over
- Connection and capacitor information furnished on nameplate
- When supplied, capacitor and mounting hardware are supplied detached
- Green ground lead
- 20" leads
- Designed for use with 370V capacitors
- Mounting holes in shell for mounting capacitor
- Hub rings are 2-1/4" diameter, furnished detached, with extra metal outer rings for adapting to 2-1/2" diameter
- Capacitor and Mounting Kit
  Included with models 1887, 1213, 1824
  Not included with models 3134, 3135, 3136
- Class B Insulation

HP	Volts	Amps	RPM/ Spds	Mfd Cap	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/3	230	2.2	1625/3	5.0	1	EA	99603	1887 1625/3 230V 1/3HP 5.6" FAN & BLOWER MOTOR DOUBLESHAFT			
1/3	230	2.5	1075/3	5.0	1	EA	99797	1213 1075/3 230V 1/3 HP 5.6" FAN & BLOWER MOTOR DOUBLESHAFT			
1/3	230	2.5	1075/3	5.0	1	EA	99262	3135 1075/3 230V 1/3HP 5.6" FAN & BLOWER MOTOR DOUBLESHAFT			
1/2	230	4.5	1075/3	5.0	1	EA	99263	3136 1075/3 230V 1/2HP 5.6" FAN & BLOWER MOTOR DOUBLESHAFT			

1-Speed, Oil Burner Motors

Split-Phase, 5-1/2" Diameter, Totally Enclosed



- 40° C ambient
- 20" leads
- 1.0 service factor
- Manual reset thermal overload protector
- 48N flange is ventilated
- Class A insulation
- Sleeve bearings all have angle thrust system
- Electronically protected motor

HP	Volts	Amps	RPM	Frame	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/8	115	2.4	1725	48N	1	EA	99536	3196 1725RPM 115V 1/8HP OIL BURNER MOTOR REVERSIBLE			
1/7	115	2.3	3450	48M	1	EA	99506	5866 1/7HP 115V 3450RPM 115V 1/7HP OIL BURNER MOTOR			
1/6	115	3.1	1725	48N	1	EA	99535	3252 1725RPM 115V 1/6HP OIL BURNER MOTOR REVERSIBLE			

1-Speed, General Purpose Motors

Single-Phase, Open Dripproof



- Class A or B insulation
- Reversible Rotation
- 40 degree ambient, 60 Hz
- Continuous duty
- Resilient base
- Capacitor start
- NEMA Frame: 56

HP	Volts	Amps	RPM	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
3/4	115/230	11.6/5.8	1800	1	EA	99597	1660 1725/1 115/230V 3/4HP GENERAL PURPOSE ODP MOTOR REV			
1	115/230	8.8/4.4	1725	1	EA	99625	D1CPA2PH9 1725/1 115/230V 1HP GENERAL PURPOSE ODP MOTOR REV			

3-Phase, General Purpose Motors

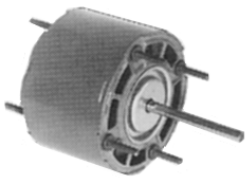
Open Dripproof, NEMA Premium Efficient



- Class F insulation, Class B rise at service factor (140 frame and larger)
- Rolled steel frame 56-320, cast iron frame 360-440
- Aluminum end shields 56-250, cast iron end shields 280-440
- Full HP at 50 Hz
- Regreasable bearings 180 frames and up

HP	Volts	RPM	NEMA Frame	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3	208/230/460	1800	182T	1	EA	99634	D3P2D (D3E2D) 3HP GENERAL PURPOSE US MOTOR	
15	208/230/460	1800	254T	1	EA	99638	D15E2D 15HP GENERAL PURPOSE US MOTOR	
20	208/230/460	1800	256T	1	EA	99639	D20E2D 20HP GENERAL PURPOSE US MOTOR	

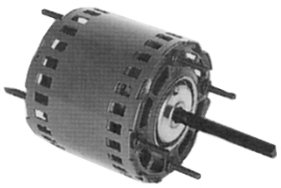
Specialty Replacement Motors



9632



9624



10889

Open Ventilated Fan and Blower Duty Shaded Pole and PSC, 3.3" Diameter, Continuous Duty Air Over

HP	Volts	RPM	NEMA Frame	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/20	115	1550	33	1	EA	99720	9632 1550DD 115V 1/20HP 3.3" FAN & BLOWER MOTOR	

Totally Enclosed Fan and Blower Duty, Single Shaft, 3.3" Diameter, Shaded Pole and PSC, 60 Hz., Continuous Duty Air Over

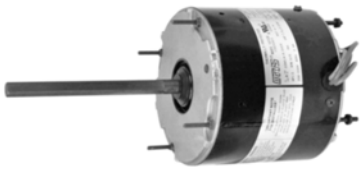
HP	Volts	RPM	NEMA Frame	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/50	115	1550	33	1	EA	99702	9624 1550 115V 1/50HP 3.3" FAN & BLOWER MOTOR			

Fan Coil Units, Shaded Pole, 5" Diameter, 60 Hz., Thermally Protected, Continuous Duty Air Over

HP	Volts	RPM	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/10	115	1050	1	EA	99723	10889 1/10HP 115V 3.5A 1050RPM 5-SPEED MOTOR	

1-Speed, PSC, Condenser Fan Motors

5.6" Diameter, Totally Enclosed

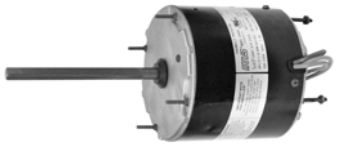


- 60 C ambient design
- Reversible rotation
- Through bolt or band mounting
- Full 6 inch shaft length
- All angle sleeve or ball bearings
- Up/down design
- Class B insulation
- Single-phase, 60 Hz.
- Automatic thermal overload protected
- 26 inch leads

RPM	Mfd. Cap.	Volts	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
825	5	208-230	1	EA	95752	10403 1/6 HP CONDENSER FAN MOTOR 208-230VOLT 825RPM			
825	7.5	208-230	1	EA	95753	10405 1/3HP CONDENSER FAN MOTOR 208-230VOLT 825RPM			
1075	5	208-230	1	EA	95754	10728 1/4HP CONDENSER FAN MOTOR 208-230VOLT 1075RPM			
1075	7.5	208-230	1	EA	95755	10729 1/3HP CONDENSER FAN MOTOR 208-230VOLT 1075RPM			
1075	10	208-230	1	EA	95756	10730 1/2HP CONDENSER FAN MOTOR 208-230VOLT 1075RPM			
1075	10	208-230	1	EA	95757	10731 3/4HP CONDENSER FAN MOTOR 208-230VOLT 1075RPM			

2-Speed, PSC, Condenser Fan Motors

Multi-Horsepower, 5.6", Totally Enclosed



- Single-phase, 60 Hz.
- Through bolt or band mounting
- Air conditioning or heat pump duty
- Overload protection
- Class B insulation
- Water slinger on shaft

RPM	Mfd. Cap.	Volts	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
825	7.5	208-230	1	EA	95758	10469 1/6-1/3 MULTI HP 825RPM 208-230V CONDENSER FAN MOTOR			
1075	10	208-230	1	EA	95759	10465 1/6-1/3 MULTI HP 1075RPM 208-230V CONDENSER FAN MOTOR			
1075	12.5	208-230	1	EA	95760	10468 1/5-1/2 MULTI HP 1075RPM 208-230V CONDENSER FAN MOTOR			

1-Speed, PSC, Fan and Blower Motors

Belt Drive, 5.5" Diameter



- 1.35 service factor
- NEMA frame 48
- Class B insulation
- Resilient base mounted
- Reversible

HP	Volts	Amps	RPMs	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/4	115	4.3	1725	1	EA	95774	10401 1/4 HP 115V 1725 RPM REV BELT DRIVE			
1/3	115	5.8	1725	1	EA	95775	10406 1/3 HP 115V 1725 RPM REV BELT DRIVE			
1/2	115	7.7	1725	1	EA	95776	10408 1/2 HP 115V 1725 RPM REV BELT DRIVE			

Super-Fit™ Condenser Fan Motor

Multi-Horsepower, 42 Frame, Totally Enclosed



Specifications:

- Class "B" insulation
- 42 frame
- Single phase, 60 Hz
- Continuous air over
- Thermal overload protected
- Continuous duty
- 36 inch leads
- Horsepower: 1/4, 1/5, 1/6
- Volts: 208-230
- Amps: 1.5
- RPM: 1075

Features:

- Super-Fit™ mounting holes for Trane 4.33, 4.42, and 4.62 bolt circle mounting. Includes self threading screws.
- All angle mount, ball bearing
- Reversibe rotation
- Multi-HP
- Capacitor requirement noted on motor label
- 1/2 inch diameter flatter shaft
- Totally enclosed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95773	10723 1/4 TO 1/6 MULTI-HORSE POWER CONDENSER FAN MOTOR	

3-Speed, PSC, Furnace Blower Motors

Direct Drive Torsion Flex Mount, 5.5" Diameter, Open



Features

- Sleeve bearing
- Torsion flex mount
- 3 speeds
- 4-1/2" L x 1/2" Dia. shaft
- Torsion mount sleeves and grommets included

Specifications

- Class "B" insulation
- Single-phase, 60 Hz.
- Thermal overload protected
- Fan duty, continuous, air over
- Open construction
- 36" leads

Volts	Amps	Cap Req.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
115	6.1	5/370	1	EA	95750	10685 1/3 HP 115V PSC T FLEX FURN BLWR MOTOR	
115	7.5	10/370	1	EA	95751	10687 1/2 HP 115V PSC T FLEX FURN BLWR MOTOR	

Super-Fit™ Condenser Fan Motor

Multi-Horsepower, 42 Frame, Totally Enclosed



Specifications

- Class "B" insulation
- 42 frame
- Single phase, 60 Hz
- Continuous air over
- Thermal overload protected
- Continuous duty
- 36 inch leads
- Horsepower: 1/4, 1/5, 1/6
- Volts: 208-230
- Amps: 1.5
- RPM: 1075

Features

- Super-Fit™ mounting holes for Trane 4.33, 4.42, and 4.62 bolt circle mounting. Includes self threading screws.
- All angle mount, ball bearing
- Reversibe rotation
- Multi-HP
- Capacitor requirement noted on motor label
- 1/2 inch diameter flatter shaft
- Totally enclosed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95773	10723 1/4 TO 1/6 MULTI-HORSE POWER CONDENSER FAN MOTOR	

3-Speed, PSC, Furnace Blower Motors

Direct Drive Torsion Flex Mount, 5.5" Diameter, Open



Features

- Sleeve bearing
- Torsion flex mount
- 3 speeds
- 4-1/2" L x 1/2" Dia. shaft
- Torsion mount sleeves and grommets included

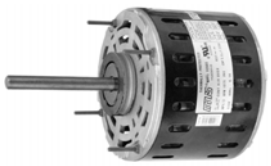
Specifications

- Class "B" insulation
- Single-phase, 60 Hz.
- Thermal overload protected
- Fan duty, continuous, air over
- Open construction
- 36" leads

Volts	Amps	Cap Req.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
115	6.1	5/370	1	EA	95750	10685 1/3 HP 115V PSC T FLEX FURN BLWR MOTOR	
115	7.5	10/370	1	EA	95751	10687 1/2 HP 115V PSC T FLEX FURN BLWR MOTOR	

3-Speed, PSC, Furnace Blower Motors

Direct Drive, 5.6" Diameter, Open

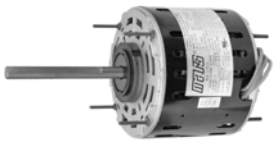


- All angle sleeve bearings
- 1/2" extended through bolts
- 2-1/4" resilient rings plus 4 split rings
- Reversible rotations
- 4" long, 1/2" diameter shaft
- Single-phase, 60 Hz.
- Overload protections
- Fan duty, continuous, air over
- Open construction
- Class B insulation

RPM	Mfd. Cap.	Volts	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1075/3	5	115	1	EA	95765	10583 1/4HP DIRECT DRIVE 115V FURNACE BLOWER MOTOR			
1075/3	5	208-230	1	EA	95766	10584 1/4HP DIRECT DRIVE 208-230V FURNACE BLOWER MOTOR			
1075/3	5	115	1	EA	95767	10585 1/3HP DIRECT DRIVE 115V FURNACE BLOWER MOTOR			
1075/3	5	208-230	1	EA	95768	10586 1/3HP DIRECT DRIVE 208-230V FURNACE BLOWER MOTOR			
1075/3	10	115	1	EA	95769	10587 1/2HP DIRECT DRIVE 115V FURNACE BLOWER MOTOR			
1075/3	7.5	208-230	1	EA	95770	10588 1/2HP DIRECT DRIVE 208-230V FURNACE BLOWER MOTOR			
1075/3	15	115	1	EA	95771	10589 3/4HP DIRECT DRIVE 115V FURNACE BLOWER MOTOR			
1075/3	10	208-230	1	EA	95772	10590 3/4HP DIRECT DRIVE 208-230V FURNACE BLOWER MOTOR			

5-Speed, PSC, Furnace Blower Motors

Direct Drive, Multi-Horsepower, 5.6" Diameter, Open



- Single-phase, 60 Hz.
- Overload protection
- Class B insulation
- 2-1/2" resilient rings
- Reversible rotation

RPM	Mfd. Cap.	Voltage	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1075/4	7.5	115	1	EA	95761	10463 MULTI 1/6-1/2HP 115V DIRECT DRIVE BLOWER MOTOR			
1075/4	7.5	230	1	EA	95762	10464 MULTI 1/6-1/2HP 230V DIRECT DRIVE BLOWER MOTOR			
1075/4	7.5	115	1	EA	95763	10466 MULTI 1/5-3/4HP 115V DIRECT DRIVE BLOWER MOTOR			
1075/4	7.5	230	1	EA	95764	10467 MULTI 1/5-3/4HP 230V DIRECT DRIVE BLOWER MOTOR			

Azure Digi-Motor—4 Speed, ECM, Blower Motor

Direct Drive, 5-1/2" Diameter

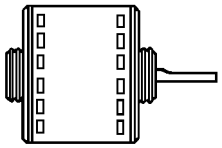


- Outboard replaceable surge protector
- 625 RPM constant fan mode
- Reversible rotation
- 85% efficiency
- Dual voltage
- 4 Speeds
- Class "B" insulation
- UL and CSA recognized

RPM	Volts	HP	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1075	115/230	1/5–1/2	1	EA	94465	10860 1/5-1/2HP DIRECT DRIVE AZURE DIGI MOTOR 5 SPEED			
1075	115/230	1/2–1	1	EA	94466	10861 1/2-1HP DIRECT DRIVE AZURE DIGI MOTOR 5 SPEED			

REZNOR® 1-Speed, Direct Drive, Unit Heater Motors

Single Shaft, 5.7" Diameter, 48 Frame

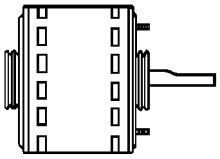


- CCW (viewed opposite shaft end)
- 1/2" shaft
- Continuous air over sleeve bearings
- Single phase
- 4 bolt mounting on 5.15 bolt centers
- Used on Reznor and other unit heaters
- 115 volts
- 60 Hz.

Mfd. Cap. (370 Volts)	F.L. Amps	Shaft Length	RPM	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	4.0	4.50	850	1	EA	62472	RZ095545 1/4 HP OPEN FAN MOTOR	
None	6.5	4.50	850	1	EA	62478	RZ156275 1/2 HP FAN MOTOR	

REZNOR® 1-Speed, Direct Drive, Unit Heater Motors

Single Shaft, 5" Diameter, NEMA 42



- Shaded pole and permanent split capacitor
- CCW (viewed opposite shaft end)
- 1/2" shaft
- Single phase
- Continuous air over sleeve bearings
- 3 bolt mounting on 120° apart
- Used on Reznor and other unit heaters
- 115 volts
- 60 Hz.

Mfd. Cap. (370 Volts)	F.L. Amps	Shaft Length	RPM	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	2.5	4.50	900	1	EA	62473	RZ095546 1/6 HP OPEN FAN MOTOR	
S.P.	3.9	4.00	1050	1	EA	62476	RZ095547 1/20 HP FAN MOTOR	
S.P.	2.7	4.00	1000	1	EA	62477	RZ095548 1/30 HP FAN MOTOR	
S.P.	1.6	4.00	1050	1	EA	62494	RZ045331 1/40 HP MOTOR	
S.P.	3.0	4.00	1050	1	EA	62616	RZ055680 1/20 HP MOTOR	
5	2.5	2.72	1140	1	EA	62617	RZ055681 1/8 HP MOTOR	
5	4.6	2.75	1130	1	EA	62618	RZ088781 1/6 HP MOTOR	

Unitronix® Evaporator/Condenser Double Duty Motor



- Special wide temperature range lubrication system
- High capacity oil reservoir with spiral grooved shaft for efficient distribution of oil to the bearing surface
- Mounting hardware and water shield included
- Tapped and drilled mounting holes
- 1550 RPM standard
- Cast iron
- Unit bearing
- 15" leads

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99645	00621 6-12 WATTS 115VOLT CW EVAP/CONDENSER-UNITRONIX MOTOR	

OEM Blower Motor Cross Reference

OEM	OEM Model No.	Fasco Model No.
Alltemp (Rotom)	7062-4832, R7-RFB350, 1011350	A173
Amana	7062-3151, 7062-3703, 7062-4774, D98686-7, D9868614	A158
Coleman	7021-6759	A088
Dornback	7021-5478	A088
Goodman	B185900, 7021-6804, JA1M106, JA1M137, 7021-10262, 4MH15	A079
Goodman	B405900S	A182
Inter City Products	7002-2792, 7002-2633, 1010975, 1010975P	A172
Inter City Products	7021-9335, 7021-8735, 7021-9499, 7021-8736, 7021-7700, 7021-9477, 7021-9918, 7021-10275, 1708-607, 1708-607P, 1010324, 1010238P, R7-RFB134, 4MH28	A134
Inter City Products	7021-10299, 7021-10702, 7021-8918, 7021-9594, 7021-9935, 7021-9936, 1010312, 1010526, 1010928, 1011095, 1011097, 1011409, 1164280, 7021-9362	A170
Inter City Products	7062-4061, 7062-3793, 7062-4703, 1008695, 4MH47, 1009924, 1008695P	A145
Inter City Products	7062-4783, 7062-4705, 7062-4274, 7062-4201, 7062-4549, 1010491, 1010527P, 1011096, 1011410, 1011412	A171
Inter City Products	7062-4785	A173
Inter City Products	HQ1050144, 7021-10287, 7062-3793, 7062-4703, 4MH40, 1008695, 4MH47	A151
Lennox	7002-2975, 313L5501	A200
Nordyne	7021-9132, 7021-10171, 7021-10159, 7021-9661, 6212850, 6217000, 4MH26	A131
Nordyne	7062-4159, 7062-4639, 7062-4538, 7062-4698, 6216130, FB-RFB130, 4MH43	A130
PMI/Vulcan Hart	7062-2513, 70-22165-81, 5C089, 7062-4534, FB-RFB142, 7062-4702, 4MH46	A142
Rheem/Ruud	70-21496-01, 7021-5239, 7021-5715, JA1M102, 7021-10268, 4MH21, 74-70-21496-01-06	A090
Rheem/Ruud	7062-1881, 7062-2615	A142
Rheem/Ruud	7062-3861, 70-24033-01-13, RF-RFB136, 4MH44, 28686, 70-24033-01	A136
Rheem/Ruud	74-70-21496-03-01,74-70-21504-03-04, 7021-5615, 7021-10262, 4MH15	A079
Trane	7021-7833, 7021-8928, 7021-10286, C661452P01, X38080029010, 4MH39	A150
Trane	7062-3956, 7021-4004, 7062-5247, 7062-3616, 7062-5575, D330757P04, D342094P04, 21D340365P03, D330757P035, X38040313037, FB-RFB130, 4MH43	A130
Trane	B1W24, WG94X167	A079
York	7021-8629, 7021-7105, 2940-391, 2940-391-P, 7021-9908, R7-RFB391, 7021-10267, 4MH20	A088
York	7021-11577, 7021-11577S,7021-11830, 024-34558-000, 17503	A225
York	7058-0266, 7058-0266S, 17500, 024-34490-000	A226
York	7062-2442, 7062-3484, 024-25057-000, 7062-3342, 7062-4236, 7062-4536, 7062-4701, 024-25007-000, 024-25007-700, 024-25057-000, RFB-137, 4MH45	A137

OEM Replacement Blower Motors



A067



A079



A090



A126



A150



A151



A172



A200



A225



A226

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93386	A067 115VOLT 1 SPEED 1/20HP FASCO BLOWER MOTOR INDUCER	
1	EA	93387	A079 115VOLT 1 SPEED 1.1AMPS FASCO BLOWER MOTOR B1859000	
1	EA	93388	A088 115VOLT 1 SPEED 1.3AMPS FASCO BLOWER MOTOR	
1	EA	93389	A090 115VOLT 1 SPEED 1.1AMPS FASCO BLOWER MOTOR	
1	EA	93393	A130 115VOLT 1 SPEED 0.7AMPS FASCO BLOWER MOTOR	
1	EA	93394	A131 115VOLT 1 SPEED 1.1AMPS FASCO BLOWER MOTOR	
1	EA	93395	A134 115VOLT 1 SPEED 1.5AMPS FASCO BLOWER MOTOR	
1	EA	93396	A136 115VOLT 1 SPEED .75AMPS FASCO BLOWER MOTOR	
1	EA	93397	A137 115VOLT 1 SPEED 0.7AMPS FASCO BLOWER MOTOR	
1	EA	93400	A145 115VOLT 1 SPEED 0.7AMPS FASCO BLOWER MOTOR	
1	EA	93401	A150 208/230 VOLT 1 SPEED 0.5AMPS FASCO BLOWER MOTOR	
1	EA	93402	A151 230VOLT 1 SPEED 0.3AMPS FASCO BLOWER MOTOR	
1	EA	93403	A158 115VOLT 1 SPEED 4.5AMPS FASCO BLOWER MOTOR	
1	EA	93404	A170 115VOLT 1 SPEED 2.3AMPS FASCO BLOWER MOTOR	
1	EA	93405	A171 115VOLT 1 SPEED 0.7AMPS FASCO BLOWER MOTOR	
1	EA	93406	A172 115VOLT 1 SPEED 1.6AMPS FASCO BLOWER MOTOR	
1	EA	93407	A173 115VOLT 1 SPEED 0.8AMPS FASCO BLOWER MOTOR	
1	EA	93412	A182 115VOLT 1 SPEED 1.2AMPS FASCO BLOWER MOTOR B4059000S	
1	EA	93408	A200 115VOLT 1 SPEED 1.95AMPS FASCO BLOWER MOTOR	
1	EA	93410	A225 115VOLT 1 SPEED 2.25AMPS FASCO BLOWER MOTOR	
1	EA	93411	A226 115VOLT 1 SPEED 1.7AMPS FASCO BLOWER MOTOR	

Fasco 1-Speed Blower Motor



- Ambient Range: 40° C
- Bearing: Sleeve
- Rotation: CW
- RPM Range: 3000
- Replaces: J238-138-1344

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93414	A143 115V 1 SPEED 0.95 AMP FASCO BLOWER MOTOR	

Carrier Venter Motor Replacement

Direct replacement for Carrier 80+ furnace (HC21ZE117) 115 volts, 1.80 Amp with ball bearing.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93413	10704 CARRIER HC21ZE117 VENTER MOTOR REPLACEMENT	

Motor Accessories

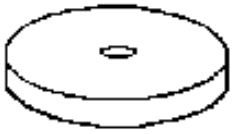
For Single Shaft PSC and KCP Direct Drive Motors



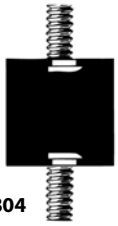
08102



08021 For 5.6" diameter motor and and 10" blower mount diameter.



26



07804

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	99481	10 2-1/2" DIAMETER STEEL BANDED RUBBER HUB RING KIT - 1 PAIR	
1	PKG	99482	15 2-1/2" DIAMETER RUBBER HUB RING KIT - 1 PAIR	
1	EA	99783	08021 5-1/2IN BLOWER MOUNTING KIT (17)	
1	EA	99799	25 BELLY BAND MOUNT LUG MOTOR APAPTER	
1	EA	99784	26 PLASTIC MOTOR RAIN SHIELD	
4	PKG	99811	07804 IWI RUBBER MOUNT 4/PKG	
10	EA	99816	08102 BONDED CUSH RING	
25	EA	94640	93011 ONE HOLE CAP BOOT	

Torsion Ring Set Kit



08049



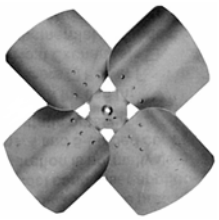
089050

Torsion flex mounting adapter kits for 9" and 10" blowers.
Kits include 3 grommets, 1 bolt, 1 nut, and 2 steel washers.

- **08049:** For NEMA frame 29 and 39. For use with 4-7/8 through 5-1/16".
- **08050**: For NEMA frame 42 and 48. For use with 4-7/8 through 5-5/8".

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99512	08049 TORSION RING SET KIT (43)	
10	EA	99513	08050 5-5/8IN TORSION RING SET KIT (44)	

Fan Blades and Adaptor Hubs





Rotation indicated in item description is viewed facing air discharge.
Three screws and washers supplied with each hub.

Fan Blades, 27° Pitch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	95800	40072 10 IN FAN BLADE CW	
4	EA	95802	40078 12IN FAN BLADE CW	
4	EA	95804	40084 14IN FAN BLADE CW	
4	EA	95805	40085 14 IN FAN BLADE CCW	
4	EA	95806	40090 16 IN FAN BLADE CW	
4	EA	95807	40091 16IN FAN BLADE CCW	
2	EA	95808	40096 18 IN FAN BLADE CW	
2	EA	95809	40097 18 IN FAN BLADE CCW	
2	EA	95810	40102 20 IN FAN BLADE CW	
2	EA	95811	40103 20 IN FAN BLADE CCW	
2	EA	95812	40114 24 IN FAN BLADE CW	
2	EA	95813	40115 24 IN FAN BLADE CCW	
2	EA	95843	40108 22IN FAN BLADE CW	
2	EA	95844	40109 22 IN FAN BLADE CCW	

Adaptor Hubs

12	EA	95856	40003 5/16 IN HUB	
12	EA	95857	40004 3/8 IN HUB	
12	EA	95858	40005 1/2 IN HUB	
12	EA	95859	40006 5/8 IN HUB	

MA-FB2 Hub Puller

Fan Blade Puller



Use the MA-FB2 to pull off fan blades and blower wheels. It is made of long lasting heavy steel construction. Bar top for easy gripping with a wrench. Made of hardened steel to remove fan blades with unaccessible hubs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54029	MA-FB2 HEAVY DUTY HUB PULLER	

Single Piece Aluminum Fan Blades

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93867	07593 10" CW 5/16" BORE 5 WING BLADE W/HUB ON INTAKE	
1	EA	93868	07922 12" CCW 5/16" BORE 5 WING BLADE W/HUB ON DISCHARGE	
1	EA	93869	95731 7" CW 30" PITCH HUBLES W/UNIT BEARING MOUNT PIERCING	

SuperLube® Multi-Purpose Aerosol Lubricant



Super Lube is a non-toxic, patented, multi-purpose synthetic lubricant, containing Syncolon® (PTFE) particles held in suspension, that lasts longer and outperforms conventional petroleum-based greases and oils. It is safe on rubber, plastics, and paints.

Super Lubeprevents rust and corrosion and works effectively in temperatures from -65° to +650°.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	64274	93212 (20029) 11 OZ AEROSOL SUPER LUBE	—

Zoom Spout Oiler



- Contains 4 oz. of high quality turbine oil
- Inhibits rust and oxidation
- Spout extends to 14"; simply wipe dry

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	50756	93240 ZOOM SPOUT OILER	—

Grease and Grease Gun

ENERGY SAVING PRODUCTS





Mobil™ Grease FM 222

- For use in food process machinery—excellent lubrication characteristics in oven and freezer applications.
- High levels of rust inhibition



Mobil™ Grease EP2

- Meets GM SPES 7830695, 998537, and Detroit Diesel Corp. IY12 SPEC.
- Operating Temperature: -30 to 350 ° F
- Lithium grease containing oxidation and corrosion inhibitors
- Superior water resistance

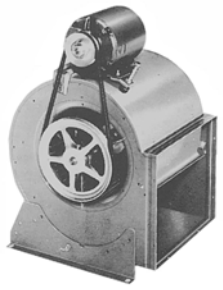
Plews Grease Gun

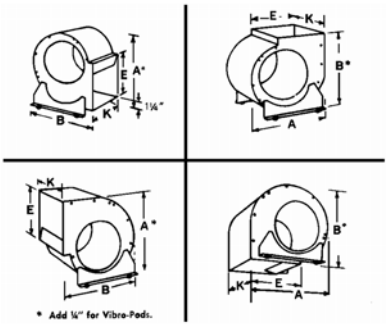
- Heavy duty steel construction
- Baked enamel finish with zinc plating
- Lifetime Warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	81276	FM222 MOBIL GREASE - FOOD GRADE	—
10	EA	81277	EP2 MOBIL GREASE "EP"	—
1	EA	81275	30200 PLEWS GREASE GUN	—

Heating and Air Conditioning Replacement Blower

Universal Blower Less Motor





Universal blower less motor includes motor mount, belt adjustable parts, feet, assembly screws, and mounting grommets. Holes and guide slots make assembly easy. Order motor, pulley, drives, and belt separately.

Dimensions

Part No.	LAU Model	Specifications	Blower Size (In.)	K	E	A	B	Shaft Size
41407	A10-10ACE	1500 CFM at 1/4" S.P.	10	13-1/6	11-3/8	17-1/4	16-1/2	3/4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64103	41407 A10-10ACE LAU BLOWER	—

"DD" Preslock® Direct Drive Wheels



Service Hint: If CCW rotation is required, use a CW rotation wheel and mount motor on hub side. Set screw must be converted to Allen Head Screw and then tightened through the blades, using T-handle Allen wrench. (May have to notch blade above set screw to provide access for T-handle Allen wrench.)

Rotation	Diameter (In.)	Width (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
CW	9-1/2	9-1/2	1	EA	60699	41365 9X9 BLOWER WHEEL	—
CW	9-1/2	7-1/8	1	EA	60702	41307 9X7 BLOWER WHEEL	—
CW	11-1/8	8	1	EA	60740	41327 10X8 BLOWER WHEEL	—
CW	11-1/8	10-5/8	1	EA	60741	41333 10X10 BLOWER WHEEL	—

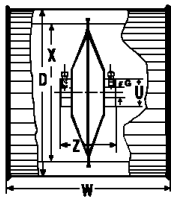
Blower Wheels

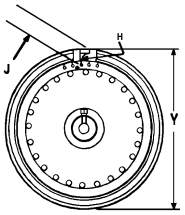
Rotation	Diameter (In.)	Width (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
CW	10	6	1	EA	60143	98M74 R02592A004 BLOWER WHEEL	—
CW	12	8	1	EA	60145	16W84 11 X 8 LB-29333BDD BLOWER WHEEL	—
CW	12	9	1	EA	60146	86H46 R02592A013 BLOWER WHEEL	—
CW	10	9	1	EA	60923	47K30 R02592A023 BLOWER WHEEL	—

Belt Drive Blower Wheel

3/4 Bore







- Galvanized, Universal Replacement Preslok® wheels with two hubs for CW or CCW rotation
- Each blade is mechanically attached to the center disc by four steel fingers pressed through the hole in the blade for positive locking action
- End rings are of deep section and center disc is airflow shaped with increased hub spread

Dimensions

Part No.	LAU Model	Bore	Material	Set Screw	D	W	X	Y	U	Z	H	J
41510	A10-10A	3/4	Crs. Ptd.	1	10-5/8	10-5/8	8-7/8	11-1/8	1-1/4	3.280	48	1

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	60739	41510 10 5/8 D X 10 5/8 W BLOWER WHEEL	

Replacement Blower Parts



Cartridge Type Bearing



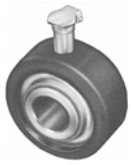
Pillow Block Type Bearing



Sealed Sleeve Bearings



Sealed Type Bearing



Oil Type Bearing

Bearings

Type	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Pillow Block	10	SET	64167	40878 1 IN LAU BRG	
Cartridge	10	SET	64162	40894 1 IN LAU BRG	
Oil	10	SET	64166	40875 1 IN LAU BRG	
Sealed	10	SET	64155	40870 5/8 IN LAU BRG	
Sealed Ball	10	SET	64210	40880 3/4 IN LAU BRG (LAU #38258801)	
Sealed Sleeve	10	SET	64209	40887 1 IN BEARING SEALED (LAU# 38269501)	

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	BAG	64207	38252501 LAU GROMMETS	

Blower Wheels

Rotation	Diameter (In.)	Width (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
CW	10	6	1	EA	60143	98M74 R02592A004 BLOWER WHEEL	
CW	12	8	1	EA	60145	16W84 11 X 8 LB-29333BDD BLOWER WHEEL	
CW	12	9	1	EA	60146	86H46 R02592A013 BLOWER WHEEL	
CW	10	9	1	EA	60923	47K30 R02592A023 BLOWER WHEEL	

Replacement Blower Parts



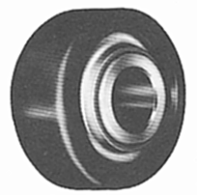
Blower Shaft



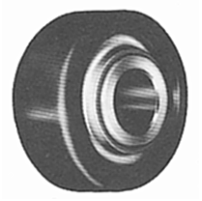
Cartridge Type Bearing



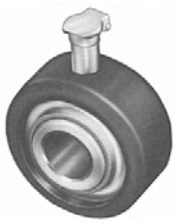
Pillow Block Type Bearing



Sealed Sleeve Bearings



Sealed Type Bearing



Oil Type Bearing



Thrust Sleeve and Spacer Kit



Thrust Collar Kit

Shafts

Type	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Blower	10	EA	64184	40906 5/8IN X 20IN BLOWER SHAFT	
Blower	1	EA	64186	40909 3/4IN X 30/35IN BLOWER SHAFT	
Blower	10	EA	64187	40907 3/4IN X 20IN BLOWER SHAFT	
Blower	10	EA	64188	40908 1IN X 25IN BLOWER SHAFT	

Bearings

Pillow Block	10	SET	64161	40877 3/4 IN LAU BRG	
Cartridge	10	SET	64168	40863 3/4 LAU BRG W/COLLR	
Pillow Block	10	SET	64203	40893 5/8 IN LAU BRG	
Oil	10	SET	64165	40868 3/4 IN LAU BRG	
Sealed	10	SET	64156	40871 3/4 IN LAU BRG	
Sealed	10	SET	64157	40872 1 IN LAU BRG	
Sealed Sleeve	10	SET	64208	40885 3/4 IN BEARING SEALED (LAU# 38269401)	

Thrust Kits

Sleeve and Spacer	10	PKG	64193	40903 3/4 SLEEVE & SPACER	
Collar	10	KIT	64195	40898 3/4 IN LAU COLLAR	
Collar	10	KIT	64196	40899 1 IN LAU COLLAR	
Collar	10	KIT	64199	40897 5/8 IN LAU COLLAR	

Bracket Kit

Bearing	1	PKG	64160	40918 3/4 IN LAU BRACKET KIT	

Variable Pitch Sheaves



- Furnished with standard keyseats
- Cast iron
- Finished bore

VL Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58450	40831 1VL34X1/2 VARIABLE PITCH SHEAVE		
20	EA	58451	40832 1VL34X5/8 VARIABLE PITCH SHEAVE		
20	EA	58452	40834 1VL40X1/2 VARIABLE PITCH SHEAVE		
20	EA	58453	40845 1VP40X5/8 VARIABLE PITCH SHEAVE		
20	EA	58454	40837 1VL40X7/8 VARIABLE PITCH SHEAVE		
20	EA	58455	40838 1VL44X1/2 VARIABLE PITCH SHEAVE		
20	EA	58456	40839 1VL44X5/8 VARIABLE PITCH SHEAVE		
20	EA	58457	40841 1VL44X7/8 VARIABLE PITCH SHEAVE		

VP Series

20	EA	58458	40844 1VP50X7/8 VARIABLE PITCH SHEAVE		
1	EA	58459	40847 1VP56X1 1/8 VARIABLE PITCH SHEAVE		

TruFlex® V-Belts



- For fractional horsepower (FHP) drives
- Smooth, quiet operation with less vibration
- Meets RMA oil and heat resistance standards
- Meets RMA static conductivity standards

3L Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	57317	74103 3L170 TRUEFLEX V-BELT		
1	EA	57318	74104 3L180 TRUEFLEX V-BELT		
1	EA	57319	74105 3L190 TRUEFLEX V-BELT		
1	EA	57320	74106 3L200 TRUEFLEX V-BELT		
1	EA	57321	74107 3L210 TRUEFLEX V-BELT		
1	EA	57322	74108 3L220 TRUEFLEX V-BELT		
1	EA	57323	74109 3L230 TRUEFLEX V-BELT		
1	EA	57324	74110 3L240 TRUEFLEX V-BELT		
1	EA	57325	74111 3L250 TRUEFLEX V-BELT		
1	EA	57326	74112 3L260 TRUEFLEX V-BELT		
1	EA	57327	74113 3L270 TRUEFLEX V-BELT		
1	EA	57329	74115 3L290 TRUEFLEX V-BELT		
1	EA	57331	74117 3L310 TRUEFLEX V-BELT		
1	EA	57332	74118 3L320 TRUEFLEX V-BELT		
1	EA	57333	74119 3L330 TRUEFLEX V-BELT		
1	EA	57334	74120 3L340 TRUEFLEX V-BELT		
1	EA	57335	74121 3L350 TRUEFLEX V-BELT		
1	EA	57336	74122 3L360 TRUEFLEX V-BELT		
1	EA	57337	74123 3L370 TRUEFLEX V-BELT		
1	EA	57338	74124 3L380 TRUEFLEX V-BELT		
1	EA	57339	74125 3L390 TRUEFLEX V-BELT		
1	EA	57340	74126 3L400 TRUEFLEX V-BELT		
1	EA	57344	74130 3L440 TRUEFLEX V-BELT		

4L Series

1	EA	57717	74155 4L170 TRUEFLEX V-BELT		
1	EA	57718	74156 4L180 TRUEFLEX V-BELT		
1	EA	57719	74157 4L190 TRUEFLEX V-BELT		
1	EA	57720	74158 4L200 TRUEFLEX V-BELT		
1	EA	57721	74159 4L210 TRUEFLEX V-BELT		
1	EA	57722	74160 4L220 TRUEFLEX V-BELT		
1	EA	57723	74162 4L230 TRUEFLEX V-BELT		

Continued on the Following Page

4L Series (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	57724	74163 4L240 TRUEFLEX V-BELT		
1	EA	57725	74164 4L250 TRUEFLEX V-BELT		
1	EA	57726	74165 4L260 TRUEFLEX V-BELT		
1	EA	57727	74166 4L270 TRUEFLEX V-BELT		
1	EA	57728	74167 4L280 TRUEFLEX V-BELT		
1	EA	57729	74168 4L290 TRUEFLEX V-BELT		
1	EA	57730	74169 4L300 TRUEFLEX V-BELT		
1	EA	57731	74170 4L310 TRUEFLEX V-BELT		
1	EA	57732	74171 4L320 TRUEFLEX V-BELT		
1	EA	57733	74172 4L330 TRUEFLEX V-BELT		
1	EA	57734	74173 4L340 TRUEFLEX V-BELT		
1	EA	57735	74174 4L350 TRUEFLEX V-BELT		
1	EA	57736	74175 4L360 TRUEFLEX V-BELT		
1	EA	57737	74176 4L370 TRUEFLEX V-BELT		
1	EA	57738	74177 4L380 TRUEFLEX V-BELT		
1	EA	57739	74178 4L390 TRUEFLEX V-BELT		
1	EA	57740	74179 4L400 TRUEFLEX V-BELT		
1	EA	57741	74180 4L410 TRUEFLEX V-BELT		
1	EA	57742	74181 4L420 TRUEFLEX V-BELT		
1	EA	57743	74182 4L430 TRUEFLEX V-BELT		
1	EA	57744	74183 4L440 TRUEFLEX V-BELT		
1	EA	57745	74184 4L450 TRUEFLEX V-BELT		
1	EA	57746	74185 4L460 TRUEFLEX V-BELT		
1	EA	57747	74186 4L470 TRUEFLEX V-BELT		
1	EA	57748	74187 4L480 TRUEFLEX V-BELT		
1	EA	57749	74188 4L490 TRUEFLEX V-BELT		
1	EA	57750	74189 4L500 TRUEFLEX V-BELT		
1	EA	57751	74190 4L510 TRUEFLEX V-BELT		
1	EA	57752	74191 4L520 TRUEFLEX V-BELT		
1	EA	57753	74192 4L530 TRUEFLEX V-BELT		
1	EA	57754	74193 4L540 TRUEFLEX V-BELT		
1	EA	57755	74194 4L550 TRUEFLEX V-BELT		

5L Series

1	EA	58470	74266 5L440 TRUEFLEX V-BELT		
1	EA	58471	74273 5L510 TRUEFLEX V-BELT		
1	EA	58472	74276 5L540 (B51) TRUEFLEX V-BELT		

Hi-Power® II V-Belts

- Oil and heat resistant
- Meets RMA static conductivity standards



A Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58520	74364 A20 HI-POWER II BELT		
1	EA	58521	74325 A21 HI-POWER II BELT		
1	EA	58522	74326 A22 HI-POWER II BELT		
1	EA	58523	74327 A23 HI-POWER II BELT		
1	EA	58524	74328 A24 HI-POWER II BELT		
1	EA	58525	74329 A25 HI-POWER II BELT		
1	EA	58526	74330 A26 HI-POWER II BELT		
1	EA	58527	74331 A27 HI-POWER II BELT		
1	EA	58528	74332 A28 HI-POWER II BELT		
1	EA	58529	74333 A29 HI-POWER II BELT		
1	EA	58530	74334 A30 HI-POWER II BELT		
1	EA	58531	74335 A31 HI-POWER II BELT		
1	EA	58532	74336 A32 HI-POWER II BELT		
1	EA	58533	74337 A33 HI-POWER II BELT		
1	EA	58534	74338 A34 HI-POWER II BELT		
1	EA	58535	74339 A35 HI-POWER II BELT		
1	EA	58536	74340 A36 HI-POWER II BELT		

Continued on the Following Page

A Series (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58537	74341 A37 HI-POWER II BELT		
1	EA	58538	74342 A38 HI-POWER II BELT		
1	EA	58539	74343 A39 HI-POWER II BELT		
1	EA	58540	74344 A40 HI-POWER II BELT		
1	EA	58541	74345 A41 HI-POWER II BELT		
1	EA	58542	74346 A42 HI-POWER II BELT		
1	EA	58543	74347 A43 HI-POWER II BELT		
1	EA	58544	74348 A44 HI-POWER II BELT		
1	EA	58545	74349 A45 HI-POWER II BELT		
1	EA	58546	74350 A46 HI-POWER II BELT		
1	EA	58547	74351 A47 HI-POWER II BELT		
1	EA	58548	74352 A48 HI-POWER II BELT		
1	EA	58549	74353 A49 HI-POWER II BELT		
1	EA	58550	74354 A50 HI-POWER II BELT		
1	EA	58551	74355 A51 HI-POWER II BELT		
1	EA	58552	74356 A52 HI-POWER II BELT		
1	EA	58553	74357 A53 HI-POWER II BELT		
1	EA	58554	74358 A54 HI-POWER II BELT		
1	EA	58555	74359 A55 HI-POWER II BELT		
1	EA	58556	74360 A56 HI-POWER II BELT		
1	EA	58557	74361 A57 HI-POWER II BELT		
1	EA	58558	74362 A58 HI-POWER II BELT		
1	EA	58559	74363 A59 HI-POWER II BELT		
1	EA	58560	74366 A60 HI-POWER II BELT		
1	EA	58561	74367 A61 HI-POWER II BELT		
1	EA	58562	74368 A62 HI-POWER II BELT		
1	EA	58563	74369 A63 HI-POWER II BELT		
1	EA	58564	74370 A64 HI-POWER II BELT		
1	EA	58565	74371 A65 HI-POWER II BELT		
1	EA	58566	74372 A66 HI-POWER II BELT		
1	EA	58567	74373 A67 HI-POWER II BELT		
1	EA	58568	74374 A68 HI-POWER II BELT		
1	EA	58569	74375 A69 HI-POWER II BELT		
1	EA	58570	74376 A70 HI-POWER II BELT		
1	EA	58571	74377 A71 HI-POWER II BELT		
1	EA	58572	74378 A72 HI-POWER II BELT		
1	EA	58573	74379 A73 HI-POWER II BELT		
1	EA	58574	74380 A74 HI-POWER II BELT		
1	EA	58575	74381 A75 HI-POWER II BELT		
1	EA	58576	74382 A76 HI-POWER II BELT		
1	EA	58577	74383 A77 HI-POWER II BELT		
1	EA	58578	74384 A78 HI-POWER II BELT		
1	EA	58579	74385 A79 HI-POWER II BELT		
1	EA	58580	74386 A80 HI-POWER II BELT		
1	EA	58581	74387 A81 HI-POWER II BELT		
1	EA	58582	74388 A82 HI-POWER II BELT		
1	EA	58583	74389 A83 HI-POWER II BELT		
1	EA	58584	74390 A84 HI-POWER II BELT		
1	EA	58585	74391 A85 HI-POWER II BELT		
1	EA	58587	74393 A87 HI-POWER II BELT		
1	EA	58588	74394 A88 HI-POWER II BELT		
1	EA	58589	74395 A89 HI-POWER II BELT		
1	EA	58590	74396 A90 HI-POWER II BELT		
1	EA	58591	74397 A91 HI-POWER II BELT		
1	EA	58592	74398 A92 HI-POWER II BELT		
1	EA	58593	74399 A93 HI-POWER II BELT		
1	EA	58594	74400 A94 HI-POWER II BELT		
1	EA	58596	74402 A96 HI-POWER II BELT		
1	EA	58598	74532 A98 HI-POWER II BELT		
1	EA	58600	74403 A100 HI-POWER II BELT		
1	EA	58603	74404 A103 HI-POWER II BELT		
1	EA	58605	74405 A105 HI-POWER II BELT		
1	EA	58612	74407 A112 HI-POWER II BELT		
1	EA	58613	74408 A120 HI-POWER II BELT		
1	EA	58614	74409 A128 HI-POWER II BELT		
1	EA	58615	74412 A144 HI-POWER II BELT		

B Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58725	74250 B25 HI-POWER II BELT		
1	EA	58728	74517 B28 HI-POWER II BELT		
1	EA	58729	74518 B29 HI-POWER II BELT		
1	EA	58730	74422 B30 HI-POWER II BELT		
1	EA	58731	74423 B31 HI-POWER II BELT		
1	EA	58732	74424 B32 HI-POWER II BELT		
1	EA	58733	74425 B33 HI-POWER II BELT		
1	EA	58734	74426 B34 HI-POWER II BELT		
1	EA	58735	74427 B35 HI-POWER II BELT		
1	EA	58736	74428 B36 HI-POWER II BELT		
1	EA	58737	74429 B37 HI-POWER II BELT		
1	EA	58738	74430 B38 HI-POWER II BELT		
1	EA	58739	74431 B39 HI-POWER II BELT		
1	EA	58740	74432 B40 HI-POWER II BELT		
1	EA	58741	74433 B41 HI-POWER II BELT		
1	EA	58742	74434 B42 HI-POWER II BELT		
1	EA	58743	74435 B43 HI-POWER II BELT		
1	EA	58744	74436 B44 HI-POWER II BELT		
1	EA	58745	74437 B45 HI-POWER II BELT		
1	EA	58746	74438 B46 HI-POWER II BELT		
1	EA	58747	74439 B47 HI-POWER II BELT		
1	EA	58748	74440 B48 HI-POWER II BELT		
1	EA	58749	74441 B49 HI-POWER II BELT		
1	EA	58750	74442 B50 HI-POWER II BELT		
1	EA	58751	74443 B51 HI-POWER II BELT		
1	EA	58752	74444 B52 HI-POWER II BELT		
1	EA	58753	74445 B53 HI-POWER II BELT		
1	EA	58754	74446 B54 HI-POWER II BELT		
1	EA	58755	74447 B55 HI-POWER II BELT		
1	EA	58756	74448 B56 HI-POWER II BELT		
1	EA	58757	74449 B57 HI-POWER II BELT		
1	EA	58758	74450 B58 HI-POWER II BELT		
1	EA	58759	74451 B59 HI-POWER II BELT		
1	EA	58760	74452 B60 HI-POWER II BELT		
1	EA	58761	74453 B61 HI-POWER II BELT		
1	EA	58762	74454 B62 HI-POWER II BELT		
1	EA	58763	74455 B63 HI-POWER II BELT		
1	EA	58764	74456 B64 HI-POWER II BELT		
1	EA	58765	74457 B65 HI-POWER II BELT		
1	EA	58766	74458 B66 HI-POWER II BELT		
1	EA	58767	74459 B67 HI-POWER II BELT		
1	EA	58768	74460 B68 HI-POWER II BELT		
1	EA	58769	74461 B69 HI-POWER II BELT		
1	EA	58770	74462 B70 HI-POWER II BELT		
1	EA	58771	74463 B71 HI-POWER II BELT		
1	EA	58772	74464 B72 HI-POWER II BELT		
1	EA	58773	74465 B73 HI-POWER II BELT		
1	EA	58774	74466 B74 HI-POWER II BELT		
1	EA	58775	74467 B75 HI-POWER II BELT		
1	EA	58776	74468 B76 HI-POWER II BELT		
1	EA	58777	74469 B77 HI-POWER II BELT		
1	EA	58778	74470 B78 HI-POWER II BELT		
1	EA	58780	74472 B80 HI-POWER II BELT		
1	EA	58781	74473 B81 HI-POWER II BELT		
1	EA	58782	74474 B82 HI-POWER II BELT		
1	EA	58783	74475 B83 HI-POWER II BELT		
1	EA	58784	74476 B84 HI-POWER II BELT		
1	EA	58785	74477 B85 HI-POWER II BELT		
1	EA	58786	74478 B86 HI-POWER II BELT		
1	EA	58787	74479 B87 HI-POWER II BELT		
1	EA	58788	74480 B88 HI-POWER II BELT		
1	EA	58789	74481 B89 HI-POWER II BELT		
1	EA	58790	74482 B90 HI-POWER II BELT		
1	EA	58791	74528 B91 HI-POWER II BELT		
1	EA	58792	74483 B92 HI-POWER II BELT		
1	EA	58793	74484 B93 HI-POWER II BELT		
1	EA	58794	74485 B94 HI-POWER II BELT		

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B Series (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58795	74486 B95 HI-POWER II BELT		
1	EA	58796	74487 B96 HI-POWER II BELT		
1	EA	58797	74488 B97 HI-POWER II BELT		
1	EA	58798	74489 B98 HI-POWER II BELT		
1	EA	58799	74490 B99 HI-POWER II BELT		
1	EA	58800	74491 B100 HI-POWER II BELT		
1	EA	58801	74519 B101 HI-POWER II BELT		
1	EA	58802	74492 B103 HI-POWER II BELT		
1	EA	58803	74493 B105 HI-POWER II BELT		
1	EA	58804	74495 B108 HI-POWER II BELT		
1	EA	58806	74497 B112 HI-POWER II BELT		
1	EA	58807	74499 B116 HI-POWER II BELT		
1	EA	58808	74501 B120 HI-POWER II BELT		
1	EA	58809	74502 B124 HI-POWER II BELT		
1	EA	58810	74504 B128 HI-POWER II BELT		
1	EA	58811	74525 B133 HI-POWER II BELT		
1	EA	58812	74506 B136 HI-POWER II BELT		
1	EA	58813	74507 B140 HI-POWER II BELT		
1	EA	58814	74508 B144 HI-POWER II BELT		
1	EA	58815	74510 B150 HI-POWER II BELT		
1	EA	58816	74511 B154 HI-POWER II BELT		
1	EA	58817	74512 B158 HI-POWER II BELT		
1	EA	58818	74513 B162 HI-POWER II BELT		

Tri-Power® V-Belts



- Combines flex and load carrying capacity
- Less stretch means less maintenance
- Suitable for all industrial applications, particularly with small or subminimal sheaves
- Meets RMA oil and heat resistance standards
- Meets RMA static conductivity standards

AX Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58620	94720 AX20 TRI POWER BELT		
1	EA	58621	74556 AX21 TRI POWER BELT		
1	EA	58622	74557 AX22 TRI POWER BELT		
1	EA	58623	74558 AX23 TRI POWER BELT		
1	EA	58624	74553 AX24 TRI POWER BELT		
1	EA	58625	74560 AX25 TRI POWER BELT		
1	EA	58626	74566 AX26 TRI POWER BELT		
1	EA	58627	74561 AX27 TRI POWER BELT		
1	EA	58628	74555 AX28 TRI POWER BELT		
1	EA	58629	74563 AX29 TRI POWER BELT		
1	EA	58630	74564 AX30 TRI POWER BELT		
1	EA	58631	74565 AX31 TRI POWER BELT		
1	EA	58632	74554 AX32 TRI POWER BELT		
1	EA	58633	74567 AX33 TRI POWER BELT		
1	EA	58634	74568 AX34 TRI POWER BELT		
1	EA	58635	74569 AX35 TRI-POWER BELT		
1	EA	58636	74570 AX36 TRI POWER BELT		
1	EA	58637	74571 AX37 TRI POWER BELT		
1	EA	58638	74572 AX38 TRI POWER BELT		
1	EA	58639	74562 AX39 TRI POWER BELT		
1	EA	58640	74573 AX40 TRI POWER BELT		
1	EA	58641	74574 AX41 TRI POWER BELT		
1	EA	58642	74575 AX42 TRI POWER BELT		
1	EA	58643	74576 AX43 TRI POWER BELT		
1	EA	58644	74604 AX44 TRI POWER BELT		

Continued on the Following Page

AX Series (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58645	74608 AX45 TRI POWER BELT		
1	EA	58646	74577 AX46 TRI-POWER BELT		
1	EA	58647	74579 AX47 TRI POWER BELT		
1	EA	58648	74578 AX48 TRI POWER BELT		
1	EA	58649	74580 AX49 TRI POWER BELT		
1	EA	58650	74598 AX50 TRI POWER BELT		
1	EA	58651	74581 AX51 TRI POWER BELT		
1	EA	58652	74599 AX52 TRI POWER BELT		
1	EA	58653	74551 AX53 TRI POWER BELT		
1	EA	58654	74582 AX54 TRI POWER BELT		
1	EA	58655	74583 AX55 TRI POWER BELT		
1	EA	58656	74600 AX56 TRI POWER BELT		
1	EA	58657	74601 AX57 TRI POWER BELT		
1	EA	58658	74584 AX58 TRI POWER BELT		
1	EA	58659	74552 AX59 TRI POWER BELT		
1	EA	58660	74585 AX60 TRI POWER BELT		
1	EA	58662	74587 AX62 TRI-POWER BELT		
1	EA	58663	74588 AX63 TRI POWER BELT		
1	EA	58664	74589 AX64 TRI POWER BELT		
1	EA	58666	74603 AX66 TRI POWER BELT		
1	EA	58668	74590 AX68 TRI POWER BELT		
1	EA	58670	74749 AX70 TRI POWER BELT		
1	EA	58671	74757 AX71 TRI POWER BELT		
1	EA	58675	74591 AX75 TRI POWER BELT		
1	EA	58680	74593 AX80 TRI POWER BELT		
1	EA	58685	74594 AX85 TRI POWER BELT		
1	EA	58690	74596 AX90 TRI POWER BELT		
1	EA	58692	74549 AX92 TRI POWER BELT		
1	EA	58696	74597 AX96 TRI POWER BELT		

BX Series

1	EA	58828	74650 BX28 TRI-POWER BELT		
1	EA	58830	74662 BX30 TRI-POWER BELT		
1	EA	58832	74605 BX32 TRI-POWER BELT		
1	EA	58833	74684 BX33 TRI-POWER BELT		
1	EA	58834	74666 BX34 TRI-POWER BELT		
1	EA	58835	74609 BX35 TRI-POWER BELT		
1	EA	58836	74610 BX36 TRI-POWER BELT		
1	EA	58838	74612 BX38 TRI-POWER BELT		
1	EA	58839	74613 BX39 TRI-POWER BELT		
1	EA	58840	74614 BX40 TRI-POWER BELT		
1	EA	58841	74615 BX41 TRI POWER BELT		
1	EA	58842	74616 BX42 TRI-POWER BELT		
1	EA	58843	74617 BX43 TRI-POWER BELT		
1	EA	58844	74618 BX44 TRI-POWER BELT		
1	EA	58845	74710 BX45 TRI-POWER BELT		
1	EA	58846	74619 BX46 TRI-POWER BELT		
1	EA	58847	74719 BX47 TRI-POWER BELT		
1	EA	58848	74620 BX48 TRI-POWER BELT		
1	EA	58849	74663 BX49 TRI-POWER BELT		
1	EA	58850	74621 BX50 TRI-POWER BELT		
1	EA	58851	74607 BX51 TRI-POWER BELT		
1	EA	58852	74622 BX52 TRI-POWER BELT		
1	EA	58853	74623 BX53 TRI-POWER BELT		
1	EA	58854	74624 BX54 TRI-POWER BELT		
1	EA	58855	74625 BX55 TRI-POWER BELT		
1	EA	58856	74626 BX56 TRI-POWER BELT		
1	EA	58857	74664 BX57 TRI-POWER BELT		
1	EA	58858	74629 BX58 TRI-POWER BELT		
1	EA	58859	74630 BX59 TRI-POWER BELT		
1	EA	58860	74631 BX60 TRI-POWER BELT		
1	EA	58861	74627 BX61 TRI-POWER BELT		
1	EA	58862	74632 BX62 TRI-POWER BELT		
1	EA	58863	74628 BX63 TRI-POWER BELT		

Continued on the Following Page

BX Series (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58864	74633 BX64 TRI-POWER BELT		
1	EA	58865	74634 BX65 TRI-POWER BELT		
1	EA	58866	74635 BX66 TRI-POWER BELT		
1	EA	58867	74636 BX67 TRI-POWER BELT		
1	EA	58868	74637 BX68 TRI-POWER BELT		
1	EA	58869	74707 BX69 TRI-POWER BELT		
1	EA	58870	74638 BX70 TRI-POWER BELT		
1	EA	58871	74639 BX71 TRI-POWER BELT		
1	EA	58872	74641 BX72 TRI-POWER BELT		
1	EA	58873	74640 BX73 TRI-POWER BELT		
1	EA	58874	74657 BX74 TRI-POWER BELT		
1	EA	58875	74646 BX75 TRI-POWER BELT		
1	EA	58876	74648 BX76 TRI-POWER BELT		
1	EA	58877	74651 BX77 TRI-POWER BELT		
1	EA	58878	74655 BX78 TRI-POWER BELT		
1	EA	58879	74656 BX79 TRI-POWER BELT		
1	EA	58880	74642 BX80 TRI-POWER BELT		
1	EA	58881	74643 BX81 TRI-POWER BELT		
1	EA	58882	74658 BX82 TRI-POWER BELT		
1	EA	58883	74644 BX83 TRI-POWER BELT		
1	EA	58884	74652 BX84 TRI POWER BELT		
1	EA	58885	74645 BX85 TRI-POWER BELT		
1	EA	58886	74721 BX86 TRI-POWER BELT		
1	EA	58888	74678 BX88 TRI-POWER BELT		
1	EA	58889	74679 BX89 TRI POWER BELT		
1	EA	58890	74659 BX90 TRI-POWER BELT		
1	EA	58891	74665 BX91 TRI-POWER BELT		
1	EA	58892	74672 BX92 TRI-POWER BELT		
1	EA	58893	74661 BX93 TRI POWER BELT		
1	EA	58895	74660 BX95 TRI-POWER BELT		
1	EA	58896	74606 BX96 TRI-POWER BELT		
1	EA	58897	74681 BX97 TRI-POWER BELT		
1	EA	58899	74683 BX99 TRI POWER BELT		
1	EA	58901	74647 BX100 TRI-POWER BELT		
1	EA	58903	74649 BX103 TRI-POWER BELT		
1	EA	58908	74653 BX105 TRI-POWER BELT		
1	EA	58913	74685 BX108 TRI-POWER BELT		
1	EA	58915	74670 BX112 TRI-POWER BELT		
1	EA	58918	74686 BX116 TRI POWER BELT		
1	EA	58919	74668 BX120 TRI-POWER BELT		
1	EA	58920	74669 BX124 TRI-POWER BELT		
1	EA	58923	74687 BX128 TRI-POWER BELT		
1	EA	58927	74705 BX133 TRI-POWER BELT		
1	EA	58932	74748 BX162 TRI POWER BELT		

Super HC® Molded Notch V-Belts



- Combines flex and load capacity.
- Suitable for all industrial applications, particularly where space, weight, and horsepower capacity are critical.
- Meets RMA oil and heat resistance standards.
- Meets RMA static conductivity standards.

3VX

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	57347	74418 3VX475 SUPER HC MOLDED NOTCH BELT		
1	EA	57363	74667 3VX630 SUPER HC MOLDED NOTCH BELT		
1	EA	57367	74547 3VX670 SUPER HC MOLDED NOTCH BELT		
1	EA	57371	74523 3VX710 SUPER HC MOLDED NOTCH BELT		
1	EA	57375	74548 3VX750 SUPER HC MOLDED NOTCH BELT		
1	EA	57380	74550 3VX800 SUPER HC MOLDED NOTCH BELT		
1	EA	57385	74524 3VX850 SUPER HC MOLDED NOTCH BELT		

5VX

1	EA	58486	74712 5VX450 SUPER HC MOLDED NOTCH BELT		
1	EA	58488	74711 5VX500 SUPER HC MOLDED NOTCH BELT		
1	EA	58490	74688 5VX530 SUPER HC MOLDED NOTCH BELT		
1	EA	58492	74674 5VX550 SUPER HC MOLDED NOTCH BELT		
1	EA	58493	74714 5VX570 SUPER HC MOLDED NOTCH BELT		
1	EA	58495	74682 5VX590 SUPER HC MOLDED NOTCH BELT		
1	EA	58496	74715 5VX600 SUPER HC MOLDED NOTCH BELT		
1	EA	58498	74722 5VX630 SUPER HC MOLDED NOTCH BELT		
1	EA	58501	74702 5VX670 SUPER HC MOLDED NOTCH BELT		
1	EA	58502	74716 5VX680 SUPER HC MOLDED NOTCH BELT		
1	EA	58504	74703 5VX710 SUPER HC MOLDED NOTCH BELT		
1	EA	58505	74675 5VX730 SUPER HC MOLDED NOTCH BELT		
1	EA	58507	74689 5VX750 SUPER HC MOLDED NOTCH BELT		
1	EA	58508	74708 5VX780 SUPER HC MOLDED NOTCH BELT		
1	EA	58509	74704 5VX800 SUPER HC MOLDED NOTCH BELT		
1	EA	58511	74677 5VX880 SUPER HC MOLDED NOTCH BELT		
1	EA	58512	74690 5VX900 SUPER HC MOLDED NOTCH BELT		
1	EA	58513	74691 5VX930 SUPER HC MOLDED NOTCH BELT		
1	EA	58514	74706 5VX950 SUPER HC MOLDED NOTCH BELT		
1	EA	58515	74692 5VX960 SUPER HC MOLDED NOTCH BELT		
1	EA	58473	74693 5VX1000 SUPER HC MOLDED NOTCH BELT		
1	EA	58474	74694 5VX1030 SUPER HC MOLDED NOTCH BELT		
1	EA	58475	74696 5VX1080 SUPER HC MOLDED NOTCH BELT		
1	EA	58476	74697 5VX1120 SUPER HC MOLDED NOTCH BELT		
1	EA	58477	74698 5VX1150 SUPER HC MOLDED NOTCH BELT		
1	EA	58478	74699 5VX1180 SUPER HC MOLDED NOTCH BELT		
1	EA	58479	74673 5VX1230 SUPER HC MOLDED NOTCH BELT		
1	EA	58481	74700 5VX1320 SUPER HC MOLDED NOTCH BELT		
1	EA	58482	74701 5VX1400 SUPER HC MOLDED NOTCH BELT		

Accu-Link Adjustable V-Belts



- For compact drives and higher RPM motors
- Heat and oil resistant
- Static conducting
- Easy snap and twist assembly
- **94671**: 5 ft. sleeve
- **94672**: 6 ft. sleeve

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58619	94671 AP 5FT ACCU-LINK ADJUSTABLE BELT		
1	EA	58719	94672 BP 5FT ACCU-LINK ADJUSTABLE BELT		

VPS-200AH Set Screw Ball Bearings



- Stock bearings fit air handler housings
- Semi-solid cast iron base
- Anti-rotation rivet

Shaft Dia. (In.)	Bearing No. Insert	Bolt Size (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	VS-216	3/8	1	EA	59812	VPS-216 AH CLRPK 1 IN. SHAFT DIAMETER SET SCREW BALL BEARINGS		

VPB-200AH BOA Concentric Ball Bearings



- Stock bearings fit air handler housings
- Semi-solid cast iron base
- Anti-rotation rivet

Shaft Dia. (In.)	Bearing No. Insert	Bolt Size (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
3/4	VB-212	3/8	1	EA	59830	VPB-212 AH 3/4 IN. DIAMETER SHAFT CONCENTRIC BALL BEARINGS		

RUBRB-100 BOA Concentric Ball Bearings



- Rubber grommet housing
- Concentric locking
- No re-lubrication

Shaft Dia. (In.)	Max. Steady Radial	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	300	1	EA	59801	RUBRB-116 1 IN. DIAMETER SHAFT BOA CONCENTRIC BALL BEARINGS		

RUBRS-100 Set Screw Ball Bearings



- Rubber grommet housing
- Set screw lock
- No re-lubrication

Shaft Dia. (In.)	Max. Steady Radial	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1/2	250	1	EA	59802	RUBRS-108 1/2 IN. SHAFT DIAMETER SET SCREW BALL BEARINGS		
5/8	250	1	EA	59803	RUBRS-110 5/8 IN. DIAMETER SHAFT SET SCREW BALL BEARINGS		
3/4	250	1	EA	59804	RUBRS-112 3/4 IN. DIAMETER SHAFT SET SCREW BALL BEARINGS		
15/16	300	1	EA	59805	RUBRS-115 15/16 IN. DIAMETER SHAFT SET SCREW BALL BEARINGS		

Browning Cast Iron Fixed Sheaves

- Single groove sheaves for 3L belts
- AL sheaves are equipped with hollow head set screws and have no keyseat

OD	BORE	TYPE	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
10	1	A	1	EA	52592	AL104X1 10X1 SINGLE GROVE SHEAVE		

Browning BK Single Groove Cast Iron Sheaves

Combination Groove



- Finished bore
- Single groove sheaves
- Combination groove will accept 4L/A and 5L/B belts
- Furnished with standard keyseats and hollowhead screws

OD	Pitch A/4L Dia. (In.)	Pitch B/5L Dia. (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
8.25	7.50	7.90	1	EA	59535	BK85X1 SHEAVES - FHP - FINISHED BORE		

NOTE: Do not use BK sheaves with bores B Gripnotch belt ratings.

Browning BKH Single Groove Cast Iron Sheaves

Combination Groove



- Single groove sheaves
- Combination groove will 4L/A and 5L/B belts
- Designed to be used in conjunction with H style bushings
- Furnished with standard keyseats, hollowhead screws, and split taper bushings

OD	Pitch A/4L Dia. (In.)	Pitch B/5L Dia. (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
3.95	3.20	3.60	1	EA	59084	BK 40H CLEAR PK SHEAVES - FHP H BUSHING STYLE		
4.25	3.50	3.90	1	EA	59085	BK 45H SHEAVES - FHP H BUSHING STYLE		
4.75	4.00	4.40	1	EA	59087	BK 50H CLEAR PK SHEAVES - FHP H BUSHING STYLE		
6.25	5.50	5.90	1	EA	59093	BK 65H SHEAVES - FHP H BUSHING STYLE		
9.25	8.50	8.90	1	EA	59102	BK 95H SHEAVES - FHP H BUSHING STYLE		
9.75	9.00	9.40	1	EA	59103	BK 100H SHEAVES - FHP H BUSHING STYLE		
13.75	13.00	13.40	1	EA	59108	BK 140H SHEAVES - FHP H BUSHING STYLE		

Browning H Split Taper Bushings



- Lifetime guarantee
- Keyed to both shaft and hub
- External key provides positive drive with no torque on the cap screws
- Double split barrel assures true concentricity

Keyseat	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1/8 x 1/16	1	EA	59016	H 1/2 CLEAR PK BUSHING SPLIT TAPER STYLE		
3/16 x 3/32	1	EA	59019	H 5/8 CLEAR PK BUSHING SPLIT TAPER STYLE		
3/16 x 3/32	1	EA	59025	H 7/8 CLEAR PK BUSHING SPLIT TAPER STYLE		
1/4 x 1/8	1	EA	59028	H 1 CLEAR PK BUSHING SPLIT TAPER STYLE		

Non-Stock Items*

5/16 x 5/32	1	EA	59032	H 1 3/8 - 5/16 BUSHING SPLIT TAPER STYLE		

*If non-stock items are needed on a regular basis please notify your GW Berkheimer representative.

1VP Single Groove Variable Pitch Sheaves

Combination Groove



- Single groove sheaves
- Combination grooves accept 3L, 4L/A, 5L/B, and 5V belts
- Fitted with hollowhead screws
- Cast iron, finished bore

Model	Diameter Range											
	3L Belts				4L/A Belts				5L/B Belts			
	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open
1VP30 x 1/2	1.8	4	2.7	0	—	—	—	—	—	—	—	—
1VP34 x 3/4	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1
1VP34 x 7/8	1.7	4	2.5	0	2.0	5	3.0	0	2.5	5	3.3	1
1VP44 x 7/8	2.7	4	3.5	0	3.0	5	4.0	0	3.2	6	4.2	1
1VP50 x 5/8	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1
1VP50 x 3/4	3.3	4	4.1	0	3.6	5	4.6	0	3.8	6	4.8	1
1VP50 x 7/8	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1
1VP56 x 5/8	3.9	4	4.7	0	4.2	5	5.2	0	4.4	6	5.4	1
1VP56 x 7/8	3.9	4	4.7	0	4.2	5	5.2	0	4.4	6	5.4	1
1VP56 x 1-1/8	3.9	4	4.7	0	4.2	5	5.2	0	4.4	6	5.4	1
1VP60 x 1-1/8	—	—	—	—	4.4	5	5.4	0	4.7	6	5.9	—
1VP60 x 1-3/8	—	—	—	—	4.4	5	5.4	0	4.7	6	5.9	—

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
20	EA	52562	1VP34X3/4 VARIABLE PITCH SHEAVE		
1	EA	58924	1VP34X7/8 CLEAR PK VARIABLE PITCH SHEAVE		
1	EA	52565	1VP50X3/4 VARIABLE PITCH SHEAVE		
20	EA	58916	1VP50X7/8 CLEAR PK VARIABLE PITCH SHEAVE		
1	EA	58941	1VP56X5/8 VARIABLE PITCH SHEAVE		
1	EA	58943	1VP56X7/8 VARIABLE PITCH SHEAVE		
1	EA	58945	1VP56X1 1/8 VARIABLE PITCH SHEAVE		

1VL/1VM Single Groove Variable Pitch Sheaves



- Furnished with standard keyseats
- Cast iron
- Finished bore
- For use with 3L, 4L/A, and 5L/B belts

Model	Bore Size	3L Belts				4L or A Belts				5L/B Belts			
		Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Datum	Turns Open	Max. Datum	Turns Open	Min. Datum	Turns Open	Max. Datum	Turns Open
1VL34 x 1/2	1/2	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1
1VL34 x 5/8	5/8	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1
1VL40 x 1/2	1/2	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1
1VL40 x 5/8	5/8	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1
1VL40 x 7/8	7/8	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1
1VL44 x 1/2	1/2	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1
1VL44 x 5/8	5/8	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1
1VL44 x 7/8	7/8	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58921	1VL34X1/2 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	58905	1VL34X5/8 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	58906	1VL40X1/2 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	52559	1VL40X5/8 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	58909	1VL40X7/8 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	58911	1VL44X5/8 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	58912	1VL44X7/8 CLEAR PK VARIABLE PITCH SHEAVE		

Browning® Light Duty (FHP) V-Belts



- Wrapped construction provides smooth, quiet operation.
- Formulated for maximum flexibility with smaller diameter sheaves.
- Oil and heat resistant.
- Static conducting.

3L V-Belts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	52343	3L170 FHP-BELT		
1	EA	52344	3L180 FHP-BELT		
1	EA	52345	3L190 FHP-BELT		
1	EA	52346	3L200 FHP-BELT		
1	EA	52347	3L210 FHP-BELT		
1	EA	52348	3L220 FHP-BELT		
1	EA	52349	3L230 FHP-BELT		
1	EA	52350	3L240 FHP-BELT		
1	EA	52351	3L250 FHP-BELT		
1	EA	52352	3L260 FHP-BELT		
1	EA	52353	3L270 FHP-BELT		
1	EA	52390	3L320 FHP BELT		
1	EA	52391	3L330 FHP BELT		
1	EA	52392	3L340 FHP BELT		
1	EA	52393	3L350 FHP BELT		
1	EA	52394	3L360 FHP BELT		
1	EA	52396	3L380 FHP BELT		
1	EA	52397	3L390 FHP BELT		

4L V-Belts

1	EA	52450	4L180 FHP BELT		
1	EA	52451	4L190 FHP BELT		
1	EA	52452	4L200 FHP BELT		
1	EA	52454	4L210 FHP BELT		
1	EA	52455	4L220 FHP BELT		
1	EA	52456	4L230 FHP BELT		
1	EA	52457	4L240 FHP BELT		
1	EA	52458	4L250 FHP BELT		
1	EA	52459	4L260 FHP BELT		
1	EA	52460	4L270 FHP BELT		
1	EA	52461	4L280 FHP BELT		
1	EA	52462	4L290 FHP BELT		
1	EA	52463	4L300 FHP BELT		
1	EA	52464	4L310 FHP BELT		
1	EA	52465	4L320 FHP BELT		
1	EA	52466	4L330 FHP BELT		
1	EA	52467	4L340 FHP BELT		
1	EA	52468	4L350 FHP BELT		
1	EA	52469	4L360 FHP BELT		
1	EA	52470	4L370 FHP BELT		
1	EA	52471	4L380 FHP BELT		
1	EA	52472	4L390 FHP BELT		
1	EA	52473	4L400 FHP BELT		
1	EA	52474	4L410 FHP BELT		
1	EA	52476	4L420 FHP BELT		
1	EA	52477	4L430 FHP BELT		
1	EA	52479	4L440 FHP BELT		
1	EA	52480	4L450 FHP BELT		
1	EA	52481	4L460 FHP BELT		
1	EA	52482	4L470 FHP BELT		
1	EA	52483	4L480 FHP BELT		
1	EA	52484	4L490 FHP BELT		
1	EA	52485	4L500 FHP BELT		
1	EA	52486	4L510 FHP BELT		
1	EA	52487	4L520 (A50) FHP BELT		
1	EA	52488	4L530 FHP BELT		
1	EA	52490	4L550 FHP BELT		

Browning Super Gripbelts

A V-Belts



- Static conducting

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	57801	A21 GRIPBELT		
1	EA	57802	A22 GRIPBELT		
1	EA	57803	A23 GRIPBELT		
1	EA	57804	A24 GRIPBELT		
1	EA	57805	A25 GRIPBELT		
1	EA	57806	A26 GRIPBELT		
1	EA	57807	A27 GRIPBELT		
1	EA	57808	A28 GRIPBELT		
1	EA	57809	A29 GRIPBELT		
1	EA	57810	A30 GRIPBELT		
1	EA	57811	A31 GRIPBELT		
1	EA	57812	A32 GRIPBELT		
1	EA	57813	A33 GRIPBELT		
1	EA	57814	A34 GRIPBELT		
1	EA	57815	A35 GRIPBELT		
1	EA	57816	A36 GRIPBELT		
1	EA	57817	A37 GRIPBELT		
1	EA	57818	A38 GRIPBELT		
1	EA	57819	A39 GRIPBELT		
1	EA	57820	A40 GRIPBELT		
1	EA	57821	A41 GRIPBELT		
1	EA	57822	A42 GRIPBELT		
1	EA	57823	A43 GRIPBELT		
1	EA	57824	A44 GRIPBELT		
1	EA	57825	A45 GRIPBELT		
1	EA	57826	A46 GRIPBELT		
1	EA	57827	A47 GRIPBELT		
1	EA	57830	A50 GRIPBELT		
1	EA	57831	A51 GRIPBELT		
1	EA	57832	A52 GRIPBELT		
1	EA	57833	A53 GRIPBELT		
1	EA	57835	A55 GRIPBELT		
1	EA	57836	A56 GRIPBELT		
1	EA	57837	A57 GRIPBELT		
1	EA	57839	A58 GRIPBELT		
1	EA	57840	A59 GRIPBELT		
1	EA	57841	A60 GRIPBELT		
1	EA	57842	A61 GRIPBELT		
1	EA	57843	A62 GRIPBELT		
1	EA	57845	A64 GRIPBELT		
1	EA	57846	A65 GRIPBELT		
1	EA	57847	A66 GRIPBELT		
1	EA	57848	A67 GRIPBELT		
1	EA	57849	A68 GRIPBELT		
1	EA	57850	A69 GRIPBELT		
1	EA	57851	A70 GRIPBELT		
1	EA	57852	A71 GRIPBELT		
1	EA	57853	A72 GRIPBELT		
1	EA	57854	A73 GRIPBELT		
1	EA	57855	A74 GRIPBELT		
1	EA	57856	A75 GRIPBELT		
1	EA	57857	A76 GRIPBELT		
1	EA	57858	A77 GRIPBELT		
1	EA	57860	A79 GRIPBELT		
1	EA	57861	A80 GRIPBELT		
1	EA	57862	A81 GRIPBELT		
1	EA	57866	A85 GRIPBELT		
1	EA	57871	A90 GRIPBELT		

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Super Gripbelt V-Belts—A

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	57873	A92 GRIPBELT		
1	EA	57874	A93 GRIPBELT		
1	EA	57875	A94 GRIPBELT		
1	EA	57877	A96 GRIPBELT		
1	EA	57879	A98 GRIPBELT		
1	EA	57883	A120 GRIPBELT		
1	EA	57884	A128 GRIPBELT		

Browning®

Super Gripbelts

B V-Belts



- Static conducting

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	57904	B29 GRIPBELT		
1	EA	57905	B30 GRIPBELT		
1	EA	57906	B31 GRIPBELT		
1	EA	57907	B32 GRIPBELT		
1	EA	57908	B33 GRIPBELT		
1	EA	57909	B34 GRIPBELT		
1	EA	57910	B35 GRIPBELT		
1	EA	57911	B36 GRIPBELT		
1	EA	57912	B37 GRIPBELT		
1	EA	57913	B38 GRIPBELT		
1	EA	57915	B40 GRIPBELT		
1	EA	57916	B41 GRIPBELT		
1	EA	57917	B42 GRIPBELT		
1	EA	57918	B43 GRIPBELT		
1	EA	57919	B44 GRIPBELT		
1	EA	57920	B45 GRIPBELT		
1	EA	57921	B46 GRIPBELT		
1	EA	57922	B47 GRIPBELT		
1	EA	57923	B48 GRIPBELT		
1	EA	57924	B49 GRIPBELT		
1	EA	57925	B50 GRIPBELT		
1	EA	57926	B51 GRIPBELT		
1	EA	57927	B52 GRIPBELT		
1	EA	57928	B53 GRIPBELT		
1	EA	57929	B54 GRIPBELT		
1	EA	58067	B55 GRIPBELT		
1	EA	57931	B56 GRIPBELT		
1	EA	57932	B57 GRIPBELT		
1	EA	57934	B59 GRIPBELT		
1	EA	57935	B60 GRIPBELT		
1	EA	57936	B61 GRIPBELT		
1	EA	57937	B62 GRIPBELT		
1	EA	57938	B63 GRIPBELT		
1	EA	57939	B64 GRIPBELT		
1	EA	57940	B65 GRIPBELT		
1	EA	57941	B66 GRIPBELT		
1	EA	57942	B67 GRIPBELT		
1	EA	57944	B69 GRIPBELT		
1	EA	57945	B70 GRIPBELT		
1	EA	57946	B71 GRIPBELT		
1	EA	57947	B72 GRIPBELT		
1	EA	57948	B73 GRIPBELT		
1	EA	57952	B77 GRIPBELT		
1	EA	57953	B78 GRIPBELT		
1	EA	57954	B79 GRIPBELT		
1	EA	57955	B80 GRIPBELT		
1	EA	57959	B84 GRIPBELT		
1	EA	57960	B85 GRIPBELT		

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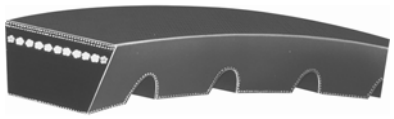
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Super Gripbelt V-Belts—B

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	57961	B86 GRIPBELT		
1	EA	57963	B88 GRIPBELT		
1	EA	57965	B90 GRIPBELT		
1	EA	57966	B91 GRIPBELT		
1	EA	57967	B92 GRIPBELT		
1	EA	57968	B93 GRIPBELT		
1	EA	57969	B94 GRIPBELT		
1	EA	57970	B95 GRIPBELT		
1	EA	57979	B98 GRIPBELT		
1	EA	57984	B99 GRIPBELT		
1	EA	57973	B100 GRIPBELT		
1	EA	57975	B103 GRIPBELT		
1	EA	57976	B105 GRIPBELT		
1	EA	57980	B112 GRIPBELT		
1	EA	57981	B120 GRIP BELT		
1	EA	58097	B124 GRIPBELT		
1	EA	58102	B140 GRIPBELT		
1	EA	58103	B144 GRIPBELT		
1	EA	58108	B162 GRIPBELT		
1	EA	58109	B173 GRIPBELT		

Browning®

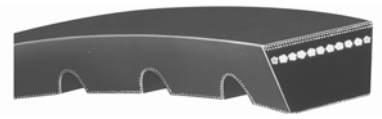
358 Gripbelts



- Oil and heat resistant
- More horsepower in less space
- Static conducting

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58361	3VX475 358 BELT		
1	EA	58366	3VX630 358 BELT		
1	EA	58367	3VX670 358 BELT		
1	EA	58368	3VX710 358 BELT		
1	EA	58370	3VX800 358 BELT		
1	EA	58371	3VX850 358 BELT		
1	EA	58380	5VX450 358 BELT		
1	EA	58385	5VX530 358 BELT		
1	EA	58387	5VX550 358 BELT		
1	EA	58391	5VX590 358 BELT		
1	EA	58395	5VX650 358 BELT		
1	EA	58398	5VX680 358 BELT		
1	EA	58399	5VX690 358 BELT		
1	EA	58400	5VX710 358 BELT		
1	EA	58402	5VX740 358 BELT		
1	EA	58410	5VX860 358 BELT		
1	EA	58414	5VX950 358 BELT		
1	EA	58415	5VX960 358 BELT		
1	EA	58422	5VX1180 358 BELT		
1	EA	58426	5VX1400 358 BELT		

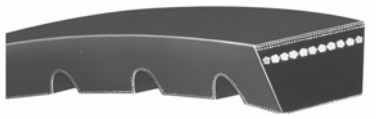
Browning® AX Gripnotch Belts



- Precision molded raw edge construction
- More horsepower in less space
- Notches are molded extra deep
- Oil and heat resistant
- Static conducting

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58130	AX20 GRIPNOTCH		
1	EA	58131	AX21 GRIPNOTCH		
1	EA	58133	AX23 GRIPNOTCH		
1	EA	58134	AX24 GRIPNOTCH		
1	EA	58135	AX25 GRIPNOTCH		
1	EA	58136	AX26 GRIPNOTCH		
1	EA	58137	AX27 GRIPNOTCH		
1	EA	58139	AX29 GRIPNOTCH		
1	EA	58140	AX30 GRIPNOTCH		
1	EA	58141	AX31 GRIPNOTCH		
1	EA	58142	AX32 GRIPNOTCH		
1	EA	58143	AX33 GRIPNOTCH		
1	EA	58144	AX34 GRIPNOTCH		
1	EA	58146	AX36 GRIPNOTCH		
1	EA	58147	AX37 GRIPNOTCH		
1	EA	58151	AX41 GRIPNOTCH		
1	EA	58152	AX42 GRIPNOTCH		
1	EA	58153	AX43 GRIPNOTCH		
1	EA	58154	AX44 GRIPNOTCH		
1	EA	58155	AX45 GRIPNOTCH		
1	EA	58156	AX46 GRIPNOTCH		
1	EA	58157	AX47 GRIPNOTCH		
1	EA	58158	AX48 GRIPNOTCH		
1	EA	58159	AX49 GRIPNOTCH		
1	EA	58160	AX50 GRIPNOTCH		
1	EA	58161	AX51 GRIPNOTCH		
1	EA	58162	AX53 GRIPNOTCH		
1	EA	58163	AX54 GRIPNOTCH		
1	EA	58166	AX57 GRIPNOTCH		
1	EA	58128	AX58 GRIPNOTCH		
1	EA	58182	AX59 GRIPNOTCH		
1	EA	58167	AX60 GRIPNOTCH		
1	EA	58168	AX62 GRIPNOTCH		
1	EA	58169	AX64 GRIPNOTCH		
1	EA	58170	AX66 GRIPNOTCH		
1	EA	58171	AX68 GRIPNOTCH		
1	EA	58172	AX70 GRIPNOTCH		
1	EA	58174	AX75 GRIPNOTCH		
1	EA	58129	AX77 GRIPNOTCH		
1	EA	58175	AX78 GRIPNOTCH		
1	EA	58180	AX96 GRIPNOTCH		

BX Gripnotch Belts



- More horsepower in less space
- Oil and heat resistant
- Static conducting
- Precision molded raw edge construction with extra deep notches

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58250	BX28 GRIPNOTCH		
1	EA	58251	BX30 GRIPNOTCH		
1	EA	58255	BX35 GRIPNOTCH		
1	EA	58256	BX36 GRIPNOTCH		
1	EA	58257	BX38 GRIPNOTCH		
1	EA	58259	BX40 GRIPNOTCH		
1	EA	58260	BX41 GRIPNOTCH		
1	EA	58261	BX42 GRIPNOTCH		
1	EA	58262	BX43 GRIPNOTCH		
1	EA	58263	BX44 GRIPNOTCH		
1	EA	58264	BX45 GRIPNOTCH		
1	EA	58265	BX46 GRIPNOTCH		
1	EA	58266	BX47 GRIPNOTCH		
1	EA	58267	BX48 GRIPNOTCH		
1	EA	58269	BX50 GRIPNOTCH		
1	EA	58270	BX51 GRIPNOTCH		
1	EA	58271	BX52 GRIPNOTCH		
1	EA	58272	BX53 GRIPNOTCH		
1	EA	58273	BX54 GRIPNOTCH		
1	EA	58274	BX55 GRIPNOTCH		
1	EA	58275	BX56 GRIPNOTCH		
1	EA	58276	BX57 GRIPNOTCH		
1	EA	58277	BX58 GRIPNOTCH		
1	EA	58278	BX59 GRIPNOTCH		
1	EA	58279	BX60 GRIPNOTCH		
1	EA	58280	BX61 GRIPNOTCH		
1	EA	58281	BX62 GRIPNOTCH		
1	EA	58282	BX63 GRIPNOTCH		
1	EA	58283	BX64 GRIPNOTCH		
1	EA	58284	BX65 GRIPNOTCH		
1	EA	58285	BX66 GRIPNOTCH		
1	EA	58286	BX67 GRIPNOTCH		
1	EA	58287	BX68 GRIPNOTCH		
1	EA	58288	BX70 GRIPNOTCH		
1	EA	58289	BX71 GRIPNOTCH		
1	EA	58292	BX74 GRIPNOTCH		
1	EA	58293	BX75 GRIPNOTCH		
1	EA	58296	BX78 GRIPNOTCH		
1	EA	58298	BX80 GRIPNOTCH		
1	EA	58301	BX83 GRIPNOTCH		
1	EA	58302	BX84 GRIPNOTCH		
1	EA	58303	BX85 GRIPNOTCH		
1	EA	58304	BX86 GRIPNOTCH		
1	EA	58308	BX90 GRIPNOTCH		
1	EA	58309	BX91 GRIPNOTCH		
1	EA	58310	BX92 GRIPNOTCH		
1	EA	58311	BX93 GRIPNOTCH		
1	EA	58313	BX95 GRIPNOTCH		
1	EA	58314	BX96 GRIPNOTCH		
1	EA	58316	BX98 GRIPNOTCH		
1	EA	58317	BX99 GRIPNOTCH		
1	EA	58319	BX103 GRIPNOTCH		
1	EA	58320	BX105 GRIPNOTCH		
1	EA	58323	BX112 GRIPNOTCH		
1	EA	58325	BX115 GRIPNOTCH		
1	EA	58327	BX120 GRIPNOTCH		
1	EA	58332	BX133 GRIPNOTCH		
1	EA	58333	BX136 GRIPNOTCH		
1	EA	58340	BX162 GRIPNOTCH		

Browning® Griptwist Belts



- Adjustable to any length.
- Ideal for center drives, vibration suppression, and hostile environments.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	PKG	58440	3LP 5 FT GRIPTWIST		
1	EA	58441	AP 5FT GRIPTWIST (5FT=1PKG)		
1	EA	58442	BP 5 FT GRIPTWIST (5FT=1PKG)		

Group 3 Registers and Filters

Group 3 Registers and Filters

Continental Supply Registers..... 3 - 1
Continental Return Registers..... 3 - 6
Continental Commercial Registers..... 3 - 9
Selkirk Supply Registers..... 3 - 11
Selkirk Return Registers..... 3 - 13
Register Frame..... 3 - 14
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Filter Accessories..... 3 - 26

Series 22 Sidewall/Ceiling Supply Registers



- Two bars per inch
- Two-way throw
- Multi-shutter damper
- Lanced face
- White steel

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
24	EA	33024	22W0806 8X6 SW SUPPLY				
24	EA	33026	22W1004 10X4 SW SUPPLY				
24	EA	33028	22W1006 10X6 SW SUPPLY				
24	EA	33032	22W1204 12X4 SW SUPPLY				
24	EA	33034	22W1206 12X6 SW SUPPLY				
16	EA	33035	22W1208 12X8 SW SUPPLY				
24	EA	33036	22W1404 14X4 SW SUPPLY				
24	EA	33040	22W1406 14X6 SW SUPPLY				

Series X22 Sidewall/Ceiling Registers

Economy



- Two bars per inch
- Two-way throw
- Multi-shutter damper
- Lanced face
- White and brown steel

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
20	EA	33336	X22W1004 10X4 WHITE 1/2" SPACE 2-WAY REGISTER WITH DAMPER				
20	EA	33338	X22W1006 10X6 WHITE 1/2" SPACE 2-WAY REGISTER WITH DAMPER				
20	EA	33339	X22W1204 12X4 WHITE 1/2" SPACE 2-WAY REGISTER WITH DAMPER				
20	EA	33343	X22W1206 12X6 WHITE 1/2" SPACE 2-WAY REGISTER WITH DAMPER				

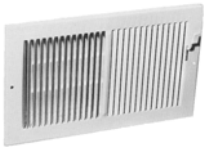
Series 23 Sidewall/Ceiling Supply Registers



- Two bars per inch
- Two-way throw
- Multi-shutter damper
- Lanced face
- White steel

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
24	EA	33044	23W1006 10X6 3-WAY DIFF				
24	EA	33045	23W1206 12X6 3-WAY DIFF				

Series 32 Sidewall/Ceiling Supply Registers

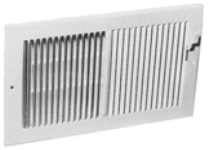


- Three bars per inch
- Two-way throw
- Multi-shutter damper
- Lanced face
- White steel

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
24	EA	33224	32W0804 8X4 SW SUPPLY				
24	EA	33226	32W1004 10X4 SW SUPPLY				
24	EA	33232	32W1204 12X4 SW SUPPLY				
24	EA	33236	32W1404 14X4 SW SUPPLY				
24	EA	33225	32W0806 8X6 SW SUPPLY				
24	EA	33228	32W1006 10X6 SW SUPPLY				
24	EA	33234	32W1206 12X6 SW SUPPLY				
24	EA	33240	32W1406 14X6 SW SUPPLY				
16	EA	33227	32W1008 10X8 SW SUPPLY				
16	EA	33233	32W1208 12X8 SW SUPPLY				
16	EA	33235	32W1408 14X8 SW SUPPLY				

Series X32 Sidewall/Ceiling Registers

Economy



- Three bars per inch
- Two-way throw
- Multi-shutter damper
- Lanced face
- White steel

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
20	EA	33342	X32W1004 10X4 WHITE 1/3" SPACE 2-WAY REGISTER WITH DAMPER				
20	EA	33345	X32W1006 10X6 WHITE 1/3" SPACE 2-WAY REGISTER WITH DAMPER				
20	EA	33344	X32W1204 12X4 WHITE 1/3" SPACE 2-WAY REGISTER WITH DAMPER				

Continental Industries
Authorized Distributor

ODP Series Plaque Diffusers

Omnidirectional

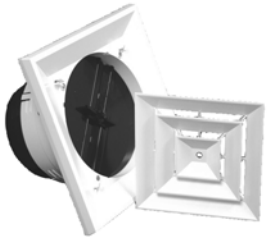


- Steel construction
- 360° air diffusion
- Quiet, unobtrusive operation
- Heavy-gauge plaque with corner radius
- Fixed collars in 6", 8", and 10"
- Non-collar models for use with separate 5400
- Series snap-in collar

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
1	EA	33216	OPD06NI 6 IN NON-INSULATED OMNI DIRECTIONAL PLAQUE DIFFUSER				
1	EA	33217	OPD08NI 8 IN NON-INSULATED OMNI DIRECTIONAL PLAQUE DIFFUSER				
1	EA	33218	OPD10NI 10 IN NON-INSULATED OMNI DIRECTIONAL PLAQUE DIFFUSER				
1	EA	33219	OPDANI NO COLLAR NON INSULATED OMNIDIRECTIONAL PLAQUE DIFFUSE				

Continental Industries
Authorized Distributor

P19 Square Ceiling Supply Diffuser



- Unit: 8" x 8"
- Outside Dimensions: 11-1/4" x 11-1/4"
- Adjustable collar fits 6", 7" or 8" flex duct
- Diffuser, damper, and outlet assembly all in one
- 4-way airthrow
- White finish

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
5	EA	33501	P19W08084 SQUARE AIR DIFFUSER				

Continental Industries
Authorized Distributor

P20 Round Ceiling Supply Diffuser



- Unit: 8"
- External Diameter: 12-1/8"
- Adjustable collar fits 6", 7", or 8" flex duct
- Diffuser, damper, and outlet assembly all in one
- 360° throw pattern
- White finish

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
4	EA	33506	P20W08 ROUND AIR DIFFUSER				

Continental Industries
Authorized Distributor

Series 16 Ceiling Supply Diffusers



- Steel construction
- Step-down design
- 360 degree deflection
- White finish

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
10	EA	33211	1606 6IN W CEILING DIFFUSER				
10	EA	33212	1608 8IN W CEILING DIFFUSER				
10	EA	33213	1610 10IN W CEILING DIFFUSER				
10	EA	33214	1612 12IN W CEILING DIFFUSER				
10	EA	33215	1614 14IN W CEILING DIFFUSER				

Continental Industries
Authorized Distributor

Series 12B Butterfly Damper with Duct Ring



- Steel construction
- Autumn brown finish

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
10	EA	33200	12B06D 6IN RD DAMPER W/DUCT RING				
10	EA	33201	12B08D 8IN RD DAMPER W/DUCT RING				
10	EA	33202	12B10D 10IN RD DAMPER W/DUCT RING				
10	EA	33203	12B12D 12IN RD DAMPER W/DUCT RING				
10	EA	33204	12B14D 14IN RD DAMPER W/DUCT RING				

Continental Industries
Authorized Distributor

Series 11 Ceiling Diffuser Installation Duct Rings



- Galvanized steel construction
- Use with Series 16 ceiling diffuser
- Allows quick installation when no damper used

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
10	EA	33205	1106DR 6IN DUCT RING				
10	EA	33206	1108DR 8IN DUCT RING				
10	EA	33207	1110DR 10IN DUCT RING				
10	EA	33208	1112DR 12IN DUCT RING				
10	EA	33209	1114DR 14IN DUCT RING				

Continental Industries
Authorized Distributor

Series 28 Floor Supply Registers



- Steel construction
- Opposed blade damper
- Autumn brown or white finish
- Rolled Face
- Reinforced

Size	Free Area Sq. In.	Face Velocity	300	400	500	600	700	800	900	1000
2-1/4 x 10	14	CFM	29	38	48	58	68	77	87	97
		PL	.001	.009	.017	.026	.035	.045	.062	.077
		Throw (Ft.)	2	3	3.5	4	4.5	5	6	6.5
		Spread	3.5	4.5	5	6.5	7.5	8.5	10	11
2-1/4 x 12	17	CFM	35	47	59	70	82	94	106	118
		PL	.001	.009	.018	.027	.037	.052	.66	.082
		Throw (Ft.)	2	3	3.5	4	4.5	5.5	6	7
		Spread	3.5	5	6	7	8	10	11	12
2-1/4 x 14	19	CFM	39	52	65	79	92	105	118	131
		PL	.002	.010	.020	.030	.039	.048	.057	.067
		Throw (Ft.)	2.5	3	3.5	4.5	5	6	6.5	7.5
		Spread	3.5	4.5	6	7	8.5	10	11.5	12.5
4 x 8	20	CFM	41	55	69	83	97	111	124	138
		PL	.001	.011	.020	.029	.038	.049	.060	.075
		Throw(Ft.)	2	2.5	3	3.5	4	4.5	5	6
		Spread	3	4	5	6	7	8	9	10
4 x 10	25	CFM	52	69	86	104	121	138	156	173
		PL	.003	.013	.021	.031	.038	.052	.066	.082
		Throw (Ft.)	2.5	3	4	4.5	5.5	6.5	7	8
		Spread	4	5.5	6.5	8.5	9.5	11	12.5	14
4 x 12	30	CFM	62	83	104	124	145	166	187	208
		PL	.004	.011	.019	.025	.037	.048	.062	.075
		Throw (Ft.)	2.5	3.5	4	5.5	6	7	8	8.5
		Spread	4	6	7.5	9	10.5	12	13.5	15.5
4 x 14	35	CFM	72	97	121	145	170	194	218	243
		PL	.004	.012	.019	.026	.037	.048	.062	.076
		Throw (Ft.)	3	4	5	6	7	7.5	8.5	9.5
		Spread	4.5	6.5	8.5	9.5	11.5	13	14	16.5

NOTE PL = Total pressure loss in W.G.; Spread = Horizontal distance of air pattern at 50 FPM; Throw = Feet at 50 FPM; Face Velocity = Average calculated velocity in FPM.

White

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
24	EA	33006	28W0210 2 1/4X10 FLR SUPPLY				
24	EA	33005	28W0212 2 1/4X12 FLR SUPPLY				
24	EA	33003	28W0214 2 1/4X14 FLR SUPPLY				
24	EA	33007	28W0410 4X10 FLR SUPPLY				
24	EA	33008	28W0412 4X12 FLR SUPPLY				
24	EA	33009	28W0414 4X14 FLR SUPPLY				
24	EA	33013	28W0610 6X10 FLR SUPPLY				

Brown

24	EA	33010	28B0210 2 1/4X10 FLR SUPPLY				
24	EA	33012	28B0212 2 1/4X12 FLR SUPPLY				
24	EA	33014	28B0214 2 1/4X14 FLR SUPPLY				
24	EA	33577	28B0408 4X8 FLR SUPPLY				
24	EA	33016	28B0410 4X10 FLR SUPPLY				
24	EA	33018	28B0412 4X12 FLR SUPPLY				
24	EA	33020	28B0414 4X14 FLR SUPPLY				
24	EA	33015	28B0610 6X10 FLR SUPPLY				
24	EA	33019	28B0612 6X12 FLR SUPPLY				
24	EA	33002	28B0614 6X14 FLR SUPPLY				

Decorator Floor Supply Registers

Continental Industries
Authorized Distributor

Extrordinair® Almond floor supply register.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	33570	31558 4X10 ALMOND FLR SUPPLY	

Series F20 Floor Supply Registers



- Multi-shutter damper
- Steel construction
- Bar-faced
- Golden brown finish
- Extremely rigid
- Firm smooth surface

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
10	EA	33287	F20B0610 6X10 FLR SUPPLY				
10	EA	33288	F20B0612 6X12 FLR SUPPLY				
10	EA	33289	F20B0810 8X10 FLR SUPPLY				
10	EA	33290	F20B0812 8X12 FLR SUPPLY				
10	EA	33291	F20B0912 9X12 FLR SUPPLY				
5	EA	33292	F20B1012 10X12 FLR SUPPLY				
5	EA	33293	F20B1214 12X14 FLR SUPPLY				

Sunburst Baseboard Supply Registers



- Sunburst design
- 1/3" spaced fins
- Steel construction
- Lanced face
- Prestige White

Free Area Square In.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
31.6	10	EA	33560	150W 15IN SUNBURST BB SUPPLY				
38	10	EA	33561	180W 18IN SUNBURST BB SUPPLY				
50.6	10	EA	33562	240W 24IN SUNBURST BB SUPPLY				

Series 51 Baseboard Supply Registers



- Three bars per inch
- Single damper
- Lanced face
- White steel

Free Area Square In.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
34	20	EA	33050	51W1006 10X6 BASEBOARD DIFFUSER				
42	20	EA	33051	51W1206 12X6 BASEBOARD DIFFUSER				
50	10	EA	33052	51W1406 14X6 BASEBOARD DIFFUSER				

Series 54 Baseboard Supply Registers



- 1/3 inch spaced fins
- Single damper
- Positive volume control
- 7/8 inch extension
- Lanced face
- White finish

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
10	EA	33173	54W1006 10X6 BB SUPPLY				
10	EA	33174	54W1206 12X6 BB SUPPLY				
10	EA	33175	54W1406 14X6 BB SUPPLY				

Series TG32 Baseboard Supply Registers



- Steel construction
- Rolled face

Free Area Square In.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
14	24	EA	33025	TG32W1003 10X2 1/4 TOE SPACE DIFFUSER WHITE				
17	24	EA	33004	TG32W1203 12X2 1/4 TOE SPACE DIFFUSER WHITE				
14	24	EA	33021	TG32B1003 10X2 1/4 TOE SPACE DIFFUSER BROWN				
17	24	EA	33022	TG32B1203 12X2 1/4 TOE SPACE DIFFUSER BROWN				
19	24	EA	33023	TG32B1403 14X2 1/4 TOE SPACE DIFFUSER BROWN				

Continental Industries
Authorized Distributor

Series G25 Sidewall Return Air Grilles

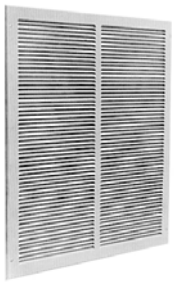


- 1/2 inch spaced fins
- Lanced face
- White steel

Free Area Square In.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
21	20	EA	33057	G25W1004 10X4 SW RETURN				
34	20	EA	33058	G25W1006 10X6 SW RETURN				
63	10	EA	33060	G25W1010 10X10 SW RETURN				
42	20	EA	33066	G25W1206 12X6 SW RETURN				
59	20	EA	33068	G25W1208 12X8 SW RETURN				
93	10	EA	33072	G25W1212 12X12 SW RETURN				
175	10	EA	33071	G25W1220 12X20 SW RETURN				
50	20	EA	33078	G25W1406 14X6 SW RETURN				
70	20	EA	33080	G25W1408 14X8 SW RETURN				
90	10	EA	33082	G25W1410 14X10 SW RETURN				
111	10	EA	33084	G25W1412 14X12 SW RETURN				
131	10	EA	33085	G25W1414 14X14 SW RETURN				
180	10	EA	33088	G25W1420 14X20 SW RETURN				
231	10	EA	33089	G25W1424 14X24 SW RETURN				
73	10	EA	33090	G25W1608 16X8 SW RETURN				
93	10	EA	33076	G25W1610 16X10 SW RETURN				
156	10	EA	33098	G25W1616 16X16 SW RETURN				
207	10	EA	33142	G25W1620 16X20 SW RETURN				
216	10	EA	33108	G25W1818 18X18 SW RETURN				
69	10	EA	33110	G25W2006 20X6 SW RETURN				
97	10	EA	33111	G25W2008 20X8 SW RETURN				
125	10	EA	33113	G25W2010 20X10 SW RETURN				
152	10	EA	33114	G25W2012 20X12 SW RETURN				
180	10	EA	33116	G25W2014 20X14 SW RETURN				
207	10	EA	33118	G25W2016 20X16 SW RETURN				
263	10	EA	33120	G25W2020 20X20 SW RETURN				
85	10	EA	33124	G25W2406 24X6 SW RETURN				
119	10	EA	33126	G25W2408 24X8 SW RETURN				
153	10	EA	33127	G25W2410 24X10 SW RETURN				
187	10	EA	33128	G25W2412 24X12 SW RETURN				
221	10	EA	33129	G25W2414 24X14 SW RETURN				
390	10	EA	33134	G25W2424 24X24 SW RETURN				
106	10	EA	33138	G25W3006 30X6 SW RETURN				
148	10	EA	33140	G25W3008 30X8 SW RETURN				
191	10	EA	33141	G25W3010 30X10 SW RETURN				
276	10	EA	33144	G25W3014 30X14 SW RETURN				
544	10	EA	33143	G25W3024 30X24 SW RETURN				

Continental Industries
Authorized Distributor

Series G35 Sidewall Return Air Grilles



- 1/3 inch spaced fins
- Lanced face
- White steel

Free Area Square In.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
27	20	EA	33255	G35W0806 8X6 SW RETURN				
37	20	EA	33256	G35W0808 8X8 SW RETURN				
21	20	EA	33257	G35W1004 10X4 SW RETURN				
34	20	EA	33258	G35W1006 10X6 SW RETURN				
48	20	EA	33259	G35W1008 10X8 SW RETURN				
63	12	EA	33260	G35W1010 10X10 SW RETURN				
140	20	EA	33265	G35W1204 12X4 SW RETURN				
42	20	EA	33266	G35W1206 12X6 SW RETURN				
59	20	EA	33267	G35W1208 12X8 SW RETURN				
93	12	EA	33272	G35W1212 12X12 SW RETURN				
131	20	EA	33253	G35W1404 14X4 SW RETURN				
50	20	EA	33278	G35W1406 14X6 SW RETURN				
70	20	EA	33280	G35W1408 14X8 SW RETURN				
90	12	EA	33281	G35W1410 14X10 SW RETURN				
111	12	EA	33284	G35W1412 14X12 SW RETURN				
131	12	EA	33285	G35W1414 14X14 SW RETURN				
73	12	EA	33254	G35W1608 16X8 SW RETURN				
156	12	EA	33286	G35W1616 16X16 SW RETURN				
140	12	EA	33283	G35W1812 18X12 SW RETURN				
216	12	EA	33282	G35W1818 18X18 SW RETURN				
97	12	EA	33279	G35W2008 20X8 SW RETURN				
125	12	EA	33323	G35W2010 20X10 SW RETURN				
180	12	EA	33277	G35W2014 20X14 SW RETURN				
207	12	EA	33273	G35W2016 20X16 SW RETURN				
263	12	EA	33274	G35W2020 20X20 SW RETURN				
85	12	EA	33230	G35W2406 24X6 SW RETURN				
119	12	EA	33276	G35W2408 24X8 SW RETURN				
153	12	EA	33271	G35W2410 24X10 SW RETURN				
187	12	EA	33270	G35W2412 24X12 SW RETURN				
221	12	EA	33269	G35W2414 24X14 SW RETURN				
254	12	EA	33268	G35W2416 24X16 SW RETURN				
106	12	EA	33231	G35W3006 30X6 SW RETURN				
148	12	EA	33262	G35W3008 30X8 SW RETURN				
233	12	EA	33263	G35W3012 30X12 SW RETURN				
276	12	EA	33264	G35W3014 30X14 SW RETURN				

Continental Industries
Authorized Distributor

Series FG2 Return Air Filter Grilles



- 1/2 inch spaced fins
- Removable face
- Lanced face
- Uses 1 inch filter (not included)
- Thumb latch for easy opening
- White finish

Free Area Square In.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
202	1	EA	33167	FG2W1620 16X20 FILTER GRILLE				
246	1	EA	33169	FG2W1425 14X25 FILTER GRILLE				
254	1	EA	33170	FG2W1625 16X25 FILTER GRILLE				
133	1	EA	33176	FG2W1414 14X14 FILTER GRILLE				
199	1	EA	33177	FG2W1224 12X24 FILTER GRILLE				
195	1	EA	33178	FG2W1420 14X20 FILTER GRILLE				
72	5	EA	33179	FG2W1408 14X8 FILTER GRILLE				
196	1	EA	33180	FG2W1616 16X16 FILTER GRILLE				
212	1	EA	33181	FG2W2016 20X16 FILTER GRILLE				
268	1	EA	33182	FG2W2020 20X20 FILTER GRILLE				
225	1	EA	33183	FG2W2414 24X14 FILTER GRILLE				
183	1	EA	33184	FG2W2014 20X14 FILTER GRILLE				
339	1	EA	33185	FG2W2025 20X25 FILTER GRILLE				
230	1	EA	33189	FG2W2514 25X14 FILTER GRILLE				
265	1	EA	33190	FG2W2516 25X16 FILTER GRILLE				
180	1	EA	33191	FG2W1220 12X20 FILTER GRILLE				
336	1	EA	33192	FG2W2520 25X20 FILTER GRILLE				

Continental Industries
Authorized Distributor

Series F25 Bar-Faced Floor Return Grilles



- Steel construction
- Bar-faced
- Golden brown finish
- Extremely rigid
- Firm smooth surface

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
4	EA	33294	F25B0610 6X10 FLR GRILLE				
4	EA	33295	F25B0612 6X12 FLR GRILLE				
4	EA	33296	F25B0614 6X14 FLR GRILLE				
4	EA	33297	F25B0624 6X24 FLR GRILLE				
4	EA	33298	F25B0630 6X30 FLR GRILLE				
4	EA	33299	F25B0810 8X10 FLR GRILLE				
4	EA	33300	F25B0812 8X12 FLR GRILLE				
4	EA	33301	F25B0814 8X14 FLR GRILLE				
4	EA	33302	F25B0824 8X24 RTN GRILLE				
4	EA	33303	F25B0830 8X30 FLR GRILLE				
4	EA	33304	F25B1012 10X12 FLR GRILLE				
4	EA	33311	F25B1024 10X24 FLR GRILLE				
4	EA	33309	F25B1030 10X30 FLR GRILLE				
4	EA	33305	F25B1214 12X14 FLR GRILLE				
4	EA	33306	F25B1224 12X24 FLR GRILLE				
4	EA	33310	F25B1230 12X30 FLR GRILLE				
4	EA	33307	F25B1416 14X16 FLR GRILLE				
4	EA	33308	F25B1630 16X30 FLR GRILLE				

Continental Industries
Authorized Distributor

Series BG Baseboard Return Grilles



Features

- 7/8" extension
- Steel construction
- White finish

BG21: 1/2" spaced fins
BG31: 1/3" space fins

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
24	EA	33148	BG21W1006 10X6 BB RETURN				
24	EA	33149	BG21W1206 12X6 BB RETURN				
24	EA	33150	BG21W1406 14X6 BB RETURN				
24	EA	33151	BG21W1408 14X8 BB RETURN				
5	EA	33152	BG21W2406 24X6 BB RETURN				
5	EA	33153	BG21W2408 24X8 BB RETURN				
5	EA	33162	BG21W2410 24X10 BB RETURN				
5	EA	33161	BG31W2410 24X10 BB RETURN				
5	EA	33154	BG21W3006 30X6 BB RETURN				
5	EA	33155	BG21W3008 30X8 BB RETURN				

Continental Industries
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Series BEG31 Baseboard Return Grilles



- Steel construction
- 1/3" spaced fins
- Lanced face
- Extended base
- White finish

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
24	EA	33156	BEG31W1206 12X6 BB RETURN				
24	EA	33157	BEG31W1406 14X6 BB RETURN				
10	EA	33158	BEG31W2406 24X6 BB RETURN				
10	EA	33159	BEG31W3006 30X6 BB RETURN				
10	EA	33160	BEG31W3008 30X8 BB RETURN				

Continental Industries
Authorized Distributor

CS106PR Commercial T-Bar Return Grille

R6 Fiberglass Plenum

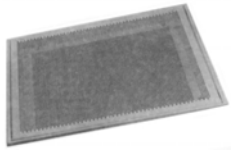


- Perforated face, white
- Steel construction
- 51% free area of face

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
6	EA	33324	CS106PR 2X2 R6 PLENUM PERFORATED T-BAR RETURN DIFFUSER				

Continental Industries
Authorized Distributor

T-Bar Commercial Filter Grilles



- Perforated face
- Steel construction
- White finish

TP2: 2' x 2'
TP106: 2' x 2' with R6 fiberglass plenum

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
1	EA	33335	TL2 1/2" LOUVERED T-BAR				
1	EA	33172	TP106 2X2 PERF R6 PLENUM FILTER GRILLE				

BHV Commercial T-Bar Supply Diffusers

High Volume

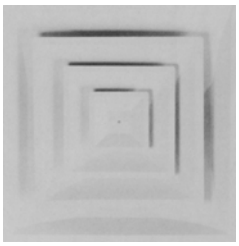


- No insulation
- 3 cone drop design
- Heavy gauge steel plenum
- Formed steel back panel
- Removable core
- White finish
- Seismic tabs
- High volume of air delivery with 360° diffusion

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
1	EA	33510	BHV06NI HIGH VOLUME DIFFUSER				
1	EA	33511	BHV08NI HIGH VOLUME DIFFUSER				
1	EA	33512	BHV10NI HIGH VOLUME DIFFUSER				
1	EA	33513	BHV12NI HIGH VOLUME DIFFUSER				
1	EA	33514	BHV14NI HIGH VOLUME DIFFUSER				

HVSA Commercial T-Bar Supply Diffuser

High Volume



- High volume air delivery with 360° diffusion
- Formed steel back panel
- Fiberglas insulation with vapor barrier foil to reduce condensation
- Removable core
- Insulation blanket prescored to accommodate various collar sizes
- Utilizes snap-in collar (5400 Series)
- Accepts butterfly damper (3700 Series)
- Damper adjusted through diffuser face to allow proper air balancing
- Utilizes steel plenum
- White finish
- Seismic tabs

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
1	EA	33325	HVS06 6" FIXED COLLAR HIGH VOLUME T-BAR DIFFUSER				
1	EA	33326	HVS08 8" FIXED COLLAR HIGH VOLUME T-BAR DIFFUSER				
1	EA	33327	HVS10 10" FIXED COLLAR HIGH VOLUME T-BAR DIFFUSER				
1	EA	33328	HVS12 12" FIXED COLLAR HIGH VOLUME T-BAR DIFFUSER				
1	EA	33329	HVS14 14" FIXED COLLAR HIGH VOLUME T-BAR DIFFUSER				

RVML Commercial Sidewall/Ceiling Supply Diffuser

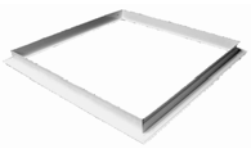


- Sidewall/ceiling
- Single deflection-steel frame
- Multi-shutter damper
- Adjustable steel rollform vertical face blades
- White finish

Free Area Square In.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
26	24	EA	33315	RVMLW1204 12X4 COMM SW/CEILING DIFFUSER	

Continental Industries
Authorized Distributor

Aluminum Surface Mount Frame



This surface mount frame is made of extruded aluminum and is versatile and sturdy. It allows for the installation of lay-in diffusers and grilles in a framed sheet rock opening. It can also be used for ceiling access.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	33029	ASMFW2424 24X24 ALUMINUM SURFACE MOUNT FRAME	—

Continental Industries
Authorized Distributor

Series 3800 Commercial Butterfly Dampers

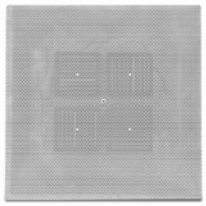


- Standard butterfly damper
- Galvanized steel construction
- Removable T-bar handle included
- Use with Series 54000 collars or any fixed collar

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
12	EA	33330	3806 6" T-BAR DAMPER	—	—	—	—
12	EA	33331	3808 8" T-BAR DAMPER	—	—	—	—
10	EA	33332	3810 10" T-BAR DAMPER	—	—	—	—
10	EA	33333	3812 12" T-BAR DAMPER	—	—	—	—
8	EA	33334	3814 14" T-BAR DAMPER	—	—	—	—

SELKIRK.

782-SA Perforated T-Bar Diffuser



Perforated face supply T-Bar lay-in diffuser with 4-way pattern deflectors.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
4	EA	36745	782-SA 24X24 PERFORATED DIFFUSER	—	—	—	—

SELKIRK.

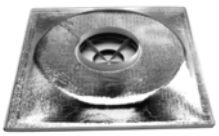
800-DO T-Bar Damper



Rounded ceiling damper.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
10	EA	36770	800-DO 6IN T BAR DAMPER	—	—	—	—
10	EA	36771	800-DO 8IN T BAR DAMPER	—	—	—	—
10	EA	36772	800-DO 10IN T BAR DAMPER	—	—	—	—
10	EA	36773	800-DO 12IN T BAR DAMPER	—	—	—	—

SELKIRK. 1300 and 1301-INS Insulated High Volume Diffuser



- High volume 3-cone face with 2" collar and insulation.
- Model 1301 also includes damper.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
2	EA	36750	1300-INS 6IN INSULATED HIGH VOL DIFF W/COLLAR	—	—	—	—
2	EA	36751	1300-INS 8IN INSULATED HIGH VOL DIFF W/COLLAR	—	—	—	—
2	EA	36700	1301-INS 8IN INSULATED HIGH VOL DIFF W/COLLAR & DAMP	—	—	—	—
2	EA	36752	1300-INS 10IN INSULATED HIGH VOL DIFF W/COLLAR	—	—	—	—
2	EA	36753	1300-INS 12IN INSULATED HIGH VOL DIFF W/COLLAR	—	—	—	—

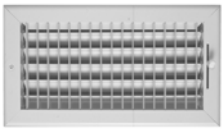
SELKIRK. 1300 Uninsulated Diffuser



High volume 3-cone face with 2" collar.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
2	EA	36760	1300 6IN UNINSULATED DIFFUSER W/COLLAR	—	—	—	—
2	EA	36761	1300 8IN UNINSULATED DIFFUSER W/COLLAR	—	—	—	—
2	EA	36762	1300 10IN UNINSULATED DIFFUSER W/COLLAR	—	—	—	—
2	EA	36763	1300 12IN UNINSULATED DIFFUSER W/COLLAR	—	—	—	—
2	EA	36764	1300 14IN UNINSULATED DIFFUSER W/COLLAR	—	—	—	—

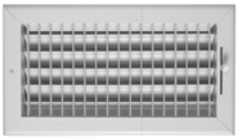
SELKIRK. E200-VM Sidewall Supply Registers



- Vertical single deflection air foils with multi-shutter damper
- Extruded aluminum frame
- White EDP finish
- Individually adjustable extruded aluminum air foil

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
10	EA	36902	E200-VM 8X8 WHITE SW SUPPLY REGISTER	—	—
10	EA	36903	E200-VM 10X4 WHITE SW SUPPLY REGISTER	—	—
10	EA	36904	E200-VM 10X6 WHITE SW SUPPLY REGISTER	—	—
10	EA	36905	E200-VM 12X4 WHITE SW SUPPLY REGISTER	—	—
10	EA	36906	E200-VM 12X6 WHITE SW SUPPLY REGISTER	—	—
10	EA	36907	E200-VM 12X8 WHITE SW SUPPLY REGISTER	—	—
10	EA	36908	E200-VM 14X4 WHITE SW SUPPLY REGISTER	—	—
10	EA	36909	E200-VM 14X6 WHITE SW SUPPLY REGISTER	—	—
10	EA	36910	E200-VM 14X8 WHITE SW SUPPLY REGISTER	—	—
10	EA	36911	E200-VM 16X6 WHITE SW SUPPLY REGISTER	—	—
10	EA	36912	E200-VM 16X8 WHITE SW SUPPLY REGISTER	—	—
10	EA	36913	E200-VM 16X10 WHITE SW SUPPLY REGISTER	—	—
10	EA	36914	E200-VM 18X6 WHITE SW SUPPLY REGISTER	—	—
10	EA	36915	E200-VM 18X8 WHITE SW SUPPLY REGISTER	—	—
10	EA	36916	E200-VM 20X6 WHITE SW SUPPLY REGISTER	—	—
10	EA	36917	E200-VM 20X8 WHITE SW SUPPLY REGISTER	—	—
10	EA	36918	E200-VM 20X12 WHITE SW SUPPLY REGISTER	—	—
6	EA	36920	E200-VM 24X8 WHITE SW SUPPLY REGISTER	—	—
6	EA	36921	E200-VM 24X10 WHITE SW SUPPLY REGISTER	—	—
6	EA	36922	E200-VM 24X12 WHITE SW SUPPLY REGISTER	—	—
6	EA	36923	E200-VM 30X6 WHITE SW SUPPLY REGISTER	—	—

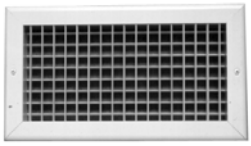
SELKIRK. 220-V Sidewall Supply Register



Vertical adjustable type air foil with multi-shutter damper.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
10	EA	36940	220V 10X4 WHITE SW REGISTER	—	—
10	EA	36942	220V 10X6 WHITE SW REGISTER	—	—
10	EA	36941	220V 12X4 WHITE SW REGISTER	—	—
10	EA	36945	220V 12X6 WHITE SW REGISTER	—	—
10	EA	36946	220V 14X6 WHITE SW REGISTER	—	—

SELKIRK. E240-V/O Sidewall Supply Registers



- Double deflection vertical front and horizontal rear air foil.
- Extruded aluminum frame.
- White finish.
- Individually adjustable extruded aluminum air foil.

Grille Only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	36820	E240-V 16X8 WHITE SW SUPPLY REGISTER	—	—

Grille with Key Operated Opposed Blade Damper

5	EA	36950	E240-VO 10X6 WHITE SW SUPPLY REGISTER	—	—
5	EA	36951	E240-VO 12X6 WHITE SW SUPPLY REGISTER	—	—

SELKIRK. E280 Sidewall Return Registers



Series E280 return grille is ideal for commercial or residential construction. Can also be used as an economical supply grille.

- Fixed Bar Grille
- Extruded aluminum construction
- White EDP finish
- Horizontal louvers fixed at 45° angle

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
12	EA	36836	E280 10X6 WHITE SW RETURN REGISTER	—	—
12	EA	36837	E280 12X6 WHITE SW RETURN REGISTER	—	—
12	EA	36838	E280 12X8 WHITE SW RETURN REGISTER	—	—
12	EA	36839	E280 12X12 WHITE SW RETURN REGISTER	—	—
12	EA	36840	E280 14X6 WHITE SW RETURN REGISTER	—	—
12	EA	36841	E280 14X8 WHITE SW RETURN REGISTER	—	—
12	EA	36842	E280 14X10 WHITE SW RETURN REGISTER	—	—
4	EA	36863	E280 14X14 WHITE SW RETURN REGISTER	—	—
12	EA	36849	E280 20X12 WHITE SW RETURN REGISTER	—	—
4	EA	36852	E280 20X20 WHITE SW RETURN REGISTER	—	—
10	EA	36855	E280 24X12 WHITE SW RETURN REGISTER	—	—
5	EA	36856	E280 24X14 WHITE SW RETURN REGISTER	—	—
5	EA	36857	E280 24X18 WHITE SW RETURN REGISTER	—	—
10	EA	36867	E280 30X6 WHITE SW RETURN REGISTER	—	—
10	EA	36858	E280 30X8 WHITE SW RETURN REGISTER	—	—
10	EA	36868	E280 30X10 WHITE SW RETURN REGISTER	—	—
10	EA	36859	E280 30X12 WHITE SW RETURN REGISTER	—	—
5	EA	36860	E280 30X14 WHITE SW RETURN REGISTER	—	—

SELKIRK. E280FF Filter Grille



Series E280FF is designed for both commercial and residential applications. Provides easy access for filter changes.

- Fixed bar
- Heavy extruded aluminum construction
- White EDP finish
- Horizontal face bars set at 45° angle
- Hinged face fits flush into frame

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	36880	E280FF 20X16 WHITE FILTER GRILLE	—	—
1	EA	36881	E280FF 20X20 WHITE FILTER GRILL	—	—

SELKIRK. TB170FF T-Bar Filter Grille

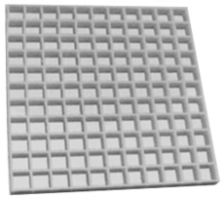


- Lanced-faced design
- 1/2" blade spacing
- Flush, removable face can be installed in any direction
- Bright white finish
- Uses 1" disposable filters (not included)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
1	EA	36746	TB170FF 2X2 UNINSULATED T BAR FILTER GRILL	—	—	—	—

DIVERSITECH Egg Crate Plastic Return Grille Panel

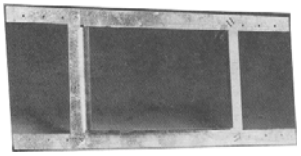
For T-Bar Ceilings



- Excellent as ceiling return air inlet
- Lightweight, easy to install, easy to remove
- May also be used for lighting
- White polystyrene 1/2" open cell grid

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	30680	650-100 1/2X24X48 EGG CRATE	—	—

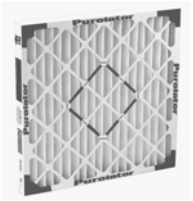
Southwark METAL MFG. CO. Sidewall Stud Frame



- Horizontal arms provide offset positioning between 16" studding centers.
- All steel construction.
- Permits good plaster base right up to frame.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	10670	31106 10X6 STUD FRAME	—	—
25	EA	10671	31126 12X6 STUD FRAME	—	—
25	EA	10672	31146 14X6 STUD FRAME	—	—
25	EA	10808	31148 14X8 STUD FRAME	—	—
25	EA	10678	31246 24X6 STUD FRAME	—	—
25	EA	10674	31306 30X6 STUD FRAME	—	—
25	EA	10795	31308 30X8 STUD FRAME	—	—

Synthetic MERV 8 Pleated Filters
High Efficiency



1 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
12	EA	48438	5266883603 8X16X1 HE40 SP1-SNG PLEATED FILTER				
12	EA	48360	5267302161 10X20X1 HE40-STD1 MERV 8 PLEATED				
12	EA	48436	5266862946 12X16X1 HE40-STD1 PLEATED FILTER				
12	EA	48361	5267302164 14X20X1 HE40-STD1 MERV 8 PLEATED				
12	EA	48352	5266881000 14X21X1 HE40 SP1-SNG MERV 8 PLEATED				
12	EA	48364	5267325006 15X30X1 HE40-STD1 MERV 8 PLEATED				
12	EA	48356	5267302008 16X20X1 HE40-STD1 MERV 8 PLEATED				
12	EA	48357	5267302009 16X25X1 HE40-STD1 MERV 8 PLEATED				
12	EA	48353	5266881644 17-1/2X17-1/2X1 HE40 SP1-SNG MERV 8 PLEATED				
12	EA	48358	5267302010 20X20X1 HE40-STD1 MERV 8 PLEATED				
12	EA	48363	5267320011 20X25X1 HE40-STD1 MERV 8 PLEATED				
12	EA	48359	5267302012 24X24X1 HE40-STD1 MERV 8 PLEATED				
12	EA	48354	5266882922 25X28X1 HE40 SP1-SNG MERV 8 PLEATED				

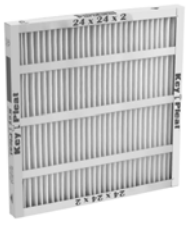
2 Inch

12	EA	48355	5266968258 9X22X2 HE40 SP2-SNG MERV 8 PLEATED				
12	EA	48376	5267442069 12X12X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48369	5267402032 12X24X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48371	5267402182 14X20X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48393	5267402184 15X20X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48431	5266981285 15X25X2 HE40 MERV 8 PLEATED FILTER				
12	EA	48375	5267432907 16X16X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48365	5267402028 16X20X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48366	5267402029 16X25X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48373	5267402188 18X20X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48367	5267402030 20X20X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48374	5267402193 20X24X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48368	5267402031 20X25X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48370	5267402033 24X24X2 HE40-STD2 MERV 8 PLEATED				
12	EA	48437	5266981560 30X16X2 HE40 SP2-SNG PLEATED FILTER				

4 Inch

6	EA	48378	5267502053 16X25X4 HE40-STD4 MERV 8 PLEATED				
6	EA	48380	5267502065 18X24X4 HE40-STD4 MERV 8 PLEATED				
6	EA	48379	5267502054 20X20X4 HE40-STD4 MERV 8 PLEATED				
6	EA	48377	5267502034 24X24X4 HE40-STD4 MERV 8 PLEATED				

Synthetic MERV 8 Key Pleat Filters
High Efficiency



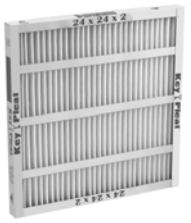
2 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
12	EA	48347	5251474620 16X20X2 KPH-STD2-6002 KEY PLEAT MERV8				
12	EA	48344	5251404825 16X25X2 KPH-STD2-6502 KEY PLEAT MERV8				
12	EA	48346	5251421338 20X20X2 KPH-STD2-0002 KEY PLEAT MERV8				
12	EA	48345	5251404831 20X25X2 KPH-STD2-0502 KEY PLEAT MERV8				

4 Inch

6	EA	48348	5251504832 16X20X4 KPH-STD4-6004 KEY PLEAT MERV8				
6	EA	48351	5251525519 16X25X4 KPH-STD4-6504 KEY PLEAT MERV8				
6	EA	48349	5251504836 20X20X4 KPH-STD4-0004 KEY PLEAT MERV8				
6	EA	48350	5251504837 24X24X4 KPH-STD4-4404 KEY PLEAT MERV8				

Synthetic MERV 8 Key Pleat Filters



1 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
12	EA	48311	5251004770 10X20X1 KP-STD1-001 KEY PLEAT MERV8				
12	EA	48312	5251004776 12X20X1 KP-STD1-2001 KEY PLEAT MERV8				
12	EA	48418	5251004774 10X24X1 KP-STD1-1401 KEY PLEAT MERV 8				
12	EA	48326	5251083881 12X24X1 KP-STD1-2401 KEY PLEAT MERV8				
12	EA	48313	5251004777 14X20X1 KP-STD1-4001 KEY PLEAT MERV8				
12	EA	48320	5251070884 14X25X1 KP-STD1-4501 KEY PLEAT MERV8				
12	EA	48432	5251078450 14X30X1 PLEATED FILTER				
12	EA	48318	5251021496 15X20X1 KP-STD1-5001 KEY PLEAT MERV8				
12	EA	48314	5251004858 16X20X1 KP-STD1-6001 KEY PLEAT MERV8				
12	EA	48317	5251021132 16X24X1 KP-STD1-6401 KEY PLEAT MERV8				
12	EA	48323	5251074025 16X25X1 KP-STD1-6501 KEY PLEAT MERV8				
12	EA	48321	5251072096 16X30X1 KP-STD1-6301 KEY PLEAT MERV8				
12	EA	48428	5251023609 18X20X1 KP-STD1-8001 KEY PLEAT FILTER				
12	EA	48433	5251074643 18X18X1 KP-STD1-8801 PLEATED FILTER				
12	EA	48322	5251072153 18X24X1 KP-STD1-8401 KEY PLEAT MERV8				
12	EA	48316	5251007125 20X20X1 KP-STD1-0001 KEY PLEAT MERV8				
12	EA	48315	5251005432 20X24X1 KP-STD1-0401 KEY PLEAT MERV8				
12	EA	48325	5251083340 20X25X1 KP-STD1-0501 KEY PLEAT MERV8				
12	EA	48430	5251082750 20X30X1 KP-STD1-0301 PLEATED FILTER				
12	EA	48324	5251079133 24X24X1 KP-STD1-4401 KEY PLEAT MERV8				
12	EA	48319	5251021572 25X25X1 KP-STD1-5501 KEY PLEAT MERV8				

2 Inch

12	EA	48327	5251104782 10X20X2 KP-STD2-1002 KEY PLEAT MERV8				
12	EA	48343	5251187795 12X20X2 KP-STD2-2002 KEY PLEAT MERV8				
12	EA	48340	5251184990 12X24X2 KP-STD2-2402 KEY PLEAT MERV8				
12	EA	48328	5251104783 14X20X2 KP-STD2-4002 KEY PLEAT MERV8				
12	EA	48329	5251104785 14X25X2 KP-STD2-4502 KEY PLEAT MERV8				
12	EA	48416	5251104925 15X20X2 KP-STD2-5002 KEY PLEAT MERV8				
12	EA	48339	5251184831 16X16X2 KP-STD2-6602 KEY PLEAT MERV8				
12	EA	48330	5251104789 16X20X2 KP-STD2-6002 KEY PLEAT MERV8				
12	EA	48338	5251184484 16X24X2 KP-STD2-6402 KEY PLEAT MERV8				
12	EA	48331	5251104790 16X25X2 KP-STD2-6502 KEY PLEAT MERV8				
12	EA	48434	5251171853 18X18X2 KP-STD2-8802 PLEATED FILTER				
12	EA	48336	5251163527 18X20X2 KP-STD2-8002 KEY PLEAT MERV8				
12	EA	48337	5251174862 18X24X2 KP-STD-8002 KEY PLEAT MERV8				
12	EA	48335	5251123101 20X20X2 KP-STD2-0002 KEY PLEAT MERV8				
12	EA	48341	5251186262 20X24X2 KP-STD2-0402 KEY PLEAT MERV8				
12	EA	48332	5251104791 20X25X2 KP-STD2-0502 KEY PLEAT MERV8				
12	EA	48334	5251106261 20X30X2 KP-STD2-0302 KEY PLEAT MERV8				
12	EA	48342	5251186773 24X24X2 KP-STD2-4402 KEY PLEAT MERV8				
12	EA	48333	5251104795 25X25X2 KP-STD2-5502 KEY PLEAT MERV8				

Synthetic Panel Filter

1 Ply Economy

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
24	EA	48406	0246500741 13-1/2X16-3/4X1 IN SP1-PNL ECONOMY PANEL				

Polyester Flat Panel Filters



1 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
12	EA	48268	5039701501 10X20X1 P312-STD1 POLYESTER FILTER				
12	EA	48263	5039450102 10X25X1 P312 POLYESTER FILTER				
12	EA	48279	5039701514 12X20X1 P312-STD1 POLYESTER FILTER				
12	EA	48276	5039701511 12X24X1 P312-STD1 POLYESTER FILTER				
12	EA	48280	5039701515 12X25X1 P312-STD1 POLYESTER FILTER				
12	EA	48277	5039701512 14X20X1 P312-STD1 POLYESTER FILTER				
12	EA	48273	5039701506 14X25X1 P312-STD1 POLYESTER FILTER				
12	EA	48278	5039701513 15X20X1 P312-STD1 POLYESTER FILTER				
12	EA	48274	5039701509 16X16X1 P312-STD1 POLYESTER FILTER				
12	EA	48269	5039701502 16X20X1 P312-STD1 POLYESTER FILTER				
12	EA	48270	5039701503 16X25X1 P312-STD1 POLYESTER FILTER				
12	EA	48275	5039701510 18X25X1 P312-STD1 POLYESTER FILTER				
12	EA	48271	5039701504 20X20X1 P312-STD1 POLYESTER FILTER				
12	EA	48264	5039451372 20X22X1 P312 POLYESTER FILTER				
12	EA	48419	5039797350 20X24X1 P312-STD1 POLYESTER FILTER				
12	EA	48272	5039701505 20X25X1 P312-STD1 POLYESTER FILTER				
12	EA	48282	5039701516 24X24X1 P312-STD1 POLYESTER FILTER				
12	EA	48281	5039701517 25X25X1 P312-STD1 POLYESTER FILTER				

2 Inch

12	EA	48283	5039803253 12X24X2 P312-STD2 POLYESTER FILTER				
12	EA	48266	5039513369 12X25X2 P312 POLYESTER FILTER				
12	EA	48284	5039803254 14X20X2 P312-STD2 POLYESTER FILTER				
12	EA	48285	5039803255 14X25X2 P312-STD2 POLYESTER FILTER				
12	EA	48294	5039803331 15X20X2 P312-STD2 POLYESTER FILTER				
12	EA	48286	5039803256 16X16X2 P312-STD2 POLYESTER FILTER				
12	EA	48287	5039803257 16X20X2 P312-STD2 POLYESTER FILTER				
12	EA	48267	5039561546 16X22X2 P312 POLYESTER FILTER				
12	EA	48421	5039803258 16X24X2 P312-STD2 POLYESTER FILTER				
12	EA	48288	5039803259 16X25X2 P312-STD2 POLYESTER FILTER				
12	EA	48289	5039803260 18X24X2 P312-STD2 POLYESTER FILTER				
12	EA	48265	5039508754 18X25X2 P312 POLYESTER FILTER				
12	EA	48290	5039803261 20X20X2 P312-STD2 POLYESTER FILTER				
12	EA	48429	5039803262 20X24X2 P312-STD2 POLYESTER FILTER				
12	EA	48291	5039803263 20X25X2 P312-STD2 POLYESTER FILTER				
12	EA	48292	5039803264 24X24X2 P312-STD2 POLYESTER FILTER				
12	EA	48293	5039803265 25X25X2 P312-STD2 POLYESTER FILTER				

Fiberglass Flat Panel Filters



1 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
12	EA	48243	5038962159 6X12X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48248	5038978104 8X14X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48244	5038976451 8X16X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48221	5038901307 10X10X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48201	5038901020 10X16X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48215	5038901301 10X20X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48202	5038901022 10X25X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48203	5038901025 12X12X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48204	5038901026 12X16X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48228	5038901314 12X20X1 F312-STD1 FIBERGLASS FILTER				

Continued on the Following Page

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1 Inch (Cont'd.)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
12	EA	48225	5038901311 12X24X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48229	5038901315 12X25X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48241	5038962113 12X27X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48205	5038901029 12X30X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48234	5038955882 13X16X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48206	5038901031 14X14X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48200	5038656628 14X18X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48226	5038901312 14X20X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48222	5038901308 14X24X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48220	5038901306 14X25X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48235	5038956711 14X28X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48236	5038956718 14X29X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48207	5038901033 14X30X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48227	5038901313 15X20X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48208	5038901035 15X30X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48209	5038901036 15X30-5/8X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48223	5038901309 16X16X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48237	5038957904 16X17-1/2X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48216	5038901302 16X20X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48217	5038901303 16X25X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48210	5038901040 16X30X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48238	5038958262 17-1/2X21X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48211	5038901042 18X20X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48212	5038901043 18X24X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48224	5038901310 18X25X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48242	5038962135 19X27X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48218	5038901304 20X20X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48245	5038978094 20X22X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48213	5038901045 20X22-1/4X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48219	5038901305 20X25X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48232	5038902001 20X30X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48239	5038959967 21-1/2X26X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48214	5038901047 22X22X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48246	5038978098 22X24X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48230	5038901316 24X24X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48231	5038901317 25X25X1 F312-STD1 FIBERGLASS FILTER				
12	EA	48233	5038902093 25X30X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48240	5038961275 26X29-1/2X1 F312-SP1 FIBERGLASS FILTER				
12	EA	48247	5038978099 30X30X1 F312-SP1 FIBERGLASS FILTER				

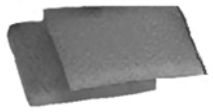
2 Inch

12	EA	48255	5039003244 10X20X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48253	5039002006 12X24X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48435	5039055774 13.25 X 16.25 X 2 F312 SP2 FIBERGLASS FILTER				
12	EA	48256	5039003245 14X20X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48257	5039003247 15X20X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48249	5039002002 16X20X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48258	5039003249 16X24X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48250	5039002003 16X25X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48262	5039067667 18X24X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48251	5039002004 20X20X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48259	5039003250 20X24X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48252	5039002005 20X25X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48261	5039066793 20X25X2 F312-SP2 FIBERGLASS FILTER				
12	EA	48254	5039002007 24X24X2 F312-STD2 FIBERGLASS FILTER				
12	EA	48260	5039003251 25X25X2 F312-STD2 FIBERGLASS FILTER				

Synthetic Rigid Pad Filters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	48394	0810433 25X48X1 PERM SP1 PAD		

Polyester Pad Filters



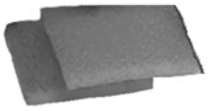
1 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25	EA	48420	0850101 16X20X1 P100 01 1" DRY WHITE POLY PAD	
25	EA	48395	0850102 16X25X1 P100 02 DRY WHITE POLY PAD	
25	EA	48396	0850103 20X20X1 P100 03 DRY WHITE POLY PAD	

2 Inch with Scrim

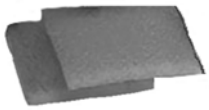
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
25	EA	48404	0850300024 9-1/2X22X2 P200S SP-PAD				

Permalast Polyester Pad Filters



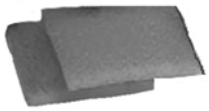
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	EA	48423	0810101 16X20X1 PERMALAST PAD P101	
24	EA	48424	0810102 16X25X1 PERMALAST PAD P102	
24	EA	48425	0810103 20X20X1 PERMALAST PAD P103	
24	EA	48426	0810104 20X25X1 PERMALAST PAD P104	

Fiberglass Pad Filters



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-4	PC-3 5
50	EA	48306	5156002586 16X20X2 PBWL FIBERGLASS PAD			
50	EA	48307	5156002587 16X25X2 PBWL FIBERGLASS PAD			
50	EA	48308	5156002588 20X20X2 PWBL FIBERGLASS PAD			
50	EA	48309	5156002589 20X25X2 PBWL FIBERGLASS PAD			
50	EA	48310	5156002590 24X24X2 PBWL FIBERGLASS PAD			

Fiberglass Coarse Pad Filters



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	48302	5156002580 16X20X1 PBWL COARSE FIBER PAD	
50	EA	48303	5156002581 16X25X1 PBWL COARSE FIBER PAD	
50	EA	48304	5156002582 20X20X1 PBWL COARSE FIBER PAD	
50	EA	48305	5156002583 20X25X1 PBWL COARSE FIBER PAD	

F Throwaway Fiberglass Panel Filter



- Throwaway
- Less than 20% efficient
- No backing

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	40648	F 13 1/2X16 3/4X2 GLASS FILTER	

2F Fiberglass Panel Filter, Industrial

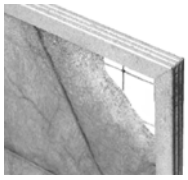


The 2F disposable panel filter is designed to withstand the demands of tough industrial and commercial applications. The 2F is manufactured with superior grade fiberglass media to guarantee full depth loading and high dust holding capacity.

The 2" model is produced in a box frame construction.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	40651	2F 20X22X2 FACET-AIRE 3 FILTER	

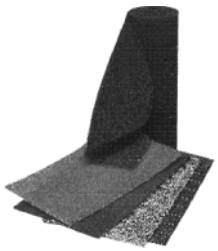
PFRZ Pad Holding Frames



The Purolator filter pad holding frame consists of an 18 gauge perimeter frame enclosed by a 14 gauge 2 x 2 galvanized welded back grid. The front support is a 10 gauge hinged wire gate with prongs. Frames are punched for riveting or bolting together form filter banks. The design provides for full media utilization with no sagging or dirty air bypass.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	40821	PFRZ 16X25X1 FRAME	

Window Air Conditioning Filters



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	40865	24IN X 25FT X 1IN FOAM	

XL Series Filter Cartridges



Construction. Fire retardant filter cartridge: deep pleated, reinforced non-woven cotton fabric or ultra-fine glass fiber medium with cotton-rayon backing. Completely preformed, bonded top and bottom to strong fiberboard panels.
Rate Capacity: 1025 CFM.
Effective Filtering Area: 15.8 Sq. Ft.
XL-67. Glass media yields an efficiency of 60% by the ASHRAE atmospheric dust test. Pressure drop across the XL-67 at rated capacity is .20" W.G.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	40492	XL67 16X20X8 CARTRIDGE FILTER	

Facet Paint Arrestor Pads



The Facet Paint Arrestor Pad is designed to simplify maintaining the cleanliness of your paint spray booth area. It works like a sponge to soak up overspray and other airborne particles utilizing the entire media pad, thereby eliminating splatter and bounce back of contaminants into the work area.

Sold in Full Cartons Only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	40806	20X20X1 GLASS PAD	
50	EA	40812	25X25X2 GLASS PAD	

Residential Air Cleaner Filter

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	63336	2400.2103 INDIGO M8 RAC 20X20X5 AB	

Polyester Rolls

Sold in Full Cartons Only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	41001	16X135X1/2 POLY ROLL FM50	

Polyester Roll Filters



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11
2	EA	48400	1600225 25X90X1 P100 R25 DRY WHITE RI	
1	EA	48401	1600240 40X90X1 P100 R40 DRY WHITE RI	

Permalast Polyester Roll Filter



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	48397	1050111 25X30X1 P125 PERMALAST ROLL	

Polyester Roll Filters with Tack



Sold in Full Cartons Only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-3	PC-2 4-9	PC-3 10
1	EA	48398	1600025 25X135X1/2 P50 R25 W/TACK WHITE RI			
1	EA	48399	1600220 20X90X1 P100 R20 BLUE/WHITE W/TACK			
4	EA	48402	1700420 20X60X2 P200 R20 BLUE/WHITE W/TACK			
1	EA	48403	1700425 25X60X2 P200 R25 BLUE/WHITE W/TACK			

Fiberglass Roll Filters



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	RLL	48409	8416001 10X200FTX1 GLS BW FIBERGLASS ROLL		
1	RLL	48415	8416014 30X200FTX1 GLS BW FIBERGLASS SERVICE ROLL		
1	EA	48427	5180116006 30X20X1 GR GLASS UTILITY ROLL		

Fiberglass Rigid Box Filters

- **AC85/S:** 85% Series, MERV 13
- **AC95:** 95% Series, MERV 13
- **HAC95:** 95% Series, MERV 14



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	48389	5360702469 24X24X12 AC85	
1	EA	48390	5360702481 24X24X12 AC95	
1	EA	48417	5360792424 24X24X12 BOX FILTER AC85S 85%	
1	EA	48392	5360702486 12X24X12 HAC95	
1	EA	48391	5360702484 24X24X12 HAC95	

Synthetic Serva-Pak Bag Filters

High Capacity



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-3	PC-2 4-11	PC-3 12
4	EA	48386	5276410809 24X24X20 SP65S10 SYN POCKET 60-65%	—	—	—
4	EA	48407	5276422089 24X24X30 SP50S08 UL2 SYN POCKET 40-45%	—	—	—

Fiberglass Serva-Pak Bag Filters

High Capacity



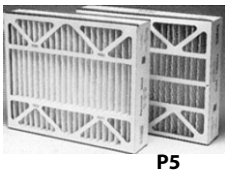
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-3	PC-2 4-11	PC-3 12
8	EA	48382	5276402360 12X24X22 SP8505 FG POCKET 80-85%	—	—	—
4	EA	48385	5276402387 20X20X22 SP8505 FG POCKET 80-85%	—	—	—
4	EA	48387	5276444878 20X24X15 SP85S03 FG POCKET 80-85%	—	—	—
4	EA	48388	5276476497 24X24X12 SP50S08 SERIES 55 CUBE SS 5PKT	—	—	—
4	EA	48384	5276402370 24X24X22 SP8508 FG POCKET 80-85%	—	—	—
4	EA	48405	5276402409 24X24X22 SP9508 UL2 FG POCKET 90-95%	—	—	—
4	EA	48383	5276402367 24X24X30 SP8508 FG POCKET 80-85%	—	—	—
2	EA	48381	5276402352 24X24X36 SP8510 FG POCKET 80-85%	—	—	—

Fiberglass Window A/C Filter

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	48301	5129915001 15X24X3/8 CYG FIBERGLASS A/C PAD	—	—

Residential Air Cleaner Filters

Replacement Filters



P5



P25-2

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	48296	5096532661 16X25X3 P1200 MERV8 AB REPLACEMENT	—
4	EA	48297	5096527960 16X25X5 P5-MV8 TRION AIR BEAR RPLCMNT	—
4	EA	48298	5096525061 20X20X5 P5-MV8 TRION AIR BEAR RPLCMNT	—
3	EA	48300	5096578907 20X25X5 P5 MERV8 AB REPLACEMENT	—
5	EA	48299	5096532664 20X25X5 P25-2 MERV8 REPL FOR HW F25	—

HEPA Filters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	48439	5455455076 UCGLV97 24024012 XBU GND 00 00 HEPA FILTER	—
1	EA	48440	5360818519 24X24X12 SLPV95 SERVA-CELL PV FILTER	—
1	EA	48422	5455055106 24X24X12 HEPA HI-CAP 99.97% FILTER	—

FIBERBOND Kleen Pleat Gold Filters



Pleated 1 Inch Filters **Sold in Full Cartons Only**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
10	EA	41013	231011224 12X24X1 KLEEN PLT GOLD MERV 7				
24	EA	41241	231011420 14X20X1 KLEEN PLT GOLD W/SPOR-AX ANTIMICROBIAL MERV 7				
24	EA	41244	231011620 16X20X1 KLEEN PLT GOLD W/SPOR-AX ANTIMICROBIAL MERV 7				
24	EA	41245	231011625 16X25X1 KLEEN PLT GOLD W/SPOR-AX ANTIMICROBIAL MERV 7				
24	EA	41242	231012020 20X20X1 KLEEN PLT GOLD W/SPOR-AX ANTIMICROBIAL MERV 7				
24	EA	41246	231012025 20X25X1 KLEEN PLT GOLD W/SPOR-AX ANTIMICROBIAL MERV 7				
24	EA	41243	231012424 24X24X1 KLEEN PLT GOLD W/SPOR-AX ANTIMICROBIAL MERV 7				

Pleated 2 Inch Filters **Sold in Full Cartons Only**

16	EA	41247	234021224 12X24X2 KLEEN PLT GOLD W/SPOR-AX ANTIMICROBIAL MERV 7				
12	EA	40839	234021620 16X20X2 KLEEN PLEAT GOLD 40% EFF				
12	EA	40840	234021625 16X25X2 KLEEN PLEAT GOLD 40% EFF				
12	EA	40902	234021824 18X24X2 KLEEN PLEAT GOLD 40% EFF				
12	EA	40841	234022020 20X20X2 KLEEN PLEAT GOLD 40% EFF				
12	EA	41252	234022024 20X24X2 KLEEN PLT GOLD W/SPOR-AX ANTIMICROBIAL MERV 7				
12	EA	40842	234022025 20X25X2 KLEEN PLEAT GOLD 40% EFF				
12	EA	40843	234022424 24X24X2 KLEEN PLEAT GOLD 40% EFF				

Pleated 4 Inch Filters **Sold in Full Cartons Only**

8	EA	40845	234041224 12X24X4 KLEEN PLEAT GOLD 40% EFF				
6	EA	40846	234041620 16X20X4 KLEEN PLEAT GOLD 40% EFF				
6	EA	41255	234041625 16X25X4 KLEEN PLT GOLD W/SPOR-AX ANTIMICROBIAL MERV 7				
6	EA	41260	234041824 18X24X4 KLEEN PLT GOLD W/SPOR-AX ANTIMICROBIAL MERV 7				
6	EA	41259	234042020 20X20X4 KLEEN PLT GOLD W/SPOR-AX ANTIMICROBIAL MERV 7				
6	EA	41012	234042024 20X24X4 KLEEN PLEAT GOLD MERV 7				
6	EA	40849	234042025 20X25X4 KLEEN PLEAT GOLD 40% EFF				
6	EA	40850	234042424 24X24X4 KLEEN PLEAT GOLD 40% EFF				

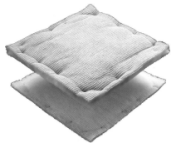
FIBERBOND Tri Stop Panel Filters

MERV 7

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-3	PC-2 4-11	PC-3 12
24	EA	41022	240001625 16X25X1-1/2 TRI STOP PANEL MERV 7			
24	EA	41086	240090499 16X30X1-1/2 TRI STOP PANEL MERV 7			
24	EA	41087	240002024 20X24X1-1/2 TRI STOP PANEL MERV 7			
24	EA	41021	240002025 20X25X1-1/2 TRI STOP PANEL MERV 7			
24	EA	41088	240090699 20X30X1-1/2 TRI BLOCK PANEL MERV 7			
24	EA	41023	240002424 24X24X1-1/2 TRI STOP PANEL MERV 7			

FIBERBOND 1 Ply Economy Panel Filters

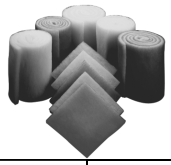
MERV 7



Sold in Full Cartons Only

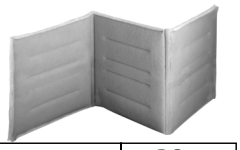
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
36	EA	41270	250001212 12X12X1 POLY PANEL MERV 7				
36	EA	40938	250001224 12X24X1 POLY PANEL MERV 7				
6	EA	40934	250001418-1064 14X18X1 POLY PANEL MERV 7				
36	EA	40953	250001616 16X16X1 POLY PANEL MERV 7				
36	EA	40943	250001620 16X20X1 POLY PANEL MERV 7				
36	EA	40944	250001625 16X25X1 POLY PANEL MERV 7				
36	EA	40945	250002020 20X20X1 POLY PANEL MERV 7				
36	EA	40947	250002025 20X25X1 POLY PANEL MERV 7				
36	EA	40948	250002424 24X24X1 POLY PANEL MERV 7				

FIBERBOND Polyester Pad and Roll Filters



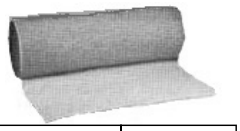
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143
36	EA	40908	102020025 20X25X1 FM 100 POLYESTER PAD			
1	EA	41011	401050160 60X135X1/2 FM50 POLYESTER			

FIBERBOND Continuous Link Filters



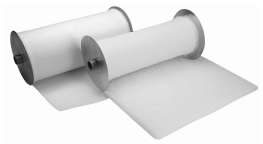
STD PKG	U/M			PC-1 EACH
6	EA	41267	291920094 20X87-94" CONTINUOUS LINK FILTER	
4	EA	41268	291920117 20X107-117" CONTINUOUS LINK FILTER	
4	EA	41269	291925129 25X118-129" CONTINUOUS LINK FILTER	
8	EA	41271	291920079 20X75-79" CONTINUOUS LINK FILTER	

FIBERBOND Dustlok Auto Roll



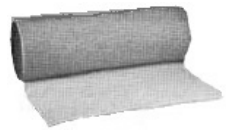
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	41265	575033275 32-3/4 IN X 65 FT DUSTLOK AUTO ROLL (3AE)	
1	EA	41262	575044475 44-3/4 IN X 65 FT DUSTLOK AUTO ROLL (4AE)	
1	EA	41263	575055675 56-3/4 IN X 65 FT DUSTLOK AUTO ROLL (5AE)	
1	EA	41264	575066875 68-3/4 IN X 65 FT DUSTLOK AUTO ROLL (6AE)	

FIBERBOND Glass Auto Roll Filter



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-3	PC-2 4
1	EA	40780	2500.1044 44-3/4"X65X2 AUTO RL W/ SCRIM		

FIBERBOND Foam Service Roll Filter



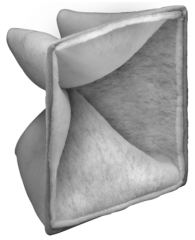
Sold in Full Cartons Only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-3	PC-2 4-9	PC-3 10
1	EA	40864	MEDIA 114403 24IN X 25FT X 1/4IN THICK FOAM			

FIBERBOND Econo Filters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
1	EA	40959	20709 9X28 1IN ECONO CUSTOM FILTER				
20	EA	41272	208002424 24X24 2IN ECONO CUSTOM FILTER				

FIBERBOND Cube Filters



Sold in Full Cartons Only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-3	PC-2 4-11	PC-3 12
12	EA	40964	AIRKLEEN STAR CUBE 24X24X15 45% EFFICIENT			

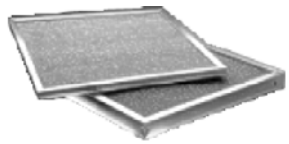
FIBERBOND Bag Filters



Sold in Full Cartons Only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-3	PC-2 4-11	PC-3 12
6	EA	40965	GW45242412-5S 24X24X12 SYN POCKET 40-45 PERCENT NOMINAL			
1	EA	40967	GW45242420-5S 24X24X20 40-45 PERCENT NOMINAL			

EZ-Kleen Air Filters

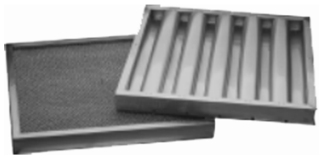


- For room air conditioners
- Lightweight aluminum
- Odor removal
- Durable, corrosion-resistant
- Easy to clean and recharge
- Traps dust, dirt, lint, pollen

1 & 2 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	41071	9806 10IN X 20IN X 1IN E-Z KLEEN AIR FILTER	—	—
20	EA	41073	9804 16IN X 20IN X 1IN E-Z KLEEN AIR FILTER	—	—
20	EA	41074	9803 16IN X 25IN X 1IN E-Z KLEEN AIR FILTER	—	—
20	EA	41076	9802 20IN X 20IN X 1IN E-Z KLEEN AIR FILTER	—	—
20	EA	41077	9801 20IN X 25IN X 1IN E-Z KLEEN AIR FILTER	—	—
10	EA	41093	9154 16IN X 20IN X 2IN MV E-Z KLEEN AIR FILTER	—	—
10	EA	41094	9153 16IN X 25IN X 2IN MV E-Z KLEEN AIR FILTER	—	—
10	EA	41095	9152 20IN X 20IN X 2IN MV E-Z KLEEN AIR FILTER	—	—
10	EA	41096	9151 20IN X 25IN X 2IN MV E-Z KLEEN AIR FILTER	—	—

Grease Filter



- Handle locks not included
- Rated Velocity: 250 FPM to 600 FPM
- Optimum Velocity: 350 FPM

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	41121	934 16IN X 20IN X 2IN MESH GREASE FILTER	—

Super Filter Coat



Increase the arrestance and efficiency of metal mesh filters by regularly washing and recoating with them with Super Filter Coat adhesive.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	41188	412 10 OZ HANDI-KOTER SUPER FILTER COAT ADHESIVE	—	—

Filter Lock Seals



- Seals furnace and air conditioning air filter slots
- Eliminates leaks to help conserve energy
- Universal fit for 1" filter slots
- Includes 2 Filter Lock Seals
- Dimensions: 4-3/4" wide x 25" long

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25	EA	41428	93517 1IN UP TO 25IN L FILTER LOCK SEALS	—

Filter Racks

28 Gauge



1 Inch, Screw Mount

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	11583	FR1WFL1625 16X25X1 FILTER RACK - SCREW TYPE	—	—
1	EA	11576	FR1WFL1620 20X16X1 FILTER RACK - SCREW TYPE	—	—
1	EA	11584	FR1WFL2025 20X25X1 FILTER RACK - SCREW TYPE	—	—

1 Inch, Tab Mount

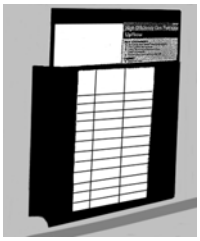
1	EA	11698	FR1624 16X24X1 FILTER RACK	—	—
1	EA	11585	FR1625 16X25X1 FILTER FRAME W/DOOR	—	—
1	EA	11582	FR1620 20X16X1 FILTER FRAME W/DOOR	—	—
1	EA	11581	FR2020 20X20X1 FILTER FRAME W/DOOR	—	—
1	EA	11593	FR2025 25X20X1 FILTER FRAME W/DOOR	—	—

4 inch, Tab Mount

1	EA	11591	FR41625 25X16X4 FILTER RACK	—	—

Literature Holder

Attach to Furnace—Features Custom Labels

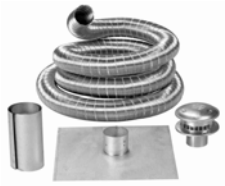


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	11599	LITRK 10X9 GALV LITERATURE HOLDER	—	—

Group 4 Installation and Service Supplies

Chimney and Venting....4–1
Pipe and Fittings/Copper....4–12
Pipe and Fittings/Brass....4–19
Pipe and Fittings/Insulation....4–25
Pipe and Fittings/Gas....4–28
Pipe and Fittings/Black....4–31
Pipe and Fittings/Galvanized....4–37
Cast Iron Fittings....4–38
Solder/Flux/Accessories....4–39
Access and Piercing Valves....4–45
Pipe and Fittings/PVC....4–50
Equipment Pads and Stands....4–56
Linesets/Disconnects/Whips....4-60-A
Condensate Pumps....4-63
Safety Switches....4-65
Drain Pans and Accessories....4–67
Duct Insulation and Supplies....4–69
Fasteners and Hangers....4–74
Sealant, Cement, and Tape....4–83
Electrical....4–89
Jobsite Extras....4–100

SELKIRK. Flexi-Liner Chimney Liner



Flexi-Liner tubes are resistant to tearing under the toughest conditions. The tubes incorporate an offset two ply seam, uniquely located on the shoulders of corrugations
rather than in the valley of corrugations like other flex products.

Flexi-Liner is the utilizes a tube compression ratio of 5:1 on most sizes. There are no seams between corrugations—eliminating a potential weak spot.
UL Listed
Lifetime Limited Warranty

Relining Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	27800	AF25-04 4X25FT RELINING KIT		
1	EA	27801	AF25-05 5X25FT RELINING KIT		
1	EA	27802	AF25-06 6X25FT RELINING KIT		
1	EA	27815	AF35-03 3X35FT RELINING KIT		
1	EA	27818	AF35-06 6X35FT RELINING KIT		

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	27835	AFE10-03 3X10 EXTENSION KIT	
1	EA	27836	AFE10-04 4X10 EXTENSION KIT	
1	EA	27837	AFE10-05 5X10 EXTENSION KIT	
6	EA	27845	AF3-BVA 3IN B VENT ADAPTER	
6	EA	27846	AF4-BVA 4IN B VENT ADAPTER	
6	EA	27847	AF5-BVA 5IN B VENT ADAPTER	
6	EA	27848	AF6-BVA 6IN B VENT ADAPTER	

10 Inch B Vent

2	EA	28617	10QC-30 10X30IN PIPE			
2	EA	28618	10QC-18 10X18IN PIPE			
1	EA	28619	10QC-DH 10IN DH CONN			
1	EA	28620	10QC-AF 10IN ADJ ROOF FLASH			
1	EA	28621	10QC-TF 10IN TALL CONE FLASH			
1	EA	28622	10QC-SC 10IN STORM COLLAR			
1	EA	28623	10QC-RT 10IN VENT TOP			
2	EA	28624	10QC-45 10IN 45 DEG ELBOW			
1	EA	28625	10QC-TS 10IN TEE			
1	EA	28626	10QC-TC 10IN TEE CAP			
2	EA	28700	10QC-AJ 10X18IN ADJ PIPE			

12 Inch B Vent

2	EA	28627	12QC-30 12X30IN PIPE			
2	EA	28628	12QC-18 12X18IN PIPE			
1	EA	28629	12QC-DH 12IN DH CONN			
1	EA	28630	12QC-AF 12IN ADJ ROOF FLASH			
1	EA	28631	12QC-TF 12IN TALL CONE FLASH			
1	EA	28632	12QC-SC 12IN STORM COLLAR			
1	EA	28633	12QC-RT 12IN VENT TOP			
2	EA	28634	12QC-45 12IN 45 DEG ELBOW			
1	EA	28635	12QC-TS 12IN TEE			
2	EA	28701	12QC-AJ 12X18IN ADJ PIPE			

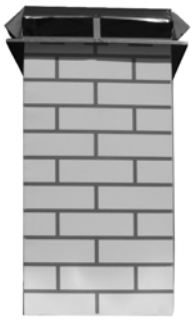
14 Inch B Vent

1	EA	28637	14QC-30 14X30IN PIPE			
1	EA	28638	14QC-18 14X18IN PIPE			
1	EA	28639	14QC-AF 14IN ADJ ROOF FLASH			
1	EA	28640	14QC-TF 14IN TALL CONE FLASH			
1	EA	28641	14QC-SC 14IN STORM COLLAR			
1	EA	28642	14QC-RT 14IN VENT CAP			
1	EA	28643	14QC-45 14IN 45 DEG ELBOW			

16 Inch B Vent

1	EA	28645	16QC-30 16X30IN PIPE			
1	EA	28646	16QC-18 16X18IN PIPE			
1	EA	28647	16QC-AF 16IN ADJ ROOF FLASH			
1	EA	28648	16QC-TF 16IN TALL CONE FLASH			
1	EA	28649	16QC-SC 16IN STORM COLLAR			
1	EA	28650	16QC-RT 16IN VENT TOP			

AIRJET Authorized Distributor Chimney Housing Kits



- High grade, polished, stainless steel, square top cap
- 4 side panels available in simulated red, tan, or white brick
- Galvanized 2-piece roof flashing
- 18" telescoping aluminum connector

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	33580	GHL36R 3 FT RED BRICK DECORATIVE CHIMNEY HOUSING KIT	
1	EA	33581	GHL36T 3FT TAN BRICK DECORATIVE CHIMNEY HOUSING KIT	
1	EA	33582	GHL36W 3FT WHITE BRICK DECORATIVE CHIMNEY HOUSING KIT	
1	EA	33583	GHL48R 4FT RED BRICK DECORATIVE CHIMNEY HOUSING KIT	
1	EA	33584	GHL48T 4FT TAN BRICK DECORATIVE CHIMNEY HOUSING KIT	
1	EA	33585	GHL48W 4FT WHITE BRICK DECORATIVE CHIMNEY HOUSING KIT	

NATIONAL CHIMNEY M-FLEX Aluminum Liner Kits



- For appliances with AFUE of 83% or lower
- UL listed and tested 2-ply aluminum liner
- Aluminum mortar collar for slipping the liner through the thimble
- Aluminum top plate with a 16"x16" plate and a 2" high collar around the hole diameter
- Aluminum cap and installation instructions
- All M-FLEX aluminum liner kits come with a 25-year warranty and are listed to UL441

Relining Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	29600	DB425KIT 4X25FT RELINING KIT		
1	EA	29601	DB525KIT 5X25FT RELINING KIT		
1	EA	29602	DB625KIT 6X25FT RELINING KIT		
1	EA	29603	DB335KIT 3X35FT RELINING KIT		
1	EA	29604	DB435KIT 4X35FT RELINING KIT		
1	EA	29605	DB535KIT 5X35FT RELINING KIT		
1	EA	29606	DB635KIT 6X35FT RELINING KIT		

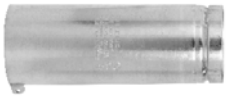
Aluminum Liner Extension

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	29607	DB310EXT 3X10FT EXTENSION KIT	
1	EA	29608	DB410EXT 4X10FT EXTENSION KIT	
1	EA	29609	DB510EXT 5X10FT EXTENSION KIT	

SELKIRK. Type "B" Gas Vent



Pipe



Adj. Pipe



Adj. Roof Flash



90 Deg Elbow



Cap



Storm Collar



Tee Cap



Tee



Pipe Collar

Round and oval gas vent pipe and fittings for residential, commercial, and industrial applications. Snap together non-positional lock system.

- Die formed ends
- For venting gas fired appliances, water heater, furnaces, stoves, etc.
- UL Listed
- Lifetime Limited Warranty

Model RV Round Vent Pipe: 3" through 8"

This double wall gas vent is listed to UL 441 and ULC S-605 and features an aluminum inner liner and galvolume outer casing. Natural and propane gas applications. The joint design provides for a rapid and secure connection in seconds and the LockTab™ feature allows the tabs to be used instead of sheet metal screws.

Model R Round Type B Gas Vent: Large Diameter

UL listed and approved for residential, commercial, and industrial applications. Model R provides a continuous passageway from a Category 1 gas appliance, such as water heaters, boilers, and furnaces, to the termination of the vent above the roof of a structure. The model R features the double wall construction with 1/2" air space, galvanized steel outer wall construction for exceptional corrosion resistance, and aluminum inner wall construction to keep flue gasses hot

3 Inch B Vent

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
6	EA	28298	3RV-4 3X4FT PIPE			
6	EA	28299	3RV-GC 3IN PIPE COLLAR			
6	EA	28471	3RV-GVS 3IN FIRESTOP SUPPORT			
6	EA	28475	3RV-5 3X5FT PIPE			
6	EA	28476	3RV-3 3X3FT PIPE			
6	EA	28478	3RV-18 3X18IN PIPE			
6	EA	28479	3RV-12 3X12IN PIPE			
6	EA	28481	3RV-AJ12 3X12IN ADJ PIPE			
6	EA	28483	3RV-DH 3IN DH CONN			
6	EA	28484	3RV-AF 3IN ADJ ROOF FLASH			
6	EA	28485	3RV-TF 3IN TALL CONE FLASH			
6	EA	28486	3RV-SC 3IN STORM COLLAR			
6	EA	28487	3RV-RT 3IN CAP			
6	EA	28488	3RV-2 3X2FT PIPE			
6	EA	28489	3RV-AF12 3IN STEEP ROOF FLASH			
6	EA	28490	3RV-90 3IN 90 DEG ELBOW			
6	EA	28491	3RV-45 3IN 46/60 ELBOW			
6	EA	28492	3RV-WT 3IN WALL THIMBLE			
6	EA	28493	3RV-TS 3IN TEE			
6	EA	28496	3RV-I4 3X4 INCREASER			
6	EA	28498	3RV-UAF 3IN FEMALE ADAPT			
6	EA	28499	3RV-UAM 3IN MALE ADAPT			
6	EA	29109	3RV-HWT 3IN HIGH WIND TOP			

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4 Inch B Vent

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
6	EA	28305	4RV-WS/B 4IN WALL STRAP			
6	EA	28472	4RV-GVS 4IN FIRESTOP SUPPORT			
6	EA	28480	4RV3-FY 4X3 WYE			
6	EA	28495	4RV-6 4X6IN PIPE			
6	EA	28500	4RV-5 4X5FT PIPE			
6	EA	28501	4RV-4 4X4FT PIPE			
6	EA	28502	4RV-3 4X3FT PIPE			
6	EA	28503	4RV-2 4X2FT PIPE			
6	EA	28504	4RV-18 4X18IN PIPE			
6	EA	28505	4RV-12 4X12IN PIPE			
6	EA	28506	4RV-AJ12 4X12IN ADJ PIPE			
6	EA	28507	4RV-AF12 4IN STEEP ROOF FLASH			
6	EA	28509	4RV-DH 4IN DH CONN			
6	EA	28510	4RV-AF 4IN ADJ ROOF FLASH			
6	EA	28511	4RV-TF 4IN TALL CONE FLASH			
6	EA	28512	4RV-SC 4IN STORM COLLAR			
6	EA	28513	4RV-RT 4IN CAP			
6	EA	28514	4RV-EL90 4IN 90 DEG ELBOW			
6	EA	28515	4RV-EL45/60 4IN 45/60 DEG ELBOW			
6	EA	28516	4RV-WT 4IN WALL THIMBLE			
6	EA	28517	4RV-TS 4IN TEE			
6	EA	28518	4RV-TC 4IN TEE CAP			
6	EA	28519	4RV-I6 4X6 INCREASER			
6	EA	28520	4RV-GC 4IN PIPE COLLAR			
6	EA	28521	4RV-I5 4X5 INCREASER			
6	EA	28522	4RV-UAF 4IN FEMALE ADAPT			
6	EA	28523	4RV-UAM 4IN MALE ADAPT			
4	EA	28598	4RV-I7 4X7 INCREASER			
6	EA	29110	4RV-HWT 4IN HIGH WIND TOP			

5 Inch B Vent

6	EA	28306	5RV-WS/B 5IN WALL STRAP			
6	EA	28473	5RV-GVS 5IN FIRESTOP SUPPORT			
6	EA	28508	5RV4-3FY 5X4X3 WYE			
6	EA	28525	5RV3-FY 5X5X3 WYE			
6	EA	28526	5RV-5 5X5FT PIPE			
6	EA	28527	5RV-4 5X4FT PIPE			
6	EA	28528	5RV-3 5X3FT PIPE			
6	EA	28529	5RV-2 5X2FT PIPE			
6	EA	28530	5RV-18 5X18IN PIPE			
6	EA	28531	5RV-12 5X12IN PIPE			
6	EA	28532	5RV4-FY 5X4 WYE			
6	EA	28533	5RV-AJ12 5X12IN ADJ PIPE			
6	EA	28534	5RV-6 5X6IN PIPE			
6	EA	28535	5RV-AF12 5IN STEEP ROOF FLASH			
6	EA	28536	5RV-DH 5IN DH CONN			
6	EA	28537	5RV-AF 5IN ADJ ROOF FLASH			
6	EA	28538	5RV-TF 5IN TALL CONE FLASH			
6	EA	28539	5RV-SC 5IN STORM COLLAR			
6	EA	28540	5RV-RT 5IN CAP			
6	EA	28541	5RV-EL90 5IN 90 DEG ELBOW			
6	EA	28542	5RV-EL45/60 5IN 45/60 DEG ELBOW			
6	EA	28543	5RV-WT 5IN WALL THIMBLE			
6	EA	28544	5RV-TS 5IN TEE			
6	EA	28545	5RV-T3 5X3 REDUCING TEE			
6	EA	28546	5RV-TC 5IN TEE CAP			
6	EA	28547	5RV-I6 5X6 INCREASER			
4	EA	28549	5RV-I8 5X8 INCREASER			
6	EA	28551	5RV-UAF 5IN FEMALE ADAPT			
6	EA	28552	5RV-UAM 5IN MALE ADAPT			
4	EA	28599	5RV-I7 5X7 INCREASER			
6	EA	28600	5RV4-4FY 5X4X4 WYE			
6	EA	29104	5RV-GC 5IN PIPE COLLAR			
6	EA	29111	5RV-HWT 5IN HIGH WIND TOP			

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6 Inch B Vent

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
6	EA	28474	6RV-GVS 6IN FIRESTOP SUPPORT			
6	EA	28482	6RV-3FY 6X3 WYE			
6	EA	28548	6RV-4FY 6X6X4 WYE			
4	EA	28553	6RV-5 6X5FT PIPE			
6	EA	28554	6RV-4 6X4FT PIPE			
6	EA	28555	6RV-3 6X3FT PIPE			
6	EA	28556	6RV-2 6X2FT PIPE			
6	EA	28557	6RV-18 6X18IN PIPE			
6	EA	28558	6RV-12 6X12IN PIPE			
6	EA	28559	6RV-6 6X6IN PIPE			
6	EA	28560	6RV-AJ12 6X12IN ADJ PIPE			
6	EA	28561	6RV-DH 6IN DH CONN			
6	EA	28562	6RV-AF 6IN ADJ ROOF FLASH			
6	EA	28563	6RV-TF 6IN TALL CONE FLASH			
6	EA	28564	6RV-SC 6IN STORM COLLAR			
6	EA	28565	6RV-RT 6IN CAP			
6	EA	28566	6RV-EL90 6IN 90 DEG ELBOW			
6	EA	28567	6RV-EL45/60 6IN 45/60 DEG ELBOW			
6	EA	28568	6RV-WT 6IN WALL THIMBLE			
6	EA	28569	6RV-TS 6IN TEE			
6	EA	28571	6RV-T4 6X4 TEE			
6	EA	28572	6RV-TC 6IN TEE CAP			
4	EA	28573	6RV-I7 6X7 INCREASER			
4	EA	28574	6RV-I8 6X8 INCREASER			
6	EA	28575	6RV-GC 6IN PIPE COLLAR			
6	EA	28576	6RV-UAF 6IN FEMALE ADAPT			
6	EA	28577	6RV-UAM 6IN MALE ADAPT			
6	EA	28578	6RV-AF12 6IN STEEP ROOF FLASH			
4	EA	29112	6RV-HWT 6IN HIGH WIND TOP			

7 Inch B Vent

4	EA	28579	7RV-5 7X5FT PIPE			
4	EA	28580	7RV-3 7X3FT PIPE			
4	EA	28581	7RV-4 7X4FT PIPE			
4	EA	28582	7RV-AF12 7IN STEEP ROOF FLASH			
4	EA	28583	7RV-18 7X18IN PIPE			
4	EA	28584	7RV-12 7X12IN PIPE			
4	EA	28585	7RV-2 7X24IN PIPE			
4	EA	28586	7RV-AJ 7X12IN ADJ PIPE			
4	EA	28587	7RV-DH 7IN DH CONN			
4	EA	28588	7RV-AF 7IN ADJ ROOF FLASH			
4	EA	28589	7RV-TF 7IN TALL CONE FLASH			
4	EA	28590	7RV-SC 7IN STORM COLLAR			
4	EA	28591	7RV-RT 7IN CAP			
4	EA	28592	7RV-EL90 7IN 90 DEG ELBOW			
4	EA	28593	7RV-EL45 7IN 45 DEG ELBOW			
4	EA	28595	7RV-TS 7IN TEE			
4	EA	28596	7RV-TC 7IN TEE CAP			
4	EA	29100	7RV-UAM 7IN MALE ADAPT			
4	EA	29101	7RV-UAF 7IN FEMALE ADAPT			

Continued on the Following Page

8 Inch Model RV B Vent

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
4	EA	28303	8RV-GVS 8IN SUPPORT ASSEMBLY			
4	EA	28601	8RV-5 8X5FT PIPE			
4	EA	28602	8RV-3 8X3FT PIPE			
4	EA	28603	8RV-18 8X18IN PIPE			
4	EA	28604	8RV-12 8X12IN PIPE			
4	EA	28605	8RV-AJ 8X12IN ADJ PIPE			
4	EA	28606	8RV-DH 8IN DH CONN			
4	EA	28607	8RV-AF 8IN ADJ ROOF FLASH			
4	EA	28608	8RV-TF 8IN TALL CONE FLASH			
4	EA	28609	8RV-SC 8IN STORM COLLAR			
4	EA	28610	8RV-RT 8IN CAP			
4	EA	28611	8RV-EL90 8IN 90 DEG ELBOW			
4	EA	28612	8RV-EL45 8IN 45 DEG ELBOW			
6	EA	28613	8RV-WT 8IN WALL THIMBLE			
4	EA	28614	8RV-TS 8IN TEE			
4	EA	28615	8RV-TC 8IN TEE CAP			
4	EA	29102	8RV-UAM 8IN MALE ADAPT			
4	EA	29103	8RV-UAF 8IN FEMALE ADAPT			

10 Inch Model R B Vent

2	EA	28217	10R3-S 10X36IN PIPE			
2	EA	28218	10R18-S 10X18IN PIPE			
2	EA	28251	10R18A-S 10IN ADJ PIPE			
2	EA	28219	10RDC-S 10IN DRAFT HOOD CONN			
6	EA	28220	10RF-S 10IN STANDARD FLASH			
6	EA	28221	10RFT-S 10IN TALL CONE FLASH			
6	EA	28222	10RSC-S 10IN STORM COLLAR			
2	EA	28223	10C-S 10IN CAP			
2	EA	28224	10R45-S 10IN 45 DEG ADJ ELBOW			
2	EA	28225	10RT-S 10IN TEE			
1	EA	28226	10RTC-S 10IN TEE CAP			

12 Inch Model R B Vent

2	EA	28227	12R3-S 12X36IN PIPE			
2	EA	28228	12R18-S 12X18IN PIPE			
2	EA	28252	12R18A-S 12IN ADJ PIPE			
2	EA	28229	12RDC-S 12IN DRAFT HOOD CONN			
6	EA	28230	12RF-S 12IN STANDARD FLASH			
1	EA	28231	12RFT-S 12IN TALL CONE FLASH			
1	EA	28232	12RSC-S 12IN STORM COLLAR			
1	EA	28233	12C-S 12IN CAP			
1	EA	28234	12R45-S 12IN 45 DEG ADJ ELBOW			
1	EA	28235	12RT-S 12IN TEE			

14 Inch Model R B Vent

1	EA	28237	14R3-S 14X36IN PIPE			
1	EA	28238	14R18-S 14X18IN PIPE			
1	EA	28239	14F-S 14IN STANDARD FLASH			
1	EA	28240	14FT-S 14IN TALL CONE FLASH			
1	EA	28241	14SC-S 14IN STORM COLLAR			
1	EA	28242	14C-S 14IN CAP			
1	EA	28243	14R45-S 14IN 45 DEG ELBOW			

16 Inch Model R B Vent

1	EA	28245	16R3-S 16X36IN PIPE			
1	EA	28246	16R18-S 16X18IN PIPE			
1	EA	28247	16F-S 16IN STANDARD FLASH			
1	EA	28248	16FT-S 16IN TALL CONE FLASH			
1	EA	28249	16SC-S 16IN STORM COLLAR			
1	EA	28250	16C-S 16IN CAP			

SELKIRK. Type "B" Oval Gas Vent



Oval Pipe



Flat Oval



Oval Elbow



Oval Tee



Oval to Round Adapter



Installation Kit



Oval Tee Cap



Firestop Spacer

Round and oval gas vent pipe and fittings for residential, commercial, and industrial applications. AmeriVent Type B Gas Vent uses a double wall of metal pipe for insulation and safety. The inner pipe is made of reflecting aluminum and heats quickly, containing the warm flue gases inside. The airspace between the inner and outer pipe insulates against heat loss. The outer pipe is made of corrosion-resistant galvanized steel to ensure strength, safety, and durability.

- Snap together non-positional lock system
- For use with gas fired appliances such as water heaters, furnaces, and stove
- UL listed

4 Inch Oval Pipe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
6	EA	24020	4OV-12 4IN X 12IN OVAL B VENT PIPE			
6	EA	24021	4OV-18 4IN X 18IN OVAL B VENT PIPE			
6	EA	24022	4OV-36 4IN X 3FT OVAL B VENT PIPE			
6	EA	24023	4OV-48 4IN X 4FT OVAL B VENT PIPE			
6	EA	24024	4OV-60 4IN X 5FT OVAL B VENT PIPE			
6	EA	24025	4OV-45F 4IN 45 DEG OVAL B VENT FLAT ELBOW			
6	EA	24026	4OV-45S 4IN 45 DEG OVAL B VENT STANDARD ELBOW			
6	EA	24027	4OV-TS 4IN OVAL B VENT STANDARD TEE			
3	EA	24028	4OV-TC 4IN OVAL B VENT TEE CAP			
6	EA	24032	4RV-OV4 4IN ROUND TO OVAL B VENT ADAPTER			
6	EA	24033	4OV-RV4 4IN OVAL TO ROUND B VENT ADAPTER			
1	EA	24034	4OV-BW 4IN OVAL B VENT INSTALLATION KIT			

5 Inch Oval Pipe

4	EA	24050	5OV-60 5IN X 5FT OVAL B VENT PIPE			
6	EA	24052	5OV-36 5IN X 3FT OVAL B VENT PIPE			
6	EA	24054	5OV-18 5IN X 18IN OVAL B VENT PIPE			
6	EA	24055	5OV-12 5IN X 12IN OVAL B VENT PIPE			
6	EA	24058	5OV-45F 5IN 45 DEG OVAL B VENT FLAT ELBOW			
6	EA	24059	5OV-45S 5IN 45 DEG OVAL B VENT STANDARD ELBOW			
6	EA	24060	5OV-TS 5IN OVAL B VENT STANDARD TEE			
3	EA	24065	5OV-TC 5IN OVAL B VENT TEE CAP			
6	EA	24070	5RV-OV5 5IN ROUND TO OVAL B VENT ADAPTER			
6	EA	24071	5OV-RV5 5IN OVAL TO ROUND B VENT ADAPTER			
6	PR	24072	5OV-FS 5IN OVAL B VENT FIRESTOP SPACERS			

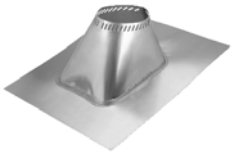
6 Inch Oval Pipe

4	EA	24080	6OV-36 6IN X 3FT OVAL B VENT PIPE			
4	EA	24082	6OV-18 6IN X 18IN OVAL B VENT PIPE			
4	EA	24083	6OV-12 6IN X 12IN OVAL B VENT PIPE			
4	EA	24087	6OV-45S 6IN 45 DEG OVAL B VENT STANDARD ELBOW			
4	EA	24088	6OV-TS 6IN OVAL B VENT STANDARD TEE			
3	EA	24093	6OV-TC 6IN OVAL B VENT TEE CAP			
4	EA	24098	6RV-OV6 6IN ROUND TO OVAL B VENT ADAPTER			
4	EA	24099	6OV-RV6 6IN OVAL TO ROUND B VENT ADAPTER			
4	PR	24100	6OV-FS 6IN OVAL B VENT FIRESTOP SPACERS			

SELKIRK PLATINUM SERIES Type "A" All Fuel Chimney



Chimney Pipe



Flashing



Roof Support

- Tested up to 1700°.
- 300 Series stainless steel liner provides corrosion resistance.
- Heavy duty mirror finish 430 exterior.
- Water-tight continuous seam on inner and outer.
- Ideal for coal applications.
- Compatible with all Metalbestos chimney systems.
- UL listed.
- Complies with UL-103 Sixth Edition requirements.

6 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
1	EA	29050	6UT-36 6X36IN CHIMNEY PIPE			
1	EA	28702	6DSP-CPA 6IN ADAPTER			
1	EA	29052	6T-CT 6IN CAP			
1	EA	29055	6T-FSP 6IN CEIL SUPPORT			
4	EA	29057	6T-AF6 6IN FLASHING			
1	EA	29058	6T-JS 6IN FIRESTOP ASSEMBLY			
1	EA	29091	6T-IWT 6IN INSULATED WALL THIMBLE			
4	EA	29155	5/6T-SC 6IN STORM COLLAR			

8 Inch

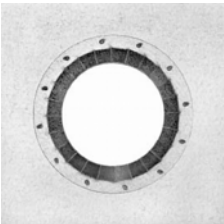
5	EA	29066	8UT-9 8X9IN CHIMNEY PIPE			
1	EA	29063	8UT-18 8X18 CHIMNEY PIPE			
1	EA	29064	8UT-36 8X36 CHIMNEY PIPE			
1	EA	28703	8DSP-CPA 8IN ADAPTER			
1	EA	29065	8T-CT 8IN CAP			
1	EA	29068	8T-FSP 8IN CEIL SUPPORT			
4	EA	29070	8T-AF6 8IN FLASHING			
4	EA	29072	8T-WB 8IN WALL BRACKET			
1	EA	29074	8T-IT 8IN TEE W/CAP			
4	EA	29156	7/8T-SC 8IN STORM COLLAR			

10 Inch

1	EA	29076	10UT-36 10X36IN PIPE			
1	EA	29077	10S-CT 10IN CAP			

METAL-FAB INC. Sure-Grip B-Vent Hanger

MANUFACTURER OF PRODUCTS FOR ENVIRONMENTAL SYSTEMS



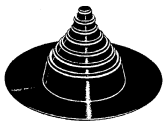
- The fastest, easiest way to support B-Vent where it penetrates floors and ceilings.
- No more time consuming cutting, bending, and fitting sheet metal to build vent supports.
- Faster vent installation: merely install the SureGrip plate and slip vent through from the bottom to the desired position.
- Available for 3" through 8" diameter B-Vent and 2" plastic pipe.
- 3" through 6" fits popular B-Vent brands.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	23750	3MVSP 3IN VENT-FAST HANGER		
12	EA	23751	4MVSP 4IN VENT-FAST HANGER		
24	EA	23752	5MVSP 5IN VENT-FAST HANGER		
24	EA	23753	6MVSP 6IN VENT-FAST HANGER		

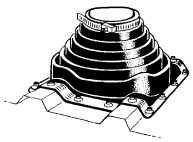
Roof Penetration Products



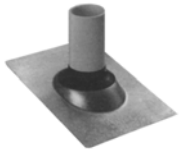
The neoprene Retrofit Roof Penetration Seal offers quick and easy installation, eliminating roof leaks at pipes and other roof penetrations without disconnecting the penetration. However, the Retrofit still allows for movement between the penetration and roof, while maintaining a perfect seal. The perfect seal is achieved with an integral tongue and groove, plus an overlapping flap, and is mechanically fastened with stainless steel hardware.



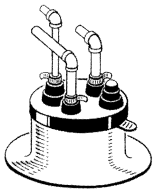
The Pipe Boot is an economical flashing designed for single pipe penetrations on single ply rubber roofs. The Pipe Boot's conically shaped steps will securely seal all pipes and its large double thick molded rib, at the top of each step, offers a supreme tear resistance and reinforcement as well as a cutting guide.



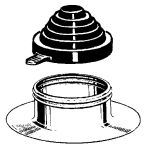
The Deck-Mate Pipe Seal is designed to work in conjunction with any configuration of corrugated deck. The Deck-Mate is engineered so that the aluminum, flanged base bends to any contour, deck irregularities, or roof pitches. The Deck-Mate seals watertight to the roof panel with silicone sealant and standard roofing fasteners.



Galvanized Roof (Shingle) Flashings are designed to effectively seal round pipe penetrations, from 2" to 4", penetrating shingle roofing systems at up to 40° slopes. The seal is an elastomeric collar integrally locked into a rigid base that remains flat on the roof. Galvanized flashing base with elastomeric collar.



C212



C126

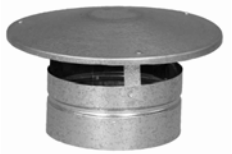
The Alumi-Flash Works with all hot applied roof systems and makes pitch pans obsolete. Due to the flexibility of the EPDM rubber caps, roof leaks are eliminated because penetrations are allowed to expand, contract, and vibrate independent of the vapor barrier. Available in C212 and C126 with rubber caps. C212 is multiple penetration and the C126 is single penetration.



Small Round Adapters are solid 1"thick rubber which can be installed in any 2" actual diameter flexible flashing to allow the use of smaller pipe sizes. Small Round Adapter 13010 is for 3/8" OD line. Perfect for use with air conditioning and refrigeration linesets through Portals Plus C212 Alumi-Flash.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
5	EA	57410	R004 1"-3" NEOPRENE RETROFT FLSH W/ACCESS		
10	EA	57420	B005 1"-6" NEOPRENE PIPE BOOT W/CLAMP		
15	EA	57450	T003 1/4"-4" DM3 DECKMATE W/CLAMP		
10	EA	57451	T005 4"-7" DM5 DECKMATE W/CLAMP		
12	EA	57405	85019 2IN GALV ROOF FLASHING		
12	EA	57406	85029 3IN GALV ROOF FLASHING		
12	EA	57407	85039 4IN GALV ROOF FLASHING		
5	EA	57401	C126 ALUMIFLASH W/CLAMP		
5	EA	57400	C212 ALUMIFLASH W/CLAMPS		
1	EA	57452	13010 3/8 OD LIQUID LINE SM RD ADPT F/ALUMI FLASH		

1090 Weather Cap



A low cost weathercap for round stack is designed to protect combustion flues from the elements. Designed for protective purposes only; does not incorporate any anti-down draft features. Design features such as one piece spun caps eliminate leak possibilities. Larger sizes available upon request.

Collar Dia. (In.)	Collar Height (In.)	Overall Width (In.)	Overall Height (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
4	3	8	5	12	EA	23101	1090 4IN GALV WEATHER CAP		
5	3	9-3/4	5-1/2	12	EA	23102	1090 5IN GALV WEATHER CAP		
6	3	9-3/4	6	12	EA	23103	1090 6IN GALV WEATHER CAP		
7	3	11-1/4	6-1/8	12	EA	23104	1090 7IN GALV WEATHER CAP		
8	3	12-7/8	7	12	EA	23105	1090 8IN GALV WEATHER CAP		
10	3	16	8	6	EA	23107	1090 10IN GALV WEATHER CAP		
12	4	19-1/4	10-3/4	6	EA	23108	1090 12IN GALV WEATHER CAP		
14	4	23	12	6	EA	23109	1090 14IN GALV WEATHER CAP		

Versa-Cap Chimney Caps



- Wide range adjustable collar
- No down draft—ends pilot light problems.
- Positive draft action
- Clean modern design
- Corrosion resistant aluminum
- Bird proof
- Baffles stop rain and snow
- Reduces your cap inventory by 70%
- Aluminum models U.L. listed for Type B double wall gas vents

Opening (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
3–5	12	EA	22570	6-3050 VERSACAP CHIMNEY CAP		
5–7	12	EA	22571	6-5070 VERSACAP CHIMNEY CAP		
7–9	12	EA	22573	6-7090 VERSACAP CHIMNEY CAP		
9–11	6	EA	22574	6-9011 VERSACAP CHIMNEY CAP		

1092 ZIPP-Air Galvanized Gravity Ventilator



ZIPP-Air ventilators for round stack are an optimum air control device. Has engineered-in anti-down draft features. They can also be used for down draft control and positive control of products combustion in flue exhaust systems. The aspirating action of ZIPP-Air ventilators improves the discharge flow of contaminated air or gases. Assures positive flow regardless of wind direction. Larger sizes available upon request.

Collar Dia. (In.)	Collar Height (In.)	Overall Height (In.)	Overall Width (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN
4	2	6	8-1/4	1	EA	22591	1092 4IN ZIPPAIR VENT	
5	2	7	8-1/4	1	EA	22592	1092 5IN ZIPPAIR VENT	
6	2	8	8-1/2	1	EA	22593	1092 6IN ZIPPAIR VENT	
7	2	10	11-1/2	1	EA	22594	1092 7IN ZIPPAIR VENT	
8	2	11-1/8	12-3/4	1	EA	22595	1092 8IN ZIPPAIR VENT	
10	3	14-3/4	16-1/4	1	EA	22597	1092 10IN ZIPPAIR VENT	
12	3	19	19	1	EA	22598	1092 12IN ZIPPAIR VENT	

1095 Stationary Ventilator



Band type ventilators for round stack are low cost units that aid in the acceleration of exhaust from structures. Band design plus an internal storm band provides full weather protection. An ideal unit for exhausting fumes from industrial plants and agricultural buildings, where the possibility of down drafts is not an important factor. Larger sizes available upon request.

Collar Dia. (In.)	Overall Height (In.)	Overall Width (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN
6	8	10	1	EA	22939	1095 6IN GALV STATIONARY VENT	
10	10-3/4	17	1	EA	22941	1095 10IN GALV STATIONARY VENT	

DuraVent FasNSeal™ AL29-4C Stainless Steel Venting



Protech's FasNSeal venting system delivers a quick and easy installation with an instant, firm, and positive seal. FasNSeal combines the FasNSeal™ fastening method with an innovative, built-in sealing system. There is no need to clean vent surfaces before applying sealants and no need for curing time. The heating unit can be started as soon as the installation is complete.

- A welded butt seam is smooth inside and out, is vapor and water tight, and avoids application of sealants in the field.
- Built-in sealing system assures vapor and water tightness without field modifications and avoids condensate "puddling" in the joints.
- Built-in fastening system makes installation quick and easy.
- Can be used with Allied Commercial LF24 Compact Unit Heaters found in the Unit Heaters section of Group 8 of this catalog.

For a typical horizontal vent job order:

1 - Boiler Adapter (Choose adapter based on job requirements.)
2 - #28006 90° Elbow
1 - #28018 Wall Thimble
1 - #28009 Terminal Tee
1 - #28008 Horizontal Drain Tee
2 - #28017 Adjustable Adapter
4 - #28003 24" Pipe
4 - #28004 36" Pipe

3 Inch Pipe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
8	EA	28000	810003091 3IN X 6IN STAINLESS STEEL PIPE		
8	EA	28001	810003092 3IN X 12IN STAINLESS STEEL PIPE		
8	EA	28002	810003093 3IN X 18IN STAINLESS STEEL PIPE		
8	EA	28003	810003094 3IN X24IN STAINLESS STEEL PIPE		
4	EA	28004	810003095 3IN X 36IN STAINLESS STEEL PIPE		

3 Inch Fittings

10	EA	28005	810003108 3IN 45 DEG ELBOW		
10	EA	28006	810003106 3IN 90 DEG ELBOW		
8	EA	28007	810003120 3IN BIRD SCREEN		
10	EA	28008	810003119 3IN HORIZ DRAIN TEE		
8	EA	28009	810003121 3IN TERM TEE		
6	EA	28012	810004072 3IN WEIL CGI STARTER		
6	EA	28016	810004071 3IN FSA WEIL GV STARTER TEE		
8	EA	28017	810003097 3IN X 18IN ADJ ADAPTER		
2	EA	28018	810003124 3IN WALL THIMBLE		
10	EA	28019	810003131 3IN RAIN CAP		
8	EA	28021	300359 3IN BUDERUS ADAPTER		
8	EA	28039	810003122 3IN TERMINATION BOX		
8	EA	28041	810003136 3X4 TAPERED INCREASER		
8	EA	28044	810003966 3IN NORITZ/BUDERUS ADAPTER		

4 Inch Pipe

8	EA	28025	810003142 4IN X 6IN STAINLESS STEEL PIPE		
8	EA	28026	810003143 4IN X 12IN STAINLESS STEEL PIPE		
8	EA	28027	810003144 4IN X 18IN STAINLESS STEEL PIPE		
8	EA	28028	810003145 4IN X24IN STAINLESS STEEL PIPE		
4	EA	28029	810003146 4IN X 36IN STAINLESS STEEL PIPE		

4 Inch Fittings

10	EA	28030	810003159 4IN 45 DEG ELBOW		
10	EA	28031	810003157 4IN 90 DEG ELBOW		
8	EA	28032	810003174 4IN BIRD SCREEN		
10	EA	28033	810003173 4IN HORIZ DRAIN TEE		
8	EA	28034	810003148 4IN X 18IN ADJ ADAPTER		
2	EA	28035	810003178 4IN WALL THIMBLE		
10	EA	28036	810003175 4IN TERM TEE		
6	EA	28037	810003185 4IN RAIN CAP		
8	EA	28038	810003970 4IN BUDERUS ADAPTER		
8	EA	28042	810003176 4IN TERMINATION BOX		

NOTE: Do not use any other AL29-4C product with the FasNSeal venting.

Streamline® Tube • Fittings • Valves Copper Tube



Copper is the leading choice of plumbing, heating, and cooling contractors for many types of residential and commercial installations. This is because copper is economical, lightweight, formable, easy to join, safe, dependable, long-lasting, and 100% recyclable.

Application	Use Copper Tube Type
Underground water services	M and L
Water distribution systems	M
Chilled water mains	M
Radiant panel and hydronic heating	M and L
Water heating and low pressure steam	M

Application	Use Copper Tube Type
Condensate return lines	L
Fuel oil, LP and nat gas	L or ACR
Fire sprinkler systems	M and L
Ground source heat pump	L or ACR
Air conditioning and refrigeration systems	L or ACR

ACR L-Tube 10 Ft.

(10 Ft. copper tube can be combined for quantity pricing. Prices available on request.)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
250	FT	54520	1/4 NOM 3/8 OD 10FT ACR TUBE
250	FT	54521	3/8 NOM 1/2 OD 10FT ACR TUBE
250	FT	54522	1/2 NOM 5/8 OD 10FT ACR TUBE
100	FT	54523	5/8 NOM 3/4 OD 10FT ACR TUBE
100	FT	54524	3/4 NOM 7/8 OD 10FT ACR TUBE
50	FT	54525	1 NOM 1 1/8 OD 10FT ACR TUBE
50	FT	54526	1 1/4 NOM 1 3/8 OD 10FT ACR TUBE
50	FT	54527	1 1/2 NOM 1 5/8 OD 10FT ACR TUBE
10	FT	54528	2 NOM 2 1/8 OD 10FT ACR TUBE

ACR L-Tube 20 Ft.

(20 Ft. copper tube can be combined for quantity pricing. Prices available on request)

500	FT	54099	1/4 NOM 3/8 OD ACR TUBE
500	FT	54100	3/8 NOM 1/2 OD ACR TUBE
500	FT	54101	1/2 NOM 5/8 OD ACR TUBE
200	FT	54102	5/8 NOM 3/4 OD ACR TUBE
200	FT	54103	3/4 NOM 7/8 OD ACR TUBE
100	FT	54104	1 NOM 1 1/8 OD ACR TUBE
100	FT	54105	1 1/4 NOM 1 3/8 OD ACR TUBE
100	FT	54106	1 1/2 NOM 1 5/8 OD ACR TUBE
60	FT	54107	2 NOM 2 1/8 OD ACR TUBE

L-Tube (Hard) 10 Ft.

(10 Ft. copper tube can be combined for quantity pricing. Prices available on request)

250	FT	54511	1/2 NOM 5/8 OD 10FT L TUBE
100	FT	54512	3/4 NOM 7/8 OD 10FT L TUBE
50	FT	54513	1 NOM 1 1/8 OD 10FT L TUBE
50	FT	54514	1 1/4 NOM 1 3/8 OD 10FT L TUBE
50	FT	54515	1 1/2 NOM 1 5/8 OD 10FT L TUBE

L-Tube (Hard) 20 Ft.

(20 Ft. copper tube can be combined for quantity pricing. Prices available on request)

500	FT	54111	1/2 NOM 5/8 OD L TUBE
200	FT	54112	3/4 NOM 7/8 OD L TUBE
100	FT	54113	1 NOM 1 1/8 OD L TUBE
100	FT	54114	1 1/4 NOM 1 3/8 OD L TUBE
100	FT	54115	1 1/2 NOM 1 5/8 OD L TUBE

M-Tube (Hard) 10 Ft.

(10 Ft. copper tube can be combined for quantity pricing. Prices available on request)

250	FT	54125	1/2 NOM 5/8 OD 10FT M TUBE
100	FT	54126	3/4 NOM 7/8 OD 10FT M TUBE
50	FT	54127	1 NOM 1 1/8 OD 10FT M TUBE
50	FT	54128	1 1/4 NOM 1 3/8 OD 10FT M TUBE
50	FT	54129	1 1/2 NOM 1 5/8 OD 10FT M TUBE
10	FT	54130	2 NOM 2 1/8 OD 10 FT M TUBE

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M-Tube (Hard) 20 Ft.

(20 Ft. copper tube can be combined for quantity pricing. Prices available on request)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
500	FT	54132	1/2 NOM 5/8 OD M TUBE
200	FT	54133	3/4 NOM 7/8 OD M TUBE
100	FT	54134	1 NOM 1 1/8 OD M TUBE
100	FT	54135	1 1/4 NOM 1 3/8 OD M TUBE
100	FT	54136	1 1/2 NOM 1 5/8 OD M TUBE
60	FT	54137	2 NOM 2 1/8 OD M TUBE

L-Refrigeration Tube, 50/100 Ft. Coils

(50 & 100 Ft. copper tube can be combined for quantity pricing.)

10	EA	54065	5/16 OD 50 FT REF TUBE COIL
10	EA	54066	1/4 OD 50 FT REF TUBE COIL
10	EA	54067	3/8 OD 50 FT REF TUBE COIL
5	EA	54068	1/2 OD 50 FT REF TUBE COIL
5	EA	54069	5/8 OD 50 FT REF TUBE COIL
3	EA	54070	3/4 OD 50 FT REF TUBE COIL
3	EA	54071	7/8 OD 50 FT REF TUBE COIL
10	EA	54072	3/16 OD 50 FT REF TUBE COIL
1	EA	54073	1 1/8 OD 50 FT REF TUBE COIL
1	EA	54075	3/16 OD 100 FT REF TUBE COIL

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Perforated Copper Tube Strap

25 Ft. Roll



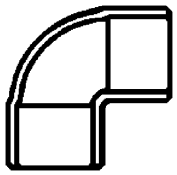
Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
10	EA	54002	WS-1101 25 FT ROLL PERFORATED COPPER TUBE STRAP

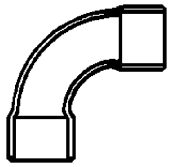
Streamline® Copper Sweat Fittings

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Elbows: WE500, WE500R, WE500L



WE500



WE500L

WE500 Copper to Copper, 90° Short Radius Elbows (Bagged)

Nominal Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3/4	25	EA	54308	WE500 3/4 NOM 7/8 OD S/R 90 DEG ELBOW BAG = 25 EA	

WE500 Copper to Copper, 90° Short Radius Elbows

Nominal Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
1/4	50	EA	54297	WE500 3/8 OD S/R 90 DEG ELBOW			
3/8	50	EA	54298	WE500 1/2 OD S/R 90 DEG ELBOW			
1/2	100	EA	54299	WE500 5/8 OD S/R 90 DEG ELBOW			
5/8	50	EA	54300	WE500 3/4 OD S/R 90 DEG ELBOW			
3/4	50	EA	54301	WE500 7/8 OD S/R 90 DEG ELBOW			
1	25	EA	54302	WE500 1 1/8 OD S/R 90 DEG ELBOW			
1-1/4	25	EA	54303	WE500 1 3/8 OD S/R 90 DEG ELBOW			
1-1/2	10	EA	54304	WE500 1 5/8 OD S/R 90 DEG ELBOW			
2	10	EA	54305	WE500 2 1/8 OD S/R 90 DEG ELBOW			
2-1/2	5	EA	54306	WE500 2 5/8 OD S/R 90 DEG ELBOW			
3	5	EA	54310	WE500 3 1/8OD S/R 90 DEG ELBOW			

WE500R Copper to Copper, 90° Short Radius Reducing Elbows

3/8 x 1/4	50	EA	54269	WE500R 1/2X3/8 S/R 90 DEG ELBOW			
1/2 x 3/8	50	EA	54294	WE500R 5/8X1/2 OD S/R 90 DEG ELBOW			
3/4 x 1/2	10	EA	54271	WE500R 7/8X5/8 OD S/R 90 DEG ELBOW			
3/4 x 5/8	50	EA	54270	WE500R 7/8X3/4 S/R 90 DEG ELBOW			
1 x 3/4	25	EA	54272	WE500R 1 1/8X7/8 OD S/R 90 DEG ELBOW			

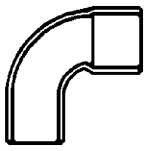
WE500L Copper to Copper, 90° Long Radius Elbows

1/8	50	EA	54235	WE500L 1/4 OD L/R 90 DEG ELBOW			
1/4	50	EA	54236	WE500L 3/8 OD L/R 90 DEG ELBOW			
3/16	50	EA	54507	WE500L 5/16 OD L/R 90 DEG ELBOW			
3/8	50	EA	54237	WE500L 1/2 OD L/R 90 DEG ELBOW			
1/2	50	EA	54238	WE500L 5/8 OD L/R 90 DEG ELBOW			
5/8	50	EA	54239	WE500L 3/4 OD L/R 90 DEG ELBOW			
3/4	25	EA	54240	WE500L 7/8 OD L/R 90 DEG ELBOW			
1	10	EA	54241	WE500L 1 1/8 OD L/R 90 DEG ELBOW			
1-1/4	10	EA	54242	WE500L 1 3/8 OD L/R 90 DEG ELBOW			
1-1/2	5	EA	54243	WE500L 1 5/8OD L/R 90 DEG EL			
2	5	EA	54244	WE500L 2 1/8OD L/R 90 DEG EL			

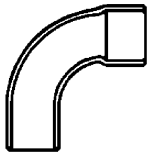
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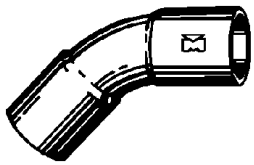
Elbows: WE503, WE503L, WE504, WE505



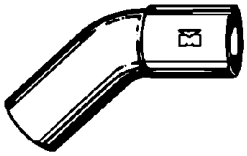
WE503



WE503L



WE504



WE505

WE503 Fitting to Copper, 90° Short Radius Street Elbows (Bagged)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25	EA	54324	WE503 7/8 OD S/R 90 DEG ST ELBOW	

WE503 Fitting to Copper, 90° Short Radius Street Elbows

Nominal Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
1/4	50	EA	54313	WE503 3/8 OD S/R 90 DEG ST ELBOW			
3/8	50	EA	54315	WE503 1/2 OD S/R 90 DEG ST ELBOW			
1/2	50	EA	54316	WE503 5/8 OD S/R 90 DEG ST ELBOW			
5/8	25	EA	54314	WE503 3/4 OD S/R 90 DEG ST ELBOW			
3/4	25	EA	54317	WE503 3/4 NOM 7/8 OD S/R 90 DEG ST			
1	25	EA	54318	WE503 1 1/8 OD S/R 90 DEG ST ELBOW			
1-1/4	25	EA	54319	WE503 1 3/8 OD S/R 90 DEG ST ELBOW			
1-1/2	10	EA	54320	WE503 1 5/8 OD S/R 90 DEG ST ELBOW			

WE503L Fitting to Copper, 90° Long Radius Street Elbows

1/4	50	EA	54281	WE503L 3/8 OD L/R 90 DEG ST ELBOW			
3/8	50	EA	54282	WE503L 1/2 OD L/R 90 DEG ST ELBOW			
1/2	50	EA	54283	WE503L 5/8 OD L/R 90 DEG ST ELBOW			
5/8	25	EA	54284	WE503L 3/4 OD L/R 90 DEG ST ELBOW			
3/4	25	EA	54285	WE503L 7/8 OD L/R 90 DEG ST ELBOW			
1	10	EA	54286	WE503L 1 1/8 OD L/R 90 DEG ST ELBOW			
1-1/4	10	EA	54287	WE503L 1 3/8 OD L/R 90 DEG ST ELBOW			
1-1/2	5	EA	54288	WE503L 1 5/8 OD L/R 90 DEG ST ELBOW			

WE504 Copper to Copper, 45° Elbows

1/8	50	EA	54252	WE504 1/4 OD 45 DEG ELBOW			
1/4	50	EA	54254	WE504 3/8 OD 45 DEG ELBOW			
3/8	50	EA	54255	WE504 1/2 OD 45 DEG ELBOW			
1/2	50	EA	54256	WE504 5/8 OD 45 DEG ELBOW			
5/8	50	EA	54257	WE504 3/4 OD 45 DEG ELBOW			
3/4	25	EA	54258	WE504 7/8 OD 45 DEG ELBOW			
1	25	EA	54259	WE504 1 1/8 OD 45 DEG ELBOW			
1-1/4	10	EA	54260	WE504 1 3/8 OD 45 DEG ELBOW			
1-1/2	10	EA	54261	WE504 1 5/8 OD 45 DEG ELBOW			
2	10	EA	54262	WE504 2 1/8 OD 45 DEG ELBOW			

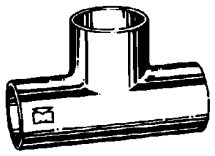
WE505 Fitting to Copper, 45° Street Elbows

1/4	100	EA	54225	WE505 3/8 OD 45 DEG ST ELBOW			
3/8	100	EA	54226	WE505 1/2 OD 45 DEG ST ELBOW			
1/2	25	EA	54227	WE505 5/8 OD 45 DEG ST ELBOW			
5/8	50	EA	54228	WE505 3/4 OD 45 DEG ST ELBOW			
3/4	25	EA	54229	WE505 7/8 OD 45 DEG ST ELBOW			
1	25	EA	54230	WE505 1 1/8 OD 45 DEG ST ELBOW			
1-1/4	10	EA	54231	WE505 1 3/8 OD 45 DEG ST ELBOW			
1-1/2	10	EA	54232	WE505 1 5/8 OD 45 DEG ST ELBOW			
2	5	EA	54233	WE505 2 1/8 OD 45 DEG ST ELBOW			
2-1/2	2	EA	54234	WE505 2 5/8 OD 45 DEG ST ELBOW			

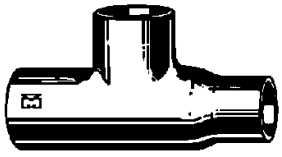
Streamline® Copper Sweat Fittings

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Tees: WT600 and WT600R



WT600



WT600R

WT600 Copper to Copper to Copper Tees

Nominal Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
1/8	100	EA	54328	WT600 1/4 OD TEE			
3/16	50	EA	54326	WT600 5/16 OD TEE			
1/4	50	EA	54329	WT600 3/8 OD TEE			
3/8	50	EA	54330	WT600 1/2 OD TEE			
1/2	50	EA	54331	WT600 5/8 OD TEE			
5/8	25	EA	54332	WT600 3/4 OD TEE			
3/4	25	EA	54334	WT600 7/8 OD TEE			
1	10	EA	54335	WT600 1 1/8 OD TEE			
1-1/4	5	EA	54336	WT600 1 3/8 OD TEE			
1-1/2	5	EA	54337	WT600 1 5/8 OD TEE			
2	5	EA	54338	WT600 2 1/8 OD TEE			

WT600R Copper to Copper to Copper Reducing Tees

1/4 x 1/4 x 3/8	50	EA	54340	WT600R 3/8X3/8X1/2 OD TEE			
3/8 x 3/8 x 1/8	50	EA	54360	WT600R 1/2X1/2X1/4 OD TEE			
3/8 x 3/8 x 1/4	50	EA	54342	WT600R 1/2X1/2X3/8 OD TEE			
1/2 x 1/4 x 1/4	50	EA	54343	WT600R 5/8X3/8X3/8 OD TEE			
1/2 x 1/2 x 1/4	50	EA	54345	WT600R 5/8X5/8X3/8 OD TEE			
1/2 x 1/2 x 3/8	50	EA	54344	WT600R 5/8X5/8X1/2 OD TEE			
5/8 x 1/2 x 1/2	25	EA	54333	WT600R 3/4X5/8X5/8 OD TEE			
5/8 x 5/8 x 3/8	25	EA	54346	WT600R 3/4X3/4X1/2 OD TEE			
3/4 x 1/2 x 1/2	25	EA	54348	WT600R 7/8X5/8X5/8 OD TEE			
3/4 x 3/4 x 1/2	25	EA	54349	WT600R 7/8X7/8X5/8 OD TEE			
3/4 x 3/4 x 1	10	EA	54350	WT600R 7/8X7/8X1 1/8 OD TEE			
1 x 3/4 x 3/4	10	EA	54351	WT600R 1 1/8X7/8X7/8 OD TEE			
1 x 3/4 x 1	10	EA	54365	WT600R 1 1/8X7/8X1 1/8 OD TEE			
1 x 1 x 1/2	10	EA	54352	WT600R 1 1/8X1 1/8X5/8 OD TEE			
1 x 1 x 3/4	10	EA	54353	WT600R 1 1/8X1 1/8X7/8 OD TEE			
1-1/4 x 3/4 x 3/4	5	EA	54354	WT600R 1 3/8X7/8X7/8 OD TEE			
1-1/4 x 1 x 3/4	5	EA	54355	WT600R 1 3/8X1 1/8X7/8 OD TEE			
1-1/4 x 1 x 1	5	EA	54356	WT600R 1 3/8X1 1/8X1 1/8 OD TEE			
1-1/4 x 1-1/4 x 1/2	5	EA	54357	WT600R 1 3/8X1 3/8X5/8 OD TEE			
1-1/4 x 1-1/4 x 3/4	5	EA	54358	WT600R 1 3/8X1 3/8X7/8 OD TEE			
1-1/4 x 1-1/4 x 1	5	EA	54359	WT600R 1 3/8X1 3/8X1 1/8 OD TEE			
1-1/2 x 1-1/2 x 3/4	5	EA	54361	WT600R 1 5/8X1 5/8X7/8 OD TEE			

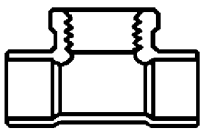
Streamline® Copper Sweat Fittings

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Tees: T301 and T302



T301



T302R

T301 Copper to Copper FPT to Copper BB Vent Tees

Nominal Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
1/2 x 1/8 x 1/2	50	EA	54428	T301 5/8X1/8X5/8 OD BB TEE			
3/4 x 1/8 x 3/4	25	EA	54429	T301 7/8X1/8X7/8 OD BB TEE			
1 x 1/8 x 1	10	EA	54430	T301 1 1/8X1/8X1 1/8 OD BB TEE			

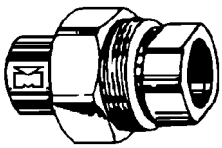
T302R Copper to Copper FPT Tees

3/4 x 3/4 x 1/2	25	EA	54373	T302R 7/8ODX7/8ODX1/2FPT TEE			
1 x 1 x 1/2	10	EA	54374	T302R 1 1/8X1 1/8 OD X 1/2FPT TEE			

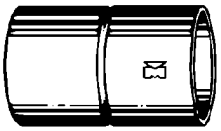
Streamline® Copper Sweat Fittings

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Unions and Couplings: WC407, WC400, WC400NS, WC400R



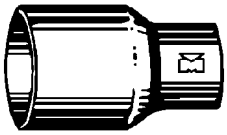
WC407



WC400



WC400NS



WC400R

WC407 Copper Unions

Nominal Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
3/8	25	EA	54166	WC407 1/2 OD UNION			
1/2	25	EA	54168	WC407 5/8 OD UNION			
3/4	10	EA	54169	WC407 7/8 OD UNION			
1	10	EA	54167	WC407 1 1/8 OD UNION			
1-1/4	5	EA	54153	WC407 1 3/8 OD UNION			

WC400 Copper to Copper Rolled Stop Couplings

1/8	100	EA	54155	WC400 1/4 OD COUPLING			
3/16	100	EA	54500	WC400S 5/16 OD COUPLING			
1/4	50	EA	54156	WC400 3/8 OD COUPLING			
3/8	50	EA	54157	WC400 1/2 OD COUPLING			
1/2	100	EA	54158	WC400 5/8 OD COUPLING			
5/8	50	EA	54159	WC400 3/4 OD COUPLING			
3/4	50	EA	54160	WC400 7/8 OD COUPLING			
1	25	EA	54161	WC400 1 1/8 OD COUPLING			
1-1/4	25	EA	54162	WC400 1 3/8 OD COUPLING			
1-1/2	10	EA	54163	WC400 1 5/8 OD COUPLING			
2	75	EA	54164	WC400 2 1/8 OD COUPLING			
2-1/2	50	EA	54165	WC400 2 5/8 OD COUPLING			

WC400NS Copper to Copper No Stop Couplings

3/8	25	EA	54120	WC400NS 1/2 OD COUPLING			
1/2	50	EA	54121	WC400NS 5/8 OD COUPLING			
5/8	25	EA	54122	WC400NS 3/4 OD COUPLING			
3/4	25	EA	54123	WC400NS 7/8 OD COUPLING			
1	25	EA	54124	WC400NS 1 1/8 OD COUPLING			

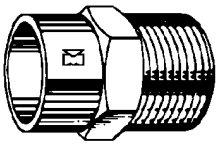
WC400R Copper to Copper Reducing Couplings

1/4 x 1/8	50	EA	54171	WC400R 3/8X1/4 OD COUPLING			
1/4 x 3/16	50	EA	54501	WC400R 3/8X5/16 OD COUPLING			
3/8 x 1/8	50	EA	54172	WC400R 1/2X1/4 OD COUPLING			
3/8 x 1/4	50	EA	54173	WC400R 1/2X3/8 OD COUPLING			
1/2 x 1/4	50	EA	54174	WC400R 5/8X3/8 OD COUPLING			
1/2 x 3/8	50	EA	54175	WC400R 5/8X1/2 OD COUPLING			
5/8 x 1/4	10	EA	54143	WC400R 3/4X3/8 OD COUPLING			
5/8 x 3/8	10	EA	54190	WC400R 3/4X1/2 OD COUPLING			
5/8 x 1/2	100	EA	54170	WC400R 3/4X5/8 OD COUPLING			
3/4 x 1/4	50	EA	54144	WC400R 7/8X3/8 OD COUPLING			
3/4 x 3/8	50	EA	54176	WC400R 7/8X1/2 OD COUPLING			
3/4 x 1/2	50	EA	54177	WC400R 7/8X5/8 OD COUPLING			
3/4 x 5/8	100	EA	54178	WC400R 7/8X3/4 OD COUPLING			
1 x 3/8	25	EA	54145	WC400R 1 1/8X1/2 OD COUPLING			
1 x 1/2	25	EA	54146	WC400R 1 1/8X5/8 OD COUPLING			
1 x 3/4	25	EA	54179	WC400R 1 1/8X7/8 OD COUPLING			
1-1/4 x 3/4	10	EA	54181	WC400R 1 3/8X7/8 OD COUPLING			
1-1/4 x 1	10	EA	54180	WC400R 1 3/8X1 1/8 OD COUPLING			
1-1/2 x 3/4	10	EA	54148	WC400R 1 5/8X7/8 OD COUPLING			
1-1/2 x 1	10	EA	54183	WC400R 1 5/8X1 1/8 OD COUPLING			
1-1/2 x 1-1/4	10	EA	54182	WC400R 1 5/8X1 3/8 OD COUPLING			
2 x 1	100	EA	54184	WC400R 2 1/8X1 1/8 OD COUPLING			
2 x 1-1/4	100	EA	54185	WC400R 2 1/8 X 1 3/8 OD COUPLING			
2 x 1-1/2	10	EA	54186	WC400R 2 1/8 X 1 5/8 OD COUPLING			
2 x 2-1/2	50	EA	54471	WC400R 2 5/8X 2 1/8OD COUPLING			

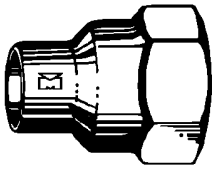
Streamline® Copper Sweat Fittings

Tube • Fittings • Valves

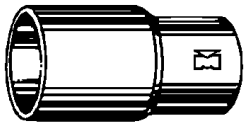
Adapters and Bushings: WC401, WC402, and WC403



WC401R



WC402R



WC403R

WC401, WC401R Copper to MPT, Male Adapters

Nominal Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
3/8 x 1/2	50	EA	54202	WC401R 1/2 OD X 1/2 MPT ADAPTER			
3/8 x 3/4	25	EA	54203	WC401R 1/2 OD X 3/4 MPT ADAPTER			
3/4 x 1	25	EA	54206	WC401R 7/8 OD X 1 MPT ADAPTER			
1/2 x 1/2	50	EA	54208	WC401 5/8 OD X 1/2 MPT ADAPTER			
1/2 x 3/4	1	EA	54216	WC401R 5/8 OD X 3/4 MPT ADAPTER			
5/8 x 1/2	25	EA	54204	WC401R 3/4 OD X 1/2 MPT ADAPTER			
5/8 x 3/4	25	EA	54223	WC401R 3/4 OD X 3/4 MPT ADAPTER			
3/4 x 1/2	25	EA	54224	WC401R 7/8 OD X 1/2 MPT ADAPTER			
3/4 x 3/4	25	EA	54209	WC401 7/8 OD X 3/4 MPT ADAPTER			
1 x 3/4	10	EA	54207	WC401R 1 1/8 OD X 3/4 MPT ADAPTER			
1 x 1	10	EA	54210	WC401 1 1/8 OD X 1 MPT ADAPTER			
1-1/4 x 1-1/4	10	EA	54211	WC401 1 3/8 OD X 1 1/4 MPT ADAPTER			
1-1/4 x 1-1/2	10	EA	54214	WC401R 1 3/8 OD X 1 1/2 MPT ADAPTER			
1-1/2 x 1-1/4	10	EA	54466	WC401R 1 5/8OD X 1 1/4MPT ADAPTER			
1-1/2 x 1-1/2	10	EA	54212	WC401 1 5/8 OD X 1 1/2 MPT ADAPTER			
2 x 2	50	EA	54462	WC401 2 1/8OD X 2 MPT ADAPTER			

WC402, WC402R Copper to FPT, Female Adapters

3/8 x 1/2	50	EA	54200	WC402 1/2 OD X 1/2 FPT ADAPTER			
1/2 x 1/2	50	EA	54192	WC402 5/8 OD X 1/2 FPT ADAPTER			
1/2 x 3/4	50	EA	54195	WC402 5/8 OD X 3/4 FPT ADAPTER			
3/4 x 1/2	10	EA	54201	WC402 7/8 OD X 1/2 FPT ADAPTER			
3/4 x 3/4	25	EA	54193	WC402 7/8 OD X 3/4 FPT ADAPTER			
1 x 3/4	25	EA	54196	WC402 1 1/8 OD X 3/4 FPT ADAPTER			
1 x 1	10	EA	54191	WC402 1 1/8 OD X 1 FPT ADAPTER			
1-1/4 x 1-1/4	10	EA	54199	WC402 1 3/8 OD X 1 1/4 FPT ADAPTER			
1 1/2 x 1 1/2	10	EA	54467	WC402 1 5/8OD X 1 1/2FPT ADAPTER			
2 x 2	50	EA	54468	WC402 2 1/8OD X 2 FPT ADAPTER			

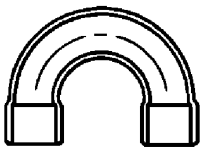
WC403R Fitting to Copper Reducing Bushings

1/4 x 1/8	50	EA	54392	WC403R 3/8X1/4 OD RED FITTING			
3/8 x 1/4	50	EA	54394	WC403R 1/2X3/8 OD RED FITTING			
1/2 x 1/4	50	EA	54396	WC403R 5/8X3/8 OD RED FITTING			
1/2 x 3/8	50	EA	54395	WC403R 5/8X1/2 OD RED FITTING			
5/8 x 1/2	100	EA	54393	WC403R 3/4X5/8 OD RED FITTING			
3/4 x 3/8	50	EA	54397	WC403R 7/8X1/2 OD RED FITTING			
3/4 x 1/2	50	EA	54398	WC403R 7/8X5/8 OD RED FITTING			
3/4 x 5/8	50	EA	54399	WC403R 7/8X3/4 OD RED FITTING			
1 x 1/2	25	EA	54391	WC403R 1 1/8X5/8 OD RED FITTING			
1 x 5/8	25	EA	54400	WC403R 1 1/8X3/4 OD RED FITTING			
1 x 3/4	25	EA	54401	WC403R 1 1/8X7/8 OD RED FITTING			
1-1/4 x 3/4	10	EA	54403	WC403R 1 3/8X7/8 OD RED FITTING			
1-1/4 x 1	10	EA	54404	WC403R 1 3/8X1 1/8 OD RED FITTING			
1-1/2 x 1	10	EA	54405	WC403R 1 5/8X1 1/8 OD RED FITTING			
1-1/2 x 1-1/4	10	EA	54409	WC403R 1 5/8X1 3/8 OD RED FITTING			
2 x 1	100	EA	54406	WC403R 2 1/8X1 1/8 OD RED FITTING			
2 x 1-1/4	100	EA	54407	WC403R 2 1/8X1 3/8 OD RED FITTING			
2 x 1-1/2	100	EA	54408	WC403R 2 1/8X1 5/8 OD RED FITTING			
2-1/2 x 2	50	EA	54410	WC403R 2 5/8X2 1/8 OD RED FITTING			

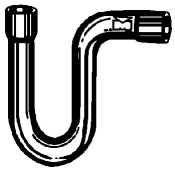
Streamline® Copper Sweat Fittings

Tube • Fittings • Valves

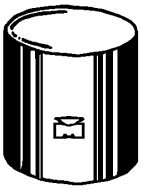
Return Bends, P-Traps, Caps, Tube Straps



W60XX



WE554P



WC415



WS1100

W60XX Copper to Copper Return Bends

Center to Center (In.)	Nominal Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 5 CTNS
1-1/2	1/4	25	EA	54415	W6020 3/8 OD RETURN BEND			
1-1/2	3/8	50	EA	54416	W6032 1/2 OD RETURN BEND			
2-1/8	5/8	10	EA	54418	W6074 3/4 OD RETURN BEND			
2-1/2	3/4	10	EA	54419	W6092 7/8 OD RETURN BEND			

WE554P Copper to Copper Suction Line P-Traps

Nominal Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 5 CTNS
1/2	10	EA	54434	WE554P 5/8 OD P-TRAP			
5/8	10	EA	54433	WE554P 3/4 OD P-TRAP			
3/4	5	EA	54435	WE554P 7/8 OD P-TRAP			
1	3	EA	54436	WE554P 1 1/8 OD P-TRAP			
1-1/4	4	EA	54437	WE554P 1 3/8 OD P-TRAP			
1-1/2	4	EA	54439	WE554P 1 5/8 OD P TRAP			
2	3	EA	54438	WE554P 2 1/8 OD P-TRAP			

WC415 Copper Caps

1/8	50	EA	54382	WC415 1/4 OD CAP			
1/4	50	EA	54383	WC415 3/8 OD CAP			
3/8	50	EA	54381	WC415 1/2 OD CAP			
1/2	50	EA	54385	WC415 5/8 OD CAP			
5/8	50	EA	54389	WC415 3/4 OD CAP			
3/4	25	EA	54386	WC415 7/8 OD CAP			
1	10	EA	54387	WC415 1 1/8 OD CAP			
1-1/4	25	EA	54388	WC415 1 3/8 OD CAP			
1-1/2	25	EA	54384	WC415 1 5/8 OD CAP			
2	100	EA	54380	WC415 2 1/8 OD CAP			

WS1100 Tube Straps

1/8	100	EA	54441	WS1100 1/4 OD TUBE STR FOR 1/8 NOM			
1/4	100	EA	54442	WS1100 3/8 OD TUBE STR FOR 1/4 NOM			
3/8	100	EA	54443	WS1100 1/2 OD TUBE STR FOR 3/8 NOM			
1/2	100	EA	54444	WS1100 5/8 OD TUBE STR FOR 1/2 NOM			
5/8	50	EA	54445	WS1100 3/4 OD TUBE STR FOR 5/8 NOM			
3/4	50	EA	54446	WS1100 7/8 OD TUBE STR FOR 3/4 NOM			
1	50	EA	54447	WS1100 1 1/8 OD TUBE STR FOR 1 NOM			
1-1/4	50	EA	54448	WS1100 1 3/8 OD TUBE STR FOR 1 1/4 NOM			
1-1/2	50	EA	54449	WS1100 1 5/8 OD TUBE STR FOR 1 1/2 NOM			

VULKAN LOKRING Tube Joining System for Refrigerant Line

Solder-free Tube Connection System


Lokbox Tool Set


Deburing Tool


RC1125


RC375


LT & HT Sealant


Brass Inserts


90 Degree Elbow


45 Degree Elbow


Brass Coupling

Lokbox Tool Set

Includes MZ-V hand assembly tool and assembly jaws for tube diameters 8 mm to 35 mm. The MZ-V tool has handles that are offset on both sides for flexible use in hard to reach areas. The easy to change asssembly jaws mean only one tool is needed.

Lokprep Sealant

This anaerobis sealant must be used in all Lokring assemblies. It ensures every Lokring connection is hermetically sealed.
Lokprep LT: For use in ambient temperatures up to 86° F
Lokprep HT: For use in ambient termperatures above 77° F

Assembly Tools

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54540	L13005712 LOKBOX MZ-V TOOL & JAWS MBEVP8-35 LOKBOX TOOL SET	
1	EA	54569	MANGO CLICK B HANDHELD DEBURING TOOL	
1	EA	54571	L14002051 RC1125 RATCHETING TUBE CUTTER 5/16"- 1-1/8"	
1	EA	54570	L14000258 RC375 RATCHETING TUBE CUTTER 1/8"-1/2"	
1	EA	54573	L14003406 LOCKPREP LT 50ML ANAEROBIC SEALANT	
1	EA	54572	L14003581 LOKPREP HT 50ML ANAEROBIC SEALANT	

Brass Inserts

1	EA	54567	L12003067 28.6 VH MS 12 1-1/8" STABILIZATION INSERT	
1	EA	54562	L12003085 9.53 VH MS 08 3/8" STABILIZATION INSERT	
1	EA	54563	L12003088 12.7 VH MS 08 1/2" STABILIZATION INSERT	
1	EA	54564	L12003089 16 VH MS 09 5/8" STABILIZATION INSERT	
1	EA	54565	L12003091 19 VH MS 09 3/4" STABILIZATION INSERT	
1	EA	54566	L12003093 22 VH MS 11 7/8" STABILIZATION INSERT	
1	EA	54568	L12003094 35 VGH MS 14 1-3/8" STABILIZATION INSERT	

Brass Elbows, 90°

1	EA	54550	L13003944 16 NWK LR MS 50 5/8" " LONG RADIUS 90 DEG BRASS ELBOW	
1	EA	54551	L13003945 19 NWK LR MS 50 3/4" LONG RADIUS 90 DEG BRASS ELBOW	
1	EA	54552	L13003946 22 NWK LR MS 50 7/8" LONG RADIUS 90 DEG BRASS ELBOW	
1	EA	54553	L13003948 28.6 NWK LR MS 50 1-1/8" LONG RADIUS 90 DEG BRASS ELBOW	
1	EA	54554	L13003949 35 NWK LR MS 50 1-3/8" LONG RADIUS 90 DEG BRASS ELBOW	
1	EA	54548	L13004625 9.53 NWK LR MS 50 3/8" LONG RADIUS 90 DEG BRASS ELBOW	
1	EA	54549	L13004628 12.7 NWK LR MS 50 1/2" LONG RADIUS 90 DEG BRASS ELBOW	

Brass Elbows, 45°

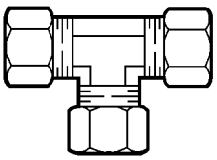
1	EA	54556	L13005112 12.7 NBK CU 50-45 1/2" LONG RADIUS 45 DEG BRASS ELBOW	
1	EA	54557	L13005114 16 NBK CU 50-45 5/8" LONG RADIUS 45 DEG BRASS ELBOW	
1	EA	54558	L13005116 19 NBK CU 50-45 3/4" LONG RADIUS 45 DEG BRASS ELBOW	
1	EA	54559	L13005117 22 NBK CU 50-45 7/8" LONG RADIUS 45 DEG BRASS ELBOW	
1	EA	54560	L13005119 28.6 NBK CU 50-45 1-1/8" LONG RADIUS 45 DEG BRASS ELBOW	
1	EA	54561	L13005121 35 NBK CU 50-45 1-3/8" " LONG RADIUS 45 DEG BRASS ELBOW	
1	EA	54555	L13005122 9.53NBK CU 50-45 3/8" LONG RADIUS 45 DEG BRASS ELBOW	

Brass Couplings

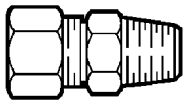
1	EA	54544	L13000605 19 NK MS 50 3/4" STRAIGHT BRASS COUPLING	
1	EA	54545	L13000607 22 NK MS 50 7/8" STRAIGHT BRASS COUPLING	
1	EA	54543	L13001261 16 NK MS 50 5/8" STRAIGHT BRASS COUPLING	
1	EA	54541	L13001390 9.53 NK MS 50 3/8" STRAIGHT BRASS COUPLING	
1	EA	54542	L13001571 12.7 NK MS 50 1/2" STRAIGHT BRASS COUPLING	
1	EA	54546	L13001945 28.6 NK MS 50 1-1/8" STRAIGHT BRASS COUPLING	
1	EA	54547	L13003346 35 NK MS 50 1-3/8" STRAIGHT BRASS COUPLING	

ENERGY SAVING PRODUCTS

Brass Compression Fittings



62-4



68-4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100
10	EA	81289	62-4 1/4 IN UNION		
1	EA	81298	68-4-2 1/8IN X 1/4IN COMPRESSION X MALE ADAPTER		
10	EA	81290	68-4-4 1/4 IN X 1/4 IN COMPRESSION X MALE ADAPTER		

DIVERSITECH

Brass Fittings



D60A-4



D61A-4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH	PC-2 100
100	EA	53003	D60A-4 1/4 IN COMPRESSION SLEEVE		
10	EA	53006	D61A-4 1/4 IN COMPRESSION NUT		

ProLine® Brass Valves for Plumbing

Professional Plumbing & Heating Products

Push Fit, No Lead



- 200 PSI WOA
- 200 PSI @ 200°F
- Full port (full flow) for maximum flow rate
- Packing Gland: blowout-proof stem design
- PTFE seat and packing
- Chrome-plated brass ball and stem
- Rust-resistant heavy-duty handle with vinyl grip
- Dezincification-resistant lead-free brass construction
- 316 stainless steel grip ring
- Integrated brass seal gland increases durability and work life
- Copper, CPVC, and PEX compatible
- PEX stiffeners included with each fitting
- Removable with use of disconnect clip
- Complies with ASSE 1061
- Certified to NSF 61-G
- IAPMO Listed to cUPC
- "Lead-Free" Compliant

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100
1	EA	54424	107-063 1/2" PUSH FIT BALL VALVE FULL		
1	EA	54425	107-064 3/4" PUSH FIT BALL VALVE FULL		
1	EA	54426	107-065 1" PUSH FIT BALL VALVE FULL		

ProLine® Brass Fittings for Plumbing

Professional Plumbing & Heating Products

Push Fit, No Lead



Coupling



Adaptor



90° Elbow



Push Fit Tee

- Forged dezincification-resistant brass construction
- 316 stainless steel grip ring for strength and corrosion resistance
- Disconnect clip available for removal of fitting
- Dual O-ring design (1-1/4"–2")
- Integrated brass seal gland
- "Lead-Free" Compliant
- Certified to NSF 61-G
- Complies with ASSE 1061
- IAPMO listed
- AB1953 compliant
- Full flow design—no tube liners
- Pex stiffeners included with each fitting (1/2"–1")

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100
1	EA	54450	630-003 1/2"X1/2" PUSH FIT COUPLING		
1	EA	54451	630-004 3/4"X3/4" PUSH FIT COUPLING		
1	EA	54452	630-005 1"X1" PUSH FIT COUPLING		
1	EA	54479	630-104 3/4" PF X 3/4" MPT ADAPTER		
1	EA	54480	630-204 3/4" PF X 3/4" FPT ADAPTER		
1	EA	54453	631-003 1/2"X1/2" PUSH FIT 90 DEGREE ELBOW		
1	EA	54454	631-004 3/4"X3/4" PUSH FIT 90 DEGREE ELBOW		
1	EA	54455	631-005 1"X1" PUSH FIT 90 DEGREE ELBOW		
1	EA	54456	632-003 1/2"X1/2"X1/2" PUSH FIT TEE		
20	EA	54481	632-443 3/4X3/4X1/2 PUSH FIT TEE		
1	EA	54457	632-004 3/4"X3/4"X3/4" PUSH FIT TEE		
1	EA	54458	632-005 1"X1"X1" PUSH FIT TEE		

ProLine® Plastic Disconnect Clips

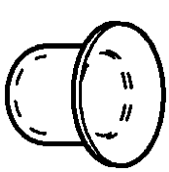
Professional Plumbing & Heating Products



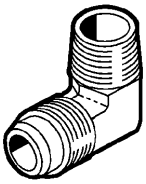
- Disconnect clip for removal of fitting
- Durable plastic construction

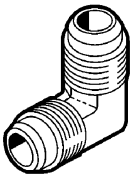
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH	PC-2 100
1	EA	54476	636-003 1/2" PUSH FIT DISCONNCT CLIP		
1	EA	54477	636-004 3/4" PUSH FIT DISCONNECT CLIP		
1	EA	54478	636-005 1" PUSH FIT DISCONNECT CLIP		

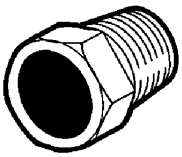
Streamline® Tube • Fittings • Valves Brass Fittings for Refrigeration

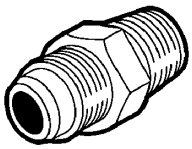

B1

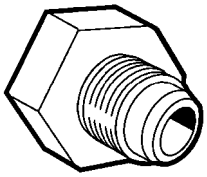

B2


E1


E2


FP


FU


K1

A08074 Replacement Gasket for Drum Adapter

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100
1	EA	56104	A 08074 3/4" REPLACEMENT GASKET		

B1 Flare Seal Bonnet

1	EA	55825	B1-4 1/4 FLARE SEAL		

B2 Flare Gaskets

100	EA	55881	B2-4 1/4 FLARE GASKET		
50	EA	55882	B2-5 5/16 FLARE GASKET		
100	EA	55883	B2-6 3/8 FLARE GASKET		
100	EA	55884	B2-8 1/2 FLARE GASKET		
50	EA	55885	B2-10 5/8 FLARE GASKET		
25	EA	55886	B2-12 3/4 FLARE GASKET		

E1 Forged Half Union Elbows, Flare x MPT

25	EA	56020	E1-4A 1/4X1/8 HALF UNION ELBOW		
25	EA	56021	E1-4B 1/4X1/4 HALF UNION 90 ELBOW		
25	EA	56022	E1-4C 1/4X3/8 HALF UNION ELBOW		
25	EA	56025	E1-6B 3/8X1/4 HALF UNION ELBOW		
25	EA	56026	E1-6C 3/8X3/8 HALF UNION ELBOW		
25	EA	56027	E1-6D 3/8X1/2 HALF UNION ELBOW		
15	EA	56030	E1-8D 1/2X1/2 HALF UNION ELBOW		
10	EA	56034	E1-10D 5/8X1/2 HALF UNION ELBOW		
10	EA	56038	E1-12D 3/4X1/2 HALF UNION ELBOW		
10	EA	56039	E1-12E 3/4X3/4 HALF UNION ELBOW		

E2 Forged Union Elbows, Flare x Flare

25	EA	56045	E2-6 3/8 FULL UNION ELBOW		
15	EA	56046	E2-8 1/2 FULL UNION ELBOW		
10	EA	56047	E2-10 5/8 FULL UNION ELBOW		

FP Fusible Plug

Filled to Melt (° F)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
168	15	EA	56125	FP-C-168 3/8 MPT PLUG	

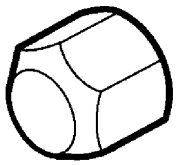
FU Fusible Half Unions, Flare x MPT

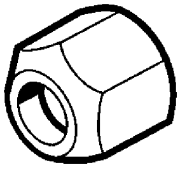
Filled to Melt (° F)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100
210	10	EA	56115	FU4B-210 1/4X1/4 HALF UNION		
210	10	EA	56120	FU6C-210 3/8X3/8 HALF UNION		

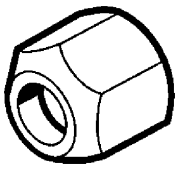
K1 Refrigerant Drum Adapters with Gasket, Flare x FPT

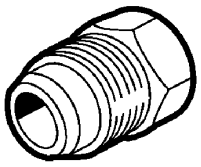
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100
10	EA	56102	K1-8 1/4X1/2 REF ADAPTER W/GASKET		
10	EA	56101	K1-1 1/4X3/4 REF ADAPTER W/GASKET		
10	EA	56103	K1-3 3/8X3/4 REF ADAPTER W/GASKET		

Streamline® Tube • Fittings • Valves Brass Fittings for Refrigeration

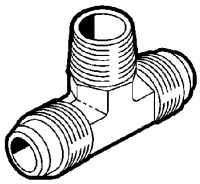

N5

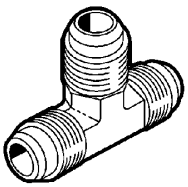

NRS4

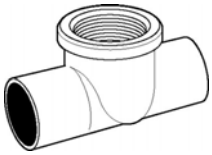

NS4


P2


P34632


T1


T2, TR2


WT602

N5 Forged Flare Fitting Caps (Use B2 Copper Gasket)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100
50	EA	56080	N5-4 1/4 FLARE CAP		
25	EA	56081	N5-5 5/16 FLARE CAP		
25	EA	56082	N5-6 3/8 FLARE CAP		
25	EA	56083	N5-8 1/2 FLARE CAP		
10	EA	56084	N5-12 3/4 FLARE CAP		

NRS4 Reducing Short Forged Flare Nuts

10	EA	55862	NRS4-54 5/16X1/4 FLARE NUT		
25	EA	55863	NRS4-64 3/8X1/4 FLARE NUT		
10	EA	55864	NRS4-65 3/8X5/16 FLARE NUT		
15	EA	55865	NRS4-86 1/2X3/8 FLARE NUT		
15	EA	55866	NRS4-108 5/8X1/2 FLARE NUT		

NS4 Short Forged Flare Nuts

50	EA	55836	NS4-4 1/4 FLARE NUT		
25	EA	55837	NS4-5 5/16 FLARE NUT		
25	EA	55838	NS4-6 3/8 FLARE NUT		
15	EA	55839	NS4-8 1/2 FLARE NUT		
10	EA	55840	NS4-10 5/8 FLARE NUT		
10	EA	55841	NS4-12 3/4 FLARE NUT		

P2 Forged Flare Fitting Plugs

15	EA	56089	P2-4 1/4 IN FLARE PLUG		

P34632 Plastic Seal Cap with O-Ring (for Brass Compressor Valves)

1	EA	54309	P34632 CAP & SEAL ASSEMBLY		

T1 Forged Tees, Flare x Flare x MPT (Male Pipe Thread on Branch)

15	EA	56057	T1-6C 3/8X3/8X3/8 TEE		

T2 Forged Tees, Flared OD Tube All Ends

25	EA	56073	T2-4 1/4 FLARE TEE		
15	EA	56074	T2-6 3/8 FLARE TEE		
15	EA	56075	T2-8 1/2 FLARE TEE		

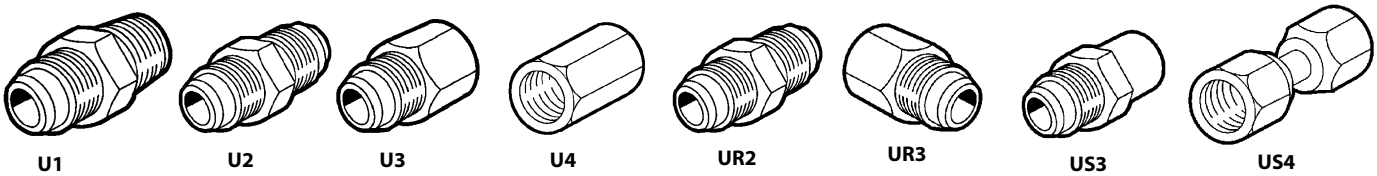
TR2 Forged Reducing Tees, Flared OD Tube All Ends

15	EA	56070	TR2-86 1/2X1/2X3/8 TEE		

WT602 Forged Tee C x C x F

25	EA	54375	WT602 3/8X3/8X1/4 FPT TEE FORGED BRASS		

Streamline® Tube • Fittings • Valves Brass Fittings for Refrigeration



U1 U2 U3 U4 UR2 UR3 US3 US4

U1 Forged Half Union Couplings, Flare x MPT

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100
25	EA	55901	U1-4A 1/4X1/8 HALF UNION		
25	EA	55902	U1-4B 1/4X1/4 HALF UNION		
25	EA	55903	U1-4C 1/4X3/8 HALF UNION		
25	EA	55904	U1-4D 1/4X1/2 HALF UNION		
25	EA	55907	U1-6B 3/8X1/4 HALF UNION		
25	EA	55908	U1-6C 3/8X3/8 HALF UNION		
25	EA	55909	U1-6D 3/8X1/2 HALF UNION		
10	EA	55912	U1-8B 1/2X1/4 HALF UNION		
10	EA	55913	U1-8C 1/2X3/8 HALF UNION		
10	EA	55914	U1-8D 1/2X1/2 HALF UNION		
10	EA	55915	U1-8E 1/2X3/4 HALF UNION		
10	EA	55918	U1-10C 5/8X3/8 HALF UNION		
10	EA	55919	U1-10D 5/8X1/2 HALF UNION		
5	EA	55923	U1-12D 3/4X1/2 HALF UNION		
5	EA	55924	U1-12E 3/4X3/4 HALF UNION		

U2 Forged Union Couplings, Flare x Flare

25	EA	55941	U2-4 1/4 FULL UNION		
25	EA	55942	U2-5 5/16 FULL UNION		
25	EA	55943	U2-6 3/8 FULL UNION		
15	EA	55944	U2-8 1/2 FULL UNION		
10	EA	55945	U2-10 5/8 FULL UNION		
10	EA	55946	U2-12 3/4 FULL UNION		

U3 Forged Female Couplings, Flare x FPT

25	EA	55960	U3-4A 1/4X1/8 FEMALE HALF UNION		
25	EA	55961	U3-4B 1/4X1/4 FEMALE HALF UNION		
15	EA	55962	U3-4C 1/4X3/8 FEMALE HALF UNION		
25	EA	55966	U3-6B 3/8X1/4 FEMALE HALF UNION		
15	EA	55972	U3-8C 1/2X3/8 FEMALE HALF UNION		
15	EA	55973	U3-8D 1/2X1/2 FEMALE HALF UNION		
10	EA	55976	U3-10D 5/8X1/2 FEMALE HALF UNION		

U4 Forged Valve Connectors, Flare x Flare

10	EA	56004	U4-4 1/4 CONNECTOR		
10	EA	56005	U4-6 3/8 CONNECTOR		

UR2 Forged Reducing Union Couplings, Flare x Flare

25	EA	55954	UR2-86 1/2X3/8 FULL UNION		
15	EA	55955	UR2-84 1/2X1/4 FULL UNION		

UR3 Forged Flare Fitting Reducers, Female Flare x Male Flare

15	EA	55989	UR3-46 1/4X3/8 REDUCER		
15	EA	55990	UR3-64 3/8X1/4 REDUCER		
15	EA	55991	UR3-68 3/8X1/2 REDUCER		
15	EA	55994	UR3-86 1/2X3/8 REDUCER		
10	EA	55998	UR3-108 5/8X1/2 REDUCER		
10	EA	55995	UR3-810 1/2X5/8 REDUCER		

US3 Forged Adapters Flare x Sweat

5	EA	56016	US3-66 3/8X3/8 ADAPTER		
5	EA	56018	US3-88 1/2X1/2 ADAPTER		

US4 Forged Swivel Nut Valve Connectors

15	EA	56010	US4-4 1/4 SWIVEL FLARE NUT		
15	EA	56011	US4-6 3/8 SWIVEL FLARE NUT		
15	EA	56012	US4-8 1/2 SWIVEL FLARE NUT		

K-FLEX USA Titan™ Pipe Insulation



- Closed-cell, flexible, elastomeric foam insulation with low thermal conductivity and high resistance to moisture vapor intrusion.
- Flexible, durable, polymeric jacket is UV-, tear-, and abrasion-resistant. It provides protection from weather and from mechanical abuse such as impact from string-type weed wackers.
- Lightweight and flexible. Conforms eaily to bends.
- Ideal for use on linesets and flex hose applications.
- No field-applied protective coating or jacket required.
- Operating Temperature Range: -70° F to +220° F
- R-Value per Square Foot (1/2" Wall)
  5/8" ID = 3.3
  3/4" ID = 3.1
  7/8" ID = 3.2
- 5-year Warranty

Priced Per Foot

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 1-4 CTNS	PC-3 5-9 CTNS	PC-4 10 CTNS
324	FT	44284	6RSR048058 6'X 5/8"ID X 1/2" TITAN UNSLIT				
270	FT	44283	6RSR048068 6' X 3/4"ID X 1/2" TITAN UNSLIT				
228	FT	44285	6RSR048078 6' X 7/8"ID X 1/2" TITAN UNSLIT				

K-FLEX USA Insul-Tube Pipe Insulation

Condensation Control Thickness Recommendations*

Pipe Size	Line Temp. 50° F	Line Temp. 35° F	Line Temp. 0° F
Normal Conditions (Max 85° F, 70% R.H.)			
3/8" ID through 3" IPS	3/8" Wall	1/2" Wall	1" Wall
Over 3" IPS through 4" IPS**	1/2" Wall	1/2" Wall	1" Wall
Over 4" IPS	1/2" Sheet	3/4" Sheet	1" Sheet
Mild Conditions (Max. 80° F, 50% R.H.)			
3/8" ID through 3" IPS	3/8" Wall	3/8" Wall	1/2" Wall
Over 3" IPS through 4" IPS**	1/2" Wall	1/2" Wall	3/4" Wall
Over 4" IPS	1/2" Sheet	1/2" Sheet	1" Sheet
Severe Conditions (Max. 90° F, 80% R.H.)			
3/8" ID through 4" IPS	3/4" Wall	1" Wall	1-1/2" Sheet

*Insul-Tube®: In thickness noted within the specific temperature ranges will prevent condensation on indoor piping under design conditions defined below. Normal: Maximum severity of indoor conditions seldom exceed 85° F and 70% R.H. in United States. Mild: Typical conditions are most air-conditioned spaces and arid climates. Severe: Generally found in areas in which excessive moisture is introduced or in poorly ventilated areas where the temperature may be depressed below the ambient. Under conditions of high humidity additional thickness of insulation may be required. **Available: Nom. 1/2" or Nom. 3/4" thickness only.

Priced Per Foot

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 1-4 CTNS	PC-3 5-9 CTNS	PC-4 10 CTNS
432	FT	44199	6RX038048 6-1/2IDX3/8 FLEXTHERM				
378	FT	44200	6RX038058 6-5/8IDX3/8 FLEXTHERM				
342	FT	44201	6RX038068 6-3/4IDX3/8 FLEXTHERM				
288	FT	44202	6RX038078 6-7/8IDX3/8 FLEXTHERM				
216	FT	44204	6RX038118 6-1-1/8IDX3/8 FLEXTHERM				
168	FT	44206	6RX038138 6-1-3/8IDX3/8 FLEXTHERM				
456	FT	44239	6RX048038 6-3/8IDX1/2 FLEXTHERM				
360	FT	44240	6RX048048 6-1/2IDX1/2 FLEXTHERM				
324	FT	44241	6RX048058 6-5/8IDX1/2 FLEXTHERM				
270	FT	44242	6RX048068 6-3/4IDX1/2 FLEXTHERM				
228	FT	44243	6RX048078 6-7/8IDX1/2 FLEXTHERM				
156	FT	44245	6RX048118 6-1-1/8IDX1/2 FLEXTHERM				
120	FT	44247	6RX048138 6-1-3/8IDX1/2 FLEXTHERM				
114	FT	44248	6RX048158 6-1-5/8IDX1/2 FLEXTHERM				
102	FT	44249	6RX048218 6-2-1/8IDX1/2 FLEXTHERM				
66	FT	44250	6RX048238 6-2IPSX1/2 FLEXTHERM				
36	FT	44251	6RX048348 6-3IPSX1/2 FLEXTHERM				
48	FT	44252	6RX048318 6-3-1/8IDX1/2 FLEXTHERM				
24	FT	44254	6RX048448 6-4IPSX1/2 FLEXTHERM				
228	FT	44261	6RX068048 6-1/2IDX3/4 FLEXTHERM				
180	FT	44262	6RX068058 6-5/8IDX3/4 FLEXTHERM				
144	FT	44263	6RX068068 6-3/4IDX3/4 FLEXTHERM				
126	FT	44264	6RX068078 6-7/8IDX3/4 FLEXTHERM				
90	FT	44265	6RX068118 6-1 1/8IDX3/4 FLEXTHERM				
78	FT	44266	6RX068138 6-1 3/8IDX3/4 FLEXTHERM				
72	FT	44267	6RX068158 6-1 5/8IDX3/4 FLEXTHERM				
60	FT	44268	6RX068218 6-2 1/8IDX3/4 FLEXTHERM				
42	FT	44269	6RX068258 6-2 5/8IDX3/4 FLEXTHERM				
36	FT	44270	6RX068318 6-3 1/8IDX3/4 FLEXTHERM				
90	FT	44275	6RX100078 6-7/8IDX1 FLEXTHERM				
66	FT	44276	6RX100118 6-1-1/8IDX1 FLEXTHERM				
36	FT	44282	6RX100258 6-2-5/8IDX1 FLEXTHERM				

Insul-Lock Pipe Insulation



Physical Properties

Thermal Conductivity (K) BTU (In./Hr.) Ft^2 °F (W/mK)	90° F (32° C) Mean Temp 75° F (24° C) Mean Temp	.27 (.039) .25 (.036)
Operating Temperature Range	Upper	200° F (93° C)
Flexible to -40° F(-40° C)	Lower	-70° F (-57° C)
Water Vapor Permeability Dry Cup Perm-In		<0.06
Water Absorption %		<0.20 by volume
Flame Spread (up to 1-1/2" wall)		Not greater than 25
Smoke Developed (up to 1-1/2" wall)		Not greater than 50
Ozone Resistance		Pass
Chemical/Solvent Resistance		Good
Mildew Resistance/Air Erosion		Pass

Priced Per Foot

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 1-4 CTNS	PC-3 5-9 CTNS	PC-4 10 CTNS
402	FT	44430	6RXL038048 1/2ID X 3/8 INSUL-LOCK SELF-SEAL				
348	FT	44431	6RXL038058 5/8ID X 3/8 INSUL-LOCK SELF-SEAL				
318	FT	44432	6RXL038068 3/4ID X 3/8 INSUL-LOCK SELF-SEAL				
288	FT	44433	6RXL038078 7/8ID X 3/8 INSUL-LOCK SELF-SEAL				
216	FT	44434	6RXL038118 1 1/8ID X 3/8 INSUL-LOCK SELF-SEAL				
150	FT	44435	6RXL038138 1 3/8ID X 3/8 INSUL-LOCK SELF-SEAL				
420	FT	44436	6RXL048038 3/8ID X 1/2 INSUL-LOCK SELF-SEAL				
312	FT	44437	6RXL048048 1/2ID X 1/2 INSUL-LOCK SELF-SEAL				
312	FT	44438	6RXL048058 5/8ID X 1/2 INSUL-LOCK SELF-SEAL				
270	FT	44439	6RXL048068 3/4ID X 1/2 INSUL-LOCK SELF-SEAL				
216	FT	44440	6RXL048078 7/8ID X 1/2 INSUL-LOCK SELF-SEAL				
150	FT	44441	6RXL048118 1 1/8ID X 1/2 INSUL-LOCK SELF-SEAL				
120	FT	44442	6RXL048138 1 3/8ID X 1/2 INSUL-LOCK SELF-SEAL				
108	FT	44443	6RXL048158 1 5/8ID X 1/2 INSUL-LOCK SELF-SEAL				
102	FT	44444	6RXL048218 2 1/8ID X 1/2 INSUL-LOCK SELF-SEAL				
126	FT	44445	6RXL068078 7/8ID X 3/4 INSUL-LOCK SELF-SEAL				
90	FT	44446	6RXL068118 1 1/8ID X 3/4 INSUL-LOCK SELF-SEAL				
72	FT	44447	6RXL068158 1 5/8ID X 3/4 INSUL-LOCK SEL-SEAL				
60	FT	44448	6RXL068218 2 1/8ID X 3/4 INSUL-LOCK SELF-SEAL				

Sheet Insulation

Insul-Sheet is available in 1/2" and 3/4" thicknesses. Designed for application on equipment and lines of 0° F and temperature conditions that may be depressed below ambient conditions.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 1-4 CTNS	PC-3 5-9 CTNS	PC-4 10 CTNS
12	EA	44218	6RSX3X4048 1/2X36X48 FLEXTHERM SHEET				
8	EA	44219	6RSX3X4068 3/4X36X48 FLEXTHERM SHEET				

320 Adhesive



320 adhesive is a specially formulated air drying contact adhesive for joining seams and butt joints on Insul-Tube® or sheet applications. This adhesive is also excellent for creating a resilient, moisture, and heat resistant bond on most other materials up to 180° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	EA	44304	800-320-PTB PINT W/BRUSH TOP R-320 FAST TACK ADHESIVE-AMBER	
12	EA	44305	800-320-QT QUART R-320 FAST TACK ADHESIVE-AMBER	
4	EA	44306	800-320-GAL GALLON R-320 FAST TACK ADHESIVE-AMBER	

374 Coating



374 coating is a synthetic resin, water based material that has been designed for use on Insul-Tube® and sheet surfaces. This white coating provides a high gloss protective finish for both indoor and outdoor installations.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	44288	800-374-GAL GALLON INSULATION PROTECTIVE COATING	

Insulation Tape



Elastomeric foam tape features pressure-sensitive adhesive that can be applied to hot or cold pipes and fittings and forms a long-lasting bond. The closed-cell structure provides good thermal and low moisture permeability properties.



This **cork insulation tape** is formulated to provide insulation and to prevent condensation on pipes, fittings and tubing used in heating, air conditioning, refrigeration and plumbing. It can also be used on hot pipes.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	44313	800-EL-018 FOAM 2INX1/8INX30FT ELASTOMER FOAM INSULATION TAPE		
12	EA	44314	800-TAPE-CORK 2IN X 1/8IN X 30FT INSULATION CORK TAPE		

FlashShield™ Gas Piping System


Straight Fitting


Coupling


Tee Fitting


Termination Fitting


Termination Bracket


Stubout


Recessed Outlet


Gas Piping

FlashShield CSST provides the highest lightning resistivity and is the only metallically-shielded gas piping on the market. FlashShield meets strict criteria of both LC1024 and LC1027. CSST supplies natural gas or liquefied petroleum gas to appliances with safety and flexibility. Simple hand tools such as tubing cutters, wrenches, and utility knives are all that are needed to work with the FlashShield components.

FlashShield CSST Piping — Priced per Foot

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-249	PC-2 250-749	PC-3 750+
250	FT	53173	FS-8-250 1/2" FLASHSHIELD CSST GAS PIPING			
250	FT	53174	FS-11-250 3/4" FLASHSHIELD CSST GAS PIPING			
150	FT	53175	FS-16-150 1" FLASHSHIELD CSST GAS PIPING			

FlashShield CSST Piping — Priced per Roll

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 ROLL
1	EA	53194	FS-8-50 1/2" 50' ROLL FLASHSHIELD CSST GAS PIPING	
1	EA	53195	FS-8-250 1/2" 250' ROLL FLASHSHIELD CSST GAS PIPING	
1	EA	53196	FS-11-50 3/4" 50' ROLL FLASHSHIELD CSST GAS PIPING	
1	EA	53197	FS-11-250 3/4" 250' ROLL FLASHSHIELD CSST GAS PIPING	
1	EA	53198	FS-16-50 1" 50' ROLL FLASHSHIELD CSST GAS PIPING	
1	EA	53199	FS-16-150 1" 150' ROLL FLASHSHIELD CSST GAS PIPING	
1	EA	53200	FS-8-25 1/2" 25' ROLL FLASHSHIELD CSST GAS PIPING	
1	EA	53201	FS-11-25 3/4" 25' ROLL FLASHSHIELD CSST GAS PIPING	

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	53176	XR3FTG-8-24 1/2" STRAIGHT FITTING (FSFTG-8-24)		
24	EA	53177	XR3FTG-11-24 3/4" STRAIGHT FITTING (FSFTG-11-24)		
12	EA	53178	XR3FTG-16-12 1" STRAIGHT FITTING (FSFTG-16-12)		
12	EA	53179	XR3CPL-8-12 1/2" COUPLING (FSCPL-8-12)		
6	EA	53181	XR3CPL-16-6 1" COUPLING (FSCPL-16-6)		
12	EA	53182	XR3TRM-8-12 1/2" TERM FITTING W/SQ FLANGE (FSTRM-8-12)		
12	EA	53183	XR3TRM-11-12 3/4" TERM FITTING W/SQ FLANGE (FSTRM-11-12)		
6	EA	53184	XR3TRM-16-6 1" TERM FITTING W/SQ FLANGE (FSTRM-16-6)		
12	EA	53185	XR3TRMBKT-8-12 1/2" TERM BRACKET FITTING (FSTRMBKT-8-12)		
10	EA	53186	XR3-APSTUB-8-10 1/2" STUBOUT W/FEMALE FTG (FS-APSTUB-8-10)		
1	EA	53187	XR3OUTLETBOX-8 1/2" FTG RECESSED GAS OUTLET (FSOUTLETBOX-8)		

STRP3 Jacket Stripper Tool



For cutting and removal of CSST jacket allowing for a clean and proper fitting assembly.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	53190	STRP3-8-24 1/2" FLASHSHIELD JACKET STRIPPER		
24	EA	53191	STRP3-11-24 3/4" FLASHSHIELD JACKET STRIPPER		
24	EA	53192	STRP3-16-24 1" FLASHSHIELD JACKET STRIPPER		

Titeflex Interior Gas Piping



Gas Piping



Joint Fitting



Striker Plates



Termination Bracket



5 Port Manifold

IMPORTANT: Will Only be Sold to Employees of Contractors Certified to Install Titeflex Gas Pipe Systems. Titeflex components constitute a design system and are not interchangeable with components of any other manufacturer. This system is specifically designed for use as an interior conduit for fuel gas.

Titeflex is design-certified by AGA for installation by trained contractors. The use of "General Purpose" corrugated stainless steel tubing for interior gas piping, the installation of any gas system by untrained contractors is not permitted.

Stainless Steel Tubing

Priced per Foot

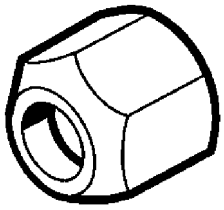
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 249	PC-2 250-749	PC-3 750
150	FT	53124	S93-16A4-150 1" CSST GAS PIPING			
250	FT	53151	S93-8A4-250 1/2" CSST GAS PIPING			
250	FT	53152	S93-11B4-250 3/4" CSST GAS PIPING			

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	53100	XR2FTG-11-24 3/4IN JOINT FITTING		
12	EA	53126	XR2FTG-16-12 1 JOINT FITTING		
25	EA	53130	TFM205-25 FULL STRIKER PLATE		
50	EA	53131	TFM201-50 HALF STRIKER PLATE		
100	EA	53132	TFM-204-100 QUARTER STRIKER PLATE		
1	CL	53136	FLOPPY 16 FOR 1/2 CSST/50 FT COIL		
50	EA	53157	LFLOPPY-16-50 1FT LENGTH FOR 1/2IN CSST		
25	EA	53158	LFLOPPY-20-25 1FT LENGTH FOR 3/4IN CSST		
10	EA	53160	1X12STUB-10 1"M X 12"L STRAIGHT STUB		
1	EA	53162	XROUTLETBOX-8 1/2 XR FTG RECESSED GAS OUTLET BOX		
12	EA	53163	XR2CPL-8-12 1/2 COUPLING		
12	EA	53164	XR2CPL-11-12 3/4 COUPLING		
6	EA	53165	XR2CPL-16-6 1 COUPLING		
12	EA	53167	XR2T-11-12 3/4X3/4X3/4 TEE		
6	EA	53168	XR2T-16-6 1X1X1 TEE		
10	EA	53171	1X6STUB-10 1X6 1"MX 6"L STRAIGHT STUB		
6	EA	53172	XR2T-11-11-8-6 3/4X3/4X1/2 TEE		
1	EA	53125	111596-08 4-PORT 1/2 COATED STEEL MANIFOLD		
10	EA	53153	MBRACE-1-10 MANIFOLD BRACKET		

Streamline®
A BRAND OF MUELLER INDUSTRIES

Brass Fitting for Refrigeration

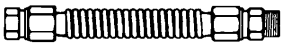


NRS4

NRS4 Reducing Short Forged Flare Nut

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	55861	NRS4-43 1/4X3/16 FLARE NUT		

Stainless Steel Gas Appliance Connectors



3132 MIP x FIP



4242 MIP x MIP

AGA Design Certified under ANSI Test Standard Z21.24. Used for both indoor and outdoor connection of stationary gas appliances.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	53297	G012SS101124/ 30-3132-24 1/2"MIPX1/2"FIP SST FLEX GAS		
25	EA	53298	G012SS101136/ 30-3132-36 1/2"MIPX1/2"FIP SST FLEX GAS		
25	EA	53299	G012SS101148/ 30-3132-48 1/2" MIPX1/2"FIP SST FLEX GAS		
12	EA	53300	G012SS101160/ 30-3132-60 1/2"MIPX1/2"FIP SST FLEX GAS		
25	EA	53313	G012SS151536/ 30-4242-36 3/4"FIPX3/4"FIP SST FLEX GAS		
25	EA	53314	G012SS151548/ 30-4242-48 3/4"FIPX3/4"FIP SST FLEX GAS		
12	EA	53315	G012SS151560/ 30-4242-60 3/4"FIPX3/4"FIP SST FLEX GAS		

ProLine® Series Gas Valves

Professional Plumbing & Heating Products



114



110

Flared Tube

Used with Flex Gas Conn.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
P4G	10	EA	53295	114-523 1/2 FIP X 1/2 FL VALVE	

Gas Ball Valves: AGA and GGA Approved for Natural and LP Gas .5 PSI

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
10	EA	52690	110-223C 1/2 GAS STOP		
10	EA	52691	110-224C 3/4 GAS STOP		
6	EA	52692	110-125 1" GAS STOP		

LEGEND VALVE Gas Ball Valves



T-3000

T-1001NL No Lead Forged Brass Full Port Ball Valves

Maintanence-free, dual Viton® 0-ring stem design, lighter weight and durable forged bo lead brass body, blow-out proof stem, PTFE seats for improved wear. Does not require any additional steps to solder, as compared to traditional brass valves. Suitable for potable water applications. FNPT x FNPT.

T-3000 One Piece Gas Ball Valves

Patented one-piece forged brass body eliminates the possibility of steam leaks that may occur to two-piece body designs. Top loaded chrome plated brass ball. Gas ball valves are ideal for all residential and commercial gas installations. The chrome plated ball and nitrile rubber seats resist contamination building up and offer a positive seal in low or moderate pressure gas applications. FNPT x FNPT.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	52704	101-023NL 1/2IN T-1001 BALL VALVE		
1	EA	52703	101-024NL 3/4IN T-1001 BALL VALVE		
1	EA	53056	102-103 1/2IN T-3000 BLUE LEVER HANDLE GAS BALL VALVE		
1	EA	53057	102-104 3/4IN T-3000 BLUE LEVER HANDLE GAS BALL VALVE		

LEGEND VALVE Gate Valves



- Round handle
- For shut-off service
- Non-rising stem
- Pressure 200 psi
- Maximum temperature 180° F

Series T-414 Bronze Gate Valves

- 3/4" to 2"'
- NPT female threaded connections

Series S-401 Brass Gate Valves

- 3/4" to 1"'
- Solder connections

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
60	EA	52652	T-414 1IN BRONZE GATE VALVE		
40	EA	52653	T-414 1 1/4IN BRONZE GATE VALVE		
18	EA	52666	T-414 2IN BRONZE GATE VALVE		
84	EA	52659	S-401 3/4IN SOLDER END BRASS GATE VALVE		
60	EA	52660	S-401 1IN SOLDER END BRASS GATE VALVE		

Galvanized Pipe



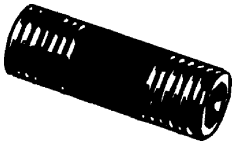
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
7	LTH	53358	3/4IN X 21FT GALV PIPE T & C	

Black Nipples

Six Pack Assortment

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	PKG	50152	1 1/2" BLK SIX PACK ASSORTMENT	
6	PKG	50154	2" BLK SIX PACK ASSORTMENT	

Black Iron Pipe



Made in America

Black Pipe May be Combined to Obtain Quantity Discount

10 Ft. Black Pipe—Threaded both Ends

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-19	PC-3 20
130	LTH	53330	1/2IN X 10FT TBE BLK PIPE THREADED BOTH ENDS			
84	LTH	53331	3/4IN X 10FT TBE BLK PIPE THREADED BOTH ENDS			
60	LTH	53332	1IN X 10FT TBE BLK PIPE THREADED BOTH ENDS			
42	LTH	53333	1-1/4IN X 10FT TBE BLK PIPE THREADED BOTH ENDS			
36	LTH	53334	1-1/2IN X 10FT TBE BLK PIPE THREADED BOTH ENDS			
26	LTH	53335	2IN X 10FT TBE BLK PIPE THREADED BOTH ENDS			

21 Ft. Black Pipe—Threaded and Coupled both Ends

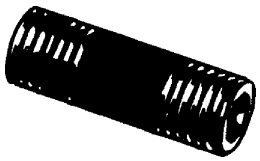
5	LTH	53341	1/2IN X 21FT TBE BLK PIPE THREADED BOTH ENDS			
5	LTH	53342	3/4IN X 21FT TBE BLK PIPE THREADED BOTH ENDS			
5	LTH	53343	1IN X 21FT TBE BLK PIPE THREADED BOTH ENDS			
5	LTH	53344	1-1/4IN X 21FT TBE BLK PIPE THREADED BOTH ENDS			
5	LTH	53345	1-1/2IN X 21FT TBE BLK PIPE THREADED BOTH ENDS			
5	LTH	53346	2IN X 21FT TBE BLK PIPE THREADED BOTH ENDS			

Pre-Cut Pipe



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	50140	1/2X18 BLK NIPPLE	
5	EA	50141	1/2X24 BLK NIPPLE	
1	EA	50142	1/2X30 BLK NIPPLE	
5	EA	50143	1/2X36 BLK NIPPLE	
1	EA	50144	1/2X48 BLK NIPPLE	
5	EA	50145	1/2X60 BLK NIPPLE	
1	EA	50146	3/4X18 BLK NIPPLE	
10	EA	50147	3/4X24 BLK NIPPLE	
10	EA	50148	3/4X30 BLK NIPPLE	
1	EA	50149	3/4X36 BLK NIPPLE	
1	EA	50150	3/4X48 BLK NIPPLE	
1	EA	50151	3/4X60 BLK NIPPLE	

Standard Black Welded Steel Nipples



1/2 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	50166	1/2 X CLO BLK NIPPLE		
25	EA	50167	1/2X1 1/2 BLK NIPPLE		
25	EA	50168	1/2X2 BLK NIPPLE		
25	EA	50169	1/2X2 1/2 BLK NIPPLE		
25	EA	50170	1/2X3 BLK NIPPLE		
25	EA	50171	1/2X3 1/2 BLK NIPPLE		
25	EA	50172	1/2X4 BLK NIPPLE		
25	EA	50173	1/2X4 1/2 BLK NIPPLE		
25	EA	50174	1/2X5 BLK NIPPLE		
25	EA	50175	1/2X5 1/2 BLK NIPPLE		
25	EA	50176	1/2X6 BLK NIPPLE		
25	EA	50156	1/2X8 BLK NIPPLE		
25	EA	50155	1/2X10 BLK NIPPLE		
25	EA	50177	1/2X12 BLK NIPPLE		

3/4 Inch

25	EA	50187	3/4 X CLO BLK NIPPLE		
25	EA	50188	3/4X1 1/2 BLK NIPPLE		
25	EA	50189	3/4X2 BLK NIPPLE		
25	EA	50190	3/4X2 1/2 BLK NIPPLE		
25	EA	50191	3/4X3 BLK NIPPLE		
25	EA	50192	3/4X3 1/2 BLK NIPPLE		
25	EA	50193	3/4X4 BLK NIPPLE		
20	EA	50194	3/4X4 1/2 BLK NIPPLE		
25	EA	50195	3/4X5 BLK NIPPLE		
25	EA	50196	3/4X5 1/2 BLK NIPPLE		
25	EA	50197	3/4X6 BLK NIPPLE		
25	EA	50158	3/4X8 BLK NIPPLE		
25	EA	50157	3/4X10 BLK NIPPLE		
25	EA	50198	3/4X12 BLK NIPPLE		

1 Inch

10	EA	50208	1 X CLO BLK NIPPLE		
10	EA	50209	1X2 BLK NIPPLE		
10	EA	50210	1X2 1/2 BLK NIPPLE		
25	EA	50211	1X3 BLK NIPPLE		
25	EA	50212	1X3 1/2 BLK NIPPLE		
30	EA	50213	1X4 BLK NIPPLE		
10	EA	50214	1X4 1/2 BLK NIPPLE		
10	EA	50215	1X5 BLK NIPPLE		
25	EA	50216	1X5 1/2 BLK NIPPLE		
25	EA	50217	1X6 BLK NIPPLE		
10	EA	50218	1X7 BLK NIPPLE		
30	EA	50222	1X12 BLK NIPPLE		
3	EA	50230	1X24 BLK NIPPLE		

1-1/4 Inch

25	EA	50237	1 1/4X CLO BLK NIPPLE		
25	EA	50238	1 1/4X2 BLK NIPPLE		
25	EA	50239	1 1/4X2 1/2 BLK NIPPLE		
25	EA	50240	1 1/4X3 BLK NIPPLE		
25	EA	50241	1 1/4X3 1/2 BLK NIPPLE		
25	EA	50242	1 1/4X4 BLK NIPPLE		
25	EA	50243	1 1/4X4 1/2 BLK NIPPLE		
25	EA	50244	1 1/4X5 BLK NIPPLE		
25	EA	50246	1 1/4X6 BLK NIPPLE		
10	EA	50251	1 1/4X12 BLK NIPPLE		
27	EA	50257	1 1/4X24 BLK NIPPLE		

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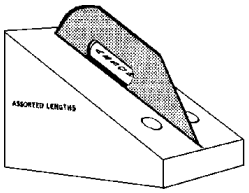
1-1/2 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	50263	1 1/2 X CLO BLK NIPPLE		
25	EA	50264	1 1/2X2 BLK NIPPLE		
25	EA	50265	1 1/2X2 1/2 BLK NIPPLE		
25	EA	50266	1 1/2X3 BLK NIPPLE		
25	EA	50267	1 1/2X3 1/2 BLK NIPPLE		
25	EA	50268	1 1/2X4 BLK NIPPLE		
25	EA	50269	1 1/2X4 1/2 BLK NIPPLE		
20	EA	50270	1 1/2X5 BLK NIPPLE		
25	EA	50271	1 1/2X5 1/2 BLK NIPPLE		
25	EA	50272	1 1/2X6 BLK NIPPLE		
25	EA	50278	1 1/2X10 BLK NIPPLE		
25	EA	50280	1 1/2X12 BLK NIPPLE		

2 Inch

25	EA	50286	2 X CLO BLK NIPPLE		
25	EA	50288	2X2 1/2 BLK NIPPLE		
25	EA	50289	2X3 BLK NIPPLE		
25	EA	50290	2X3 1/2 BLK NIPPLE		
4	EA	50291	2X4 BLK NIPPLE		
25	EA	50292	2X4 1/2 BLK NIPPLE		
3	EA	50293	2X5 BLK NIPPLE		
25	EA	50294	2X5 1/2 BLK NIPPLE		
25	EA	50295	2X6 BLK NIPPLE		
25	EA	50301	2X12 BLK NIPPLE		
25	EA	50307	2X24 BLK NIPPLE		

Black Pipe Nipple Totes



Each tote contains lengths from closed to 6 inches.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
8	EA	50136	1/2 BLK NIPPLE TOTE		
6	EA	50137	3/4 BLK NIPPLE TOTE		
6	EA	50138	1 BLK NIPPLE TOTE		

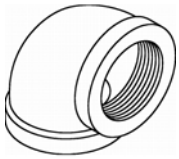
Nipple Caddy

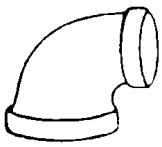


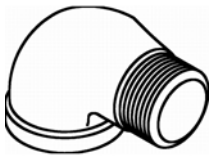
Tray for 1/2" and 3/4" nipples.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82257	MA-T1057 1/2IN & 3/4IN NIPPLE CADDY W/DRAIN HOLES	

Southland PIPE • NIPPLES • FITTINGS B•K Black Pipe Fittings

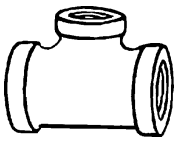

90° Elbow

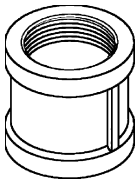

90° Reducing Elbow

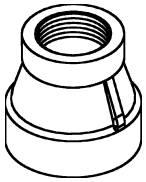

90° Street Elbow

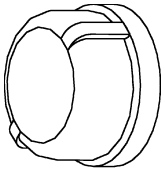

45° Regular Elbow

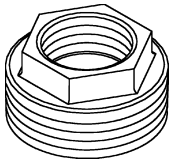

Tee

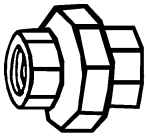

Reducing Tee

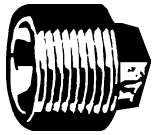

Coupling


Reducing Coupling


Cap


Bushing


Union


Regular Plugs

Black and Galvanized Fittings May be Combined to Obtain Quantity Discount

90 Degree Black Regular Elbows

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
50	EA	53591	1/2IN 90 DEG BLK REG ELBOW			
35	EA	53592	3/4IN 90 DEG BLK REG ELBOW			
20	EA	53593	1IN 90 DEG BLK REG ELBOW			
20	EA	53594	1-1/4IN 90 DEG BLK REG ELBOW			
15	EA	53595	1-1/2IN 90 DEG BLK REG ELBOW			
8	EA	53596	2IN 90 DEG BLK REG ELBOW			

45 Degree Black Regular Elbows

50	EA	53560	1/2IN 45 DEG BLK REG ELBOW			
40	EA	53561	3/4IN 45 DEG BLK REG ELBOW			
20	EA	53562	1IN 45 DEG BLK REG ELBOW			
20	EA	53563	1-1/4IN 45 DEG BLK REG ELBOW			
15	EA	53564	1-1/2IN 45 DEG BLK REG ELBOW			
9	EA	53555	2IN 45 DEG BLK ELBOW			

90 Degree Black Regular Reducing Elbows

40	EA	53607	3/4X1/2 90 DEG BLK RED ELBOW			
30	EA	53608	1X1/2 90 DEG BLK RED ELBOW			
25	EA	53609	1X3/4 90 DEG BLK RED ELBOW			
20	EA	53611	1-1/4X3/4 90 DEG BLK RED ELBOW			
20	EA	53612	1-1/4X1 90 DEG BLK RED ELBOW			
20	EA	53614	1-1/2X1 90 DEG BLK RED ELBOW			
15	EA	53613	1-1/2X1-1/4 90 DEG BLK RED ELBOW			
14	EA	53617	2X1 90 DEG BLK RED ELBOW			
10	EA	53616	2X1-1/4 90 DEG BLK RED ELBOW			
10	EA	53615	2X1-1/2 90 DEG BLK RED ELBOW			

45 Degree Black Street Elbows

40	EA	53548	1/2 45DEG BLK ST ELBOW			
60	EA	53554	3/4 45DEG BLK ST ELBOW			

90 Degree Black Street Elbows

60	EA	53575	1/2 IN 90 DEG BLK ST ELBOW			
35	EA	53576	3/4 IN 90 DEG BLK ST ELBOW			
30	EA	53577	1 IN 90 DEG BLK ST ELBOW			
18	EA	53578	1-1/4 IN 90 DEG BLK ST ELBOW			
18	EA	53579	1-1/2 IN 90 DEG BLK ST ELBOW			
10	EA	53580	2 IN 90 DEG BLK ST ELBOW			
9	EA	53581	2-1/2IN 90 DEG BLK ST ELBOW			

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Black Tees

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
40	EA	53676	1/2IN BLK TEE			
35	EA	53677	3/4IN BLK TEE			
20	EA	53678	1IN BLK TEE			
14	EA	53679	1-1/4IN BLK TEE			
23	EA	53680	1-1/2IN BLK TEE			
5	EA	53681	2IN BLK TEE			

Black Reducing Tees

45	EA	53635	3/4X1/2X1/2 BLK TEE			
45	EA	53636	3/4X3/4X1/2 BLK TEE			
25	EA	53637	3/4X3/4X1 BLK TEE			
25	EA	53641	1X3/4X3/4 BLK TEE			
20	EA	53638	1X1X1/2 BLK TEE			
25	EA	53639	1X1X3/4 BLK TEE			
18	EA	53644	1-1/4X3/4X3/4 BLK TEE			
18	EA	53647	1-1/4X1X3/4 BLK TEE			
16	EA	53650	1-1/4X1-1/4X1/2 BLK TEE			
18	EA	53651	1-1/4X1-1/4X3/4 BLK TEE			
20	EA	53668	1X1/2X1/2 BLK TEE			
20	EA	53669	1X1/2X1 BLK TEE			
11	EA	53660	1-1/2X1-1/4X1-1/4 BLK TEE			
15	EA	53662	1-1/2X1-1/2X1/2 BLK TEE			
8	EA	53670	2X1-1/4X1-1/4 BLK TEE			
8	EA	53671	2X1-1/2X1-1/4 BLK TEE			

Black Couplings

60	EA	53725	1/2IN BLK COUPLING			
50	EA	53726	3/4IN BLK COUPLING			
25	EA	53727	1IN BLK COUPLING			
32	EA	53728	1-1/4IN BLK COUPLING			
18	EA	53729	1-1/2IN BLK COUPLING			
12	EA	53730	2IN BLK COUPLING			
16	EA	53757	2-1/2IN BLK COUPLING			
12	EA	53558	3IN BLK COUPLING			

Black Reducing Couplings

30	EA	53741	3/8X1/4 BLK RED COUPLING			
60	EA	53742	3/4X1/2 BLK RED COUPLING			
30	EA	53743	1X1/2 BLK RED COUPLING			
30	EA	53744	1X3/4 BLK RED COUPLING			
25	EA	53745	1-1/4X1/2 BLK RED COUPLING			
25	EA	53746	1-1/4X3/4 BLK RED COUPLING			
25	EA	53747	1-1/4X1 BLK RED COUPLING			
20	EA	53411	1-1/2X1/2 BLK RED COUPLING			
30	EA	53748	1-1/2X3/4 BLK RED COUPLING			
30	EA	53749	1-1/2X1 BLK RED COUPLING			
25	EA	53750	1-1/2X1-1/4 BLK RED COUPLING			
21	EA	53551	2X1/2 BLK RED COUPLING			
21	EA	53552	2X3/4 BLK RED COUPLING			
14	EA	53753	2X1 BLK RED COUPLING			
14	EA	53751	2X1-1/4 BLK RED COUPLING			
14	EA	53752	2X1-1/2 BLK RED COUPLING			
16	EA	53755	2-1/2X1-1/2 BLK RED COUPLING			
16	EA	53756	2-1/2X2 BLK RED COUPLING			

Black Caps

75	EA	53767	1/2IN BLK CAP			
40	EA	53768	3/4IN BLK CAP			
35	EA	53769	1IN BLK CAP			
25	EA	53770	1-1/4IN BLK CAP			
25	EA	53547	1-1/2IN BLK CAP			
18	EA	53771	2IN BLK CAP			

Continued on the Following Page

Continued from the Previous Page

Black Bushings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
75	EA	53527	3/8X1/4 BLK BUSHING			
150	EA	53526	1/2X1/8 BLK BUSHING			
100	EA	53528	1/2X1/4 BLK BUSHING			
100	EA	53529	1/2 X 3/8 BLK BUSHING			
50	EA	53530	3/4X1/8 BLK BUSHING			
50	EA	53531	3/4X3/8 BLK BUSHING			
50	EA	53532	3/4X1/2 BLK BUSHING			
50	EA	53533	1X1/2 BLK BUSHING			
50	EA	53534	1X3/4 BLK BUSHING			
30	EA	53535	1-1/4X1/2 BLK BUSHING			
30	EA	53536	1-1/4X3/4 BLK BUSHING			
30	EA	53537	1-1/4X1 BLK BUSHING			
25	EA	53413	1-1/2X1/2 BLK BUSHING			
25	EA	53412	1-1/2X3/4 BLK BUSHING			
25	EA	53539	1-1/2X1 BLK BUSHING			
25	EA	53540	1-1/2X1-1/4 BLK BUSHING			
20	EA	53550	2X1/2 BLK BUSHING			
20	EA	53543	2X3/4 BLK BUSHING			
20	EA	53544	2X1 BLK BUSHING			
20	EA	53545	2X1-1/4 BLK BUSHING			
20	EA	53546	2X1-1/2 BLK BUSHING			
24	EA	53587	2-1/2X1 BLK BUSHING			
28	EA	53520	2-1/2X1-1/2 BLK BUSHING			
24	EA	53519	2-1/2X2 BLK BUSHING			
16	EA	53524	3X1 BLK BUSHING			
16	EA	53523	3X1-1/2 BLK BUSHING			
16	EA	53522	3X2 BLK BUSHING			
16	EA	53521	3X2-1/2 BLK BUSHING			

Black Unions

25	EA	53708	1/2IN BLK UNION			
20	EA	53709	3/4IN BLK UNION			
15	EA	53710	1IN BLK UNION			
15	EA	53711	1-1/4IN BLK UNION			
10	EA	53712	1-1/2IN BLK UNION			
6	EA	53713	2IN BLK UNION			
8	EA	53714	2-1/2IN BLK UNION			
5	EA	53715	3IN BLK UNION			

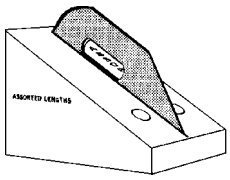
Black Regular Plugs

25	EA	53692	1/2IN BLK REG PLUG			
15	EA	53693	3/4IN BLK REG PLUG			
20	EA	53694	1IN BLK REG PLUG			
40	EA	53695	1-1/4IN BLK REG PLUG			
30	EA	53696	1-1/2IN BLK REG PLUG			
30	EA	53697	2IN BLK REG PLUG			
32	EA	53698	2-1/2IN BLK REG PLUG			
24	EA	53699	3IN BLK REG PLUG			

Galvanized Nipples

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	50358	1/2 X CLO GALV NIPPLE		
25	EA	50359	1/2X1 1/2 GALV NIPPLE		
25	EA	50360	1/2X2 GALV NIPPLE		
25	EA	50361	1/2X2 1/2 GALV NIPPLE		
25	EA	50362	1/2X3 GALV NIPPLE		
25	EA	50363	1/2X3 1/2 GALV NIPPLE		
25	EA	50364	1/2X4 GALV NIPPLE		
25	EA	50365	1/2X4 1/2 GALV NIPPLE		
25	EA	50366	1/2X5 GALV NIPPLE		
25	EA	50367	1/2X5 1/2 GALV NIPPLE		
25	EA	50368	1/2X6 GALV NIPPLE		
25	EA	50375	3/4 X CLO GALV NIPPLE		
25	EA	50376	3/4X1 1/2 GALV NIPPLE		
25	EA	50377	3/4X2 GALV NIPPLE		
25	EA	50378	3/4X2 1/2 GALV NIPPLE		
25	EA	50379	3/4X3 GALV NIPPLE		
25	EA	50380	3/4X3 1/2 GALV NIPPLE		
25	EA	50381	3/4X4 GALV NIPPLE		
25	EA	50382	3/4X4 1/2 GALV NIPPLE		
25	EA	50383	3/4X5 GALV NIPPLE		
25	EA	50384	3/4X5 1/2 GALV NIPPLE		
25	EA	50385	3/4X6 GALV NIPPLE		

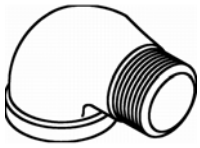
Galvanized Steel Nipples In Tote



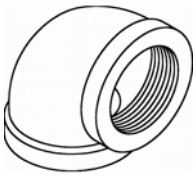
Tote contains lengths from closed to 6 inches.

Pieces per Carton	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
60	6	EA	50133	3/4IN GALV NIPPLE TOTE		

Southland PIPE • NIPPLES • FITTINGS B•K Galvanized Fittings



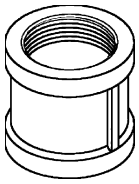
90° Street Elbow



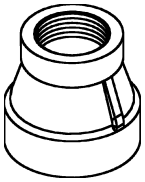
90° Elbow



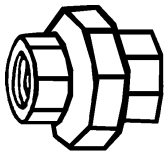
Tee



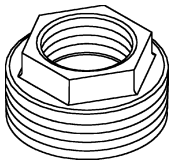
Coupling



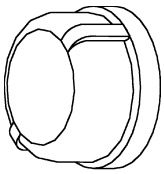
Reducing Coupling



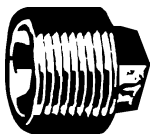
Union



Bushing



Cap



RegularPlugs

Elbows

STD OKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
60	EA	53431	1/2IN 90 DEG GALV ST ELBOW			
40	EA	53553	3/4 45DEG GALV ELBOW			
35	EA	53424	3/4IN 90 DEG GALV REG ELBOW			

Tee

35	EA	53440	3/4IN GALV TEE			

Couplings, Unions, and Bushing

60	EA	53463	1/2IN GALV COUPLING			
50	EA	53464	3/4IN GALV COUPLING			
60	EA	53477	3/4X1/2 GALV RED COUPLING			
25	EA	53455	1/2IN GALV UNION			
20	EA	53456	3/4IN GALV UNION			
50	EA	53410	3/4X1/2 GALV BUSH			

Caps and Plugs

75	EA	53471	1/2IN GALV CAP			
40	EA	53472	3/4IN GALV CAP			
25	EA	53485	1/2IN GALV REG PLUG			
15	EA	53486	3/4IN GALV REG PLUG			

Southland PIPE • NIPPLES • FITTINGS B•K Cast Iron Fittings







Elbows

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
10	EA	53525	2-1/2 CI 90 DEG BLK ELBOW			
6	EA	53588	3IN CI 90 DEG BLK ELBOW			
6	EA	53566	3 X 2IN CI 90 DEG BLK RED ELBOW			

Tees

9	EA	53569	2-1/2IN CI BLK TEE			
5	EA	53570	3IN CI BLK TEE			
6	EA	53573	3X2X2IN CI BLK RED TEE			

Coupling

12	EA	53583	3X2IN CI BLK RED COUPLING			

Bridgit Lead Free Solder

Safe for Drinking Water Systems



- 1/8" 1 lb. spool
- Contains nickel for tremendously strong joints
- No Lead
- No Cadium
- No Toxic Chemicals

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	55190	BRGT61 STAY-SAFE BRIDGIT LF SOLDER 1/8" X 1LB SPOOL			

95/5 Tin Antimony Solder

- Well suited for applications where moderately elevated temperature is a factor
- Lead free* for use in potable water systems
- Composition: 95% Tin, 5% Antimony
- Tensile Strength: 5900
- Shear Strength: 6000
- Density: .250
- Temperature: Solid 452° F Liquid 464° F

* Public Safe Drinking Water Act Amendments of 1986. The above amendments were signed into Federal law on 6/19/86, banning the use of all solders containing lead in potable water systems.

NOTE: Not recommended for use on brass or HVAC connections

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9
1	EA	55152	95561 95/5 WIRE SOLDER 1/8" X 1LB SPOOL		

50/50 Tin Lead Solder





- Use to join copper and most copper alloys, lead, nickel alloys, and steel.
- Not to be used with potable water systems.
- Compostion: 50% Tin, 50% Lead
- Tensile Strength: 6000
- Shear Strength: 5200
- Density: .321
- Temperature: Solid 361 Liquid 421

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	55139	5050TB TRI-BAR 50/50 ROUND SOLDER		
1	EA	55142	50501B 1 LB BAR 50/50 SOLDER		
1	EA	55150	505061 50/50 WIRE SOLDER 1/8" X 1LB SPOOL		

LA-CO® Flux



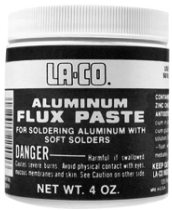
95441



95445



95446



95453



95456

Regular Flux Paste
- Contains no zinc chloride or other heavy metal chloride.
- Non-acid, non-toxic, lead-free.
- Use with Lead-Free, Tin/Silver, plus 40/60, 50/50, 60/40, and 95/5 solders.
- Super detergent action, cleans as it solders.
- For use on copper, galvanized iron, sheet lead, zinc, nickel, tin, silver, mild steel, terne plate, and malleable iron.

Regular Flux Liquid
- Contains no zinc chloride or other heavy metal chloride.
- Non-acid, non-toxic, lead-free.
- Use with Lead-Free, Tin/Silver, plus 40/60, 50/50, 60/40, and 95/5 solders.
- For high-speed production and mechanized soldering equipment.
- For use on copper, galvanized iron, sheet lead, zinc, nickel, tin, silver, mild steel, terne plate, and malleable iron.

N-3 Stainless Flux Liquid
- Use with all types of tin/lead solders for swift fluxing action.
- Solders most grades of stainless as well as chrome, copper, and brass.
- Packaged in break-resistant polyethylene bottles.
- Do not use on stainless steel water tubing.

Aluminum Flux Paste
- Low temperature.
- Solders aluminum at low temperatures.
- Use soldering iron or torch with LA-CO® #60 solder or tin/silver solders at well below the melting temperature of aluminum.
- Also solders, copper, making aluminum to copper assemblies possible.

Flux-Rite 90® Flux
- Completely water soluble.
- Works with all soft solders including all lead-free solders plus 40/60, 50/50, 60/40, and 95/5 solders.
- Non-toxic, lead-free, non-acid.
- No toxic zinc chloride.
- Use with copper, brass, tin, and steel.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
48	EA	54855	95441 2 OZ REG SOLDER PASTE FLUX		
12	EA	55120	95445 QUART REGULAR FLUX LIQUID		
24	EA	55119	95446 PT N-3 FLUX LIQUID		
24	EA	55127	95453 4 OZ ALUM FLUX PASTE		
24	EA	55125	95456 4OZ FLUX-RITE 90 PASTE FLUX		

Silver Solder Comparison Chart

J.W. Harris Co.	AWS	Handy & Harman	United Wire	Composition %		Temperature	
				AG	Cu	Melt	Flow
Stay-Silv 15	B Cup-5	Sil-Fos	Phoson 15	15	80	1185	1300
Stay-Silv 5	B Cup-3	Sil-Fos 5	Phoson 5	5	88.75	1185	1300
Brayzon				1	92	1190	1485
Dynaflow				6	87.9	1190	1460
Stay-Brite	(SN96)			5		430	430
Stay-Brite 8	QQS-561d			7		430	535
Safety-Silv 1375	BAg-5	Braze 450	Sil-45	25	41	1265	1400
Safety-Silv 1370	BAg-5	Braze DE			30	1230	1370

HARRIS
SOLDERING, BRAZING & WELDING PRODUCTS

Stay-Silv Silver Solder



Use for copper to copper without flux. For copper to brass use flux. Stay-Silv 15 and Stay-Silv 5 have similar flow point, tensile strength, and ductility. Use economical 5% for close fitted joints, 15% for poorly fitted or large tolerance joints. Stay-Silv 15 may also be used to braze silver, tungsten, and molybdenum, but requires the use of Stay-Silv brazing flux. 15% silver alloy, 1/8" x .050 x 20", 27 sticks per lb. Will not harden or crystallize.

For all silver soldering in 1000° to 1700° F heat range. Packed in plastic containers for safety and convenience.

Mini-Pak

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	55178	1520FMPOP STAY-SILV 15 SOLDER 1/8" X 7 STICK MINI-PAK	

1 Lb. Packages

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	PKG	55183	15620F1 STAY-SILV 15 SOLDER 1LB 1/8" X 28 STICK TUBE			
1	PKG	55186	5620F1 STAY-SILV 5 SOLDER 1LB 1/8" X 28 STICK TUBE			

5 Lb. Packages

1	PKG	55184	15620F5 STAY-SILV 15 SOLDER 5LB 1/8" X 20 STICK TUBE			

HARRIS
SOLDERING, BRAZING & WELDING PRODUCTS

Stay-Silv Brazing Flux



For use with all silver brazing alloys on all metals other than aluminum, magnesium, or titanium. Effective to 1600° F. Meets Fed. Spec. of 499C, Type-B. AWS 3A, AMS 3410, MIL 51F4A. Brush cap dispenser.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	55195	SSWF7 STAY-SILV WHITE FLUX 6.5 OZ BOTTLE		

Stay-Brite Silver Solder



Stay-Brite
Has the same ability as Stay-Silv to bond with ferrous and non-ferrous alloys (SST, nickel, copper, and brass). Highly recommended for close fitting joints due to flow characteristics.

Stay-Brite 8
Has the same characteristics as Stay-Brite but a greater silver content. It gives a plastic range from 430° to 535° that allows its use in loose joints or fill-up connections.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	55177	SB31 STAY BRITE 1/16" X 1LB SPOOL			
1	EA	55176	SB61 STAY BRITE 1/8" X 1LB SPOOL			
1	EA	55175	SB831 STAY BRITE 8 SOLDER LEAD FREE 1/16 X 1LB SPOOL			
1	EA	55174	SB861 STAY BRITE 8 SOLDER LEAD FREE 1/8" X 1LB SPOOL			

Stay-Clean Soldering Flux



For virtually all metals other than aluminum, magnesium, or titanium. Use with Stay-Brite solders, also solder 500, practically any other solder liquids below 700° F. Meets Fed. Spec. of 506B, type I, Form B.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
48	EA	55179	SCLF4 STAY-CLEAN LIQUID FLUX 4 OZ JAR		
24	EA	55180	SCLF16 STAY-CLEAN LIQUID FLUX 16 OZ JAR		
24	EA	55185	SCPF4 STAY CLEAN PASTE FLUX 4 OZ JAR		

Dynaflow Silver Solder



Dynaflow melts, flows, and fills like a 15% silver alloy. Dynaflow was formulated to extremely exacting tolerances of copper, phosphorus, and silver, resulting in a quality brazing alloy that mirrors the performance characteristics of a 15% silver alloy, yet costs less than half as much. Flux not required for copper, when required use Stay-Silv white brazing flux on applications requiring normal heat.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	PKG	55189	D620F1 DYNAFLOW BRAZING FLUX 1LB 1/8" X 28 STICK TUBE			

Safety-Silv Solder
Cadmium Free: Required When Brazing Around Food



This filler metal offers good joint strength and ductility at a somewhat higher temperature. The plastic range is an advantage when filling loose connections.
Melts: 1230° F. Flows: 1370° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	PKG	55192	4531 SAFETY-SILV 45% SOLDER 1/16" X 1 TROY OZ PER PKG			
1	PKG	55193	4535 SAFETY-SILV 45% SOLDER 1/16" X 5 TROY OZ PER PKG			
4	EA	55197	45F318MPOP SF45 FC 45% SOLDER 1/16X18 3 STICK MINI-PAK			

Blockade® and BlockadeFC Brazing Alloys

Silicon/Tin Alloyed Brazing Metal for Brass, Copper, or Bronze



- Easily forms a large cap or shoulder at the braze connection.
- Highly visible silver-gray cap (fillet) allows quick, accurat visual confirmation of a leak-free seal.
- Improved ductility over BCuP-2 (non-silver bearing) alloys.
- Significant reduction in brazing temperature over other BCuP alloys.

Blockade

Bare rod. No flux required with copper.
With brass or bronze use Blockade FC or StaySilv® white or black flux.

BlockadeFC

Flux-coated rod. No flux required with copper, brass, or bronze.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	55187	BK220R1 BLOCKADE SILICON BRAZING 2MM X 20 STICK TUBE	
1	PKG	55198	BKFC2500R1 BLOCKADE SILICON BRAZING 2MM X 20 STICK TUBE W/FLUX	

Aluxcor™ Brazing Alloy

Aluminum/Zinc Alloy with Flux Core

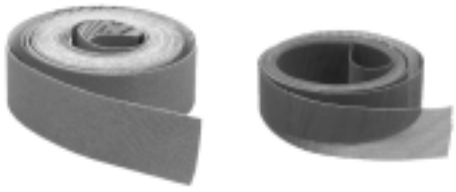


- 78% aluminum/22% zinc
- Joins aluminum to aluminum, copper, or brass
- Melting range: 800°to 900° F —lower melting temperature and wider melting range than aluminum silicon alloys
- Flux core is a Cesium formula that is both non-corrosive and non-hygroscopic
- Flux Core is designed so both the flux and the alloy flow at the right time into the capillary

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	55173	ZN78CW09020POP ALUXCOR 78/22 .090X20 BRAZING ALLOY 5 STICK TUBE POP	

Abrasive Cloth

- **SC-10**: 120 grit abrasive cloth
- **SCM-5**: 180 grit open mesh sand screen cloth



SC-10 **SCM-5**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	EA	54633	SC-10 10YD ROLL SANDCLOTH	
12	EA	54632	SCM-5 5YD ROLL MESH CLOTH	

Flux Brush



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
144	EA	55134	C33808-CTN 1/2" FLUX BRUSH		

Red Epoxy



- Heat cured, 2-part epoxy kit.
- Exhibits a color change when cured (turns gold).
- May be cured with a hot air gun or open flame in minutes.
- -100° F to 300° F, (-73° C) to (149° C).
- Working pressure in excess of 3000 PSI.
- Tensile Strength: 6000 PSI.
- Works on vertical surfaces.
- Pressure tested to 3000 PSI.
- Simple, quick mixing and application.
- Oil, gas, fuel and solvent resistant.
- Equipment is serviceable immediately.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94878	HS12001 RED EPOXY	

Viper Wet Rag Heat Blocking Putty



Viper Wet Rag is a reusable heat blocking putty that keeps piping and sensitive components cooler than a traditional wet rag during brazing, soldering or welding. Blocks both direct and conductive heat transfer. Simply apply, remove and reuse. Good for up to 40 uses.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	95505	RT400P WET RAG HEAT BLOCKING PUTTY	

Heat-Seal Stik



This is an epoxy stick that does not require mixing and is easy to use. Simply touch stick to heated surface. Melts and cures in one operation; works in 90 seconds. Repairs holes on aluminum, metals, glass, ceramics. Cured repair is resistant to refrigerants, oils, and water. Holds pressure to 450 psi.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	54856	95430 3/8 OZ CARDED HEAT SEAL STICK		

LA-CO® Bloc-It Absorbing Paste



Effectively absorbs surface heat. Protects adjoining surfaces that may be damaged by excessive heat. Safe to use: non-toxic, no asbestos, harmless to skin, and odorless. Apply directly to surface from tube. Wipe-off with cloth or wash with water. Leaves no stains. During brazing or welding Bloc-It protects rubber and plastic components in valves; protects painted or finished surfaces; and prevents distortion to light gauge metals.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	55115	95455 10OZ BLOC-IT HEAT ABS PASTE		

Nu-Calgon Thermo-Trap®



Thermo-Trap is a heat sink that has an extremely high capacity for absorbing heat. Use Thermo-Trap to:

- Apply to copper, steel or other pipe surfaces before welding, brazing or soldering to protect nearby sensitive controls or components.
- Protect adjacent surface areas from over-heating or damage prior to welding, brazing or soldering.
- Cool down heated surfaces.
- Prevent fires in adjacent areas when welding, brazing or soldering.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	95970	4371-36 11 OZ TUBE THERMO-TRAP PASTE		
6	EA	96003	4371-32 1 QT 32 OZ SPRAY BOTTLE THERMO-TRAP GEL		

MAPP® Heat Shield—Pad



- For soldering and brazing
- For temperatures up to 2500° F
- 9" x 12" x 1/2"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	80728	78931 9112 SOLDER HEAT SHIELD	

TURBOTORCH Heat Shield—Cloth



- Durable fabric heat shield is manufactured with PyroSil™, an effective shield against thermal radiation.
- Ideal for brazing, soldering, or welding.
- Features a center cut design making it easy to place around a pipe.
- 8" x 12"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82358	PL-812 8"X12" TORCH SHIELD	

Nu-Calgon Quick-Seal™ Pipe Repair Kit



- Quick Seal is a fast, easy, durable and cost effective pipe repair system.
- Hardens in minutes.
- Bonds to any pipe material.
- Suitable for refrigerant lines.
- Repairs T-joints and elbow joints.
- Safe for drinking water.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	95971	4299-10 2IN X 3FT QUICK SEAL PIPE REPAIR		

Nu-Calgon Quick-Seal™ Pipe Repair Kit



- Quick Seal is a fast, easy, durable and cost effective pipe repair system.
- Hardens in minutes.
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- Suitable for refrigerant lines.
- Repairs T-joints and elbow joints.
- Safe for drinking water.

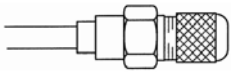
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	95971	4299-10 2IN X 3FT QUICK SEAL PIPE REPAIR		

Copper Access Valves

1/4 Inch



A31002–A31006



A31011



A31134



A31199–A31204

Copper Tube Extensions

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	PKG	55803	A31002 1/8 IN FTG 5/PKG	
5	PKG	55809	A31003 3/16 IN FTG 5/PKG	
3	PKG	55794	A31011 3/16-1/4&3/8 FTG 3/PKG	
5	PKG	55810	A31004 1/4 IN FTG 5/PKG	
5	PKG	55793	A31005 5/16 IN FTG 5/PKG	
5	PKG	55813	A31006 3/8 IN FTG 5/PKG	

Copper Braze Tees

3	PKG	55806	A31134 1/4 IN TEE 3/PKG	
1	BOX	55824	A31134-100 1/4 IN TEE 100/PKG	
3	PKG	55807	A31135 5/16 IN TEE 3/PKG	
3	PKG	55808	A31136 3/8 IN TEE 3/PKG	
1	PKG	55819	A31140 5/8 IN TEE 1/PKG	
1	PKG	55820	A31142 3/4 IN TEE 1/PKG	
1	PKG	55821	A31144 7/8 IN TEE 1/PKG	

Copper Access Unions

2	PKG	55842	A31199 1/4X1/4 ACCESS UNION 2/PKG	
2	PKG	55843	A31200 3/8X3/8 ACCESS UNION 2/PKG	
2	PKG	55844	A31201 1/2X1/2 ACCESS UNION 2/PKG	
2	PKG	55845	A31202 5/8X5/8 ACCESS UNION 2/PKG	
2	PKG	55847	A31204 7/8X7/8 ACCESS UNION 2/PKG	

Brass Access Valves

1/4 Inch



A31722, A1726



A31720



A31729



A31514



A31482, A31484



A31424



A31851, A31864



A31852

Brass Bodies—Straight

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3	PKG	55799	A31722 1/8-1/4 IN FTG 3/PKG	
3	PKG	55805	A31726 3/8 IN FTG 3/PKG	

Brass Bodies—Multi-step

5	PKG	55802	A31720 3/16 IN FTG 5/PKG	
3	PKG	55812	A31729 3/16-1/2 IN FTG 3/PKG	

MPT Connections

3	PKG	55798	A31514 1/4 IN RUN 3/PKG	
5	PKG	55815	A31482 1/8 IN UNION 5/PKG	
5	PKG	55816	A31484 1/4 IN UNION 5/PKG	

Flared Tube Connections

3	PKG	55795	A31424 1/4 IN UNION W/FL NUT 3/PKG	

Swivel Flare Connection

3	PKG	55817	A31851 1/4 IN SWIVEL TEE 3/PKG	
3	PKG	55818	A31852 1/4 IN SWIVEL TEE 3/PKG	
3	PKG	55800	A31864 1/4 IN SWIVEL NUT 3/PKG	

Access Valve Caps and Couplers


A31986


NFT5


A33000


A31656, A31665


A34000


A33500


QC-E4


QC-S4B


QC-S5

Seal Cap—Wrench Style

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	PKG	55814	A31986 1/4" WRENCH STYLE SEAL CAP 5/PKG	

Seal Cap—O-Ring Finger Tight Sealing

10	PKG	54799	NFT5-4 1/4" QUICK SEAL CAP 10/PKG	
3	PKG	54800	NFT5-6 3/8" QUICK SEAL CAP 3/PKG	

Back Seat Control Valve

1	EA	55780	A33000 1/4 IN ACCESS SERVICE VALVE	

Adapters

1	PKG	55831	A31656 1/4" SAE MALE X 5/16" SAE FEMALE ADAPTER	
1	PKG	55832	A31665 5/16" SAE MALE X 1/4" SAE FEMALE ADAPTER	

Couplers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	55823	A34000 1/4" QUICK COUPLER ACCESS TEE	
1	EA	54822	A33500 1/4IN THUMBSCREW CORE DEPRESSOR	
1	EA	54798	QC-E4 ELBOW COUPLING	
1	EA	54801	QC-S4B QUICK COUPLER ACCESS VALVE	
1	EA	54796	QC-S5 STRAIGHT QUICK COUPLER	

Access Valve Tools


A32004


A32008


A32100


A32525N

A32004 Valve Core Tool

- Valve core remover
- 1/4"
- With hollow handle for storing extra valve cores

A32008 Valve Core Torque Tool

- Automatically sets proper torque to 5 in./lbs
- Eliminates guess work which results in under and over torquing
- Works with all Schrader valve cores

A32100 Evacuation Recovery Tool

- Plier type tool with quick-release trigger
- Punctures holes into the line for quick discharge of recovery unit
- Fits 3/16" to 7/8" OD hard tubing

A3252N Core Remover with Port

- Valve core remover with port
- 1/4"
- Valve core can be removed and replaced without losing system charge
- Storage area houses spare valve cores

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	83065	A32004 VALVE CORE TOOL	
12	EA	83173	A32008-BX VALVE CORE TORQUE TOOL	
1	EA	54824	A32100 EVACUATION RECOVERY TOOL	
1	EA	54806	A32525N 1/4 IN VALVE CORE REMOVER TOOL W/PORT	

Valve Core and Piercing Valves



Valve Core (A31999)
PTFE/Neoprene seal replacement valve core max 800 psi and 220°F



Piercing Valves (832804–832812)
Once brazed on, you can check for leaks before piercing the tubr. The steel pin is inserted and the gap is tightened down to peirce the tube. Body sizes are contoured to match specific tube sizes.
The brake/tapper has a hardened steel piercing needle and is furnished with a cap.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	54823	A31999 1/4IN VALVE CORE 5/PKG	
1	PKG	54817	A32804 1/4IN COPPER SADDLE ACCESS 5/PKG	
1	PKG	54818	A32805 5/16IN COPPER SADDLE ACCESS 5/PKG	
1	PKG	54820	A32806 3/8IN COPPER SADDLE ACCESS 5/PKG	
1	PKG	54816	A32808 1/2IN COPPER SADDLE ACCESS 3/PKG	
1	PKG	54821	A32810 5/8IN COPPER SADDLE ACCESS 3/PKG	
1	PKG	54819	A32812 3/4IN COPPER SADDLE ACCESS 2/PKG	

Access Core Gripper



- Just push in the base to extend four gripper fingers and the spring release core remover to take out and hold on to valve cores
- Also works on broken cores

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81292	CGR10 CORE GRIPPER	

Brass Core Container



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89875	65411 BRASS CORE CONTAINER	

Bullet Piercing Valves

Not to be used with R-410A



Taps water, gas, steam or air line in two minutes with no shut down! Install on the high side as a permanent valve on the job. Install on round suction lines or uneven tubing. The patented valve gasket application provides 50 times more sealing than "O" ring types.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94859	BPV14 1/4IN VALVE	
12	EA	94860	BPV56 5/16IN VALVE	
1	EA	94861	BPV38 3/8IN VALVE	
8	EA	94862	BPV21 2IN1 1-1/2-5/8 VALVE	
8	EA	94863	BPV12 1/2IN VALVE	
1	EA	94865	BPV34 3/4IN VALVE	
1	EA	94866	BPV78 7/8IN VALVE	
12	EA	94870	BPV31 3IN1 1/4-5/16-3/8 VALVE	

MAC Line Piercing Valves

Can be used with R-410A



Install valve. Connect charging hose. Service. That's all there is to it! MAC features uniport; one connection for both piercing and servicing. Sealed with refrigerant resistant "O" rings. Needle automatically back-seats after servicing, leaving line free of restriction. Connect to tubing with 2 socket-head screws. (Hex wrench is included with each valve.) Needle depressor is inserted into head of needle. Wing cap is turned down easily by hand until line is pierced. Wing cap is removed and system may be serviced with any charging hose with built-in depressor. When hose is removed, spring loaded needle back-seats forming a leak proof seal. Needle depressor is discarded and wing cap forms extra precautionary seal.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
36	EA	95232	QTM-1 1/4,5/16,3/8IN OD LINE TAP VALVE		
36	EA	95233	QTM-2 1/2,5/8IN OD LINE TAP VALVE		

N-Take 2 Alternate Combustion Inlet



Install the N-Take 2 within the draft induction supply line between the outdoor intake and the furnace. When a blocked intake would normally result in a "no heat call" and a furnace shutdown, the N-Take 2 opens due to a slight vacuum inside the pipe

- Installs in mintues on either existing or new installations
- Automatically closes when intake is cleared

NOTE: For use as an alternate inlet only. Not to be used as a primary combustion inlet.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81279	NT02 N-TAKE-2	

Genova PRODUCTS

PVC Drain-Waste-Vent Pipe and Fittings

for AFUE 90+ Furnaces



Hub x Hub 90° Extra



Spigot x Hub 90°



22-1/2° Elbow



45° Elbow



45° Street Elbow



Tee

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
140	EA	57004	70021-N 2X10 DWV PIPE(SCH.40)			
75	EA	57006	70031-N 3X10 DWV PIPE(SCH.40)			
150	EA	57007	310257 2 1/2X10 PVC PIPE(SCH.40)			
54	EA	57180	70041N 4X10 DWV PIPE (SCHED 40)			

Note: For 2-1/2 inch venting it is recommended that two 45° elbows be used in place of one 90° elbow due to the sharp radius of the 90° elbow.

Vent Pipe-DWV Cellular Core

140	EA	57002	70021F 2X10 DWV-CELLULAR CORE PIPE(SCH.40)			
75	EA	57003	70031F 3X10 DWV-CELLULAR CORE PIPE(SCH.40)			

NOTE: Only for use with non-pressurized applications. Approved for furnace venting only.

2 Inch Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
20	EA	57164	73620 2IN PVC DWV 45 EL (HUBXHUB)			
20	EA	57174	72720 2IN PVC DWV 45 ST EL(HUBXSPG)			
20	EA	57150	73820 2IN PVC DWV LONG 90 EL (HUBXHUB)			
20	EA	57295	70820 2IN PVC DWV 22 1/2 EL(HUBXHUB)			
20	EA	57296	75820 2IN PVC DWV 22 1/2 EL(HUBXSPG)			
20	EA	57155	72926 2IN PVC DWV 90 ST EL (HUBXSPG)			
20	EA	57130	71120 2IN PVC DWV TEE (HUBXHUBXHUB)			
10	EA	57161	30320 2IN PVC FEMALE ADAPTER (SLPXFIP)			
10	EA	57162	30420 2IN PVC MALE ADAPTER (SLPXMIP)			
20	EA	57290	70121 2X1 1/2 PVC DWV RED (HUBXHUB)			
20	EA	57294	70132 2X3 PVC DWV RED (HUBXHUB)			
10	EA	57525	30120 2IN PVC COUPLING (SLPXSLP)			

2-1/2 Inch Fittings

10	EA	54076	30790 2-1/2IN(NOT FOR VENTING) PVC 90 EL(SLPXSLP)			
10	EA	54077	30292 2-1/2X2IN PVC RED BUSH (SPGXSLP)			
10	EA	57565	30690 2 1/2 PVC 45 EL(SLPXSLP)			
10	EA	57585	30190 2 1/2 PVC CPLG (SLPXSLP)			

Note For 2-1/2 inch venting it is recommended that two 45° elbows be used in place of one 90° elbow due to the sharp radius of the 90° elbow.

3 Inch Fittings

20	EA	57166	70630 3IN PVC DWV 45 EL (HUBXHUB)			
20	EA	57175	72730 3IN PVC DWV 45 ST EL (HUBXSPG)			
20	EA	57156	72936 3IN PVC DWV 90 ST EL (HUBXSPG)			
20	EA	57171	70830 3IN PVC DWV 22 1/2 EL (HUBXHUB)			
20	EA	57172	75830 3IN PVC DWV 22 1/2 EL (HUBXSPG)			
20	EA	57131	71130 3IN PVC DWV TEE (HUBXHUBXHUB)			
10	EA	54051	30239 3X2-1/2 PVC RED BUSH(SPGXSLP)			
20	EA	57151	73830 3IN PVC DWV LONG 90 EL(HUBXHUB)			
10	EA	57526	30130 3IN PVC COUPLING (SLPXSLP)			

4 Inch Fittings

10	EA	57178	70640 4IN PVC DWV 45 EL (HUBXHUB)			
10	EA	57179	72740 4IN PVC DWV 45 ST EL (HUBXSPG)			
10	EA	57176	73840 4IN PVC DWV LONG 90 EL (HUBXHUB)			
10	EA	57177	72946 4IN PVC DWV 90 ST EL			
5	EA	57181	30140 4IN PVC COUPLING (SLPXSLP)			
20	EA	57182	70143 4"X3" PVC RED CPLG (HUBXHUB)			
10	EA	57132	71140 4IN PVC DWV TEE (HUBXHUBXHUB)			

PVC Pipe and Fittings


90° Elbow


45° Elbow


Coupling

- For use in cold water applications only
- For condensate drain lines
- Fittings meet ASTM-D2466
- Use only Teflon paste or tape on threads
- Arctic Weld for use in freezing temperatures


Pipe

1/2 Inch Pipe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100-499	PC-3 500
100	FT	54050	31005 1/2X10 PVC PIPE(SDR13.5)			

1/2 Inch Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
10	EA	57008	30155 1/2 PVC CAP (SLP)			
10	EA	57520	30705 1/2 PVC 90 EL (SLPXSLP)			
25	EA	57521	30105 1/2 PVC CPLG (SLPXSLP)			
10	EA	57522	30605 1/2 PVC 45 EL (SLPXSLP)			
10	EA	57523	31405 1/2 PVC TEE (SLPXSLPXSLP)			
10	EA	57125	30305 1/2IN PVC FEMALE ADAPTER (SLIPXFIP)			
10	EA	57126	30405 1/2IN PVC MALE ADAPTER (SLIPXMIP)			

3/4 Inch Pipe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100-499	PC-3 500
4000	FT	54052	31007 3/4X10 PVC PLASTIC PIPE(SDR21)			
4000	FT	54045	310077 3/4X10 PVC PIPE(SCH.40)			

3/4 Inch Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
50	EA	53556	30376 3/4X1 RED FEMALE PVC ADAPTER			
10	EA	53557	30476 3/4X1 RED MALE PVC ADAPTER			
25	EA	54054	30107 3/4 IN PVC COUPLING (SLPXSLP)			
10	EA	54057	30407 3/4 IN PVC MALE ADAPT (SLPXMIP)			
50	EA	54058	30175 3/4X1/2 PVC RED CPLG (SLIPXSLIP)			
10	EA	54060	30307 3/4 IN PVC FM ADAPTER(SLPXFIP)			
50	EA	54061	32907 3/4 IN PVC 90 ST EL (SLPXSPG)			
10	EA	54062	31407 3/4 IN PVC TEE (SLPXSLPXSLP)			
10	EA	54063	30707 3/4 IN PVC 90 DEG EL(SLPXSLP)			
10	EA	54064	30607 3/4 IN PVC 45 DEG EL(SLPXSLP)			
10	EA	54074	30475 3/4X1/2 MPT ADAPT(SLPXMIP)			
10	EA	57163	30157 3/4IN PVC CAP (SLP)			
10	EA	57165	31807 3/4 IN PVC PLUG			
20	EA	57568	37207 3/4 IN PVC UNION (SLIP X SLIP)			
50	EA	57588	32807 3/4 IN PVC 90 ST EL (SLIPXMIP)			

1 Inch Pipe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 10-99	PC-2 100-499	PC-3 500
2400	FT	57169	310107 1X10 PVC PIPE(SCH.40)			

1 Inch Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
10	EA	57009	30158 1IN PVC CAP			
10	EA	57012	31410 1IN PVC TEE			
10	EA	57149	30610 1IN PVC 45 ELBOW			
10	EA	57152	30710 1IN PVC 90 ELBOW(SLPXSLP)			
50	EA	57589	32810 1IN PVC 90 ST EL (SLIPXMIP)			
10	EA	57153	30110 1IN PVC COUPLING			
10	EA	57154	30310 1IN PVC FEMALE ADAPTER (SLPXFIP)			
10	EA	57157	30410 1IN PVC MALE ADAPTER (SLPXMIP)			
10	EA	57158	30220 1X2IN PVC BUSHING (SPGXSLP)			
50	EA	57159	30117 1X3/4IN PVC REDUCER			

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1-1/4 Inch Pipe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 10-99	PC-2 100-499	PC-3 500
1800	FT	57168	310117 1 1/4X10 PVC PIPE(SCH40)			

1-1/4 Inch Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
25	EA	57010	30159 1 1/4IN PVC CAP			
10	EA	57142	30714 1 1/4IN PVC 90 ELBOW			
25	EA	57143	30114 1 1/4IN PVC COUPLING			
25	EA	57144	30314 1 1/4IN PVC FEMALE ADAPTER			
25	EA	57145	30414 1 1/4IN PVC MALE ADAPTER			
10	EA	57146	31414 1 1/4IN PVC TEE			
10	EA	57147	30614 1 1/4IN PVC 45 ELBOW			
10	EA	57148	30224 1 1/4X2IN PVC RED BUSHING (SPGXSLP)			

1-1/2 Inch Pipe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 10-99	PC-2 100-499	PC-3 500
1800	FT	57167	70011N 1 1/2X10 PVC PIPE(SCH.40)			

1-1/2 Inch Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
10	EA	57011	30151 1 1/2IN PVC CAP			
10	EA	57133	30715 1 1/2IN PVC 90 ELBOW			
10	EA	57134	30615 1 1/2IN PVC 45 ELBOW			
10	EA	57135	30115 1 1/2IN PVC COUPLING			
10	EA	57136	30315 1 1/2IN PVC FEMALE ADAPTER			
10	EA	57138	30415 1 1/2IN PVC MALE ADAPTER			
10	EA	57139	31415 1 1/2IN PVC TEE			
25	EA	57140	34250 1 1/2X1IN PVC BUSHING (SPGXFIP)			
10	EA	57141	30254 1 1/2X1 1/4IN PVC BUSHING (SPGXSLP)			
20	EA	57290	70121 2X1 1/2 PVC DWV RED (HUBXHUB)			

P, R and J Traps



P-Trap



R-Trap



J-Trap

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54056	MA-12537/0356 3/4 IN PVC P-TRAP	
1	EA	54055	MA-12547/0357 3/4 IN PVC R-TRAP	
1	EA	54053	MA-12548/5-414 3/4 IN PVC J-TRAP	
50	EA	54020	5-411 1IN P TRAP (SLIPXSLIP)	

CPVC Pipe and Fittings



Pipe



90° Elbow



Coupling

Pipe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100-499	PC-3 500
10	EA	57528	50005 1/2 X 10 CPVC PIPE			

Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
20	EA	57530	51405 1/2 CPVC TEE			
20	EA	57531	50705 1/2 CPVC 90 ELB			
20	EA	57532	50605 1/2 CPVC 45 ELB			
20	EA	57533	50105 1/2 CPVC CPLG			
20	EA	57587	50405 1/2IN CPVC MALE ADAPT			

Fittings for Plastic Tube



370407



79320/79323

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	54014	350407 3/4 IN PLAST INSERT MALE ADAPTER	
10	EA	54030	350707 3/4 IN INSERT ELBOW	
10	EA	54026	351407 3/4 IN INSERT TEE	
10	EA	54032	351481 3/4X3/4X1/2 PLASTIC TEE	
10	EA	54017	370407 3/4 IN STEEL MALE ADAPTER	
10	EA	54034	79320 3/8X7/8 CLAMP	
10	EA	54035	79323 1/2 X1 1/4 CLAMP	

Flexible PVC Coupling



- Flexible PVC construction with 300 series stainless-steel, rustproof and corrosion-resistant clamps and band slats for sealing efficiency.
- Compatible with cast iron, plastic, copper, lead and steel piping.
- Resists chemicals, ultraviolet rays and fungus growth.
- Fast and easy installation with a screwdriver, nut driver, or socket wrench.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
10	EA	57200	85093 2IN X 2IN CI/PL/ST/LD FLEX COUPLING			
10	EA	57201	85095 3IN X 3IN CI/PL/ST/LD FLEX COUPLING			
10	EA	57202	85096 3IN X 2IN REDUCING CI/PL/ST/LD FLEX COUPLING			

Kut-All Cutter
For Plastic Tube and Hose



Tough, durable nylon. Blade closes into its own handle for safe handling. Replaceable high carbon, teflon coated steel blades. Ideal for cutting up to 1-1/8" I.D. plastic tubing, reinforced plastic tubing, rigid plastic pipe, and rubber hose.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82115	PK-2 PIPE & TUBE CUTTER	

PVC Cutter



- Cuts up to 3/4" schedule 40 PVC
- Cuts 1-3/8" OD flexivle pipe
- Makes clean burr-free cuts
- Steel construction for strength.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83719	50506SEN 3/4IN PVC CUTTER	

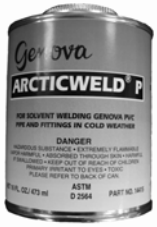
Leak Lock Pipe Joint Compound



- Resistant to all refrigerants, oils, water and most chemicals, liquids, and gases.
- Resin based
- Soft-setting
- Brushable paste
- Use with pressures to 10,000 PSI to full vacuums.
- Temperature range: -200 to 400° F.
- Ideal for joinng all metals, plastics, and other materials.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	94883	HS10001 1-1/3OZ TUBE LEAK LOCK		
12	EA	94884	HS10004 4OZ BRUSH TOP LEAK LOCK		

Arcticweld PVC Cement



For use in freezing temperatures with PVC. Labeling conforms to the Consumer Protection Agency requirements. ASTM D2564.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
6	EA	54046	14415 1 PT ARCTICWELD			

Oatey® PVC/CPVC Cement, Primer, and Cleaner



30757



30795



30821



31014



31132

Oatey Purple Primer

Oatey purple primer is recommended for use on PVC and CPVC pipe and fittings, all schedules and diameters. This purple tinted aggressive primer is formulated to remove surface dirt, grease and grime, as well as soften the pipe surface to allow for a fast, secure, and permanent solvent weld. For use in areas where code calls for verification that a primer has been used. Exceeds ASTM F-656.

Oatey All Purpose Cleaner

Oatey all purpose cleaner is recommended for use on ABS, PVC, and CPVC pipe and fittings, all schedules and diameters. This fast acting cleaner removes surface dirt, grease, and grime. Flows freely and evaporates quickly. Does not penetrate pipe surface. Apply at temperatures 40° F to 100° F.

Oatey All-Purpose Cement, Clear

Oatey heavy duty cement is recommended for use on PVC pipe and fittings up to 12" diameter for schedule 40 and schedule 80 potable water pressure pipe, gas, conduit, drain waste, and vent pipe. Provides a thick layer of cement on the pipe. Apply at temperatures 40° F to 100° F. This clear cement helps to fill gaps in larger diameter pipe and loose fitting joints. Exceeds ASTM D-2564.

Oatey Regular PVC Cement, Clear

Oatey regular cement is recommended for use on PVC pipe and fittings up to 4" for DWV or schedule 40 and up to 2" to schedule 80 potable water pressure pipe, gas, conduit, drain waste, and vent pipe. It flows freely and sets up quickly. Apply at temperatures 40° F to 100° F. Exceeds ASTM D-2564.

Oatey All Weather Cement, Clear

Oatey all weather cement is recommened for use on PVC pipe and fittings up to 6" for DWV and all schedules and diameters. It is recommened for use on potable water, drain, waste, and vent systems. Apply at temperatures -15° F to 110° F. Exceeds ASTM D-2564.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
24	EA	50826	30757 16 OZ PURPLE PRIMER & CLEANER			
24	EA	50829	30795 16 OZ PVC ALL-PURPOSE CLEAR CLEANER			
24	EA	50830	30821 8 OZ ALL PURPOSE CEMENT WITH BRUSH			
24	EA	50827	31014 16 OZ PVC REGULAR CLEAR CEMENT WITH BRUSH			
24	EA	50836	31132 16 OZ PVC ALL WEATHER CLEAR CEMENT			

Wire Pipe Hooks

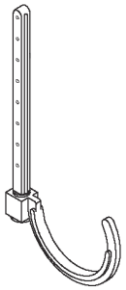


For 1-1/4" OD pipe or tubing (or smaller).

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	EA	13385	PWS-9 GA. 1X6 PLAIN WIRE PIPE HOOK		

Swivel Hangers

For Hanging PVC or DWV Pipe from Floor Joist



- Swivel saddle holds PVC and DVWpipe securely, yet allows for expansion and contraction
- Made of white ABS plastic
- 360° rotating feature allows pipe to hang at any angle
- Nails holes (1" apart) serve as drop markers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	13380	SH-2 2 IN SWIVEL HANGER		
25	EA	13381	SH-3 3 IN SWIVEL HANGER		

J-Hooks for DWV Pipe



- Hold and support 1-1/2 to 4" drain, waste or vent (DWV) pipe
- Nails pre-loaded for faster installation
- Temperature Range: -40 to 180° F
- Additional holes allow use of cable ties and other fasteners.
- Exclusive locking finger for mounting DWV pipe at any angle

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
25	EA	50839	33741 2" PVC J-HOOK			
25	EA	50840	33742 3" PVC J-HOOK			

Ultralite Equipment Pads



- Textured surface prevents unit slide.
- High-fiber cement composite is amazingly tough
- Engineered EPS core provides vibration dampening and solid bearing.
- Wedge pads for use with Lennox condensing units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	26900	UC1636-2 16X36X2 ULTRALITE PAD		
15	EA	26901	UC1636-3 16X36X3 ULTRALITE PAD		
20	EA	26904	UC2424-2 24X24X2 ULTRALITE PAD		
20	EA	26905	UC2430-2 24X30X2 ULTRALITE PAD		
15	EA	26909	UC2442-3 24X42X3 ULTRALITE PAD		
20	EA	26912	UC3030-2 30X30X2 ULTRALITE PAD		
15	EA	26922	UC3030-3 30X30X3 ULTRALITE PAD		
20	EA	26913	UC3036-2 30X36X2 ULTRALITE PAD		
20	EA	26915	UC3232-2 32X32X2 ULTRALITE PAD		
20	EA	26919	UC3636-2 36X36X2 ULTRALITE PAD		
15	EA	26923	UC3636-3 36X36X3 ULTRALITE PAD		
20	EA	26920	UC3640-2 36X40X2 ULTRALITE PAD		
15	EA	26925	UC3648-3 36X48X3 ULTRALITE PAD		
15	EA	26917	UC3132-3L 31X32X3 ULTRALITE WEDGE PAD		
15	EA	26916	UC3539-3L 35X39X3 ULTRALITE WEDGE PAD		
15	EA	26926	UC4044-3L 40X44X3 ULTRALITE WEDGE PAD		

Anti-Vibration Mounting Pads



The EVA pad

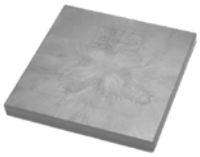
The most effective vibration dampening pad available on the market today. This enhanced performance is due to the special composite foam center. The composite foam is much more structurally sound than cork. It is not affected by oils or chemicals that can sometimes break down cork, and is much more effective at vibration dampening than solid rubber.

Cork-Rubber Pad

Highest quality elastomeric oil resistant padding. Designed to withstand 50 lbs. per square inch. The rubber pads are corrugated on both sides. The cork is laminated between two corrugated pads. Ideal for air conditioners, compressors, cooling towers, presses, machines, etc.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
48	EA	43908	MP-2E 2X2X7/8 EVA PAD	
36	EA	43909	MP-3C 3X3X7/8 CORK-RUBBER PAD	

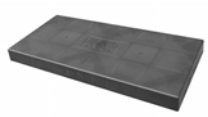
E-Lite™ Plastic Equipment Pads



E-Lite's rugged design provides uniform and generous ribbing for optimum, self-leveling ground support without inserts. The result is a pad that is lightweight, but not too light. A subtle texture prevents unit slide. Limited lifetime warranty.

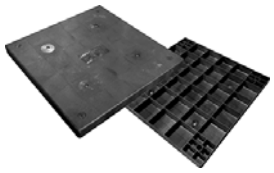
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
16	EA	26998	EL1838-3 18X38X3 ELITE PLASTIC PAD		
44	EA	27000	EL2424-2 24X24X2 ELITE PLASTIC PAD		
22	EA	27001	EL2430-2 24X30X2 ELITE PLASTIC PAD		
22	EA	27004	EL3030-2 30X30X2 ELITE PLASTIC PAD		
16	EA	27012	EL3030-3 30X30X3 ELITE PLASTIC PAD		
22	EA	27005	EL3036-2 30X36X2 ELITE PLASTIC PAD		
22	EA	27007	EL3232-2 32X32X2 ELITE PLASTIC PAD		
22	EA	27010	EL3636-2 36X36X2 ELITE PLASTIC PAD		
16	EA	27013	EL3636-3 36X36X3 ELITE PLASTIC PAD		
22	EA	27011	EL3640-2 36X40X2 ELITE PLASTIC PAD		
16	EA	27015	EL5252-3 52X52X3 ELITE PLASTIC PAD		

Equipment Pads



93540

These condensing unit pads are molded from polypropylene, creating a lightweight, one-piece pad that is virtually unbreakable. They are UV stable, are resistant to chemicals, and have a textured surface. Pads can be drilled to attach condensing unit.



93565 / 93562 / 93573

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
16	EA	27016	93540 18X38X3 A/C PLASTIC COND PAD DARK GRAY	
22	EA	27020	93565 30X30X2 A/C PLASTIC COND PAD DARK GRAY	
16	EA	27022	93562 32X32X2 A/C PLASTIC COND PAD DARK GRAY	
16	EA	27023	93573 36X36X2 A/C PLASTIC COND PAD DARK GRAY	

Streamline
A BRAND OF MUELLER INDUSTRIES

Mini Split Line Sets

3/8" Insulation

- Both lines insulated
- Flare nuts on both ends

Length (Ft.)	Suction Line	Liquid Line	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	5/8	1/4	8	EA	54696	41080500B3B6 50FT 5/8S 1/4L 3/8I MINI SPLIT LINE SET	

Mounting Blocks and Risers



230-MB17W Mounting Blocks for Condensing Units

Mounting blocks for use when condensing units must be bolted down. Furnished complete with mounting bolts. Maximum load capacity is 900 pounds per mounting block.



FB-1 Mounting Blocks for Furnaces

The FB-1 furnace mounting blocks keep the furnace off the floor in order to help avoid moisture and rust and they also assist in eliminating vibration and noise. Each block holds up to 300 lbs.



AER-8 Adjustable Equipment Riser

Height Range 5" to 8". Simply twist riser counter-clockwise to increase height. High-pressure injection molded polypropylene. Each AER-8 can handle a uniform load of 300 pounds.



HP3636-8 Risers for Heat Pumps

Raises heat pump 8" off the ground for maximum operating efficiency in snowy climates. Made from recycled polypropylene, it includes 8 high quality anti-vibration pads for quiet, vibration-free operation.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	55055	230-MB17W 17IN MOUNT BLOCK 2PK	
4	EA	22815	AER-8 5IN TO 8IN ADJUSTABLE EQUIP RISER	
72	EA	44800	FB-1 FURNACE MOUNTING BLOCK	
16	EA	26895	HP3636-8 36X36X8 HEAT PUMP PAD	

Easy Levelers

Furnace Leg Extensions



Revolutionary furnace leveling system created for the perfectionist. Four sturdy bolt adjusted leg extensions supplied with mounting materials. Simply turn the lag bolted insert clockwise or counter clockwise to raise or lower each corner of the furnace.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	81284	EL10 EASY LEVELERS	

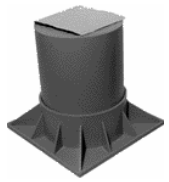
Easy Leveler™ Furnace Legs



- Includes 4 easy leveler legs and sheet metal screws
- Designed to level a furnace and air conditioning coil for proper drainage
- Proper leveling helps eleminate standing water which reduces bacteria
- Easily adjustable even after installation
- Legs can support up to 400 lbs
- Adjustable from 2–3/4" to 4" in height

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	89871	79095 EASY LEVEL FURNACE LEGS	

MA-LINE Pump-Up™ Stands



- Elevate heat pumps and air handling units.
- Made of corrosion-resistant plastic.
- Butyl mastic on the top and bottom.
- Absorbs noise and vibration.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	22816	MA-HP3 3IN PUMP UP	
4	EA	22819	MA-HP6/2006/HPR6 6IN PUMP-UP	

Armstrong Air AIREASE™ Screw-Up Adjustable Height Equipment Stand

- Easy leveling of units during and after installation.
- Elevates heat pumps and air handling units
- Made of corrosion resistant plastic
- Allows better condensate drainage
- Helps prevent corrosion of metal base
- Polymeric mastic included for each unit
- Adjustable height: 6" to 7-1/4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	84820	83X87 6"-7 1/4" GRAY SCREW UP STYLE PUMP UP EQUIPMENT STAND	

Air Conditioner Concrete Anchor



Used for AC wall brackets.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	BOX	96220	2638334 3/8" X 3 3/4" CONCRETE ANCHORS	

QUICK-SLING Quick Swivel Flush Mount Stand with H-Bracket

For Unit Heaters and Ducted Mini-Split Units



Quick Swivel provides a non-swinging, rotating platform that is quick, safe, stable, and affordable. The Quick Swivel can easily be installed in residential or commercial applications. Rotate the swivel to suit the installation then lock it in place.

- Mounts parallel to or across joists at 16" or 24" on center
- Allows for 360 degree unit rotation
- Direct flow of heat for maximum efficiency
- 200 lbs max capacity
- Includes all necessary hardware

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88924	QSWI3000 200LBS MAX QUICK SWIVEL FLUSH MOUNT	

QUICK-SLING Mini-Split Stands



1801



1802

QSMS1801 (Wide)

- 14-guage square, steel tubing
- Maximum capacity: 400 lbs
- Each foot slotted to receivce 1/4"/20 hardware
- Can be bolted to concrete, cement, or wood
- 4 points of anti-vibration isolation washers provided
- Adjustable length: 34" to 40" in 1" increments

QSMS1802 for Dual Fan Mini-Split Units

- 14-guage steel tubing
- 11-guage cross rails
- Maximum capacity: 400 lbs
- Stabilize and secure top heavy condensors
- Additional support arms are included

STD PKG	U/M	BERCOR NUMBER	DECRIPTION	PC-1 EACH
1	EA	88925	QSMS1801 400LBS MAX MINI SPLIT STAND	
1	EA	88926	QSMS1802 400LBS MAX DUAL FAN MINI SPLIT STAND	

QUICK-SLING Wall Brackets



QSWB1000

- Mounted outdoor wall hanger
- 4 points of anti-vibration isolation
- 500 lbs maximum capacity
- Shelf is 26" deep
- 11 guage square steel tubing
- Units can be mounted up-and-out or down-and-out



QSWB2000

- Wall bracket
- 6 points of anti-vibration isolation
- 350 lbs maximum capacity
- Shelf is 25" deep
- 25" mounting rails
- Slide track is adjustable from 0" to 34 " W

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88927	QSWB1000 500LBS MAX MINI SPLIT WALL BRACKET	
1	EA	89093	QSWB2000 350LBS MAX WALL MOUNT BRACKET	

MARS A/C Mounting Brackets



Heavy duty engineered steel brackets are used for vertically mounting condensing units and heat pumps on walls. Brackets include mounting holes and are finished with a durable gray powder coat. Available in 30" and 42."

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PR	16050	93630 12 X 30IN WALL MOUNT BRACKET	
1	PR	16051	93632 12 X 42IN WALL MOUNT BRACKET	

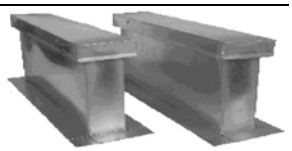
MARS Mini Split Bracket



- Powder coat finish resists rust and corrosion
- Mounting and attachment hardware included
- Bracket width and depth adjust to accommodate compressor size
- Vibration pads included for a durable and quiet installation
- Pre-assembled vertical supports reduce installation time

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	89600	93643 19X30X47.5IN MINI SPLIT BRACKET	

Rooftop Equipment Mounting Rails



- 18 gauge galvanized steel construction.
- Unitized construction with integral base plate.
- Welded construction.
- 2 x 4 wood nailer.
- Galvanized counter flashing with lag screws.
- Internally re-inforced.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	57430	ER-3A 8"X3' RAIL	

Pro System Kits and E-Flex Guard

Wall Penetration Protection and Sealant



E-Flex Guard



TGS



TSS

This 2-in-1 system provides exterior protection and insulation for wall penetrations of HVAC refrigerant piping. It includes a Titan Outlet plus E-Flex Guard insulation that offer improved sustainability, energy efficiency, and performance of HVAC equipment and meets numerous energy and building codes and standards.

- The Titan Outlet is professionally engineered and features a wall outlet enclosure with excellent weather proofing capabilities that fits over and seals around wall surface piping penetrations.
  Model TGS is for standard wall applications.
  Model TSS is for siding or compact applications.
- E-Flex Guard is an engineered PVC that is UV and weather resistant and is a Class II vapor retarder.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	RLL	44884	750E-B 1/2" WALL AIREX E-FLEX GUARD 75FT ROLL	
1	RLL	44885	750C-B 3/4" WALL AIREX E-FLEX GUARD 75FT ROLL	
1	EA	44886	TGS-650G-72E-B 1/2" WALL AIREX PRO-SYSTEM KIT	
1	EA	44887	TGS-675G-72C-B 3/4" WALL AIREX PRO-SYSTEM KIT	
1	EA	44888	TSS-650G-72E-B 1/2" WALL AIREX PRO-SYSTEM KIT F/SIDING	
1	EA	44889	TSS-675G-72C-B 3/4" WALL AIREX PRO-SYSTEM KIT F/SIDING	

Condensing Unit Leaf and Debris Protector



This adjustable leaf and debris protector for condensing units accommodates units up to 4' x 4' and covers all new high SEER residential units. It secures to the unit with heavy-duty eleastic bands and makes spring cleaning easy.
1/4" x 1/'4" openings.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN
1	EA	81278	ALDP AC LEAF AND DEBRIS PROTECTOR	

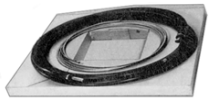
Air Conditioner Cage



- Protects condensing unit from unauthorized access.
- Completely adjustable and expands to fit most air conditioning units for commercial and residential units.
- Cages adjust from 34" H x 30" W x 30" D to 59" H x 51" W x 51" D
- Easy install and easily removable for maintenance.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81364	ACGUKIT COMPLETE CAGE	

Streamline Tube • Fittings • Valves Insulated Plain End Line Sets



Copper line sets for split-system air conditioning systems and heat pumps. Tubing is refrigeration-quality soft copper with a holding charge and sealed with sulphur-free rubber plugs. Insulation is high quality closed cell; the same as used by OEMs. The uniformly round copper tubing readily accepts sweat, flare, or compression-type fittings. These sets are sealed and have a slight holding charge, insuring a clean moisture-free refrigeration line. They have a closed 90° bend on one end.

1/2" Insulation

Length (Ft)	Suction Line	Liquid Line	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	5/8	3/8	12	EA	54715	61020250 -25FT 5/8S 3/8L 1/2I COPPER LINE SET		
35	5/8	3/8	8	EA	54716	61020350 -35FT 5/8S 3/8L 1/2I COPPER LINE SET		
50	5/8	3/8	7	EA	54717	61020500 -50FT 5/8S 3/8L 1/2I COPPER LINE SET		
25	3/4	3/8	8	EA	54675	61220250-25FT 3/4S 3/8L 1/2I B COPPER LINE SET		
35	3/4	3/8	7	EA	54718	61220350 -35FT 3/4S 3/8L 1/2I COPPER LINE SET		
50	3/4	3/8	5	EA	54676	61220500-50FT 3/4S 3/8L 1/2I B COPPER LINE SET		
25	7/8	3/8	8	EA	54677	61420250-25FT 7/8S 3/8L 1/2I B COPPER LINE SET		
35	7/8	3/8	7	EA	54719	61420350 -35FT 7/8S 3/8L 1/2I COPPER LINE SET		
50	7/8	3/8	5	EA	54678	61420500 7/8S 3/8L 1/2I B COPPER LINE SET		
35	1-1/8	3/8	8	EA	54720	61820250 -25FT 1 1/8S 3/8L 1/2I COPPER LINE SET		
50	1-1/8	3/8	4	EA	54679	61820500 -50FT 1 1/8S 3/8L 1/2I COPPER LINE SET		

3/4" Insulation

Length (Ft)	Suction Line	Liquid Line	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	3/4	3/8	8	EA	54706	61230250 -25FT 3/4S 3/8L 3/4I COPPER LINE SET		
35	3/4	3/8	5	EA	54712	61230350 -35FT 3/4S 3/8L 3/4I COPPER LINE SET		
50	3/4	3/8	4	EA	54707	61230500 -50FT 3/4S 3/8L 3/4I COPPER LINE SET		
25	7/8	3/8	7	EA	54708	61430250 -25FT 7/8S 3/8L 3/4I COPPER LINE SET		
35	7/8	3/8	5	EA	54713	61430350 -35FT 7/8S 3/8L 3/4I COPPER LINE SET		
50	7/8	3/8	4	EA	54709	61430500 -50FT 7/8S 3/8L 3/4I COPPER LINE SET		
25	1-1/8	3/8	7	EA	54710	61830250 -25FT 1 1/8S 3/8L 3/4I COPPER LINE SET		
35	1-1/8	3/8	5	EA	54714	61830350 -35FT 1 1/8S 3/8L 3/4I COPPER LINE SET		
50	1-1/8	3/8	4	EA	54711	61830500 -50FT 1 1/8S 3/8L 3/4I COPPER LINE SET		

Streamline Tube • Fittings • Valves Twin Tube Mini Split Line Sets

1/2" Insulation



Mini Split Line Sets with dual tube insulation are the convenient solution for labor savings and reduced waste. These time-saving kits are packaged with pre-insulated copper tube liquid lines and suction lines. The factory installed seamless insulation reduces the risk of leaks and promotes energy efficiency.

- Single piece insulation eliminates the need for taping the lines together
- Closed-cell construction ensures excellent thermal conductivity, and prevents mold and mildew
- 25/50 rating
- UL recognized at 700 PSI

Length (Ft)	Suction Line	Liquid Line	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
15	3/8	1/4	14	EA	54617	40620150B3B8 15FT 3/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
15	1/2	1/4	14	EA	54618	40820150B3B8 15FT 1/2S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
15	5/8	1/4	12	EA	54614	41020150B3B8 15FT 5/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
15	5/8	3/8	12	EA	54619	61020150B3B8 15FT 5/8S 3/8L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
30	3/8	1/4	12	EA	54620	40620300B3B8 30FT 3/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
30	1/2	1/4	12	EA	54621	40820300B3B8 30FT 1/2S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
30	5/8	1/4	8	EA	54615	41020300B3B8 30FT 5/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
30	5/8	3/8	7	EA	54622	61020300B3B8 30FT 5/8S 3/8L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
50	3/8	1/4	8	EA	54623	40620500B3B8 50FT 3/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
50	1/2	1/4	7	EA	54624	40820500B3B8 50FT 1/2S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
50	5/8	1/4	7	EA	54616	41020500B3B8 50FT 5/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
50	5/8	3/8	7	EA	54625	61020500B3B8 50FT 5/8S 3/8L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
100	1/2	1/4	1	EA	54626	40821000B3B8 100FT 1/2S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
100	5/8	3/8	1	EA	54627	61021000B3B8 100FT 5/8S 3/8L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	

Flexible Mini-Split Line Sets



MARS flexible line set coneectors provide ease of installation for mini-split indoor evaporator units. Flexible line sets allow for line set connection prior to mounting the unit on the wall. Eliminates copper line kinking during the installation process and provide for future ease of service of the AC unit. All flex line sets are 36 " long to facilitate installation of wall mount evaporators.

- High pressure stainless steel braided line rated to 800 PSI
- R-410A compatible
- Copper Stubs: 3"
- Overall Length: 36"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54732	52345 1/4" X 36" MINI SPLIT FLEX LINE	
1	EA	54733	52346 3/8" X 36" MINI SPLIT FLEX LINE	
1	EA	54734	52347 1/2" X 36" MINI SPLIT FLEX LINE	
1	EA	54735	52348 5/8" X 36" MINI SPLIT FLEX LINE	

Line Sets with DuraGuard™ PE Insulation



Mueller's Streamline® line sets are now available with DuraGuard tear-resistant insulation. This unique polyethylene insulation has a tough, tear resistant outer layer which protects the line set and its insulation during rough job site handling and tight-space remodel/ replacement projects.

- Tear resistant outer layer
- UV resistant
- Meets 25/50 flame and smoke rating per ASTM E84
- Mold and mildew resistant
- Increased condensation control
- Numbered every foot for easy measurement
- 10 year warranty

50 Ft.

Size OD (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1/4	26	EA	54721	00470500 50FT 1/4" OD 1/2I DURAGUARD PE LINE		
3/8	22	EA	54722	00670500 50FT 3/8" OD 1/2I DURAGUARD PE LINE		
1/2	20	EA	54723	00870500 50FT 1/2" OD 1/2I DURAGUARD PE LINE		
5/8	14	EA	54724	01070500 50FT 5/8" OD 1/2I DURAGUARD PE LINE		

164 Ft.

Size OD (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1/4	10	EA	54725	00471640 164FT 1/4" OD 1/2I DURAGUARD PE LINE		
3/8	8	EA	54726	00671640 164FT 3/8" OD 1/2I DURAGUARD PE LINE		
1/2	6	EA	54727	00871640 164FT 1/2" OD 1/2I DURAGUARD PE LINE		
5/8	8	EA	54728	01071640 164FT 5/8" OD 1/2I DURAGUARD PE LINE		

Fin Savers for Corrosion Protection

Protects HVAC Compressor Lines, Coils, and Fins



The FinSaver is made of a highly active zinc alloy that attracts the current flow to the "sacraficed" anode and away from the other metal components causing the FinSaver to corrode and protecting both aluminum and copper components of the HVAC system.

- High surface area design: 3.5 times the overall surface area of competing products.
- Higher mass design: Up to 2.5 times the weight of competing products.
- ASTM B-117 testing.
- Units can be split and surface maunted to increase application sites for corrosion protection.
- Easy install. Only requires a standard #2 Philips screwdriver.
- Reduces vibration.

Size OD (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5/8	24	EA	76197	FS 625 5/8" FIN SAVER	
3/4	24	EA	76198	FS 750 3/4" FIN SAVER	
7/8	1	EA	76199	FS 875 7/8" FIN SAVER	

CycleMaster Flare Ball Valve

Insulation Covers Included



CycleMaster flare ball valves feature full port construction, environmentally friendly, chromium-plated balls for reduced wear and extended seal life, and Mueller's exclusive MCM seals for industry-leading longevity and low leak rates. The insulation covers eliminate the time and hassle of cutting insulation in the field.

- Engineered for multi-split A/C and heat pump units
- Self sealing elastometric insulation cover available
- Rupture proof encapsulated stem
- Dual o-ring seals
- Suitable for use with CFC, HCFC, and HFC refrigerants and oils, including R-410A
- Access points allow valve to be opened and closed without removing insulation
- Elastometric insulation meets 25/50 flame and smoke ratings and ASTM C177
- UL/cUL listed, CE certified
- Design working pressure (PS): 700 psig, 48 bar
- Working temperature range (TS): -40° F/300° F, -40° C/149° C

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89584	A 18567 CYCLEMASTER 1/4" FLARE BALL VALVE W/INSULATION COVERS	
1	EA	89184	A 18568U CYCLEMASTER 3/8" FLARE BALL VALVE W/INSULATION COVERS	
1	EA	89585	A 18569U CYCLEMASTER 1/2" FLARE BALL VALVE W/INSULATION COVERS	
1	EA	89185	A 18570 CYCLEMASTER 5/8" FLARE BALL VALVE W/INSULATION COVERS	

Air Conditioning Whips
All Plastic



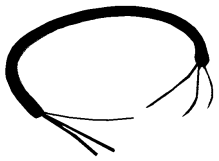
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	76847	84131 1/2X48-10 A/C WHIP		
1	EA	20179	84135 1/2X72 A/C WHIP		
1	EA	76848	84133 3/4X48-8 A/C WHIP		
1	EA	20181	84137 3/4X72 A/C WHIP		

Air Conditioning Whips
Metal Fittings/Plastic Conduit



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	76920	84132 1/2X48-10 A/C WHIP		
1	EA	76922	84136 1/2X72-10 A/C WHIP		
1	EA	76921	84134 3/4X48-8 A/C WHIP		
1	EA	76923	84138 3/4X72-8 A/C WHIP		

Air Conditioning Whips
All Metal



Components are UL Approved for Outdoor Applications

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	76840	84125 UA 1/2X48 A/C WHIP		
1	EA	76841	84127 UA 1/2X72 A/C WHIP		
1	EA	76842	84126 UA 3/4X48 A/C WHIP		
1	EA	76843	84128 AU 3/4X72 A/C WHIP		

Disconnect Switches

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	77024	83396 30AMP FUSED DISCONNECT SWITCH		
1	EA	77030	84711 30AMP 3PH 3 POLE MINI SPLIT DISCONNECT SWITCH		
6	EA	77016	83317 60 AMP FUSED DISCONNECT SWITCH		
6	EA	77025	83335 N6000NF 60AMP NON-FUSED DISCONNECT SWITCH		
6	EA	77018	80315 60AMP NON FUSED DISCONNECT SIDE OPEN		
1	EA	77029	83328 60AMP 240V NON FUSED AC DISCONNECT SIDE OPEN		
4	EA	77020	83321 60 AMP 3PH NON-FUSED DISCONNECT SWITCH		

Disconnect with GFCI Receptacle Combination



This combination disconnect provides a convenient low cost means to satisfy NEC Article 210.63 requirements for HVAC/R Equipment Out and Article 406.8(B)(1) for Receptacle-Wet Locations. The NEMA 3R design insures a safe, weather tight installation for residential, light commercial and even some industrial applications.

- 60 amp, non-fused
- Pullout type
- 240 volt AC, single-phase
- 15 amp, 125V GFCI duplex receptacle included
- UL & CUL listed
- Compact size: 5" x 7" x 4"
- Removable cover
- Heavy galvanized G90 steel with highest quality electro-disposition finish resists corrosion and fading

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	77017	83308 60 AMP AC NON-FUSED DISC W/GFCI RECEPTACLE COMBO	

Disconnect with Internal SurgeProtection



Provieds an integrated design for quick and clean installation. The metal, weather-resistant enclosure provides additional robustness and security. MARS Surge Protectors provide the performance necessary to protect critical components in high efficiency mini-split and unitary HVAC equipment.

- Side open disconnect
- Integrated internal surge protector
- 60 amp non-fused
- Single-phase 240V
- Weather proof enclosure
- 3 year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77661	83915 60 AMP NON-FUSED DISCONECT W/INT SURGE	

Surge Protector

120/240V Single (Split) Phase



This surge protective device is designed to protect HVAC equipment from power spikes, surges, and transients.

- SPD type: 1 or 2
- Easy installation to disconnect box or junction box. 18" leads.
- Type 4X weatherproof enclosure
- Fits 1/2 inch knockouts
- Green and Red LED status indicators
- Uses metal oxide varistor (MOV) technology
- 50/60Hz
- Max surge current: 10,000A
- Max continuous overvoltage: L-N 150V/ L-L 300V
- Voltage protection rating: L-N 800V/ L-L 1200V
- UL 1449 4th edition
- 2 year warranty
- $7,500 connected equipment warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77660	83905 HVAC SURGE PROTECTOR	

Surge Protector

120V Single Phase

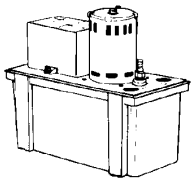


This surge protective device is designed for 120V furnaces and air handler applications.

- SPD type: 1 or 2
- Easy 2 wire installation
- Type 2 enclosure
- Fits 1/2" knockout
- Green LED status indicator
- Uses metal oxide varistor (MOV) technology
- 50/60 Hz
- Voltage protection rating: L-N 700V
- Max continuous overvoltage: L-N 150V
- SCCR: 10KA
- UL 1449 4th edition

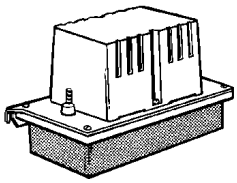
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77662	83904 FURNACE AND AIR HANDLER SURGE PROTECTOR	

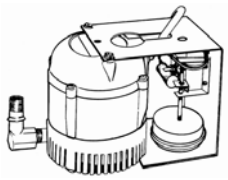
Little GIANT Pump Company Condensate Pumps


VCL-24-ULS


VCMX-20-ULS


VCMA


VCC-20-ULS


1-ABS

VCL Large Reservoir Pumps. 1 gallon tank, 1/8 HP motor, galvanized steel tank cover.

VCMX Medium Reservoir, "Next Generation" Pumps. 1/2 gallon tank, 1/30 HP motor, ABS cover, slimmer footprint, oil resistant tank, and check valve, patent pending cooling system.

VCMA Medium Reservoir Pumps. 1/2 gallon tank; 1/30 HP motor; ABS tank, housing, and cover.

VCC Low Profile Pumps. 1/3 gallon tank, 1/30 HP motor, ABS housing and cover.

1-ABS Shallow Pan Pumps. 1/4" discharge, 1/150 HP motor, epoxy coated cast aluminum housing and cover, designed for in-pan placement.

Model No.	PSI	Gallons Per Hour (In.)					Shut-Off
		1	3	5	9	15	
VCL-24-ULS	10.4	270	260	250	210	—	24
VCMX-20-ULS	9.1	84	—	75	—	42	21
VCMA-20-ULS	8.6	80	—	70	55	25	20
VCMA-15-ULS(T)	6.5	65	—	50	30	—	15
VCC-20-ULS	8.6	80	—	70	50	25	20
1-ABS	4.3	205	180	145	—	—	10

Condensate Pumps

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	95521	VCL-24-ULS COND PUMP 115V	
5	EA	95509	VCMX-20ULS COND PUMP 115V	
5	EA	95513	VCMA-20ULS COND PUMP 230V	
4	EA	95511	VCMA-15ULST COND PUMP 115V	
5	EA	95526	VCMA-15ULS COND PUMP 115V	
5	EA	95518	VCC-20-ULS COND PUMP 115V	
6	EA	95514	1-ABS COND PUMP ONLY 115V	

Accessories

24	EA	95510	ACS-3 SAFETY SWITCH	
6	EA	95563	CV-2 CHECK VALVE F/1-ABS	

DiversiTech Condensate Pump



BB-46

The DiversiTech Boiler Pump is designed to automatically remove the water produced by condensing furnace and boilers that produce high temperature condensate. Can also be used for air conditioning evaporation coils. These pumps can be used for other types of fresh water removal from refrigeration equipment, dehumidifiers, water dispensers,etc. where gravity drainage is impossible.

Features

- Suitable for condensate up to 212°F
- Independent high-level safety switch
- Maximum flow 204gal/hr
- Maximum head 46"
- 115VAC 60 Hz
- 240VAC 3A Dry Contact
- USA 3-prong molded plug (120 VAC) and NEMA 6–15 plug (230VAC)
- 2-year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95550	BP-46 115V 46FT LIFT HIGH TEMP CONDENSATE PUMP	

Condensate Pumps



21780

- ABS and stainless steel construction
- Drip proof housing design
- Solid float
- 125 GPH
- 24 foot lift
- Rubber isolation feet
- Patent pending, quick release check valve



21784

- Low profile pump
- Integrated safety switch
- Drip proof housing
- Quick service check valve
- 22 foot lift



21786

- Whisper quiet
- 1/2 gallon reservoir
- Rubber isolation feet
- Quick service check valve
- 16 foot lift

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6.375 x 5.125 x 10.25	1	EA	94821	21780 115V 60HZ .91AMPS CONDENSATE PUMP 24FT LIFT	
5.28 x 5.04 x 10.25	1	EA	94823	21784 115V 60HZ LOW PROFILE CONDENSATE PUMP 22FT LIFT	
6.375 x 5.125 x 10.25	1	EA	94824	21786 115V 60HZ 16FT LIFT CONDENSATE PUMP	

beckett™ Condensate Pump



Beckett's large condensate pump model is ideally suited for higher volume standard condensate removal applications. Each pump operates quietly and efficiently.

- One gallon tank
- Built-in safety switch
- Pre-wired terminal block
- Replaceable 3/8" O.D. check valve
- 115V/60 Hz
- UL/CUL rated for applications up to 190° F
- Max Lift: 25' with 108gph @ 1' flow rate

Model No.	Voltage	Shut-Off Feet	Tank Capacity	Gallons Per Hour				
				1 Ft.	5 Ft.	10 Ft.	15 Ft.	20 Ft.
CB251ULHT	115	20	1 Gal.	108	100	84	65	40

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	95575	CB251ULHT 115V PUMP	

Honeywell Lyric™ WiFi Water Leak and Freeze Detector*

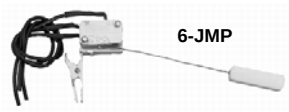


- Notifies homeowner of potentially damaging water leaks or freezing temperatures with a smart phone message via Lyric app or with audible alarm at the site.
- Extra cable sensors can be linked to cover up to 500 ft with one leak detector.
- Place near sinks, washers, water heaters, sump pumps, etc.
- Communicates via WiFi so no extra hub or hardware required; homeowners stay connected via the Lyric app. (iOS 8+ or Android 4.4+)
- Temperature Alert: Preset at < 45° F and >100° F (Can be adjusted by end user)
- Humidity Alert: Preset at < 20% RH or >70% RH (Can be adjusted by end user)
- 4 ft water sensing cable included.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	73422	CHW3610W1001/U LYRIC WATER LEAK DETECTOR AND SENSOR	
24	EA	73423	CHWES41013/U ACCESSORY CABLE SENSOR FOR LYRIC WATER LEAK DETECTOR	

**** Part of Honeywell's Lyric connected platform. See page 7-4 for the Lyric Round WiFi thermostat.***

DIVERSITECH Drain Pan Switches





6-JMP A/C Condensate Float Switch

Designed for use in condensate drain pans to prevent overflow. Easily installed on the side of the auxilliary drain pan. SPDT normally Open or normally Closed.

CC-1 Condensate Cop™ Drain Pan Float Switch

The universal CC-1 can be placed anywhere on the pan. It can also be used on other secondary drain pans.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68925	6-JMP COND FLOAT SWITCH	
12	EA	88860	CC-1 CONDENSATE COP DRAIN PAN SWTCH	

DIVERSITECH SOS-1 Safety Overflow Switch



Designed for use on 3/4" PVC condensate drain line. The SOS snaps easily over existing drain line tubing and can be glued in place using PVC cement. It can detect a possible overflow condition when the PVC drain line becomes full with water.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88861	SOS-1 SAFETY OVERFLOW SWITCH	

DIVERSITECH WS-1 Wet Switch Flood Detector



As few as one or two drops will cause a Wet Switch to turn off a unit, thereby alerting a service technicianto that a moisture problem exists. Connects to 24 Vac. More than one unit may be connected to a system.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68926	WS-1 WET SWITCH FLOOD DETECTOR	

RECTORSEAL Safe-T-Switches



SS1



SS2



SS3

SS1

- Inline, low voltage condensate overflow shutoff switch.
- Installs vertically or horizontally in primary drain or can be plugged on auxilliary pans.
- Pre-wired with 4-foot, 18 AWG wires.

SS2

- Smaller, L-shaped switch installs on auxillary pan cutlets and requires no plug.
- Installs easily in tight spaces and catches clogs in primary pan outlet nipples.
- Pre-wired with 4-foot 18 AWG wires.

SS3

- For installation on safety drain pans.
- Features a special metal clip for quick secure installation on pan rims.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	EA	89851	SS1 97632 SAFE-T-SWITCH-TEE	
24	EA	89852	SS2 97637 SAFE-T-SWITCH-ELBOW	
24	EA	89853	SS3 97647 SAFE-T-SWITCH	

Drain Pans and Fittings



High Rise Drain Pan



Plastic Drain Pan



Aluminum Drain Pan



6-1 and 6-2

Plastic Drain Pans

Pans include attached 3/4" PVC fittings, rolled edges, ribbed bottom, and reinforced corners for strength and durability.

- L models have drain line outlets in the long side.
- S models have drain line outlets in the short side.

High Rise Drain Pans

The High Rise Pan is an innovative new plastic drain pan design that allows placement of an air handler 2-3/4" above the outside lip of the pan without the need for separate, cumbersome mounting blocks. The pan has a molded-in network of risers to give a 5" lift.

Aluminum Water Heater Drain Pan

Aluminum water heater pans can be installed under gas or electric water heaters to protect from water damage. Includes a 1" PVC drain fitting to allow for connection to indirect drain.

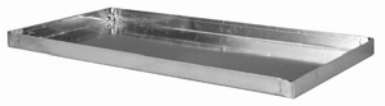
Drain Pans

Bottom Dimension (In.)	Overal Dimension (In.)	Depth (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
30 x 60	32 x 62	2	5	EA	68920	6-3060L 30X60IN PLASTIC DRAIN PAN	
30 x 50	32 x 52	2	5	EA	68921	6-3050L 30X50IN PLASTIC DRAIN PAN	
30 x 30	32 x 32	2	5	EA	68922	6-3030L 30X30IN PLASTIC DRAIN PAN	
27 x 48	29 x 50	2	5	EA	68923	6-2748L 27X48IN PLASTIC DRAIN PAN	
30 x 50	32 x 52	2	5	EA	68924	6-3050S 30X50IN PLASTIC DRAIN PAN	
30 x 50	32 x 52	5	5	EA	88862	6-HK3050 30X50 HIGH RISE DRAIN PAN	
30 x 60	32 x 62	5	5	EA	88863	6-HK3060 30X60 HIGH RISE DRAIN PAN	
—	22 Dia.	2.5	6	EA	68919	6-M24 24IN ALUM WATER HEATER PAN	

Drain Pan Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	54008	6-1 3/4IN DRAIN PAN FITTING (SLIP	
50	EA	54009	6-2 1IN DRAIN PAN FITTING (SLIP)	

Drain Pans



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	16580	16 X 31 GALVANIZED PAN	
2	EA	16581	19 X 31 GALVANIZED PAN	
2	EA	16582	24 X 31 GALVANIZED PAN	
2	EA	16583	26 X 31 GALVANIZED PAN	
2	EA	16584	30 X 60 GALVANIZED PAN	

CS Condensate Drain Switches

- Easy installation on primary or auxiliary drain plugs
- Switch easily accessible for service
- Installs easily in tight spaces and catches clogs in primary pan outlet nipples.
- Connects to either red or yellow wire.
- UL listed.


CS-1


CS-2


CS-3

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	89848	CS-1 CONDENSATE SWITCH - TEE	
10	EA	63312	CS-2 CONDENSATE SWITCH - ELBOW	
10	EA	89849	CS-3 CONDENSATE SWITCH - CLIP	

DTK113 and DTK210 Drain Trap Kits

Clear PVC Traps with Multiple Cleanouts



Quick and easy to install, DTK kits contain all items needed for installation. Schedule 40 PVC fittings and water tight caps included.

DTK 113B: 3/4" U trap

DTK 210: 3/4" Standard with float switch.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	97797	DTK113B DRAIN TRAP KIT	
1	EA	97794	DTK210 DRAIN TRAP KIT	

MBK-6 Drain Kat Kit



Use nitrogen or CO2 to clear clogged drains or clean coils.

- 250 PSI adjustable regulator with internal bleed-down safety
- Dual inlet and outlet gauges
- 87" hose provides extra reach
- Weighs less than 7 lbs
- Universal cone included
- Refill at your truck or shop

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	97798	MBK-6 DRAIN KAT KIT	

A/C Easy Tees and Tool Kit

For Condensate Drain Line Cleaning


ST75

A/C Easy Tee

The easy tee is a simple, inexpensive way to clean condensate drain lines. It provides a port that is flexible and easy to use with nitrogen, water, or shop vac. Has no valve or moving parts that could fail.


ET75

Service Tool Kit

Includes angle tool, straight tool, and compressed gas adaptor tool.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	97796	ET75 3/4IN TEE W/SERVICE PORT	
6	PKG	97795	ST75 SERVICE TOOL KIT W/3 FTGS	

RECTORSEAL ClearTrap Condensate Trap



- 3/4" blow molded, clear trap kit
- Features dual cleanouts
- Flexible cleaning brush included
- 2-year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	89854	83114 EZT-113B 3/4IN CROSS TRAP KIT W/BRUSH	

RECTORSEAL Condensate Hose

Non-Insulated



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	61953	DH-16S 16MM 5/8IN 20FT STANDARD NON-INSULATED DRAIN HOSE	

MA-LINE Tubing



Aluminum Tubing

- ASTM B491
- 1435 alloy
- .035 wall thickness
- Temperature Range: -250° to 250° F

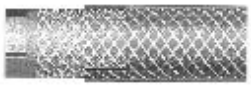


Neoprene Air Tubing

For use on furnaces, boilers, venter motors, air duct pressure switches and rooftop pressure differential switches.
Temperature Rating: -20° F to 212° F
Length: 60 inches long (5' roll)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	CL	54041	MA-AT14 1/4 OD 032 50FT ALUM TUBE		
10	CL	54042	MA-AT38 3/8 OD 035 50FT ALUM TUBE		
10	CL	54043	MA-AT12 1/2 OD 035 50FT ALUM TUBE		
1	RLL	54078	MA-SNAT316-5 3/16 IN ID SQUARE BLACK NEOPRENE TUBING		

MA-LINE Heavy Duty PVC Braided Hose



HDT12

- 1/2" ID x 50' roll
- 150 PSI working pressure
- 450 PSI burst pressure

HDT38

- 3/8" ID x 50' roll
- 200 PSI working pressure
- 600 PSI burst pressure

HDT58

- 5/8" ID x 50' roll
- 150 PSI working pressure
- 450 PSI burst pressure

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	RLL	54031	MA-HDT12 1/2IN X 50FT HEAVY DUTY PVC BRAIDED DRAIN TUBING		
1	RLL	54033	MA-HDT38 3/8ID X 50FT HEAVY DUTY PVC BRAIDED DRAIN TUBING		
1	RLL	54024	MA-HDT58 5/8ID X 50FT HEAVY DUTY PVC BRAIDED DRAIN TUBING		

Vinyl Drain Hose



- Clear tubing

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4 CTNS	PC-2 5 CTNS
1	PKG	41624	79131 (100FT) 1/4 ID VINYL HOSE		
1	PKG	41613	79132 (100FT) 5137 3/8 ID VINYL HOSE		
1	PKG	41614	79133 (100FT) 5150 1/2 ID VINYL HOSE		
1	PKG	41615	79134 (100FT) 5162 5/8 ID VINYL HOSE		
1	PKG	41612	79135 (100FT) 3/4 ID VINYL HOSE		

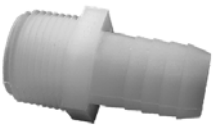
Corrugated Condensate Drain Line



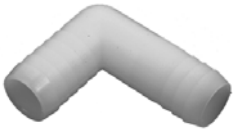
- Ivory
- Non-kink
- Ideal for ductless, mini-split systems

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4 CTNS	PC-2 5 CTNS
5	EA	61954	79127 5/8" X 20' CORRUGATED CONDENSATE DRAIN LINE		

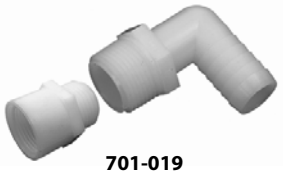
Drain Hose Fittings



701-012



701-018



701-019



701-020

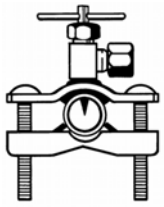


701-034

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	41578	701-012 3/8 BARB X 1/2 MPT ADAPTER 2/PKG	
1	PKG	41583	701-018 1/2IN BARB ELBOW 2/PKG	
1	PKG	41581	701-019 1/2 BARB X 3/4 FPT ELBOW 2/PKG	
1	PKG	41580	701-020 1/2 BARB X 3/4 MPT ELBOW 2/PKG	
1	PKG	41582	701-034 1/2IN BARB TEE 2/PKG	

Saddle Valve

Fits Copper Tubing from 3/8"



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	45730	STV2LL SADDLE TAP VALVE LOW LEAD	

LEGEND VALVE

T-595NL Angle Valve

1/4-Turn, Ball-Type, Chrome Supply Stops



- **No Lead (NL)model** is suitable for all State and pending U.S. Federal Public Law (111-380) potable water installations.
- 1/4 turn, self-cleaning ball valve design resists mineral and scale build-up.
- The ball-seat and dual O-ring stem seal out-perform multi-turn stop valves.
- Cold working pressure: 125 psi.
- Not suitable for steam service.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
5	EA	52710	114-614 NL T-595NL 5/8IN OD X 1/4IN OD ANGLE VALVE		

Linacoustic Duct Liner

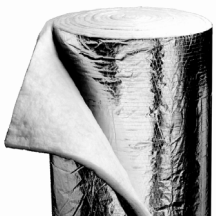


A flexible duct liner insulation made from strong, glass fibers bonded with a thermosetting resin. The airstream surface is protected with Johns Manville exclusive Reinforced Coating System, that combines a Permacote® acrylic coating with a flexible glass cloth reinforcement. Factory applied edge coating assures coverage of the leading edges per NAIMA/SMACNA requirements.

Linacoustic liner improves indoor building environment, is resistant to dust and dirt, resists microbial growth, and is GREENGUARD® certified.

Install R Value	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-4	PC-3 5
2.2	6	EA	40749	1/2X47X100 LINACOUSTIC RC LINER			
2.2	4	EA	40748	1/2X59X100 LINACOUSTIC RC LINER			
4.2	4	EA	40745	1X47X100 LINACOUSTIC RC LINER			
4.2	4	EA	40746	1X56-1/4X100 LINACOUSTIC LINER			
4.2	4	EA	40747	1X59X100 LINACOUSTIC RC LINER			
6.3	2	EA	40762	1 1/2X47X50 LINACOUSTIC RC LINER			
6.3	2	EA	40763	1 1/2X59X50 LINACOUSTIC RC LINER			
8.0	2	EA	40764	2X47X50 LINACOUSTIC RC LINER			
8.0	2	EA	40765	2X59X50 LINACOUSTIC RC LINER			

Duct Wrap

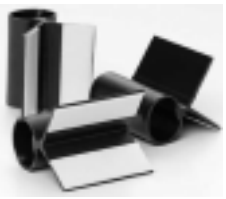


Microlite EQ Formaldehyde-free™ duct wrap insulation is a brown, lightweight, highly resilient, blanket-type thermal insulation. The insulation blanket is manufactured from rotary-process fiberglass bonded with a resin made primarily from rapidly renewable plant-based meterials.

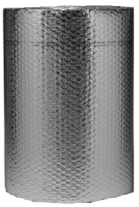
- FSK vapor barrier
- 2" stapling tab

Out of Pkg. R Value	Install R Value	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-4	PC-3 5
5.2	4.2	4	EA	40753	1-1/2X48X100 EQ DUCT WRAP			
6.9	5.6	4	EA	40754	2X48X75 EQ DUCT WRAP			
10.3	8.3	4	EA	40756	3X48X50 EQ DUCT WRAP			
7.5	6.0	4	EA	40757	2 1/5X48X75 EQ DUCT WRAP			

Reflectix® Duct Insulation



HVSPACER



HVBB48075

HVBB48075 Big Bubble Duct Insulation R-8.0

- Nominal 1" thick.
- Reflective on both outer surfaces with two layers of big bubbles in the center.
- For round or rectangular ductwork in HVAC systems.
- R-8.0 when installed with a 0.75" air gap between the duct and the insulation; R-6.0 when installed direct to the duct without a spacer.



HVBP48050

HVBP48050 Duct Insulation R-6.0

- Nominal 5/16" thick.
- Two layers of 96% reflective film bonded to two tough layers of polyethelene, two inner layers of insulating bubbles, then a center layer of polyethelene.
- For round or rectangular ductwork in HVAC systems.
- R-6.0 when installed with a 0.75" air gap between the duct and the insulation. Three spacer configurations create the required space.



HVST1605

HVST1605 Staple Tab Bubble Reflective Insulation

- 5/16" thick.
- Two 96% reflective layers of film bonded to two internal layers of heavy gauge polyethylene bubbles.
- For wall and floor systems.
- "Staple Tab Edge" provides ease of installation on 16" on-center applications

HVSPACER Hard Plastic Corner Spacers

- For use on rectangle ducts to create the required air spaces.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	RLL	41913	HVBB48075 4X75 FT R8 BIG BUBBLE DUCT INSULATION		
1	RLL	41911	HVBP48050 4X50 FT FOIL DUCT INSULATION		
1	CTN	41914	HVSPACER DUCT SPACERS F/R8 BIG BUBBLE		
1	BAG	41912	HVST1605003 16IN X 50FT FOIL DUCT INSUL 3 ROLLS/BAG		

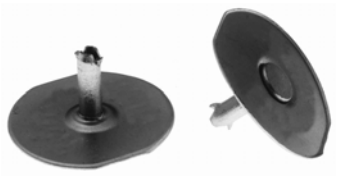
Mitee Foil™ Duct Insulation



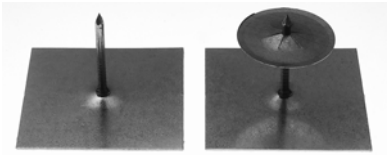
Mitee Foil is a double layer of polyethylene bubbles sandwiched between two highly reflective surfaces. This product has been specifically designed for insulating commercial and residential building assemblies, reducing the amount of radiant heat transfer.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	RLL	41895	R2R16X075T2 16IN X 75FT FOIL DUCT INSULATION		

HARDCAST Insulation Fasteners



Grip-Ons



Stik-Ons



Weld-Ons

Grip-Ons

Grip-On pins are made with nail tips that have a double claw that grabs more metal. The hardened tip penetrates sheet metal, yet is soft enough to bend at the right moment of impact with an underlying harder surface. The points will not shatter.

Stik-Ons

Stik-Ons are 14-gauge steel insulation pins that are permanently staked through 2" x 2" galvanized steel base plates. A pressure-sensitive adhesive backing provides a permanent bond between the Stik-Ons and ductwork. Clips included. Use to hold all low- and medium-density insulation and insulation board where the temperature will not exceed 180° F (82° C).

Weld-Ons

Weld-ons are manufactured from a special carbon alloy steel, the point of the welding pin is hardened in a unique cold form process. This hardens the points, giving them a steel temper, which, unlike other welding pins, will not blunt or flatten when applied. The sharper point of contact results in a better weld and creates fewer sparks that ignite adhesives or burn substrates. Weld-ons are easily applied using any conventional portable or automatic resistance welding unit.

Grip-Ons Insulation Hammer and Fasteners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	BOX	48085	308239 1/2" GRIP-ONS 1,000 (GOT-50)	—
1	CTN	42052	308233 GRIP-ONS 1/2" 5000 (GOB-50)	—
1	BOX	42086	308235 1" GRIP-ONS LD 1,000 (GOT-100LD)	—
1	CTN	42082	308229 1" GRIP-ONS LD 5,000 (GOB-100LD)	—
1	EA	42085	309845 KWIKI LOCKING EXTENSION	—

Stik-Ons Insulation Fasteners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-3	PC-2 4
1	BOX	42055	308162 STIK-ONS 1 1/4" 100	—	—
1	BOX	42056	308164 STIK-ONS 2" 100	—	—

Weld-Ons Insulation Fasteners with Cup Style Washer

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	BOX	42076	308111 1/2" WELD-ONS CUP 1,000 (DWT-50)	—	—
1	BOX	42077	308119 1/2" WELD-ONS CUP 5,000 (DWB-50)	—	—

Weld-Ons Insulation Fasteners with Flat Style Washer

1	BOX	42074	308141 1/2" WELD-ONS FLAT 5,000 (FWB-50)	—	—
1	BOX	42075	308142 3/4" WELD-0NS FLAT 5,000 (FWB-75)	—	—
1	BOX	42073	308136 1" WELD-ONS FLAT 1,000 (FWT-100)	—	—
1	BOX	42078	308143 1" WELD-ONS FLAT 5,000 (FWB-100)	—	—

Spot-Ons Insulation Fasteners

Pins and Clips



Spot-Ons and clips are a convenient and proven method for fastening insulation blanket or board to sheet metal. Spot-Ons are ring-shanked pins, made of 14-gauge low carbon steel, annealed and zinc-plated. Apply using any portable or stationary resistance welding unit with hollow magnetic tip.

Available in four lengths, Spot-Ons can accomodate up to 1/2"–2-1/2" thick insulation.

Clips, sold separately, are easy to install over the pin tip. They will hold any board or blanket insulation in place.

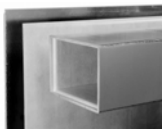
Spot-Ons Insulation Fastener Clips

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	BOX	42079	308325 SPOT-ONS CLIPS 1,000 (DCT-100)		
1	BOX	42069	308327 SPOT-ON CLIPS 5,000 (DCB-100)		

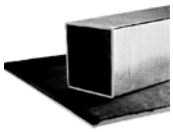
Spot-Ons Insulation Fastener Pins

1	BOX	42070	308103 3/4" SPOT-ONS PINS 1,000 (DST-75)		
1	BOX	42080	308105 1 1/4" SPOT-ONS PINS 1,000 (DST-125)		
1	BOX	42071	308107 2" SPOT-ONS PINS 1,000 (DST-200)		
1	BOX	42072	308109 2 1/2" SPOT-ONS PINS 1,000 (DST-250)		

Duct Board



Micro-Aire



SuperDuct

Micro-Aire®

Mat-faced Micro-Aire duct board is produced from durable glass fibers bonded with a thermosetting resin. The airstream side features a fiber glass mat for use at velocities up to 5,000 fpm (25.4 m/sec). The opposite side features a fire-resistant Foil-Scrim-Kraft facing extending the full width of the male edge to serve as an integral closure flap for section joints.

- Double airstream surface
- Quiet operaton
- Will not support microbial growth

SuperDuct® RC

SuperDuct RC air duct board is made from strong, resilient glass fibers bonded with a thermosetting resin. Male/female joints are factory made on the transverse edges of each board. A tough FSK (foil-scrim-kraft) facing is laminated to the exterior surface of the board. Resistant to dust and dirt

- Will not support microbial growth
- Quiet operation
- Better temperature control
- Extended performance parameters
- SMACNA leakage class 6

Micro-Aire

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 1-4 CTNS	PC-3 5 CTNS
8	SHT	40733	1X48X96 MICRO-AIRE DUCTBOARD			
6	SHT	40734	1X48X120 MICRO-AIRE DUCT BOARD			
1	PLT	40735	1X48X120 PALLET MICRO-AIRE BRD (44 SHT)			
4	SHT	40766	1 1/2X48X120 MICRO-AIRE DUCTBOARD			
1	PLT	40771	1 1/2X48X120 PALLET MICRO-AIRE BRD (30 SHT)			
3	SHT	40767	2X48X120 MICRO-AIRE DUCTBOARD			

SuperDuct RC

4.3	6	SHT	40736	1X48X120 SUPERDUCT RC			
6.5	4	SHT	40768	1 1/2X48X120 SUPERDUCT RC			
8.7	2	EA	40763	1 1/2X59X50 LINACOUSTIC RC LINER			

Millboard



For fire-stop or shield around heating equipment, wall board, gaskets, washers, electrical devices, ovens, and fire doors.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	42118	19154 1/4"X39.4"X39.4" 6MM MINERAL FIBER MILLBOARD	

Fab Guard Flexible Duct Connector



- Fab Guard is designed to protect the fabric during fabrication operations
- Available in extra wide 4" fabric to allow more flexibility in all installations
- Packaged in the open position to facilitate scribing as the roll gets pulled out of its packaging
- Available exclusively in 28-gauge in black vinyl fabric

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	42041	307865 2-4-2 28G 100' CONN RSDL FAB FLT BLK		

Hypalon Flexible Duct Connectors



Hypalon is the preferred material for outdoor applications such as connections to rooftop units where they may be in direct strong sunlight. It is unaffected by ozone and can be used near electrostatic air cleaners with complete confidence. It is more abrasion-resistant than Neoprene and has a slightly wider operating temperature range. Hypalon resists a wide range of chemicals.

- Waterproof and airtight
- Off-white in color
- Highly resistant to ozone and sunlight
- Can be used indoors and outdoors
- Wider operating temperature range
- Superior aging characteristics

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	42044	307831 3-3-3 24G 100' CONN CML HYP CLS WHT		
1	EA	42045	307905 3-6-3 24G 100' CONN SUPER HYP CLS WHT		

Vinyl-Flex Flexible Duct Connectors



Vinyl-Flex is a polyvinyl chloride-coated polyester woven fabric with tremendous tear resistance. It can be used on both supply and return air ducts in most HVAC applications where an economical flexible connection is required and can be used in damp locations because it can resist bacterial attack.

- Low cost
- Leak proof
- Wide temperature range
- Good abrasion resistance
- Resistant to moisture and mildew
- Used in heating and cooling applications

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	42042	307851 3-3-3 24G 100' CONN CML VNLFLX CLS BLK		
1	EA	42043	307899 2-3-2 28G 100' CONN RSDL VNLFLX CLS BLK		
1	EA	42040	307914 3-6-3 24G 100' CONN SUPER VNLFLX CLS BLK		
1	EA	42046	307881 3-3-3 28G 100' CONN LT-CML VNLFLX CLS BLK		

Para-Link Parallel Blade

Damper Bracket Assembly



Set Includes:

- (1) Para-Link bracket medium 1/4"
- (2) Strap and set screw square head
- (2) Flanged bearing bronze 1/2" oil impregnated
- (2) Bearing pin 1/2" x 2-1/2"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
100	EA	42049	307927 PARA-LINK SET PARALLEL BLADE	

Dyn-O-Rail Vane Rail



- Sturdy 23-gauge steel embossed for stiffness design
- Use with single or hollow vanes—up to 16-gauge steel
- Relief holes in slots support vanes during assembly
- Beveled edges remain straight for better contact

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	42047	308089 2 1/4X100' DYN-O-RAIL JR RDSL	
1	EA	42048	308088 4 X 100' DYN-O-RAIL CML	

Hollow Vane and Push-On Rail





- Exclusive snaplock connection
- Eliminates peening and welding
- Extremely strong assembly

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
100	FT	42089	317321 2" X 10' HOLLOW VANE JR	
100	FT	42090	317322 2" X 10' PUSH-ON RAIL JR	

Dial-A-Matic Commercial Damper Regulators



- Heavy-gauge dial and handle
- 1/4" and 3/8" dial for round or rectangular duct application
- 1/4" dial regulator sets for use with dampers up to 10" x 10"
- 3/8" dial regulator sets for use with dampers up to 20" x 20"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	BOX	42064	308004 1/4" LONG DIAL-A-MATIC SET		
1	EA	42051	308005 3/8" DIAL-A-MATIC SET		
100	EA	42063	308006 3/8" LONG DIAL-A-MATIC SET		

Dyn-A-Quad Commercial Damper Regulators



308024



308043

Features

- Clamping action minimizes rattle
- For use with dampers up to 30" x 30"
- 12 gauge steel handle with offset firmly clamps bearings and ensures non-slippage

308024 Includes

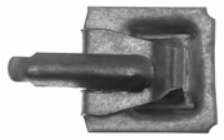
- Dyn-A-Quad single shear (1/2"), Square end bearing (1/2"), and spring slide bearing (1/2)

308043 Includes

- Backup neoprene gasket

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	42054	308043 1/2" DYN-A-QUAD CLAMPMATIC ROUND	
50	EA	42050	308024 1/2" DYN-A-QUAD REG. SET	

Kwiki Residential Damper Regulators



The Kwiki line of bright, zinc-plated residential regulators are designed to allow easy installation onto any factory-made residential-quality blade. The spring in the spring-loaded bearing will never bind or interfere with the blade. The KB-1 (spring-loaded bearing) will perforate the metal with ease every time. A special handle can also be used on both ends simply by flipping it from one end to the other. For use with dampers up to 10" x 10".

307961 Includes:

Kwiki regulator (KH-1)
Kwiki retracting bearing 100 (KB-1)

307963 Includes:

Kwiki retracting bearing 100 (KB-1)
Kwiki handle 100
Kwiki wingnut 100
Kwiki washer steel 100
Kwiki gasket retracting bearing 100

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	PKG	42060	307963 KWIKI RGLTR (KH-1) 10/PKG		
10	PKG	42061	307961 KWIKI SET (KHS-1) 10/PKG		
100	EA	42065	307974 KWIKI WSHR STEEL (3012-100)		
100	EA	42066	307968 KWIKI HANDLE (3011-100)		
100	EA	42067	307970 KWIKI WINGNUT (3013-100)		
100	EA	42068	307964 KWIKI RETRACTING BRNG		

Steel Metal Screws

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	CTN	42057	308191 #8 X 1/2" TECHS HEX HEAD 1000-PK	

Zip-In® Self-Drilling, Tapping Screws



Oval Head Zip-in Screws



Zip-in Register Screws

A unique thread design and quality controlled manufacturing process spell the Zip-In difference. Zip-In's sophisticated heat treat process allows the screw to taper to a fine, sharp point without sacrificing critical point strength. A single starting thread is machined down to the very tip of the point and is the source of Zip-In's penetrating power. A second thread above the point engages after initial penetration and moves the screw in double fast. Zip-In screws are faster driving, with a greater capacity for fastening heavier gauges of sheet metal than any other self-drilling type.

100 Packs

Head Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1/4	1	BOX	42827	HW6X3/8Z 100-PAK 1/4 HEAD SIZE DRILL SCREW		
1/4	1	BOX	42828	HW7X1/2ZX 100-PAK 1/4 HEAD SIZE DRILL SCREW		
1/4	1	BOX	42829	HW8X1/2ZX 100-PAK 1/4 HEAD SIZE DRILL SCREW		
1/4	1	BOX	42836	HW8X1ZX 100-PAK 1/4 HEAD SIZE ZIP-IN SCREWS		
1/4	1	BOX	42830	HW10X1/2ZX 100-PAK 1/4 HEAD SIZE DRILL SCREW		
1/4	1	BOX	42831	HW10X3/4ZX 100-PAK 1/4 HEAD SIZE DRILL SCREW		

250 Packs

Head Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1/4	1	BOX	42840	HW8X1 1/2ZWT 250-PAK 1/4 HEAD SIZE WHITE DRILL SCREW		
1/4	1	BOX	42841	HW8X2ZWT 250-PAK 1/4 HEAD SIZE WHITE DRILL SCREW		
1/4	1	BOX	42845	PO8X2ZWT 250-PAK 1/4 HEAD SIZE WHITE SCREW		

500 Pack

Head Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1/4	1	BOX	42837	HW8X1ZT 500-PAK 1/4 HEAD SIZE ZIP-IN SCREWS		

1,000 Packs

Head Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1/4	1	BOX	42858	HW6X3/8ZT M PAK 1/4 HEAD SIZE DRILL SCREW		
1/4	1	BOX	42859	HW7X1/2ZT M PAK 1/4 HEAD SIZE DRILL SCREW		
1/4	1	BOX	42860	HW8X1/2ZT M PAK 1/4 HEAD SIZE DRILL SCREW		
1/4	1	BOX	42867	HW8X3/4ZT M PAK 1/4 HEAD SIZE DRILL SCREW		
1/4	1	BOX	42862	HW10X1/2ZT M PAK 1/4 HEAD SIZE DRILL SCREW		
1/4	1	BOX	42868	HW10X3/4ZT M PAK 1/4 HEAD SIZE DRILL SCREW		

Bulk Packs

Head Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 CTN
1/4	1	CTN	42821	HW7X1/2Z 15M PAK 1/4 HEAD SIZE DRILL SCREW	
1/4	1	CTN	42822	HW8X1/2Z 12M PAK 1/4 HEAD SIZE DRILL SCREW	
1/4	1	CTN	42825	HW8X1Z 7M PAK 1/4 HEAD SIZE ZIP-IN SCREWS	
1/4	1	CTN	42823	HW10X1/2Z 10M PAK 1/4 HEAD SIZE DRILL SCREW	
1/4	1	CTN	42824	HW10X3/4Z 8M PAK 1/4 HEAD SIZE DRILL SCREW	

Bucket Packs

Head Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/4	1	EA	42833	HW7X1/2ZP 7,500 1/4 HEAD SIZE ZIP-IN SCREWS PAILS	
1/4	1	EA	42834	HW8X1/2ZP 7M 1/4 HEAD SIZE ZIP-IN SCREWS PAILS	
1/4	1	EA	42835	HW8X3/4ZP 5M 1/4 HEAD SIZE ZIP-IN SCREWS PAILS	

Bit-Tip® Drill & Tap Screws



Bit-Tip drill and tap screws drill their own hole, which produces the optimum hole size, resulting in better thread engagement and a tighter fit. One operation fastening also means no alignment problems.

Point Size	Screw Size	Head Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
2	8 - 18 x 1/2	1/4	1	BOX	42930	BT131T 8-18X1/2 1/4 HEAD SIZE M-PAK BIT TIP SCREW		
2	8 - 18 x 3/4	1/4	1	BOX	42932	BT133T 8-18X3/4 1/4 HEAD SIZE 500-PAK BIT TIP SCREW		
2	8 - 18 x 3/4	1/4	1	CTN	42933	BT133 8-18X3/4 1/4 HEAD SIZE BIT-TIP SCREW 10M BULK		
2	10 - 16 x 3/4	5/16	1	BOX	42936	BT143T 10-16X3/4 5/16 HEAD SIZE BIT TIP SCREW 500-PAK		
2	10 - 16 x 3/4	5/16	1	CTN	42937	BT143 7M 5/19 HEAD SIZE BIT-TIP SCREW		

Riveters



2-In-1



CR18

2-In-1

One hand operation with normal squeezing action provides enough pulling power to set all popular size rivets. 2-in-1 adjustment features a single long stroke for most hand riveting applications and a short "ratchet action" power stroke for setting larger diameter rivets.

Professional slim nose allows the 2-in-1 to go where other hand riveters cannot. Ideal for reaching into corners and recessed areas. Three nosepieces (1/8, 5/32 and 3/16") are included with tool.

CR18

Lightweight, compact size, and slim nose projection allows the CR18 riveter to go wherever the work is. Four rivet nosepieces (3/32, 1/8, 5/32, 3/16") store in handle. Ideally suited for blind riveting applications in aluminum windows, gutter, and downspout. Not for use with 5/32" or 3/16" steel rivets.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	47143	2 IN 1 MALCO HAND RIVETER	
3	EA	47140	CR18 MALCO HAND RIVETER	

Pop Rivets



The type and thickness of material in the joint to be riveted are major considerations when selecting the proper rivet. It is usually possible and advantageous to select a rivet material similiar to the material of the sections being fastened. The total joint thickness determines the rivet length. The joint strength required determines the rivet diameter.

Nomenclature

A	S	4	2	D
Rivet Material	**Stem Material**	**Rivet Diameter**	**Maximum Grip**	**Type of Head**
A=Aluminum S=Carbon Steel M=Monel SS=Stainless Steel C=Copper	A=Aluminum S=Carbon Steel SS=Stainless Steel	in 32nds of an inch	in 16ths of an inch	D=Dome Head L=Countersunk Head LF=Large Flange Head

Old USM Number	Dia. (In.)	Grip	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
AD-42-ABS	1/8	.063-.125	1	BOX	47151	AA-42-DT M PAK RIVET		
AD-44-ABS	1/8	.188-.250	1	BOX	47152	AA-44-DT M PAK RIVET		
CD-42-BS	1/8	.063-.125	1	BOX	47166	CS-42-DX 100 PAK RIVET		
SS-42-D	1/8	.063-.125	1	BOX	47169	SS-42-DT M PAK RIVET		
SD-43-BS	1/8	.126-.187	1	BOX	47170	SS-43-DT M PAK RIVET		
SD-44-BS	1/8	.188-.250	1	BOX	47171	SS-44-DT M PAK RIVET		
SD-46-BS	1/8	.313-.375	1	BOX	47172	SS-46-DT M PAK RIVET		
SSD-42-SSBS	1/8	.063-.125	1	BOX	47228	SS/SS-42-DT M PAK RIVET		
SSD-44-SSBS	1/8	.188-.250	1	BOX	47229	SS/SS-44-DT M PAK RIVET		

Anchor Kits



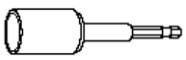
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	KIT	46465	80174 / 6608 3/8" ANCHOR KIT WITH 5/16" MASONRY DRILL BIT	
5	KIT	46467	80168 / 6607 3/16" ANCHOR KIT	

Galvanized Mechanic's Wire



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
16	EA	48037	710-185G 5 LB 18 GA GALV MECH WIRE	

ELCO TEXTRON Hanger Mate® Threaded Rod Anchoring System



ZE215

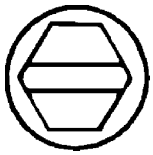


EZG650

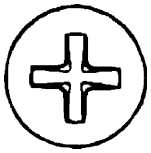
- Use the Elco Hanger System to attach threaded rod and components to metal, masonry, or wood.
- Faster than beam clamps.
- No more predrilling metal or wood.
- Eliminates pounding or setting of unthreaded anchors into masonry.
- Easier to install than powder-actuated stud pin and coupling nut assemblies.
- Replaces coach screws, hanger bolts, swing connectors, and ceiling flanges.
- Eliminates multiple fastening forms.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
6	EA	40045	ZE215 INSTALLATION TOOL F/STEEL OR WOOD		
6	BOX	40088	EZG650 50 PAK 5/16-14X2-1/4 3/8-16 ROD END DRILLED WOOD HANGERMATE		

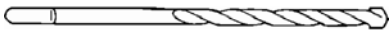
ELCO TEXTRON Tapcon® Fasteners



Slotted Hex Washer Head



Phillips Flat Head



Carbide-tipped Drill Bit

Use the Tapcon system to replace expansion anchors, powder-actuated fasteners, and plugs and screws. Tapcon is designed as a masonry fastening system and will perform properly only when all elements of the system are used. (Tapcon fasteners, Condrive® installation tools, and Elco carbide-tipped masonry drills).

The condrive 1000 is a dual purpose tool that allows you to both drill the hole and drive the fastener. The Condrive tool fits the chucks of standard hammer drills. The Condrive 1000 is a 2-step, multi-purpose tool designed to be used with all sizes and styles of fasteners.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
5	EA	40330	LP100 CONDRIVE 1000		
6	BOX	40300	LE300 3/16 X 1 1/4 SLOTTED HEX MASONRY 100PK		
10	BOX	40307	LE405 1/4 X 1 1/4 SLOTTED HEX MASONRY 100PK		
10	BOX	40308	LE415 1/4 X 1 3/4 SLOTTED HEX MASONRY 100PK		
10	EA	40335	LT405 3/16 X 3 1/2 CARBIDE TIPPED DRILL BIT		
6	BOX	40309	LE425 1/4 X 2 1/4 SLOTTED HEX MASONRY 100PK		
10	EA	40336	LT415 3/16 X 4 1/2 CARBIDE TIPPED DRILL BIT		

Q-BAND Flexible Duct Band

Cut to Length



Wrap around duct and insert other end of band in the pull through side and tool tighten with Q-Gun. Reusable. Simply lift pawl to release band. Insert either end of Q-Band into self-locking starter side of Q-Clip.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
40	BOX	44620	QB-100 1/2" 100' Q-BAND	
100	PKG	44622	Q-CLIP 25/PKG	
6	EA	44624	Q-GUN	

Wire Ties



Natural Cable Ties

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	94658	86104 6 INCH NATURAL STANDARD TIE 100/PKG	
1	PKG	94652	86106 8 INCH NATURAL STANDARD TIE 100/PKG	
1	PKG	94654	86114 8 INCH NATURAL MOUNTING TIE 100/PKG	
1	PKG	94659	86110 14 INCH NATURAL STANDARD TIE 100/PKG	
1	PKG	94655	86127 24 INCH NATURAL DUCT STRAP 50/PKG	
1	PKG	94648	86128 36 INCH DUCT STRAP 50/PKG	
1	PKG	94651	86129 48 INCH DUCT STRAP 50/PKG	

Black Cable Ties

1	PKG	94656	86105 6 INCH BLACK STANDARD TIE 100/PKG	
1	PKG	94649	86107 8 INCH BLACK STANDARD TIE 100/PKG	
1	PKG	94650	86111 14 INCH BLACK STANDARD TIE 100/PKG	
1	PKG	94657	86102 24 INCH BLACK DUCT STRAP 50/PKG	
1	PKG	94653	86103 36 INCH BLACK DUCT STRAP 50/PKG	

Clamp Tools



TY4G



TY6

The **TY4G** manual cut-off tensioning tool features a unique notched gripper. Includes gray vinyl cushion grips. Works on all ties including thin designs. The **TY6** adjustable, high leverage tensioning tool with automatic cut-off is designed for a heavy user of nylon ties. Works on all ties including thin designs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	42950	TY4G MANUAL CUT-OFF TIE TOOL/GRIP'D	
3	EA	42951	TY6 HIGH LEVERAGE TIE TOOL	

Cable Shears



- Heavy duty tempered steel blades
- Unique triangular jaws cleanly cut cable without compression or frayed ends

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83668	63016 HEAVY DUTY CABLE SHEARS	

Gripple® Duct Hanger



- Gripple's time saving qualities reduce installation by up to 6 times compared to threaded rod, chain or hanger strap.
- Gripple hangers provide the advantages of maximum speed, efficiency and safety.
- Gripple's lightness is a major safety improvement in reducing accident risk in aerial situations caused by falling materials.
- Gripple hangers are far less invasive than threaded rod and enhance the aesthetics of your installations.

317297
Grade AISI zinc galvanized cable. 1/8" diameter for use with No. 3 Gripple fastener only. 7 x 7 cable construction. SWL max 200 lbs.

317296
No. 3 Gripple fastener for use with no. 3 Gripple wire cable, SWL max 200 lbs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	PKG	42058	317296 1/8" ROPE GRIP (10-PKG)	
1	EA	42059	317297 1/8" METAL ROPE 500FT SPOOL	
10	EA	42087	317302 KEY WITH BELT CLIP	

Wire Pipe Hook

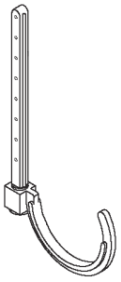
For 1-1/4 inch OD or smaller pipe or tubing.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	EA	13385	PWS-9 GA. 1X6 PLAIN WIRE PIPE HOOK		

Swivel Hangers

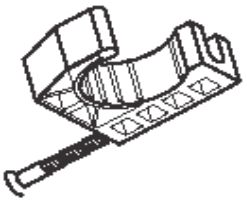
- Swivel saddle holds PVC and DVWpipe securely, yet allows for expansion and contraction
- Made of white ABS plastic
- 360° rotating feature allows pipe to hang at any angle
- Nails holes (1" apart) serve as drop markers



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	13380	SH-2 2 IN SWIVEL HANGER		
25	EA	13381	SH-3 3 IN SWIVEL HANGER		

Pipe Clamps

- Half plastic
- Pre-loaded ringed shank nail
- Install clamps in alternating directions to ensure secure piping installation



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	13389	BHS-2P-5 3/4 (100/PAK) PLASTIC HALF STRAP W/NAIL	
1	PKG	13390	BHS-3P-5 1 (50/PAK) PLASTIC HALF STRAP W/NAIL	

Cush-A-Clamp Pipe Strap



Assembly consists of Goldguard finish steel clamp with controlled squeeze shoulder bolt with locknut and modified thermoplastic elastomer cushion. Secure pipes, tubes, and hoses for fluid conductors with the Cooper B-Line Cush-A-Clamp system.

Installation is easy and requires no more time than a simple pipe clamp installation. The cushion absorbs the shocks and associated vibrations from fluid surges in tubes, pipes, and hoses. It can handle temperatures from 300° F down to -30° F. Cushions are available in sizes from 1/4" to 4-1/8".

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	96025	BVT037 / A716 3/8 OD CUSH-A-CLAMP		
25	EA	96026	BVT050 / A716 1/2 OD CUSH-A-CLAMP		
25	EA	96027	BVT062 / A716 5/8 OD CUSH-A-CLAMP		
25	EA	96028	BVT075 / A716 3/4 OD CUSH-A-CLAMP		
25	EA	96029	BVT087 / A716 7/8 OD CUSH-A-CLAMP		
25	EA	96030	BVT112 / A716 1-1/8OD CUSH-A-CLAMP		
10	EA	96031	BVT137 / A716 1-3/8OD CUSH-A-CLAMP		
10	EA	96032	BVT162 / A716 1-5/8OD CUSH-A-CLAMP		
10	EA	96033	BVT212 / A716 2-1/8OD CUSH-A-CLAMP		
10	EA	96034	BVT262 / A716 2-5/8OD CUSH-A-CLAMP		
10	EA	96035	BVT312 / A716 3-1/8OD CUSH-A-CLAMP		

Dura-Blok™ Rooftop Support System



DB5, DB10



DBM

Features

- Reflective stip on both sides allow for easy product visibility on DBP, DB10, and DBE10-12
- 1" gap between blocks allows water to flow freely around longer assemblies
- Extends roof life
- Dampens vibrations
- No need for supplemental rubber pad
- Will not float
- Made from 100% recycled rubber

Applications

- Pipe supports
- HVAC supports
- Roof walkway supports
- Duct supports
- Conduit supports
- Cable Tray Supports

Dimensions (W x L x H) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6 x 4.8 x 4	1	EA	96162	DBM DURABLOK 200 LBS CAPACITY ROOF TOP SUPPORT	
6 x 4.8 x 5	1	EA	96163	DB5 DURABLOK 200 LBS CAPACITY ROOF TOP SUPPORT W/CHANNEL	
6 x 9.6 x 4	1	EA	96164	DBP-DURABLOK 500 LBS CAPACITY ROOF TOP SUPPORT	
6 x 9.6 x 5	1	EA	96165	DB10 500 LBS CAPACITY ROOF TOP SUPPORT W/CHANNEL	
6 x 9.35 x 5-1/2 - 12	1	EA	96166	DBE 10-12 200 LBS CAPACITY ROOF TOP SUPPORT W/ELEVATED CH	

Strut Channel

Threaded Rod, Pipe Clamps, and Fittings



Strut Channel

12 and 14 Gauge Strut Channel

This strut channel has a green green powder coating that is applied through an electrostatic spray process after fabrication. The powder is oven baked, creating a chemical bond and thick layer of polyurethane coating. This coating provides a quality appearnace and excellent durability from corrosive environments.



Pipe Clamps



Threaded Rod

Strut Channel, 12 and 14 Gauge

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	42977	70450 10FT 12 GA 1-5/8X1-5/8 HALF SLOT CHANNEL GREEN	
50	EA	42980	70451 10FT 14 GA 1-5/8 X 1-5/8 HALF SLOT CHANNEL GREEN	
50	EA	42978	70453 10FT 14 GA 13/16 X 1-5/8 HALF SLOT CHANNEL GREEN	
25	EA	42982	70452 20FT 12 GA 1-5/8X1-5/8 HALF SLOT CHANNEL GREEN	
25	EA	42983	70454 20FT 14 GA 1-5/8 X 1-5/8 HALF SLOT CHANNEL GREEN	
25	EA	42981	70455 20FT 14 GA 13/16 X 1-5/8 HALF SLOT CHANNEL GREEN	

Threaded Rod

25	EA	42979	70457 3/8IN X 6FT ZINC THREADED ROD	
25	EA	42976	70458 3/8IN X 10FT THREADED ROD	
10	EA	42984	70456 1/2IN X 6FT THREADED ROD	

Pipe Clamps

100	EA	43007	70440 1-1/8IN OD TUBING PIPE CLAMP	
100	EA	42999	70442 1-3/8IN OD TUBING PIPE CLAMP	
100	EA	43005	70438 1-5/8IN OD TUBING PIPE CLAMP	
50	EA	43004	70437 2-1/8IN OD TUBING PIPE CLAMP	
25	EA	43006	70439 2-3/8IN OD TUBING PIPE CLAMP	

Fittings

100	EA	42986	70405 3/8IN STANDARD HEX NUT	
100	EA	42992	70406 1/2IN HEX NUT 100/BOX	
100	EA	42987	70410 3/8IN FLAT STEEL WASHER	
100	EA	42990	70411 3/8IN SQUARE WASHER	
100	EA	42988	70415 3/8IN JR TOP BEAM C CLAMP	
100	EA	43001	70416 3/8IN CLAMP WITH LOCK NUT	
100	EA	42989	70420 3/8IN NYLON CONE NUT	
50	EA	42991	70425 3/8IN STANDARD ROD COUPLING	
100	EA	42994	70435 3/8IN X 1 EG HEX CAP SCREW	
100	EA	43009	70441 7/8IN OD TUBING PIPE CLAMP	
50	EA	43008	70449 90 DEG CORNER FITTING	
1	PKG	96109	79838 1/4-20 FOR 1/4 BOLT HEXAGON NUT 25/PK	

Pipe Straps and Pipe Hangers



Threaded Pipe Hanger

Conduit and Pipe Hangers

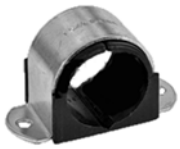
Supports EMT and rigid conduit or pipe.

Clevis Pipe Hangers

Supports non-insulated stationary lines, rigid/IMC conduit and pipe.



Clevis Pipe Hanger



Cushion Clamp

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
100	EA	42998	70447 3/8IN X 1/2IN THREADED PIPE HANGER		
100	EA	42997	70446 3/4IN THREADED PIPE HANGER		
100	EA	42996	70445 1 IN PIPE HANGER		
100	EA	43003	70448 1-1/4IN PIPE HANGER		
100	EA	42993	70430 1 IPS CLEVIS PIPE HANGER		
50	EA	42995	70432 1-1/2IPS CLEVIS PIPE HANGER		
100	EA	43000	70431 2IN BLACK IPS CLEVIS PIPE HANGER		
10	EA	43002	70436 1-5/8IN OD OMEGA CLAMP		

HARDCAST Duct Sealants



Flex Grip 550
Water based, flexible indoor/outdoor synthetic resin duct sealant. Accommodates minor vibration and movement. Apply with brush, putty knife, caulk gun, and pump. Gray.



Sure Grip 404
Solvent based indoor synthetic rubber duct sealant with exceptional strength, fast drying time, and superior flexibility. Apply with brush, putty knife, caulk gun, or trowel. Gray.



Versa-Grip 181
Premium grade, all-purpose duct sealant formetal duct, fiberglass duct board, duct fabric, and flex duct. Has fiber reinforcement for strength and UV inhibitors for outdoor use. White.

1 Gallon Buckets

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 2 CTNS
4	EA	42419	FG550 1 GAL IN/OUT WATER BASE DUCT SEALANT			
4	EA	42421	SG404 1 GAL SOLVENT BASE DUCT SEALANT			
4	EA	42432	304138 1 GAL VERSA GRIP 181 WATER BASED DUCT SEALANT			

Cartridges

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	42420	FG550 10.3OZ CTG IN-OUT WATER BASE DUCT SEALANT		
25	EA	42422	SG404 11 OZ CARTRIDGE SOLVENT BASE DUCT SEALANT		

HARDCAST Duct Liner Adhesives



Dyn-O-Tac II (304072)
A non-flammable, water-based insulation adhesive for coil line applications. Eliminates clogging within the adhesive delivery system, ensuring consistent operation. Apply with brush, roller, or spray. Use with mechanical fasterners. White.



Insta-Tack (308592)
Formerly Glas-Grip GG36SE solvent based insulation adhesive. A fast tacking, flammable (wet), self-extinguishing (dry), insulation adhesive. Apply with brush, roller, or spray. Red.



Coil-Tack (308582 & 308584)
Formerly Glas-Grip GG901. Water based, nonflammable insulation adhesive for coil line applications. Apply with roller, brush, or spray. Gray (wet), black (dry).



Roto-Tack (308574)
Mid-tack, high-yield water-based insulation adhesive. For mechanical roll coating systems that rapidly apply adhesive to insulation before bonding to sheet metal. Non-flammable.

1 Gallon

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
4	EA	42431	304072 1 GAL WATER BASE DUCT LINER ADHESIVE		

5 Gallons

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	42423	308592 5 GAL INSTA-TACK GG636 FAST TACK SOL BASE ADHESIVE		
1	EA	42427	308582/GG901 5 GAL COIL-TACK BLACK		
1	EA	42429	308574 ROTO-TACK CLEAR 5 GALLON WATER BASE INSULATION ADHESIVE		

50 Gallons

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	42430	308584/GG901 50 GAL COIL-TACK BLACK	

Aerosol Duct Insulation Adhesive

Travel-Tack



308602

Travel-Tack is a self-contained, instant-tacking, portable spray system engineered to deliver a web-spray pattern. Travel-Tack's portability, limited equipment clean-up, and low equipment cost make this adhesive ideal for shop or field use.
Application: 60 to 90° F. Surface must be dry and free of dirt, oil, and grease.



308599

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	42425	308602 40LB TRAVEL-TACK AEROSOL CYLINDER		
12	EA	42428	GG658 12OZ 308599 TRAVEL TACK SPRAY ADHESIVE		

Pipe Thread Compounds



Pipetite® Paste

Premium grade thread compound. For refrigerants, butane, propane, gasoline, oil, as well as water, steam, air, natural gas. U.L. listed.



T-O-T® Pipe Joint Compound



Teflon Thread Tape



Slic-tite® with Teflon

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	53984	95419 1/4 PT PIPETITE PASTE BIC		
24	EA	53985	95420 1/2 PT PIPETITE PASTE BIC		
24	EA	53972	95415 1/2 PT T-O-T PIPE COMPOUND BIC		
144	EA	53975	95410 1/2X520 LOW DEN TEFLON THREAD TAPE		
12	EA	53973	95530 3/4X300 SLICTITE TEFLON THREAD TAPE		
12	EA	53969	95407 SLIC-TITE TEFLON STIK		
24	EA	53968	95402 1/2 PT SLIC-TITE TEFLON PASTE BIC		

Megatape™ Thread Seal Tape

- PFTE plumbers tape
- Professional strength
- Approved for use with gas
- Seals threads on virtually any piping system
- Blends in for a professional finish
- UL Listed



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
120	EA	50837	150D0D MEGATAPE 1/2" X 260 GRAY PTFE TAPE		

Cutting Oil



30201 Clear Thread Cutting Oil

- Helps make sharp clean threads while extending the life of your dies.
- For hand thread cutting machines.
- Anti-mist and non-staining formula is not affected by weather.



30205 Dark Thread Cutting Oil

- For high speed cutting machines.
- A special mixture of sulfonated and chlorinated oils provides high film strength.
- Machines run cooler and die life extended.
- Anti-mist and non-staining formula is not affected by weather.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	50833	30201 32 OZ HAND THREADING CLEAR CUTTING OIL		
6	EA	50834	30205 1 GAL SPEED THREADING DARK CUTTING OIL		

Utility Caulking Gun



- Slotted front for easy loading
- 1/10 gallon capacity

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	41879	CG10 1/10 GAL UTILITY CAULKING GUN		

Silicone Sealant



- Remains flexible from -85° to 500° F
- Excellent adhesion to metals

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	41866	93252 GRAY/ALUM SEALANT		
12	EA	41867	93249 CLEAR SEALANT		
12	EA	41868	93251 WHITE SEALANT		

High Temperature Silicone Sealant



- Performs continuously from -85° to 500° F
- Maintains performance up to 600°F with intermittent exposure.
- Ideal for use around furnace vent pipes, restaurant hoods, and heat exchangers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	41870	93255 10.1 HI TEMP SEALANT		

Seam Sealer



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	21391	2110 SEAM SEALER		

Firestop Sealant



- Latex-based intumescent sealant
- Meets many applications and codes
- Provides up to a 3-hour fire rating

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	41900	25696 10 OZ CARTRIDGE FIRESTOP SEALANT		

DiversiGum Sealing Compound



Non-hardening. For plugging openings through foundations or around refrigeration tube entry.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	41604	6-202-1 1LB DIVERSIGUM SEALING COMPOUND		

Permagum Sealing Compound

Slugs and Cord



Non-hardening, water resistant, non-staining,non-bleeding, excellent adhesion. Specifically designed to exclude dirt, dust, water, and moisture from joints.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	42006	PP22 2LB PERMAGUM SLUG		
12	EA	42005	PP33 3/16IN X 100FT SEALING PERMAGUM CORD		

Nu-Foam Expanding Sealant



Nu-Foam is an expanding polyurethane prepolymer foam that is used as a sealant and an insulating product. Ideal for sealing and insulating areas as openings created for refrigeration, air conditioning, and heating pipes.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	95972	4293-04 9 OZ CAN NU-FOAM EXPANDING SEALANT FOAM		

Pan-Spray Instant Leak Sealer and Patch Product



Pan-Spray is the quick and easy to use product for sealing all kinds of leaks. Pan-Spray dispenses a white, waterproof, and rubberized coating that won't chip, crack, flake or peel. Easy to apply, long lasting and can be applied under wet conditions. Pan-Spray contains no CFCs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	95980	4296-50 16 0Z CAN WHITE PAN SPRAY LEAK SEALANT		

Plastic Roof Cement



Plastic Wet or Dry Roof Cement

A thick blend of liquid asphalt and fibers specially designed as a patching material, adhesive, and general utility sealing compound that imparts water-repellency to flashings, seams, or patches in roofs and gutters.

- Bonds rapidly to wet, moist, and cold surfaces.
- Seals leaks, even in rain
- Dries black

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-23	PC-3 24
12	EA	41872	61719 10 OZ TUBE WET OR DRY SURFACE ROOF CEMENT			
6	EA	41943	61711 1 GAL WET OR DRY SURFACE PLASTIC ROOF CEMENT			
1	EA	41942	61715 5 GAL WET OR DRY ROOF CEMENT			

Liquid Fiber Roof Coating



A mixture of liquid asphalt and non-asbestos fibers which forms a tough, adhesive bond with most roof surfaces. One coating is highly resistant to water and other types of weathering damage. Use for roofs or foundations, above or below grade.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-23	PC-3 24
6	EA	41948	62701 1 GAL FIBER ROOF AND FOUNDATION COAT			
1	EA	41954	62705 5 GAL FIBER ROOF AND FOUNDATION COAT			

Foil-Grip 1404-181BFX Rolled Mastic Sealant



- For above- and below-grade duct work
- Enhanced grip and adhesion
- Outstanding water resistance
- Easy tear characteristics
- Excellent UV resistance
- Provides air tight seal
- Zero VOCs

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 1-4 CTNS	PC-3 5 CTNS
16	EA	42091	325804 3"X100' FOIL GRIP 1404-181BFX			

Covalence Adhesives Duct Tape



223 Multi-Purpose Duct Tape
Good tensile strength and good adhesion and tack. Conformable and will not twist or curl during application. Meets UL 723.

229 Silver Tape
Seal seams and joints of heating, air conditioning duct, duct insulation, slab ducts, intake and exhaust systems.

243 Black Duct Tape
Superior adhesive formulation with comfortable backing. Offers high performance in cold temperatures. UL 723.

251 Metallized Duct Tape
This professional grade tape is for use with duct systems, foil covered sheathing, and fiberglass insulation board. High tensile strength, adhesion, and tack. Meets UL 723.

330 Extreme Weather Foil Tape
All-weather duct tape, working temperature range of -35° to 260° F, plain dead soft aluminum foil-faced duct systems. High adhesion and quick stick.

337 Foil Duct Board Tape
Features a plain dead soft aluminum foil backing and has a synthetic rubber adhesive interleafed with the release line. Matches most foil laminated duct work. Meets UL 723 requirements.

338 Foil Duct Board Tape
Aluminum foil/scrim/kraft backing with a specially formulated adhesive interleafed with a release liner. The diamond pattern matches most FSK boards and blankets. Meets UL 723 requirements.

339 Foil Duct Board Tape
The 339 Tape meets the SMACNA pressure-sensitive tape performance standard AFTS-100-73 and application standard AFTS-101-73.

357 Premium Grade Duct Tape
Superior tensile strength with clean release. Tears straight, hangs straight, and resists curling. UL723 tested.

360 Waterproofing and Repair Tape
Heavy-duty, all weather tape that provides an instant bond that will not crack or soften in varying temperature ranges from 0° to 300° F.

367-17 Foilmastic Aluminum
Indoor/Outdoor sealing of low, medium, and high pressure HVAC systems. Seal cracks and seams in gutters, roof alleys, eaves, hips, and ridges. UL 181B-FX

444 Line Set Tape
This tape is UV resistant, tough polypropylene film coated with an aggresive acrylic adhesive designed for high initial adhesion and long term durability.

555 Flexfix Flexible Duct Sealing
Economy grade, hand tearable, polypropylene tape; for use on flexible air duct closure systems. UL181B-FX listed.

557 Tape for Flex Duct
Suprior closure system for use with Flexible Air Ducts and Air Connectors. Possesses excellent shear properties and tensile strength. Excellent resistance to mold growth, humidity, flame spread, smoke generation, and high temperatures. UL181B-FX listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 1-4 CTNS	PC-3 5 CTNS
24	EA	44017	1086550 2X60 223 SILVER DUCT TAPE 682814			
32	EA	44019	1086701 1 1/2X60 229 SILVER TAPE UL723 CERTIFIED 682870			
24	EA	44020	1086696 2X60 229 SILVER TAPE UL723 CERTIFIED 682749			
16	EA	44022	1086703 3X60 229 SILVER TAPE UL723 CERTIFIED 682888			
24	EA	44016	1086402 2X60 243 BLACK TAPE 622262			
24	EA	44024	1086422 2X60 251 METALLIZED DUCT TAPE 651207			
16	EA	44038	1087644 72MM X 46M 330 EXTREME WEATHER TAPE 330014B			
16	EA	44774	1087632 2 1/2X50 337 FOIL TAPE 651412			
16	EA	44775	1087633 3 X 50 337 FOIL TAPE UL723 CERTIFIED 651413			
16	EA	44769	1087668 3X50 338 ALUMINUM FOIL FSK TAPE UL723 CERTFD 651416			
16	EA	44770	1087636 2-1/2X60 339 UL181A-P TAPE 651997			
16	EA	44772	1087637 3X60 339 UL181A-P TAPE 652230B			
24	EA	44018	1086160 2X60 357 NASHUA BLACK DUCT TAPE 3579020000			
16	EA	41881	1086692 3X30FT 360-45 FOILASTIC TAPE 682734			
12	EA	41882	1086693 4X30 FT 360-45 FOILASTIC TAPE 682735			
24	EA	44015	1086864 48X31 367-17 FOILMASTIC ALUMINUM 652122			
24	EA	44037	1087391 48MM X 55M 444 LINE SET TAPE 685011			
36	EA	44771	1087407 48MM X 110M 555 FLEXFIX UL181B-FX HI-TACK TAPE 880921			
24	EA	44021	1086939 2X60 557 UL181BFX 22KF DUCT TAPE 557000A			

Square D QO Series Circuit Breakers





Direct replacement for single and double pole breakers. Rated at 10,000 A/C, 102/240 Vac, and 60 Hz. for Square D load centers. Single Pole Breaker requires one 3/4" space and Double Pole Breaker requires two 3/4" spaces.

Single Pole Breakers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76871	CH-CHQ115 1 POLE 15 AMP CIRCUIT BREAKER	
1	EA	76872	CH-CHQ120 1 POLE 20 AMP CIRCUIT BREAKER	

Double Pole Breakers

1	EA	76873	CH-CHQ215 2 POLE 15 AMP CIRCUIT BREAKER	
1	EA	76875	CH-CHQ220 2 POLE 20 AMP CIRCUIT BREAKER	
1	EA	76879	CH-CHQ230 2 POLE 30 AMP CIRCUIT BREAKER	
1	EA	76880	CH-CHQ240 2 POLE 40 AMP CIRCUIT BREAKER	
1	EA	76881	CH-CHQ250 2 POLE 50 AMP CIRCUIT BREAKER	

Classified Circuit Breakers



These circuit breakers are UL classified for use with circuit breaker panels using GE, Crouse Hinds, Murray, Square D Homeline, Thomas & Betts, and ITE/Siemens.

Single Pole Breakers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76911	CH-CL115 15AMP 120/240V SINGLE POLE CIRCUIT BREAKER	
1	EA	76912	CH-CL120 20AMP SINGLE POLE CIRCUIT BREAKER	

Double Pole Breakers

1	EA	76913	CH-CL215 15AMP 120/240V DOUBLE POLE CIRCUIT BREAKER	
1	EA	76914	CH-CL220 20AMP 120/240V DOUBLE POLE CIRCUIT BREAKER	
1	EA	76878	CH-CL225 25 AMP 2 POLE CIRCUIT BREAKER	
1	EA	76915	CH-CL230 30AMP DOUBLE POLE CIRCUIT BREAKER	
1	EA	76916	CH-CL240 40AMP 120/240V DOUBLE POLE CIRCUIT BREAKER	
1	EA	76917	CH-CL250 50AMP 120/240V DOUBLE POLE CIRCUIT BREAKER	

Li'l Popper Control Circuit Breaker



Li'l Popper control circuit breaker can save a technician dozens of blown fuses while diagnosing control circuit failures. Simply plug the leads in to the ATC fuse receptacle on the board, and manually reset the Li'l Popper each time the breaker blows. Has a quick setting thermal cut out. Self adhering backing allows the unit to be left on the job site overnight if necessary.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76776	POP3 3 AMP CONTROL CIRCUIT BREAKER	
1	EA	76777	POP5 5 AMP CONTROL CIRCUIT BREAKER	

Test Leads



MAG-1

Magjumper Magnetic Jumper

For low valtage troubleshooting. It features a 20" length with magnetic tips that won't pop off like alligator clips sometimes can. It stays flexible even in cold weather and is perfect for recessed terminals. For use on control boards, zone panels, thermostats, hydronics, andautomatic controllers.



FTL3

Superflex Test Lead

Red and black, 36" lead with boot and clips.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82245	MAG-1 MAGJUMPER TERMINAL KIT	
1	SET	76688	FTL3 36IN TEST LEAD 2/PKG	

Fuses

Plug and Cartridge



S Plug



T Plug



TR



263M/H632

S Plug Fuses

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	76814	82316 3-2/10 AMP DUAL ELEMENT S PLUG FUSE	

T Plug Fuses

4	EA	76829	82346 15A 125V DUAL ELEMENT T PLUG FUSE	
4	EA	76830	82347 20A 125V DUAL ELEMENT T PLUG FUSE	
4	EA	76832	82349 30A 125V DUAL ELEMENT T PLUG FUSE	

FRN Cartridge Fuse

10	EA	76782	82039 35A 250V FRN CARTRIDGE FUSE	

TR Cartridge Fuses

10	EA	76783	82040 40A 250V TR CARTRIDGE FUSE	
10	EA	76784	82042 50A 250V TR CARTRIDGE FUSE	
10	EA	76785	82043 60A 250V TR CARTRIDGE FUSE	
10	EA	76793	82037 25A 250V TR CARTRIDGE FUSE	
10	EA	76794	82041 45A 250V TR CARTRIDGE FUSE	
10	EA	76798	82034 15A 250V TR CARTRIDGE FUSE	
10	EA	76799	82036 20A 250V TR CARTRIDGE FUSE	
10	EA	76800	82038 30A 250V TR CARTRIDGE FUSE	

Fuse Reducer

10	PR	76806	82975 263M/H632 FUSE REDUCER (1 PAIR)	

Box Cover Units

T Plug Fuses



SSU



SSX



SSY

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	76836	84795 TYPE SSU 2X4 T PLUG BOX COVER		
10	EA	76837	84814 TYPE SSX 4 INCH OCTGN T PLUG FUSE BOX COVER W/ SWITCH		
10	EA	76838	84794 TYPE SSY 4 INCH SQUARE T PLUG FUSE BOX COVER		

Circuit Breakers



- For plug-in applications
- 10 kA Ampere Interrupting Capacity (AIC)
- Fits a 1" panel space
- UL listed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89880	83200 Q115 1 POLE 15 AMP CIRCUIT BREAKER	
1	EA	89881	83201 Q120 1 POLE 20 AMP CIRCUIT BREAKER	
1	EA	89882	83220 Q215 2 POLE 15 AMP CIRCUIT BREAKER	
1	EA	89883	83221 Q220 2 POLE 20 AM CIRCUIT BREAKER	
1	EA	89884	83223 Q230 2 POLE 30 AMP CIRCUIT BREAKER	
1	EA	89885	83225 Q240 2 POLE 40 AMP CIRCUIT BREAKER	
1	EA	89886	83222 Q225 2 POLE 25 AMP CIRCUIT BREAKER	

ATC Fuses
For Automative Use



For mounting in specially designed fuse blocks. Non-time-delay type, totally enclosed fuse link confines arc, and transparent for visual inspection of element.

- Load: 100%
- Opening Time: 4 Hours (Min.)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	76781	82230 ATC-3 3 AMP BLADE FUSE	
5	EA	76779	82231 ATC-5 5 AMP BLADE FUSE	
5	PKG	76780	82230 ATC-3 3 AMP (5PACK) BLADE FUSE	
5	PKG	76778	82231 ATC-5 5 AMP (5PACK) BLADE FUSE	

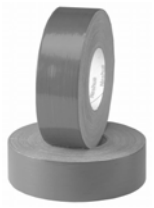
Furnace Switch
"The Old Switcheroo"



This furnace switch device is a heavy-duty industrial magnet designed to hold down pop out switches while the technician troubleshoots the furnace or air handler. Its extension wings can reach pop-out switches from an adjacent metal surface.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	EA	81288	FF75 THE "OLD SWITCHEROO"	

Plastic Electrical Tape



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
200	EA	76991	777-1D 3/4X60FT ELECTRICAL TAPE	

Liquid Tight Flexible Conduit
SEALTITE® Metallic and Non-Metallic



- Provides protection for wet and oily locations
- U.L. listed conduit has a continuous copper ground built into the core
- Sold in full cartons only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4 CTNS	PC-2 5 CTNS
100	FT	76854	84102 UL-1/2 IN LIQUID-TIGHT W/GRD		
100	FT	76855	84110 EF-1/2 IN LIQUID-TIGHT L/GRD		
100	FT	76856	84103 UL-3/4 IN LIQUID-TIGHT W/GRD		
100	FT	76857	84111 EF-3/4 IN LIQUID-TIGHT L/GRD		
1	RLL	76858	84118 1/2" NON-METALLIC CONDUIT 100'		
1	RLL	76859	84119 3/4" NON-METALLIC CONDUIT 100'		

Liquid Tight Connectors



Straight Connect



Elbow

Metallic Connectors

STD PKG	U.M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	43028	85001 1/2IN STRAIGHT FLEX FTG LIQUID TIGHT METALLIC CONNECTR		
10	EA	43029	85005 1/2IN 90 DEG FLX FITTING LIQUID TIGHT METALLIC CONNECTR		
10	EA	43030	85002 3/4IN STRAIGHT FLEX FTG LIQUID TIGHT METALLIC CONNECTR		
10	EA	43031	85006 3/4IN 90DEG FLEX FITTING LIQUID TIGHT METALLIC CONNECTR		

Non-metallic Connectors

25	EA	76966	85016 1/2" NON-METAL STR CONNECT		
10	EA	76968	85020 1/2" 90 DEG NON-METAL CONNECT		
10	EA	76967	85017 3/4 NON-METAL STR CONNECT		
10	EA	76969	85021 3/4" 90 DEG NON-MET CONNECT		

Wire Connectors



Twist On



Wing Nut Twist On

25941 Blue Twist On
Wire Range; 22–14 gauge
Max Wire Capacity: (3) 16 gauge
Min. Wire Capacity: (3) 22 gauge

25942 Orange Twist On
Wire Range; 22–14 gauge
Max Wire Capacity: (4) 16 gauge with (1) 20 gauge
Min. Wire Capacity: (3) 20 gauge

25943 Yellow Twist On
Wire Range; 18–10 gauge
Max Wire Capacity: (2) 10 gauge with (2) 12 gauge
Min. Wire Capacity: (2) 14 gauge

25939 Red Wing Nut Twist On
Wire Range; 28–10 gauge
Max Wire Capacity: (2) 10 gauge with (2) 12 gauge
Min. Wire Capacity: (3) 22 gauge

25940 Blue Wing Nut Twist On
Wire Range; 14–6 gauge
Max Wire Capacity: (1) 6 gauge with (2) 8 gauge
Min. Wire Capacity: (3) 12 gauge

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	BOX	76983	25941 (10-002) BLUE WIRE CONNECTORS 100/BOX		
10	BOX	76984	25942 (10-003) ORANGE WIRE CONNECTORS 100/BOX		
10	BOX	76985	25943 (10-004) YELLOW WIRE CONNECTORS 100/BOX		
10	BOX	76986	25939 (10-086) RED WIRE CONNECTORS 100/BOX		
10	BOX	76987	25940 (10-089) BLUE WIRE CONNECTORS 25/BOX		

MA-LINE Wire Connectors



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54039	MA06295P ASSORTED WIRE CONNECTORS 240/P	

Fuses
Plug and Cartridge



T Plug



TR



TRS

T Plug Fuses

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	76825	82340 5A 125V DUAL ELEMENT T PLUG FUSE	
4	EA	76827	82342 8A 125V DUAL ELEMENT T PLUG FUSE	

TR Cartridge Fuses

5	EA	76786	82045 80A 250V TR CARTRIDGE FUSE	
5	EA	76787	82047 100A 250V TR CARTRIDGE FUSE	
10	EA	76797	82032 10A 250V TR CARTRIDGE FUSE	

TRS Cartridge Fuses

10	EA	76801	82142 60A 600V TRS CARTRIDGE FUSE	

Thomas&Betts Liquid-Tight Connectors



Straight Connect



Elbow

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25	EA	76962	LT201 1/2IN LIQUID-TIGHT CONN	
25	EA	76964	LT291 1/2IN LIQUID-TIGHT EL	
30	EA	76965	LT292 3/4IN LIQUID-TIGHT EL	

DIVERSITECH Wire Solderless Connectors



Insulated Butt Connector


Compressor Terminal


Replacement Compressor Lead


Non-insulated Disconnect


Insulated Disconnect


Male Insulated Connector


Insulated Butted Seam Ring


Insulated Spade Terminal


Flag Disconnect


Terminal Kit

Insulated Butt Connectors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	76620	B211 22-18W INSL BUTT CONN 18/PK	
1	PKG	76621	B222 16-14W INSL BUTT CONN 18/PK	
1	PKG	76622	B222C 16-14W INSL BUTT CONN 100/PK	
1	PKG	76623	B233 12-10W INSL BUTT CONN 11/PK	
1	PKG	76624	BA22 INSL BUTT CONN 16/PK	

Wire Connectors

1	PKG	76626	C223 18-10W WIRE CONN 15/PK	
1	PKG	76627	C241 BLUE WIRE CONN 20/PK	
1	PKG	76628	C243 ORANGE WIRE CONN 15/PK	
1	PKG	76629	C312 3 - #12 YELLOW WIRE CONN 13/PK	
1	PKG	76630	C312L 3 - #12 YELLOW WIRE CONN 50/PK	
1	PKG	76631	C512 5 - #12 RED WIRE CONN 10/PK	
1	PKG	76632	C512L 5 - #12 RED WIRE CONN 50/PK	

Compressor Terminal (Requires Dimple Crimper)

1	PKG	76633	CC32 .250 COMP TERMINAL 6/PK	

Replacement Compressor Leads

1	PKG	76634	CC33 12IN REPL COMP LEAD 3/PK BUTT CONN	
1	EA	76687	CC33-24 24IN REPL COMP LEAD 3/PK RING CONN	

Non-Insulated Disconnects

1	PKG	76635	D011 22-18W 3/16IN NON-INSL DISC 30/PK	
1	PKG	76636	D012 22-18W 1/4IN NON-INSL DISC 30/PK	
1	PKG	76637	D022 16-14W 1/4IN NON-INSL DISC 30/PK	
1	PKG	76638	D022C 16-14W 1/4IN NON-INSL DISC 100/PK	
1	PKG	76639	D032 12-10W 1/4IN NON-INSL DISC 25/PK	

Insulated Disconnects

1	PKG	76640	D211 22-18W 3/16IN INSL DISCONNECT 16/PK	
1	PKG	76641	D212 22-18W 1/4IN INSL DISCONNECT 16/PK	
1	PKG	76642	D222 16-14W 1/4IN INSL DISCONNECT 16/PK	
1	PKG	76643	D222C 16-14W 1/4IN INSL DISCONNECT 100/PK	
1	PKG	76644	D232 12-10W 1/4IN INSL DISCONNECT 12/PK	
1	PKG	76645	D232C 12-10W 1/4IN INSL DISCONNECT 100/PK	

Continued on the Following Page

Continued from the Previous Page

Male Insulated Connector

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	76649	DM22 16-14W 1/4IN INSL DISCONNECT 16/PK	

Assorted D Series Disconnects

1	PKG	76646	DA22 ASST DISCONNECTS 18/PK	

Non-Insulated High Temperature Terminals (up to 900° F)

1	PKG	76647	DH22 16-14W 1/4IN FEMALE DISCONNECT 20/PK	
1	PKG	76648	DH32 12-10W 1/4IN FEMALE DISCONNECT 13/PK	
1	PKG	76658	FH22 16-14W 1/4IN FLAG DISCONNECT 18/PK	
1	PKG	76659	FH32 12-10W 1/4IN FLAG DISCONNECT 12/PK	
1	PKG	76669	RH22 16-14W 10 STUD RINGS 22/PK	
1	PKG	76670	RH32 12-10W 10 STUD RINGS 15/PK	

Insulated Butted Seam Rings

1	PKG	76665	R221 16-14W 8 STUD RINGS 16/PK	
1	PKG	76666	R222 16-14W 10 STUD RINGS 16/PK	
1	PKG	76667	R232 12-10W 10 STUD RINGS 12/PK	

Insulated Spade Terminals

1	PKG	76671	S221 16-14W 8 STUD SPADE TERM-INSL 16/PK	
1	PKG	76672	S222 16-14W 10 STUD SPADE TERM-INSL 16/PK	
1	PKG	76673	S231 12-10W 8 STUD SPADE TERM-INSL 12/PK	
1	PKG	76674	S232 12-10W 10 STUD SPADE TERM-INSL 12/PK	

Special Disconnects

1	PKG	76651	DS22 16-14W 1/4IN F/M PIGGYBACK 10/PK	
1	PKG	76652	DS23 1/4IN F/M PIGGYBACK 20/PK	
1	PKG	76653	DS24 16-14W 1/4IN F/M WIRE PIGGYBACK 5/PK	
1	PKG	76654	DXF2 16-14W 1/4IN FEM DISC FULL INSL 10/PK	
1	PKG	76655	DXM2 16-14W 1/4IN MALE DISC FULL INSL 10/PK	

Flag Disconnects

1	PKG	76656	FD22 16-14W 1/4IN FLAG DISCONNECT 25/PK	
1	PKG	76657	FD32 12-10W 1/4IN FLAG DISCONNECT 10/PK	

Vinyl Grommets

1	PKG	76660	GVA1 SMALL ASST GROMMETS 15/PK	
1	PKG	76661	GVA2 LARGE ASST GROMMETS 5/PK	

Terminal Kit in Plastic Box

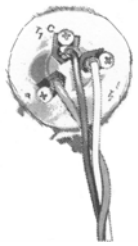
1	PKG	76686	PA25 TERMINAL KIT 450/PK	

High Temperature Wire (600V, 10 Ft.)

1	PKG	76689	WHT20 14GA 600V HI-TEMP WIRE 1/PK	

MAINSTREAM Engineering Corporation

QwikLug™ Compressor Terminal Repair Kit



Kit replaces damaged or corroded spade terminals and fits all standard compressor teminals. Non metallic connector prevents short circuits. Tightens from the front with a screwdriver for fast installation.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	BAG	90137	QT2810 QWIKLUG - 10 AWG LEADS 3 TERM COMPRESSOR REPAIR LUGS	
10	BAG	90138	QT2812 QWIKLUG - 12 AWG LEADS 3 TERM COMPRESSOR REPAIR LUGS	

Wire Ties, Cable Clamps, and Tubing



Wire Ties



WCA1



Heat Shrink Tubing

Wire Ties

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	76677	WT04 4IN WIRE TIES 40/PK	
1	PKG	76678	WT07 7IN WIRE TIES 30/PK	
1	PKG	76679	WT07C 7IN WIRE TIES 100/PK	
1	PKG	76680	WT11 11IN WIRE TIES 15/PK	
1	PKG	76681	WT11C 11IN WIRE TIES 100/PK	
1	PKG	76683	WT15C 15IN WIRE TIES 100/PK	

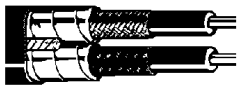
Cable Clamps

1	PKG	76676	WCA1 1/8 - 1 IN ASST CABLE CLAMPS 26/PK	
1	PKG	76690	WC04 1/4IN NYLON CABLE/WIRE CLAMPS 35/PKG	

Heat Shrink Tubing, Black, 50% Shrink, Commercial Grade

1	PKG	76662	HSA1 ASST HEAT SHRINK TUBING 7/PK	

Electrical Cable



Romex Cable



Greenfield Cable



Aluminum Clad Cable

Romex Cable—To be Sold Full Coils Only — Priced Per Roll

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4 CTNS	PC-2 5-9 CTNS	PC-3 10 CTNS
1	RLL	76734	84253 8-2 ROMEX CABLE W/GROUND 125FT			
1	RLL	76735	620-12-2 12-2 ROMEX CABLE W/GROUND 250FT			
1	RLL	76737	620-14-2 14-2 ROMEX CABLE W/GROUND 250FT			

Greenfield Cable, U.L. Approved—To be Sold in Full Coils Only

1	RLL	76860	MA-40038 3/8IN 100FT FLEXIBLE CONDUIT			
1	RLL	76861	MA-40050 1/2IN 100FT FLEXIBLE CONDUIT			

Type MC, Aluminum Clade Cable

1	RLL	54022	MA-MC23C 12/3 100 FT BX ALUMINUM CLAD CABLE			
1	RLL	54023	MA-MC43C 14/3 100 FT BX ALUMINUM CLAD CABLE			

Honeywell Thermostat Wire

Genesis® Series Cable

- Solid bare copper with PVC insulation and PVC jacket
- Type CL2
- 18 gauge
- Brown
- Available on reels or in compact, ready-to-dispense Speed Bags
- UL listed



Reels

Speed Bags

500' Full Roll in Speed Bag — Priced Per Roll

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	RLL	76700	47105807 18-2 500' SOLID CL-2 THERMOSTAT CABLE (64162105)			
1	RLL	76701	47115807 18-3 500' SOLID CL-2 THERMOSTAT CABLE (64168805)			

250' Full Roll in Speed Bag — Priced Per Roll

1	RLL	76702	47120907 18-4 250' SOLID CL-2 THERMOSTAT CABLE (65898905)			
1	RLL	76703	47130907 18-5 250' SOLID CL-2 THERMOSTAT CABLE (64169605)			
1	RLL	76704	47140907 18-6 250' SOLID CL-2 THERMOSTAT CABLE (55020105)			
1	RLL	76705	47160907 18-8 250' SOLID CL-2 THERMOSTAT CABLE (65676905)			

4-Piece, 500' Reels — Priced Per Roll

1	RLL	76769	47104807 18-2 500' SOLID CL-2 THERMOSTAT CABLE SPOOL			
1	RLL	76744	47114807 18-3 500' SOLID CL-2 THERMOSTAT CABLE SPOOL			

4-Piece, 250' Reels — Priced Per Roll

1	RLL	76770	47120307 18-4 250' SOLID CL-2 THERMOSTAT CABLE SPOOL			
1	RLL	76761	47130307 18-5 250' SOLID CL-2 THERMOSTAT CABLE SPOOL			
1	RLL	76749	47140307 18-6 250' SOLID CL-2 THERMOSTAT CABLE SPOOL			
1	RLL	76771	47160307 18-8 250' SOLID CL-2 THERMOSTAT CABLE SPOOL			
1	RLL	76706	47180307 18-10 250' SOLID CL-2 THERMOSTAT CABLE (55065605)			

Honeywell Genesis® Series Cable Solid Plenum Wire



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	RLL	76708	47604812 18-2 500' SOLID CL2P PLENUM STAT WIRE (57030401)			
4	EA	76714	32160312 18-6 250' STRANDED OAS CL2P PLENUM CONTROL CABLE			
1	RLL	76712	47614812 18-3 500' SOLID CL2P PLENUM STAT WIRE (57524301)			

Honeywell Genesis® Series Cable Tray Cable



This cable consists of four bare copper insulated conductors cabled with a mylar wrap and an oil and sunlight resistant overall jacket.

- UL listed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	RLL	76707	10703908 14-4 50' STRANDED THHN 600V TRAY CABLE (58225705)			
1	RLL	76713	10700108 14-4 250' STRANDED THHN 600V TRAY CABLE (58225703)			
1	RLL	76731	10683908 16-4 50' STRANDED THHN 600V TRAY CABLE (58583505)			
1	RLL	76732	10680108 16-4 250' STRANDED THHN 600V TRAY CABLE (58583501)			

Honeywell Genesis® Series Cable Mini Split Wire



- 16/2 stranded shielded CM/CL2
- 300 volt

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	RLL	76722	12213909 16-2 50' GREY STRANDED SHIELDED CM (57036507)			
1	RLL	76738	12215009 16-2 500' GREY STRANDED OAS CL2 (PVC) CONTROL CABLE			

Honeywell Genesis® Series Cable Hybrid Thermostat Wire



- Hybrid thermostat wire is contructed with one 18 AWG conductor for power and all additional conductors are 20 AWG for specific controls.
- Each conductor is designed for the power requirements of the circuit
- Packaged in 250' Speed Bags®

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	RLL	76739	67130907 250' BROWN 5 SOLID CONDUCTORS CL2 HYBRID CABLE			
1	RLL	76740	67140907 250' BROWN 6 SOLID CONDUCTORS CL2 HYBRID CABLE			
1	RLL	76741	67160907 250' BROWN 8 SOLID CONDUCTORS CL2 HYBRID CABLE			
1	RLL	76742	67180907 250' BROWN 10 SOLID CONDUCTORS CL2 HYBRID CABLE			

Honeywell Genesis® Series Cable Jacketed Metal Clad Cable

Mini Split Cable



For installation indoors or out without the need for junction boxes and conduit

- 600 Volts
- PVC jacket, PVC/nylon insulation, Interlocking aluminum armor
- Sunlight and oil resistant
- UL listed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	RLL	76752	10753908 14-4 50' STR THHN 600V JACKETED METAL CLAD CABLE			
1	RLL	76753	10750108 14-4 250' STR THHN 600V JACKETED METAL CLAD CABLE			

Thomas&Betts Pipe Straps



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 5 CTNS
25	EA	76942	TS104 1-1/4 EMT STRAP			
50	EA	77057	TS105 (16-405) 1 1/2IN EMT STRAP			

Honeywell Genesis® Series Cable THHN Stranded and Solid Wire

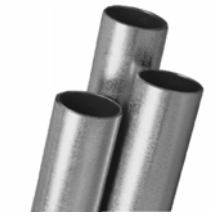


Type THHN is a small diameter general purpose 600V building wire. U.L. Standard 83 THHN 90° C Dry.

To be Sold in Full Coils Only **Priced Per Roll**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	RLL	76757	10815404 500' 12AWG STR THHN 600V 5C(4P) RL RED WIRE (22966601)			
1	RLL	76758	10815401 500' 12AWG STR THHN 600V 5C(4P) RL WHT WIRE (22965801)			
1	RLL	76760	10815408 500' 12AWG STR THHN 600V 5C(4P) RL BLK WIRE (22968201)			
1	RLL	76767	10805408 500' 14AWG STR THHN 600V 5C(4P) RL BLK WIRE (22955901)			

Wheatland EMT Conduit



Can be installed indoors or outdoors, in dry or wet locations, exposed or concealed.

- Electrical Metallic Tubing
- UL Listed
- ANSI C80.3

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100-499	PC-3 500
100	FT	76850	1/2IN X 10FT EMT CONDUIT			
100	FT	76851	3/4IN X 10FT EMT CONDUIT			

DiversiTech Pipe Strap

Galvanized or Plastic



710-A1650

- Galvanized vent strapping, hanger iron, plumber's tape, pipe hanger tape, and many other uses. 1/4"centers for bolts or nails.

710-P100

- Plastic hanger strap is flexible and non-conductive. 3/4" wide x .050 thick. Load tested to 120 lbs. in handy dispenser box.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	77058	710-A1650 3/4INX50FT COIL PIPE STRAP		
20	EA	77059	710-P100 3/4INX100FT PLASTIC HGR STRAP		

Pipe Straps



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 5 CTNS
1	PKG	43012	85335 1/2 IN EMT ONE HOLE STRAP 5/PKG			
100	EA	43013	85302 3/4 IN ONE HOLE EMT STRAP			
1	PKG	43010	85337 1-1 HOLE EMT STRAPS 2/PKG			
1	PKG	43016	85338 1-1/4IN 1 HOLE EMT STRAP 2/PKG			

Insulated Plastic Staples



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	42985	70401 INSULATED PLASTIC STAPLES 50PK	

Electrical Fittings



85115



85185



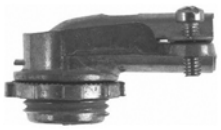
85326, 85327



85329, 85330



85332



85402

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 5 CTNS
50	EA	43015	85115 1/2 IN EMT SET SCREW CONNECTOR			
100	EA	43037	85185 3/8 IN ROMEX SQUEEZE CONNECTOR			
25	EA	43036	85326 3/4 IN EMT SET SCREW COUPLING			
50	EA	43033	85327 1/2 IN EMT SET SCREW/COUPLING			
50	EA	43032	85329 1/2 IN EMT COMPRESSION CONNECTOR			
25	EA	43035	85330 3/4 IN EMT COMPRESSION CONNECTOR			
50	EA	43034	85332 1/2 IN EMT COMPRESSION COUPLING			
50	EA	43014	85402 3/8 IN 90 DEG ANGLE CONNECTOR			

Thomas&Betts Electrical Fittings



85364



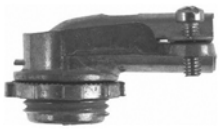
TC222SC



TK211SC, TK212SC



TK222SC



XC-290

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 5 CTNS
4	PKG	76932	85364 (4PK) WA121 (L298-21) 3/4X1/2 REDUCING WASHER			
25	EA	76947	TC222SC 3/4 STR EMT CONN			
50	EA	76936	TK211SC 1/2 EMT COMP CPLG			
25	EA	76937	TK212SC 3/4 EMT COMP CPLG			
25	EA	76956	TK222SC 3/4 STR EMT CPLG			
50	EA	76926	XC290 3/8 90 DEG ANG CONN			

Thomas&Betts Electrical Boxes



52C1



58-C-30



52151



54151



RS-9

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 5 CTNS
50	EA	76877	52C1 4 SQ BLANK COVER			
100	EA	76891	54C1 4 OCT BLANK COVER			
25	EA	76895	58-C-1 2X4 BLANK H/B COVER			
100	EA	76900	58-C-7 DUPLEX RECEPT COVER			
100	EA	76905	58-C-30 TOGGLE SW COVER			
50	EA	76874	52151 1/2-3/4 KO 4IN SQUARE BOX			
50	EA	76890	54151-1/2 4 OCT BOX 1/2 KO			
50	EA	76894	58351-1/2 2X4 HANDY BOX 1/2 KO			
50	EA	76892	58371-1/2 HANDY BOX 2-3/8" DEEP			
50	EA	76901	RS-9 SING TOG SW COVER			

Electrical Boxes


84712 and 84798


84797


84799

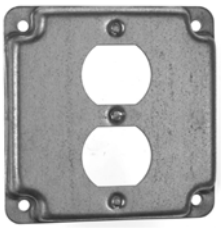

84938

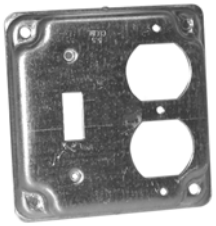

84947 and 84949


84952


84962


84965


84966


84968


84987


84988


84989

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 5 CTNS
10	EA	76904	84712 TOGGLE SW BROWN			
10	EA	76899	84797 GRD DUP RECEPT IVORY			
10	EA	76907	84798 TOGGLE SW IVORY			
10	EA	76910	84799 15A 120/277V 1P IVORY TOGGLE SWITCH-GROUND SW/RECEP			
1	EA	43017	84938 4IN 1-1/2D 1/2IN STEEL BOXES SQUARE 3/4IN KO			
1	EA	43018	84947 2-1/8IN X 4IN STEEL UTILITY BOXES 1/2IN KO			
1	EA	43025	84949 2-1/8IN X 4 2-1/8D STEEL UTILITY BOX 1/2IN KO			
1	EA	43027	84952 1-1/2D 1/2 X 3/4 KO STEEL EXTENSION RINGS 4 SQUARE			
1	EA	43020	84962 4IN SQUARE STEEL COVER 4IN FLAT BLANK			
1	EA	43019	84965 4IN 1/2IN RAISED TOGGLE SWITCH SINGLE			
1	EA	43026	84966 4IN 1/2IN RAISED SQUARE STEEL COVER 1 DUP RECEPTACLE			
1	EA	43023	84968 4IN SQUARE STEEL COVER 1-TOG/1-DUP RECEPTACLE COVER			
1	EA	43021	84987 2-1/8IN X 4IN STEEL DUPLEX RECEPTACLE BOX COVER			
1	EA	43024	84988 2-1/8IN X 4IN STEEL TOGGLE SWITCH COVER			
1	EA	43022	84989 2-1/8IN X 4 STEEL UTILITY BOX COVER BLANK			

Electrical Receptacle



- 15 amp
- 125 volt
- Brown
- Residential

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	76889	620-704 15 AMP 125V BROWN ELEC DUPLEX RECEPT	

Conduit Locknut Wrench



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83714	56999 CONDUIT LOCKNUT WRENCH	

Spray Paint



Plasti-kote® industrial all purpose enamel is abrasion and corrosion resistant. This spray enamel features an adjustable fan spray valve. Fights rust and will not fade. One can covers 25 to 28 sq. ft. Can be used to identify refrigerant in cylinders.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	46305	78984 BLACK (FLAT) SPRAY PAINT		
12	EA	46307	78987 GRAY (DK) SPRAY PAINT		

Markers



Ready-to-use markers that will write on any surface. Dry instantly and are waterproof.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	46260	95500 #25 DURA INK BLACK PEN	

Paint Markers



- Marks on all surfaces including metal, wood, glass, plastic, rubber, cardboard and paper.
- Oil based paint it quick drying with a glossy finish.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	46261	95481 V.ACTION PAINT MARKER-RED	
12	EA	46262	95480 V.ACTION PAINT MARKER-BLACK	

INKZALL Black Fine Point Marker



- Durable marker tip for writing on concrete , OSB and rough surfaces
- Ink dries in seconds

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81142	48-22-3100 BLACK FINE POINT MARKER	

Spray Paint



Plasti-kote® industrial all purpose enamel is abrasion and corrosion resistant. This spray enamel features an adjustable fan spray valve. Fights rust and will not fade. One can covers 25 to 28 sq. ft. Can be used to identify refrigerant in cylinders.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH	PC-2 F/CTN
6	EA	46301	78977 RED SPRAY PAINT		
12	EA	46302	78979 GREEN SPRAY PAINT		

Paint Markers



- Marks on all surfaces including metal, wood, glass, plastic, rubber, cardboard and paper.
- Oil based paint it quick drying with a glossy finish.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	46264	95486 V.ACTION PAINT MARKER-WHITE	

Great Wipes Hand Towels



- Industrial strength waterless hand towels
- One side for everyday messes, one side for heavy dury grime
- Fresh citrus scent

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	90318	4185-75 75 COUNT GREAT WIPES WATERLESS HAND TOWELS		

WypAll Shop Towels



- Durable for demanding jobs.
- Strong even when wet.
- 4-ply tissue wiper traps dirt and absorbs liquids quickly.
- Made with 100% recycled paper.
- 9-3/4"x 16-3/4" in pop-up box.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	BOX	40108	79105 / 19099 TERI WIPES 125/BOX	

Nu-Kill Wasp and Hornet Aerosol Spray



Nu-Kill instantly kills wasps, hornets, and yellow jackets. Up to a 20 foot jet spray. Nu-Kill is also safe around and in electrical equipment. It contains no CFCs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	95973	4292-75 13.5 OZ NU-KILL II AEROSOL WASP & HORNET KILLER		

Group 5 Chemicals and Water Treatment

Group 5 Chemicals and Water Treatment

Cleaners ..... 5 - 1
Leak Detectors ..... 5 - 13
System Sealants ..... 5 - 15
Moisture Barriers and Lubricants ..... 5 - 16
Anti-Freeze ..... 5 - 17

Foaming Glass Cleaner



- Dissolves dirt, grease, grit and grime.
- Heavy-duty foam clings to vertical surfaces
- Guaranteed to leave no film "Streak Free"
- Sprays in any position
- Industrial strength

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	96014	93298 19 OZ CAN AEROSOL SPRAY X FOAMING GLASS CLEANER		

Aerosol Protectants and Cleaners



4082-03



4083-75



4083-90



4294-75



61118

Electrical Contact Cleaner
Lubricates and protects electrical contacts. Quickly removes grease, dust and oxidation.

Degreasing Solvent
Leaves surfaces clean and oil-free. Fast drying, leaves no residue. Dielectric strength of 26,000 volts.

DuraCoil
DuraCoil surface coating can extend the service life of coils or other system components and protect them from corrosion. Great for repairing an OEM coating already in service.

Nu-Shield
Nu-Shield is a super-hydrophobic (water repelling) product that is anti-wetting, reduces icing, anti-corrosion, self-cleaning and reduces bacterial growth.

A/C Shine
A/C Shine is specially formulated to clean and protect the painted metal surgaces of outdoor A/C condensing units. It sprays on and wipes off quickly and easily without water. Use A/C Shine on every service call.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	90178	4082-03 11 OZ AEROSOL CAN ELECTRICAL CONTACT CLEANER		
6	EA	90180	4083-75 17 OZ AEROSOL CAN DEGREASING SOLVENT EF		
6	EA	95909	4083-90 DURACOIL SURFACE PROTECTANT		
6	EA	96013	4294-75 NU-SHIELD		
12	EA	91403	61118 ACS12 12 OZ A/C SHINE-CLEANER/PROTECTANT		

Nu-Calgon Aerosol Coil Cleaners



4081-75



4127-75



4132-20



4166-75



4171-75



4290-75



4291-18


4371-75

CalClean
Aerosol coil cleaner for condensers and evaporators. Heavy-duty detergent for all types of equipment.

Blackhawk™
Blackhawk is an expanding foam, fragrance-free coil cleaner. It permeates deep within the coil then liquefies to remove grease and grime.The heavy-duty formulation is powerful, yet safe for food processing areas.

Cal-blast™ Coil Cleaner
High performance aerosol with excellent solvency and blasting spray; powerfully separates indesirable materials from the surface.

Evap-Fresh Coil Cleaner
Non-abrasive, one-step cleaner and disinfectant for evaporator coils in small air conditioners, commercial air handling equipment, HVAC cooling coils, and refrigeration equipment.

Evap-Foam No Rinse
For use on condensers or evaporators. Cleans and deodorizes. Has a pleasant lemon smell.

Nu-Blast® Condenser Coil Cleaner
A "no rinse required" condenser coil cleaner in a convenient aerosol package. Pleasant odor, non-flammable and non-conductive.

Nu-Brite
High pressure cleaner and degreaser for small condenser coils found in restaurant and food service refrigeration, air conditioners, electrical and mechanical equipment.

Tri-Pow'r HD
Detergent, degreaser, and deodorizer all in one. Suitable for any coil design, including microchannel. Tri-Pow'r HD emulsifies or converts greasy deposits into a fluid or liquid form that can be easily flushed. Non-acid, non-toxic, and biodegradable.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	90170	4081-75 20 OZ AEROSOL CAN CALCLEAN		
6	EA	90166	4127-75 18 OZ BLACKHAWK EXPANDING FOAM COIL CLEANER		
6	EA	90248	4132-20 AEROSOL CAL-BLAST COIL CLEANER		
6	EA	95928	4166-75 18 OZ CAN AEROSOL EVAP-FRESH COIL CLEANER		
6	EA	90154	4171-75 18 OZ AEROSOL CAN EVAP-FOAM NO RINSE		
6	EA	90148	4290-75 18OZ AEROSOL CAN NU-BLAST CONDENSER COIL CLEANER		
6	EA	95996	4291-18 18 OZ AEROSOL CAN NU-BRITE COIL CLEANER		
6	EA	90212	4371-75 19 OZ CAN TRI-POW'R HD AEROSOL		

Nu-Calgon Talon Spray Wand

Flexible Spray Wand for Aersol Cleaners



Nu-Calgon's Talon tool flexes into spaces where a bulky aerosol can can't reach. Spraying with greater precision and less waste. The specially developed 27 in, reusable, spray wand can easily reach inside a coil to spray from the inside.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	91389	4776-0 TALON FLEXIBLE AEROSOL WAND		

Parker | VIRGINIA Aerosol Coil Cleaners





BAC-20 Blast-A-Coil

This non-ozone-depleting aerosol coil cleaner is a high pressure liquid that blasts through grease and dirt on refrigeration condenser coils. Cleans grease, dirt, lint and other debris instantly and does not require rinsing.

CK20 Coil Klean

The CK20 is designed to clean dirt, hair, grease, oil and dust from evaporator coils and to restore evaporator efficiency and operation. Foaming spray easily penetrates the fins of evaporator coils.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	95944	BAC-20 18 OZ NO-RINSE AEROSOL COIL CLEANER SOLVENT		
12	EA	90114	CK20 19 OZ COIL KLEAN ALKALINE AEROSOL CONDENSOR COIL CLEANER		

Parker | VIRGINIA Coil Cleaners and Protectors



Acti-Klean



Alki-Foam



FM-1

Acti-Klean

Acti-Klean heavy duty coil cleaner is more effective than cleaning with high-pressure sprayers and steam cleaners or rinsing with water and brushing, yet it is economical to use. Acti-Klean is safe, non-acid, non-toxic, virtually odorless, non-flammable and bio-degradable. Rinsing after use is not required, as it simply drains away as condensate.

Alki-Foam

An alternative method of cleaning fin and tube surfaces of air conditioning condensers. Alki-Foam, non-acid cleaner, has been developed to remove contamination from heat transfer surfaces and increase air flow for increased efficiency.

FM-1 Foam-Max

A high-foaming, alkaline based, outdoor condenser coil cleaner for extra tough jobs. Foam-Max creates a super thick foam on aluminum condenser coils that cuts through grease, grime and oil and pushes out feathers, dirt, dust, leaves and grass. A highly concentrated formula that can be used in lighter dilutions rations for standard cleaning jobs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
4	EA	95939	AKF1 1 GALLON ALKI-FOAM PREMIUM COIL CLEANER		
4	EA	95940	AK1 1 GALLON ACTI-KLEAN PREMIUM COIL CLEANER		
4	EA	95942	FM1 1 GALLON FOAM MAX PREMIUM CONDENSER COIL CLEANER		

Nu-Calgon Green Select Coil Cleaners



Cal-Green



Evap-Green

Cal-Green

Clean the condenser unit with an all natural environmentally friendly coil cleaner. This low-foaming, non-toxic cleaner is outstanding for removing dirt and grime which hinders heat transfer. By cleaning the fins with Cal-Green you restore the unit's efficiency while being environmentally responsible.

Evap-Green

Evap-Green's outstanding cleaning ability will quickly remove dust, dirt, and debris that is typically found on evaporator coils. By using Evap-Green, an all natural cleaner, the coil is being cleaned with the most environmentally friendly product available.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
4	EA	90244	4190-08 1 GAL CAL-GREEN GREEN SELECT COIL CLEANER		
4	EA	90245	4191-08 1 GAL EVAP-GREEN GREEN SELECT COIL CLEANER		

Nu-Calgon Coil Cleaners



Cal-Brite **CalClean** **Evap-Fresh** **Evap Pow'r** **Foam-Brite** **Nu-Brite** **Nu-Solve NR** **Tri-Pow'r** **TriClean 2X**

Nu-Calgon Cal-Brite®
Is a low-pH cleaner for cleaning evaporator coils, air-cooled condensers and other finned cooling and heating coils. It is based upon glycolic acid and other ingredients, including DuPont's Surfactant Merpol®. Safe for use indoors as well as outdoors.

Nu-Calgon CalClean®
A heavy-duty liquid alkaline detergent for cleaning evaporator coils, air cooled condenser coils, metal filters, fan blades. Biodegradable.

Nu-Calgon Evap-Fresh
Evap-Fresh is a ready-to-use, non-abrasive, one-step cleaner and disinfectant for evaporator coils in small air conditioners, commercial air handling equipment, HVAC cooling coils and refrigeration equipment.

Nu-Calgon Evap Pow'r®
"No Rinse"product formulated specifically for indoor cleaning of evaporator coils. It is metal safe. Cleans even the most stubborn soils and deposits. Biodegradable.

Nu-Calgon Foam-Brite®
This coil cleaner provides the ultimate in foaming, brightening and cleaning; it can be used to replace the more dangerous HF acid based products for condenser coil cleaning. Cleans and brightens, with an unsurpassed level of foaming.

Nu-Calgon Nu-Brite®
Is the most effective coil cleaner available today. It is an equally effective yet safer alternative to acids. Alkaline based. Biodegradable.

Nu-Solve NR
Non-rinse, non-foaming, ready-to-use detergent based outdoor coil cleaner. Formulated to remove grime off coil. Compatible with common metals, plastics and rubber.

Nu-Calgon Tri-Pow'r
Tri-Pow'r HD is an alkaline cleaner for cleaning air-cooled condensers, evaporator coils, permanent filters, fan blades, motors and other general cleaning.

TriClean 2X
Metal safe, biodegradable chemistry. One bottle cleans up to three 5 ton coils. Easy to use; simply connect to hose, clean and rinse.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
4	EA	95961	4133-08 1 GAL CAL-BRITE COIL CLEANER		
4	EA	90145	4135-08 1 GAL CALCLEAN COIL CLEANER		
4	EA	95929	4166-08 1 GAL EVAP-FRESH COIL CLEANER		
4	EA	95965	4168-08 1 GAL EVAP POW'R-C COIL CLEANER		
4	EA	90169	4178-08 1 GAL FOAM BRITE COIL CLEANER		
4	EA	90153	4291-05 2 1/2 GAL NU-BRITE COIL CLEANER		
4	EA	90149	4291-08 1 GAL NU-BRITE COIL CLEANER		
4	EA	90202	4295-08 1 GAL NU-SOLVE NR CONDENSER COIL CLEANER		
4	EA	90142	4371-88 1 GAL TRI-POW'R HD ALKALINE COIL CLEANER		
6	EA	95957	4372-24 1 QT TRICLEAN 2X COIL CLEANER		

Nu-Calgon Ice Machine Filters and Food Grade Cleaning Products


CTL


Nu-Plus


NP48S


Micro-Plus



IMS-II Cleaner



Liquid Ice



Nickel Safe Cleaner



Food-Grade Silicone

CTL Cartridge
A 20"cartridge that fits inside existing Manitowoc systems.

Nu-Plus Water Filter Cartridges
Pre-coat submicron filtration reduces particles as small as 1/2 micron along with chlorine and other offensive contaminants. Plus the feed of 6R Micromet® inhibits scale build-up caused by dissolved minerals.

NP48S Sediment Cartridge
The NP Series Sediment Cartridges are composed of polypropylene that is manufactured by patented blown-microfiber technology to meet the market requirements for a pure polypropylene-depth pre-filter with exceptional dirt-holding capability.

Micro-Plus Treatment Systems
The complete treatment program for commercial ice makers, coffee urns and brewers, beverage makers, and other water-using equipment such as humidifiers, steamers, and residential refrigerator ice makers.

IMS-II Ice Machine Cleaner
Eliminate lime scale formation. Remove silt, sediment and other suspended matter. Remove chlorine and other objectionable tastes and odors. Complete treatment for up to six months.

Liquid Ice Machine Cleaner
For removing scale deposits from ice machines and coffee urns. Made from food-grade phosphoric acid. Fast acting and safe to use.

Nickel Safe Ice Machine Cleaner
Cleaner is a specially formulated for removing scale deposits from ice machines having nickel-plated or tin-plated evaporators.

Food-Grade Silicone
Sprays a perfect non-stick surface on ice machine surfaces, vending machines, coin slots, hot plates, slicing machines, and other food processing and packaging equipment. Contains ingredients approved by the FDA for food contact.

CTL Cartridge

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	95991	4610-26 C0070 CTL SERIES PRIMARY FILTER CARTRIDGE		

Nu-Plus Water Filter Cartridges

1	EA	96188	4621-01 QC71 SINGLE HEAD		
1	EA	96189	4621-02 QC71 TWIN PARALLEL HEAD		
1	EA	96190	4621-07 QL3B SINGLE HEAD		
6	EA	96001	4621-10 NU-I2000 NU-PLUS WATER FILTER CARTRIDGE		
6	EA	96002	4621-11 NU-I4000 NU-PLUS WATER FILTER CARTRIDGE		
6	EA	96184	4621-12 BH ICE/COFFEE CARTRIDGE		
6	EA	96197	4621-14 1MF10-(FOR 10IN HOUSING) SCALE BLOCKER		
6	EA	96185	4621-20 NU-MC CARTRIDGE		
6	EA	96186	4621-30 7CB5-S CARTRIDGE		
6	EA	96200	4621-31 4CB5-S ICE/COFFEE CARTRIDGE		
40	EA	96194	4621-41 EC-110 10IN PREFILTER CARTRIDGE		
1	EA	96191	4621-42 EC-10 PREFILTER		
20	EA	96195	4621-43 EC-210 20IN PREFILTER CARTRIDGE		
1	EA	96192	4621-44 EC-20 20IN PREFILTER HOUSING W/CARTRIDGE		
1	EA	96193	4621-45 PREFILTER WING BRACKET		
6	EA	96187	4622-10 NU-PLUS CU-S CARTRIDGE		

NP48S Sediment Filter Cartridge

6	EA	95995	4712-87 NP48S 5 MICRON SEDIMENT CARTRIDGE		

Continued on the Following Page

Ice Machine Cleaners (Micro-Plus, IMS-II, Liquid Ice, and Nickel Safe)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	95983	4612-W3 MICRO PLUS 4 (25 GAL/DAY) ICE MACHINE FILTRATION TREATMENT		
6	EA	95986	4615-W3 MICRO +2 (12-1/2 GAL/DAY) ICE MACHINE FILTRATION TREATMENT		
12	EA	95989	4211-34 16 FLUID OZ IMS-11 ICE MACHINE SANITIZING CONCENTRATE		
12	EA	95967	4207-47 8 FLUID OZ -13.2 NET WT LIQUID ICE MACHINE CLEANER		
4	EA	95966	4207-08 1 GAL LIQUID ICE MACHINE CLEANER		
12	EA	90147	4287-34 16 FLUID OZ NICKEL SAFE ICE MACHINE CLEANER		
4	EA	90143	4287-08 1 GAL NICKEL SAFE ICE MACHINE CLEANER		

Food Grade Silicone

6	EA	90172	4084-03 11 OZ AEROSOL CAN FOOD GRADE SILICONE		

Parker | VIRGINIA Metal Safe Ice Machine Cleaners



Removes the normal lime scale formulations which develop in ice machines. Safe to use on nickel and tin plated evaporators.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
4	EA	95948	H421 1 GALLON METAL SAFE ICE MACHINE CLEANER/SCALE REMOVER		

EVERPURE WATER YOU CAN TRUST ESO 7 Three-Stage Blending Cartridge

Provides Softened, Buffered, and Filtered Water



- Reduces hardness in water that can cause minerals to build-up in coffee and espresso equipment
- Utilizes ion exchange resin with buffering capabilities and high capacity coconut carbon filtration
- Buffering prevents water from becoming too acidic
- Reduces calcium, magnesium, cholorine, iron, off tastes and odors
- Capacity: 600 gallons @ 150 ppm
- Max. Flow: 0.5 gpm
- Working Press.: 10-125 psi, non-shock
- Max. Temp.: 35–100° F (2–38° C)
- No electrical connection required

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96009	9607-25 ESO-7 SOFTENING CARTRIDGE	

Nu-Calgon Humidi-Treat Humidifier Treatment



Humidi-Treat is designed for humidifiers using up to 25 gallons per day, and will inhibit scale for one season. Install Humidi-Treat on the water line that supplies water directly to the humidifier.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	90168	4190-02 HUMIDI-TREAT		

Nu-Calgon CompleteCare Mini-Split Kit



- Cleans, disinfects, deodorizes, and controls mold and mildew
- Disinfects against Staphylococcus aureus, Salmonella enterica and Pseudomonas aeruginosa
- Protects condensate pans and lines from plugging
- Treats 2–3 Mini-Splits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	96012	4151-08 COMPLETE CARE MINI-SPLIT KIT		

Nu-Calgon Vital-Flo Descaler Kit

For Tankless Water Heaters



Restore heat and flow capabilities of tankless water heaters by dissolving scale formed by naturally occuring minerals in the water supply. Vital-Flo is safe on metals in tankless water heaters.

Kit is packaged in a 4-gallon, chemical-resistant container with lid and includes the following.

- Submersible descaler pump
- (2) 5' long, 3/4" hose assemblies
- 8 oz. Vital-Flo descaler

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	40056	4387-01 TNKLS WTR HTR DESCALER KIT	
12	EA	40057	4387-02 8 FL. OZ. TNKLS WTR HTR DESCALER REFILL	

Nu-Calgon Scale Removers



Liquid Scale Dissolver

A hydrochloric (muriatic) acid formulated to remove calcium scales from cooling towers and other water cooled equipment. Contains low-foaming corrosion inhibitors and a built-in pH color indicator. pH test paper also included.



Calci-Solve

Forms a protective coating on pipes, drains, and equipment while acid does the work. Quickly dissolves the heaviest rust and mineral scale deposits in cooling towers, air conditioning, heating, and all types of heat exchange equipment.

5 Gallon

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	95968	4330-05 5 GAL LIQUID SCALE DISSOLVER		

1 Gallon

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	95454	4134-08 1 GAL CALCI-SOLVE SCALE REMOVER	

Grez-Off



Grez-Off is a powerful, biodegradable degreaser that quickly blasts through heavy grease and grime. It removes heavy grease and soil from engines, mowers, tools, condenser coils, shop machinery, garage floors, asphalt drives, and much more. Grez-Off's biodegradable, non-flammable formula hits hard and fast with less impact on the user and the environment.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	91402	61117 22732 32 OZ GREZ-OFF HEAVY DUTY DEGREASER		

Green Clean



A broad spectrum cleaner that is used in manufacturing plants for heavy degreasing of parts or cleaning shop floors. The food service industry uses Green Clean for cleaning walk-in and reach-in refrigerators and freezers, grease filters, tile floors, stainless steel surfaces and counter tops. Green Clean can also be used to clean motors, blowers, pumps, and air conditioners.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	81304	4186-24 1 QT (32OZ) SPRAY BOTTLE GREEN CLEAN COIL CLEANER		

Duct and EAC Cleaners



Bio-Fresh® cd

Bio-Fresh cd is a ready-to-use bacteriostat, fungistat and deodorizer based upon chlorine dioxide technology. It is recommended for control of bacteria, mold, mildew, fungi and yeast in IAQ applications. Its EPA registration includes application in HVACR ventilating equipment, including coils, condensate pans, filters and duct-work.



Special HD CalClean

An extra-strong blend of surface active agents, alkaline cleaner, degreasers, and corrosion inhibitors specially formulated to remove tobacco tars and other stubborn deposits from electronic air filters as well as condensers and coils. Biodegradable.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	95976	4126-34 1 QT SPRAY BOTTLE BIO-FRESH CD		
4	EA	95960	4143-08 1 GAL CALCLEAN SPECIAL HD COIL CLEANER		

Nu-Calgon Winter Treat



Winter Treat will buffer and balance water conditions, preventing both scale and corrosion while keeping the boiler free of sludge. In addition to all its preventative abilities, Winter Treat also cleans boilers that are already fouled with deposits and corrosion.

- Emulsifies and cleans away rust, corrosion deposits and sludge
- Inhibits system corrosion, foaming and surging
- Inhibits lime scale
- Buffers and balances water conditions

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
4	EA	90191	4390-08 1 GAL WINTER TREAT		
12	EA	90193	4390-32 1 QT WINTER TREAT		

HERCULES® Boiler Liquid

- Seals and repairs cracks and leaks in steam and hot water systems.
- No odors, priming, or foaming.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	50832	30115 1 QT BOILER LIQUID STOP LEAK		

HERCULES® Scout™ Steam Boiler Cleaner

Scout is a non-toxic, odorless steam boiler cleaner that contains fast-acting Trisodium Phosphate (TSP). It stops priming and surging in minutes. Removes rust, scale, oil, foam and impurities without draining or flushing system. Cleans pressure vessels, steam kettles, heat exchangers, steam generators and tanks.

Safe to use on food service, process equipment and other sensitive, critical applications. When used on a regular basis, Scout provides clean, dry steam along with improved boiler efficiency, fuel economy and heat transfer. Will not harm rubber or plastic components. Contains no petroleum distillates.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	50699	35100 113 GRAM SCOUT ODORLESS STEAM BOILER CLEANER		

Super Change

Fast & Easy R-22 System Retrofit



Super Change allows for a fast and easy conversion from R-22, or any mineral/alkylbenzene oil system, to all HFC refrigerants, including POE-based R-407C and R-410A. It works by creating a strong compatibility link between mineral/alkylbenzene oils and HFC refrigerants. No change out of the oil, "O" rings, or gaskets required, eliminating compressor downtine and line set flush.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	93023	981 SUPER CHANGE UP TO 6 TON FIT SYSTEM RETROFIT	

Pro-Flush™ Flushing Solvent



A flushing solvent for A/C and refrigeration systems formulated for R-410A retrofits, refrigerant conversions and compressor burnouts. Compatible with all refrigerants and compressor oils. All solvents in Pro-Flush™ are non-VOC and conform to EPA SNAP standards; low toxicity, non-flammable, residue-free.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	98901	PF-16 16OZ SOLVENT REFILL F/PROFLUSH	

Rx11 Flush

Air Conditioning and Refrigeration System Flush


4300-09


4300-10


4300-15


4300-30


4300-50


4300-89

An ozone-safe solvent engineered specifically for flushing refrigeration and air conditioning systems. Rx11 is strong enough to rinse away particulate, sludge, carbon residues, acids, oils, and water. Prevents time-consuming repeat visits.

4300-08 Flush Kit Includes:
4300-09 Rx11 Flush
4300-51 Rx11 Flush Gun
4300-52 Rx11 Flush Hose
4300-99 Injection Tool

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	90753	4300-08 RX11 FLUSH STARTER KIT	
6	EA	95979	4300-09 RX11 1LB CANISTER (3-4TON) AC/R SYSTEM FLUSH	
1	EA	90186	4300-10 RX11 2+1 DISPLAY PACK AC/R SYSTEM FLUSH	
1	EA	90192	4300-15 RX11 13 LB CYLINDER FLUSH AC/R SYSTEM	
6	EA	96007	4300-30 RX11 19.5 OZ FLUSH LIQUID CAN	
1	EA	96008	4300-38 RX11 FLUSH STARTER KIT (TANK,GUN & HOSE)	
1	EA	95927	4300-50 RX11 FLUSH LINE-SET INJECTION TOOL	
1	EA	90196	4300-89 RX-11 FLUSH INJECTION VALVE	

Nu-Calgon Drain Pan Treatment



Gel Tabs



Pan-Treat Tablets



Pan Pads



PH Treat

Gel Tabs
Gel Tabs protects drain pans against clogs and eliminates foul odors. The gel formation locks the tab into place; last up to 3 months.

Pan-Treat Tablets
Pan-Treat is safe, non-corrosive, non-toxic, and biodegradable. It is completely soluble in water and it does not formdeposits in the drain pan.

Pan Pads
Fits most pan configurations and doesn't float. Combat a broad spectrum of bacteria including Legionella. 9 month service life.

PH Treat
The PH Treat filter contains a specialized media that raises the pH to near neutral.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	90247	4185-05 5 TON (6 TABLET TUBE) GEL TABS DRAIN PAN TREATMENT		
24	EA	95964	4295-34 3/4 OZ 5 TON CAPACITY PAN PADS DRAIN PAN TREATMENT		
24	EA	95978	4295-36 5 TON PAN PADS DRAIN PAN TREATMENT		
12	EA	95975	4296-60 200 COUNT PAN TREAT CONDENSATE TABLETS		
6	EA	90167	4720-06 PH-TREAT		

DiversiTech Flow Plus™ Condensate Pan Treatment



Flow Plus™ incorporates the latest water treatment technology designed to keep dust and other environmental debris dispersed and suspended, eliminating plugged condensate lines which result in drain pan overflow. Flow lines which result in drain pan overflow. Flow Plus is a completely-soluble, moisture-activated condensate pan treatment, that leaves no dispenser, bag or residue to be removed.

Features
- Condensate activated
- Time released
- No residue or waste
- Combats offensive odors
- Stays in place
- Safe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	98910	FLOW-PLUS-25 COND PAN TREATMENT 25 TAB/JAR		

A/C Drain Sucker



The A/C Drain Sucker quickly removes clogs caused by slime and sludge build-up and removes the excess water from A/C condensate drains, resolving overflow problems. The kit includes PurCool® Shock Tablets to clean and treat the remaining slime and sludge in the pan and lines, as well as a PurCool Pan Strip to provide months of preventive treatment and free flowing drains.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	91406	61308 CADS1 A/C DRAIN SUCKER KIT		

PurCool Green & PurCool Strips

Condensate Drain Pan Treatment





PurCool Green Strips

PurCool Green strips prevent slime and sludge build-up in air conditioning and refrigeration condensate drain pans. They utilize unique, environmentally friendly plant based suspending and dispersing action to prevent build-ups, overflows, and odors in drain pans. PurCool Green will slowly dissolve in the condensate water providing preventive treatment for 4–6 months. PurCool Green does not contain any harsh chemicals or biocides, making them safer for the user and the environment.

PurCool Strips

Purcool strips are powerful, economical, preventive maintenance for air conditioning condensate drain pans. Just place them anywhere in the drain pan where the PurCool strips will contact the condensate water and enjoy up to six months of economical protection. PurCool Strips will adhere to the drain pan and will not float or move. They dissolve completely, leaving no residue. Safe for metal and plastic drain pans.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	91395	61044 PCG5MS UP TO 5 TON PURCOOL GREEN MINI STRIP		
12	EA	91396	61041 2003D 10 TON PURCOOL COMMERCIAL STRIP		
12	EA	91394	61042 2001D 5 TON PURCOOL STRIPS		

Liquid Spray Deodorizer



ClenAir Liquid spray deodorizer is a fast-acting deodorizing system. Unlike regular deodorizers that simply use heavy perfumes and oils to disguise odors, ClenAir eliminates odors via an oxidation process while leaving a fresh scent. ClenAir is also biodegradable, non-toxic, non-staining, and approved for usage in homes and businesses.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	91393	61030 1600D 16 OZ CLENAIR LIQUID UNSCENTED SPRAY		

Odor Neutralizer



ClenAir Odor Neutralizer is a unique odor neutralizer, not a perfume or cover-up. It eliminates unpleasant odors from the air, neutralizing those caused by smoke, mold, mildew, cat litter, and pets, as well as the noxious smells created by formaldehyde, hydrogen sulfide, and other chemicals.

ClenAir Odor Neutralizer is used by hospitals, nursing homes, hotels, and many other businesses. It can be used in homes, basements, locker rooms, cars, boats, and any other space that needs refreshing.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	91390	61001 1500D 1/2 LB TUB ORIGINAL CLENAIR ODOR NEUTRALIZER		
4	EA	91391	61004 1503 3 LB TUB ORIGINAL CLENAIR ODOR NEUTRALIZER		
12	EA	91392	61010 1800D 1/2 LB CHERRY CLENAIR ODOR NEUTRALIZER		
4	EA	91387	61013 1803 3 LB TUB CHERRY CLEANAIR ODOR NEUTRALIZER		

HVAC Odor Block



Improve indoor air quality by treating the air through the HVAC system. ClenAir HVAC Odor Block is not a perfume mask or cover-up. The unique formula molecularly reacts with the airborne odor-causing compounds and eliminates them and other indoor pollutants leaving clean, fresh air behind.

HVAC Odor Block eliminates odors caused by mold, mildew, bacteria, pets, smoke, water damage, fire damage, paints, chemicals, animal decay, stale air, garbage areas, sewer gases, skunks, and more.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
2	EA	91398	61061 CA1015 10-15 TON HVAC SYSTEM COMMERCIAL ODOR BLOCK		
3	EA	91388	61070 HVAC ODOR BLOCK XL		

MiniFresh® Odor Neutralizer



- Ideal for mini-splits, PTACS, and other ductless systems
- Keeps mini-split coil and blower clean and fresh.
- A true odor neutralizer—not an odor mask or cover-up
- One MiniFresh® treats up to one 12,000 BTU indoor unit for up to 3 months.
- Eliminates odors and improves indoor air quality.
- Unique self-feeding package

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
8	EA	70139	61065 TUBE CLENAIR MINIFRESH		

Nu-Calgon Leak Detectors

for Gases, Refrigerant, and Heat Exchangers



4180-53



4182-08



4182-24



4182-35



4182-53



4184-24



4184-53

Clear Gas Leak Detector (4180-53)

A high viscosity liquid. Freeze point of below 0° F.

Cal Blue (4182-08)

High viscosity to enhance contact time. Non-c corrosive, oxygen safe, and freeze-protected to 5° F.

Cal Blue Plus (4182-24, -35, -53)

High viscosity formula enables it to remain in contact with the applied surface for an extended period of time allowing smallest of leaks to be found. It is also non- corrosive, oxygen safe, and freeze-protected to 5° F. Does not affect UV lights.

Flourescent Gas Leak Detector (4184-24, -53)

- High viscosity formula remains in contact with the surface allowing the smallest of leaks to be detected.
- Non-corrosive to metal to maintain the integrity of piping, tubing, and fittings.
- The fluorescent color enhances the visibility of bubbles.
- Freeze-protected.
- Safe for use on all refrigerants, natural gas, and oxygen.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	90187	4180-53 6 OZ WITH DAUBER CLEAR GAS LEAK DETECTOR		
4	EA	90177	4182-08 GAL CAL BLUE GAS LEAK DETECTOR		
12	EA	90176	4182-24 1 QT SPRAY BOTTLE CAL BLUE PLUS GAS LEAK DETECTOR		
6	EA	90206	4182-35 7OZ PRESSURIZED CAL-BLUE PLUS GAS LEAK DETECTOR		
24	EA	90188	4182-53 6 FLUID 0Z WITH DAUBER CAL BLUE PLUS GAS LEAK DETECTOR		
12	EA	90146	4184-24 1 QT SPRAY BOTTLE FLOURESCENT GAS LEAK DETECTOR		
12	EA	90194	4184-53 8OZ BOTTLE WITH DAUBER FLUORESCENT GAS LEAK		

LA-CO®

Sure Chek Leak Detector



All temperature formula: -55° to 220° F. Ultra-sensitive, long-lasting bubbles. Fluorescent for improved visibility. Safe for all metals, plastic, rubber, etc. Non-corrosive, non-toxic formula.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	50820	95466 1 PT SURE CHEK LEAK DETECTOR		

Big Blu Leak Detectors



RT100S



RT100G



RT150S

Big Blu
A strong and persistent film forming liquid that excels in the field identification of gas leaks. Capable of detecting microgas leakage down to 0.65 ounces per year.

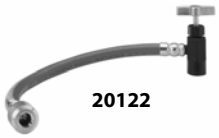
Super Blu
Maintains a uniform viscosity over the temperature range of -30 to 200° F. Remains flowable on the coldest of days while remaining bulky and resistant to evaporation on hot discharge lines.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	95483	RT100G GAL +35 TO 177 F BIG BLU MICRO LEAK DETECTOR	
12	EA	95484	RT100S QUART +35 TO 177F BIG BLU MICRO LEAK DETECTOR	
12	EA	95485	RT150S QT (-.30 TO 202 F) SUPER BLU HI/LO TEMP LEAK DETECTOR	

MaxiPro Leak Detection Kit


98087

98087 Maxi Pro Kit
- Features Vector 7 LED UV light
- Cordless and rechargeable
- Full charge lasts 5 hours
- Includes AC & DC charger
- No UV enhancement glasses needed
- Includes quick 7 step installation video
- **Kit Includes:**
- Heavy-duty carrying case
- 3 cans of flash dye
- UV LED light


20122

980 Flash High Resolution Dye
An advanced class of UV dye that disctibutes cleanly and instantaneously into all systems.
- For all systems up to 5 tons



980

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93025	98087KIT FLASH MAXI PRO 87 LEAK DETECTION KIT	
12	EA	93020	980 230BTU TO 5T REPLACEMENT ULTRA VIOLET DYE	
1	EA	93021	20122 CLEAR UNIVERSAL CAN TAPPER CHARGING HOSE	

Nu-Calgon A/C Easy Seal


4050-01


4050-06


4051-99


4050-02

Prevents and repairs leaks in air conditioning and refrigeration systems. It finds leaks faster and uses less sealant by traveling with the refrigerant rather than with the oil.

- 4050-01 treats systems up to 1-1/2 tons
- 4050-06 treats systems from 1-1/2 to 5 tons
- 4051-99 is a reusable piercing valve and charging hose
- 4050-02 two 4050-06 cans and one 4051-99 hose

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	90748	4050-01 1.25 OZ PRESSURIZED CAN A/C EASYSEAL SS		
6	EA	90750	4050-06 3 OZ PRESSURIZED CAN A/C EASYSEAL		
1	EA	90752	4051-99 A/C PIERCING VALVE & HOSE		
1	EA	90749	4050-02 2+1 DISPLAY PACK A/C EASYSEAL		

Nu-Calgon EasySeal Direct Inject


4050-05


4050-07, -08, -11

Stongest leak sealant on the market uses an injection method that eliminates the need to pump-down the unit and no injection hose or caulk gun is needed. The clear tube allows the service tech to see the sealant being injected and the concentrated formula means less material in the system. EasySeal Direct Inject is OEM approved not to clog manifold gauges and it is proven not to plug TXVs, capillary tubes, or pistons.

- 4050-05: Treats systems 1-1/2 and under.
- 4050-07: Treats systems 1-1/2 to 5 tons.
- 4050-08: Treats systems 1-1/2 to 5 tons. 6 pack.
- 4050-11: Treats systems 1-1/2 to 5 tons. Sealant formula includes UV dye for detection of larger leaks. Use with UV light.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	70138	4050-05 EASY SEAL-SS DIRECT INJECT		
6	EA	90201	4050-08 EASY SEAL DIRECT INJECT		
1	EA	90203	4050-07 BULK 6 PACK EASY SEAL DIRECT INJECT		
6	EA	90205	4050-11 EASYSEAL-UV DYE DIRECT INJECT		

Universal Technologies Inc. A/C Leak Freeze



Standard Features

- Permanently seals leaks in A/C and refrigeration systems
- Use with R-11, -12, -14, -22, -23, -123, -124, -134a, -141b, -404A, -407C, -410A, -502, -503, -507, 600
- Will continue to seal additional leaks for up to 1 year
- Non-clogging to A/C compressor and recovery unit

Additional Features of AC Leak Freeze with Magic Frost

- Extends compressor life and reduces noise
- Improves system lubrication and reduces friction
- Cleans and revitalizes the A/C system
- Reduces energy consumption

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	95903	45322 00286 1.5 OZ 1/4 IN ADAPTER A/C LEAK FREEZE W/MAGIC FROST	
12	EA	95906	45321 00282 1.5 OZ A/C LEAK FREEZE W/MAGIC FROST CARTRIDGE	
12	EA	95904	45312 00284 1.5 OZ 1/4 IN ADAPTER A/C LEAK FREEZE	
12	EA	95905	45311 00280 1.5 OZ A/C LEAK FREEZE CARTRIDGE	

CLIPLIGHT Super Seal





944 Kit Super Seal Advanced
- Stop leak plus Dry R
- Repairs cooling, chilling, and refrigeration leaks
- One-time, throwaway kit
- For most residential systems 1-1/2 ton to 5 ton
- 30 oz. of oil required in sump

946 Kit Super Seal Premium
- Professional automotive stop leak
- Permanently seals leaks in condensers, evaporators, accumulators, compressors, gaskets, o-rings, and metal or rubber hoses.
- For all mobile A/Csystems R-134a and R-12/R-22
- Circulates in the A/C system to prevent future leaks

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	93016	944KIT 1 1/2T UP TO 5T SUPER SEAL	—
12	EA	93018	946KIT AUTOMOTIVE ONLY SUPER SEAL PRO/PREMIUM	—

CLIPLIGHT Super Seal Total™ Maintenance Kit



Super Seal Total™ maintenance kit contains:
- Super Seal
- Dry R
- UV Tracer Dye
- Hose

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN
12	EA	93022	972KIT SYSTEMS 1.5T UP 5T SUPER SEAL TOTAL W/DRY R	—

Nu-Calgon EasyDry Moisture Eliminator



4051-06



4051-99

- A/C EasyDry eliminates moisture in refrigeration and air conditioning systems
- Treats up to 5 ton systems
- Compatible with all oils and refrigerants
- Prevents acid from forming

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	90751	4051-06 3 OZ PRESSURIZED CAN A/C EASYDRY	—	—
1	EA	90752	4051-99 A/C PIERCING VALVE & HOSE	—	—

Nu-Calgon Pipe-Dri



Pipe-Dri is an aerosol insulation which provides a moisture barrier to stop sweating and dripping on refrigeration lines, air conditioning lines, and other cold surfaces. Quickly adheres and dries to a hard water proof coating. Pipe-Dri's spray pattern permits spraying of odd shaped fittings and makes it possible to insulate hard to reach areas.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	90171	4297-75 18 OZ AEROSOL CAN PIPE DRI	—	—

Penetrate HD

Super Penetrating Lubricant



Low surface tension formula penetrates into the smallest spaces and breaks and dissolves the bonds of rust and corrosion. Lubricates and protects metals with a dielectric strength to 50,000 V. Penetrate HD displaces water and leaves a lubricating film to protect metal parts and further prevent rust and corrosion. For industrial and professional use only.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	91400	61105 AK12 12 OZ SUPWE PENETROIL AEROSOL		

Degalvanizer



Specially formulated light weight oil and penetrant that releases galvanizing build-up while providing a micro-thin film of lubrication for continued protection and improved quality of sheet metal machinery parts.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	42083	310006 DEGALVANIZER 11OZ. CAN	

Rust Breaker



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	96000	CR-1 RUST BREAKER 4OZ	

Cryo-tek-100 Anti-Freeze



Cryo-tek-100 is a 70% propylene glycol with corrosion inhibitor, pre-mixed ready to use formulation. Provides freeze protection to -60° F, a minimum flow to -70° F, and burst protection to -100° F. Cryo-tek-100 can be diluted with water for less severe conditions.

The virgin propylene glycol used in Cryo-tek is General Recognized As Safe (GRAS) for incidental contact with food. For use in hydronic closed loop heating and cooling systems, solar heating systems, and general plumbing systems that require freeze protection.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	95953	35281 1 GAL CRYO-TEK-100 PROPYLENE GLYCOL		
1	EA	95954	35284 5 GAL CRYO-TEK-100 PROPYLENE GLYCOL		

Cryo-tek-100/AL



For use in boilers with aluminum heat exchangers only. 70% virgin, propylene glycol with triple protection inhibitor package premixed with water in a ready-to-use formulation. Undiluted, provides freeze protection to -60° F, minimum flow to -70° F, and burst protection to -100° F. Dilute for less severe conditions.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95933	35283 5 GAL CRYO-TEK-100AL PROPYLENE GLYCOL	

Glycometer



A glycometer is a glycol refractometer for measuring anti-freeze levels of propylene glycol or ethylene glycol in HVAC systems and is an accurate and economical tool. It eliminates the guess work from the job and prevents wasteful over-treatment.

The glycometer has a metal body with cushioned eyepiece, focus adjustment, and a rubber hand grip. Included with each is a calibration screwdriver, calibration fluid, platic pipette, optical cleaning cloth, and a rugged carrying case.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	91405	61301 GLY32 GLYCOL REFRACTOMETER	

Hydrometer



A quick means to determine the degree of freeze protection when using pipe saver anti-freeze.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95955	PSH PIPE SAVER HYDROMETER	

Group 6 Refrigeration

Group 6 Refrigeration

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Honeywell Refrigerant

Genetron® Refrigerants

- Deposit required on 125 lb. cylinders

Air Conditioning (Commercial and Residential) **Prices Available on Request**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
40	EA	90048	R-22 30 LB REFRIGERANT
40	EA	90059	R-407C 25 LB REFRIGERANT
8	EA	90089	R-407C 115 LB REFRIGERANT
0	EA	90088	R-407C 115 LB CYL DEPOSIT
40	EA	90047	R-410A 25 LB REFRIGERANT
1	EA	90081	R-422D 25 LB REFRIGERANT
8	EA	90239	R-422D 110 LB REFRIGERANT
1	EA	90091	R-422D 110 LB CYL DEPOSIT

Commercial Refrigeration Low and Medium Temperature HCFC-Based Replacements

8	EA	90024	R-408A (FX10) 100 LB REFRIGERANT
1	EA	90025	R-408A 100 LB CYL DEPOSIT

Low and Medium Temperature HFC-Based Replacements

40	EA	90044	R-404A 24 LB REFRIGERANT
8	EA	90045	R-404A 100 LB REFRIGERANT
1	EA	90046	R-404A 100 LB CYL DEPOSIT
40	EA	90083	R-507A (AZ50) 25 LB REFRIGERANT
8	EA	90084	R-507A (AZ50) 100 LB REFRIGERANT
1	EA	90085	AZ-50(R507A) 100 LB CYL.DEPOSIT

Low and Medium Temperature HFO Replacements

1	EA	90252	R-448A (N40) 25 LB REFRIGERANT
8	EA	90250	R-448A (N40) 100 LB REFRIGERANT
1	EA	90251	R-448A (N40) 100 LB CYL DEPOSIT

Medium Temperature HFC-Based Replacements

40	EA	90075	R-134A 30 LB REFRIGERANT
8	EA	90077	R-134A 125 LB REFRIGERANT
1	EA	90078	R-134A 125 LB CYL DEPOSIT

HUDSON TECHNOLOGIES R-22 Refrigerant

Air Conditioning (Commercial and Residential) **Prices Available on Request**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
60	EA	90240	R-22 10 LB REFRIGERANT

ICOR International R-422C One Shot Refrigerant Replacements



R-422C One Shot™ Refrigerant Replacement

One Shot replaces R-502, R-22(LT), R-507A, R-404A, R-402A, R-402B, and R-408A.

One Shot is a non-ozone depleting HFC blend that can be used to replace R-502 in low and medium temperature applications, R-22 in low temperature applications, and even in systems originally designed for R-404A and R-507A. One Shot provides adequate oil return in mineral oil based systems without any significant engineering changes.

- Compatible with MO, AB, and POE based oils.
- Zero ozone depletion protential, non-toxic, and nonflammable
- Suitable for new and existing equipment
- Can be topped off repeatedly
- Suitable for use with HFC leak detectors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
1	EA	90079	R-422C 24 LB ONE SHOT REFRIGERANT		

Hot Shot 2 Refrigerant Replacement



Hot Shot 2 is an ozone safe, reliable, and affordable HFC replacement for R-22 and other R-12 interim replacement. With Hot Shot 2 there is no need to perform a costly and time consuming compressor oil change. Hot Shot 2 is fully comparible with all compressor oils.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
1	EA	90241	HOT SHOT 2 25LB HFC R-12 REPLACEMENT		

NU-22B R-22 Refrigerant Replacement



NU-22B is an HFC-based R-22 replacement that is compatible with both synthetic and mineral oil (MO, AB, POE). It is proven to be compatible with all standard equipment components and materials used in R-22 manufactured systems.

NU22B is fully suitable for use in scroll, screw, rotary and reciprocating compressors and it is non-toxic and non-flammable.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
1	EA	90071	NU-22B (R-422B) 25 LB REFRIGERANT		

R-290 Refrigerant Grade Propane



R-290

A refrigerant grade propane that is growing in use due to its low environmental impact. R-290 is highly flammable and is only acceptable for use by the EPA in small charge applications. It is illegal to convert any existing ACR system designed for use with CFCs, HCFCs, or HFCs, to R-290 or any other flammable refrigerant. Always refer to the EPA's SNAP list (Significant New Alternatives Policy) for a complete list of acceptable uses. Go to www.EPA.gov and search SNAP.

290-Kit Contains:

- 2 cans R-290 (Propane) 14.11 oz (#R-290-14)
- 1 valve tool (#HC-VLV)
- 1 pressure temperature chart
- 1 R-290 Safety Data Sheet

R-290

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-299	PC-2 300-599	PC-3 600-1199	PC-4 1200
6	EA	90207	290-KIT R-290 SYSTEM SERVICE KIT				
20	EA	90208	R-290-14 R-290 DISPOSABLE CAN - REFILL				

Valve Tool

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	90209	HC-VLV CAN VALVE TOOL	

Liquid Charging Adapter

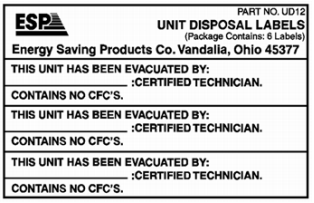


Liquid charging is recommended when charging blends into refrigeration and air conditioning systems, and a liquid charger adapter is necessary for safe and fast liquid charging through the low side of the system.

- 1/4" liquid charging adapter.
- Metering element reduces liquid flow to a level below capacity of compressor.
- Accepts liquid refrigerant from the cylinder and discharges into low side of the system.
- Eliminates time and effort of heating cylinders.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54795	LC-4 LIQUID CHARGING ADAPTER	

Refrigerant Disposal Labels



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	91594	UD12 UNIT DISPOSAL LABELS	

Honeywell Refrigerant Recovery Cylinders

Genetron® Refrigerants

For recovery, reclamation, transportation, recycling, and storage of refrigerant.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	90002	RECOVERY CYLINDER PROCEDURE	
1	EA	90139	30# DOT RECOVERY CYLINDER 400PSI STEEL HIGH PRESSURE	
1	EA	90101	50# DOT RECOVERY CYLINDER 400PSI STEEL HIGH PRESSURE	
1	EA	90117	50# DOT RECOVERY CYLINDER 350PSI STEEL LOW PRESSURE NON-STOCK	
1	EA	90099	125# DOT RECOVERY CYLINDER	
1	EA	90105	125# DOT RECOVERY CYLINDER HIGH PRESSURE	
1	EA	90103	200# DOT RECOVERY DRUM F/R-11 OR R-113	
1	EA	90152	1000# DOT RECOVERY CYLINDER 400PSI STEEL HIGH PRESSURE	

NOTE: Tanks for use with R-400A must be rated 400 PSI.

Copeland® brand products Refrigerant Oil



998-E022-01

POE Oil

Viscosity Range	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
110	12	EA	96630	998-E022-00 1 QUART COPELAND POE OIL	
110	4	EA	96629	998-E022-01 1 GALLON COPELAND POE OIL	

Alkylbenzene Oil

200	6	EA	96631	998-AB52-01 1 GALLON COPELAND ALKYLBENZENE OIL	

Nu-Calgon Refrigerant Oil



4304-07



4316-44



4310-07



4308-07



4311-07

Mineral Oil

Viscosity Range	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
150	6	EA	90184	4303-07 1 GAL 150 SUS C-3 MINERAL OIL		
300	6	EA	90185	4304-07 1 GAL 300 SUS C-4 MINERAL OIL		

POE Oil

300	12	EA	90151	4316-44 1 QT 68H EMKARATE POE OIL - CARLYLE		
300	4	EA	90150	4316-46 1 GAL 68H EMKARATE POE OIL - CARLYLE		
125	12	EA	90198	4314-64 1 QT 32-3MAF EMKARATE POE OIL		
150	4	EA	90144	4314-66 1 GAL UNIQEMA RL32-3MAF EMKARATE RL POE OIL		

Alkylbenzene Oil

140-160	6	EA	90121	4310-07 1 GAL ZEROL 150 SUS ALKYLBENZENE REFRIGERATION OIL		
150	6	EA	90123	4308-07 1 GAL ZEROL 200TD ALKYLBENZENE REFRIGERATION OIL		
290-310	6	EA	90122	4311-07 1 GAL ZEROL 300 SUS ALKYLBENZENE REFRIGERATION OIL		

The Shield™ Refrigerant Locking Caps
and Tools



SHLD-U4


SHLD-3


SHLD-Bit


SHLD-Multi

SHLD-U4, SHLD-G4, SHLD-P4
Designed to meet IMC and IRC codes to prevent refrigerant theft and "huffing" related liability.
- Prevents leaks and excessive energy loss
- Waterproof sleeve
- All brass design, no corrosion
- Tamper proof key

SHLD-3 Stubby Screwdriver
- Comes with 1 bit

SHLD-Bit Key
- Bit key piece
- 2-pack

SHLD-Multi Screwdriver
- Handle contains 3 bits plus one 2-sided bit
- Compatible with Shield, Navent, and C&D locking caps

Locking Caps

Includes	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Black Universal Sleeve	1	PKG	54810	SHLD-U4 UNIVERSAL SHIELD REFRIGERANT LOCKING CAPS 4/PK	
Green Sleeve for R-22	1	PKG	54811	SHLD-G4 R-22 SHIELD REFRIGERANT LOCKING CAPS 4/PK	
Pink Sleeve for R-410A	1	PKG	54812	SHLD-P4 R-410 SHIELD REFRIGERANT LOCKING CAPS 4/PK	

Tools

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54814	SHLD-3-DRIVER MAGNETIC STUBBY DRIVER W/BIT	
1	PKG	54813	SHLD-BIT SHIELD TAMPER PROOF BIT 2-PK	
1	EA	54815	SHLD-MULTI UNIVERSAL LOCKING CAP KEY	

A/C Re-New Compressor Lubricant

Use with POE, Mineral, and Alkylbenzene Oils



4057-55


4155-01

4057-55 A/C Re-new

- Quiets noisy compressors
- Reduces energy consumption
- Improves heat transfer in the evaporator and condenser
- Use one 4 oz. unpressurized can for R-22, R-407C, and R-410A systems up to 5 tons
- Use multiple cans for systems larger than 5 tons

4155-01 Connect Injector Tool

- For use with Connect Inject family of products, but not required
- Couples Connect Inject to low-side service port of system
- Consists of two 1/4" female SAE fittings with valve core depressors
- Isolation valve allows air purge

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	96006	4057-55 4OZ CAN UNPRESSURIZED R410A AC RE-NEW COMPRESSOR LUBRICANT		
1	EA	93104	4155-01 CONNECT INJECTOR TOOL		

A/C Re-New® and A/C Restart™ Connect Inject

Quick, One-Time, Disposable Injectors



4057-56



4060-56

4057-56 A/C Re-New

- OEM approved for aiding sticking valves
- Quiets noisy systems and lowers energy usage.
- Aids oil return/heat transfer with R-407C and R-22 drop-ins
- Treats up to 5 tons; for systems 5–10 tons.

060-56 A/C Restart

- POE lubricant treatment specifically for R-22 retrofits
- Eliminates oil change-out by boosting oil return
- Rx-Acid Scavenger technology that addresses trace acids at retrofits.
- Treats up to 5 tons; for systems 5–10 tons.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	70136	4057-56 4 OZ A/C RE-NEW CONNECT INJECT		
6	EA	70137	4060-56 4 OZ A/C RESTART CONNECT INJECT		

RTK™ Refrigerant Retro-fit Test Kit



Use RTK with Emkarate polyol ester lubricants to analyze residual mineral oil content during retro-fit. In preparation for retrofitting a system to an HCFC, HFC, or HC refrigerant, the existing mineral oil must be flushed out and the crankcase refilled with a compatible lubricant.

The RTK retro-fit test kit gives you a simple but accurate indication of whether or not the mineral oil has been reduced to an acceptable level. The RTK gives a visual indication if the mineral oil content is greater than 5%, between 1% and 5%, or below 1%. This allows the technician to easily and inexpensively meet the requirements of the system manufacturer.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	95937	RTK RETRO-FIT KIT	

T30251 Oil Transfer Pump



Designed to pump oil into a system while the unit is operating, the transfer pump moves oil into the compressor on the down stroke while the system is under pressure, resulting in easier pumping on the positive stroke. The universal rubber adapter is designed to fit all 1-, 2.5-, and 5-gallon containers. The T30251 works against 200 psi of pressure and is compatible with all oil types including synthetic, mineral and polyol ester. Pumps 2.6 ounces (78 ml) per stroke.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83181	T30251 OIL TRANSFER PUMP	

Oil Injector

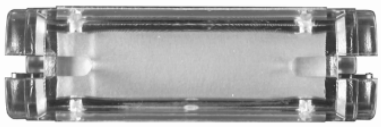


Rugged aluminum construction with an "O" ring seal. Male fitting is at one end of short length of hose with Schrader; ball valve for control is on the other end with a short length of hose. Valve depressor in the female end. Injector saves time on applications such as adding oil or UV dye and pushing oil with refrigerant or pulling with vacuum.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82655	69562 4 OZ OIL INJECTOR	

QwikProducts™

Refrigerant Acid Test and Treatment









QwikCheck® Acid Test Kit

- Ideal for preventative maintenance checks or for verifying acid clean-up after a compressor burn-out and change-out.
- 5-second refrigerant acid test.
- Simple color change indicates acid.
- Works with all refrigerants and oils.
- Meets EPA venting rules.

Qwiklug™ Compressor Terminal Repair Kit

- A quick and simple method to attach leads to damaged compressor terminal.
- Attaches to damaged spade connectors.
- Tightens quickly with Phillips screwdriver.
- Nylon connectors prevent short circuits.
- Durable connection tested for more than 100,000 compressor starts.
- 10AWG or 12AWG leads in 2 ft. lengths.

QwikShot® Refrigerant & Oil Treatment

- Carries unwanted acid into the filter drier where the acid and the QwikShot are removed without leaving any residue.
- Guaranteed not to invalidate the manufacturer's warranty
- Safe for all systems.
- Works with all refrigerants, oils, and filter-driers.
- One bottle treats up to a 6-ton unit and removes up to 26 drops of moisture.

QwikInjector® Service Tool for use with QwikShot®

- Use this simple tool to inject QwikShot acid treatment into operating systems.
- This tool is to be used with an ordinary gauge set.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	90134	QT2000 QWIKCHECK ACID TEST KIT	
25	EA	90163	QT2501 QWIKSHOT FRIG & OIL TREATMENT	
6	EA	90136	QT2510 QWIKINJECTOR 0.5 OZ. LIQUID INJECTOR	
10	BAG	90137	QT2810 QWIKLUG - 10 AWG LEADS 3 TERM COMPRESSOR REPAIR LUGS	
10	BAG	90138	QT2812 QWIKLUG - 12 AWG LEADS 3 TERM COMPRESSOR REPAIR LUGS	

White-Rodgers Universal Acid Alert Test Kit



The Acid Alert Test Kit contains two bottles and a four-step procedure to provide consistent test results. The phase separation provides a positive color change regardless of the color or condition of the oil. Each kit contains everything needed to conduct one test. Can be used with all refrigeration lubricants.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	EA	94340	AA UNIVERSAL ACID ALERT KIT	

Nu-Calgon Rx Acid Scavenger

Acid Neutralizer



Rx-Acid Scavenger provides a better, more convenient way to neutralize or "scavenge" acid in refrigeration or air conditioning systems after burnouts or during normal on-going system maintenance. Normal dosage rate is 2 fl. oz. of Rx-Acid Scavenger for one gallon of system oil (50% less than other acid neutralizing products). This "low treat" feature means far less material has to be added to the system. Rx-Acid Scavenger is formulated for use with all lubricants including mineral, alkylbenzene and POE oils.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	90190	4301-02 2 OZ UNPRESSURIZED RX-ACID SCAVENGER		
6	EA	90249	4301-05 3.8OZ PRESSURIZED RX-ACID SCAVENGER		

MAINSTREAM Engineering Corporation EPA Section 608 Technician Certification

Self-Study Course



Since November 14, 1994, EPA-Approved Section 608 certification is needed to service building air conditioning and refrigeration systems. Technicians receiving a Universal Certification are certified to recover refrigerant during the maintenance, service or repair of small appliances high-pressure equipment and low-pressure equipment; they are certified to work on any type of air conditioning and refrigeration equipment except motor vehicle air conditioning.

- Test administered at your local G.W. Berkheimer store
- EPA approved test for Type I, II, III, and Universal
- Receive your EPA certification card, video tape, audio tape, reference manual, Qwik Study Guide, practice tests, and EPA final test
- Course material presented quickly and easily
- Price includes EPA certification test and card
- Pass the test the first time
- No waiting for a class to form
- Results available online at www.epatest.com
- Exams processed within 2 business days
- Toll free customer support

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	95001	QT3100 QWIK 608 SELF STUDY EPA COURSE (TEST NOT INCLUDED)	
5	EA	95002	QT3001 QWIK 608 UNIVERSAL TEST ONLY	

Copeland® brand products General Notes

- Specifications are subject to change without notice.
- Dimensions and tube locations pictured are for standard Copeland models. They are not intended to be an accurate representation of all compressors.
- With state-of-the-art compressor technology and the industry's emphasis on efficiency, compressor characteristics such as horsepower and displacement are no longer a viable means of selecting replacement compressors. Today's high efficiency compressors will have a greater capacity for a given horsepower (BTU/HP). Therefore capacity (BTU/HR) is the only acceptable means of selecting a replacement compressor.
- Crankcase heaters are strongly recommended on all systems where the compressor is exposed to cold ambient temperatures, on all split air conditioning systems, and on packaged air conditioning equipment 5 HP and larger.
- Replace all starting components on single phase compressors.
- Check and replace the contactor, if required, on three phase compressors.
- Replace liquid line filter drier.
- All of the competitive compressor performance data and/or dimensional data used in this cross-reference guide was taken from published information. Copeland assumes no responsibility for the original data.
- When a compressor has failed and must be replaced, determine the cause of the failure and take corrective action or the replacement compressor will fail.
- For the most current information on Copeland and all other Emerson Climate Technologies Products visit their website at www.emersonclimatecontractor.com

Bill of Material

Copelaweld and Scroll

The last 3 digits of a compressor model number, the bill of material, can tell a lot about the compressor configuration and other details as well. The information below provides some general guidelines.

However, there are always exceptions to these general rules and if specific and precise information on a full and complete model number is necessary you can get that information from your local authorized Copeland wholesaler.

xxxx-xxxx-xxx-Xxx **The first digit __xx:**

- 1xx series (example - 100), used in Copeland condensing units.
- -2xx (example - 202), new production compressors used by OEMs.
- -5xx (example - 501), international compressors, may end up back in the U.S. in equipment.
- -7xx (example - 7M0), OEM service compressor.
- -9xx (example - 959 or - 970), wholesaler service compressors used to replace the above bills of material in most situations which include oil, protector, terminal box cover, and mounting parts in a single carton.

xxxx-xxxx-xxx-xXx **The second digit -x___x:**

- 0=sweat connections.
- 3=sweat connections, no electrical components, usually Scroll and some CRs.
- 5=rotalock connection(s) or a valve welded on the suction side. Exception, some Scroll compressors are sweat.
- 7=sweat connections with terminal flag kit, no electrical components. CRs primarily.

xxxx-xxxx-xxx-xxX **The third digit -xx___:**

- 0=no electrical components with the compressor.
- 1-3=cc heater voltage variation.
- 8=electrical components mounted.
- 9=electrical components remote, in the box with the service compressor.

xxxx-xxxx-xxx-XXX **Copelametic and Discus**

As in other Copeland compressors, the last 3 digits are the bill of material for these compressors.

- -1xx used on Copeland condensing units.
- -2xx new production compressors.
- -5xx international-may come back into this country in equipment.
- -8xx service replacement compressors*.

* These replacement compressors come with oil, protector, a complete gasket set, in a single carton from your authorized Copeland wholesalers. These replacement compressors can be used to replace all of the above in most cases. They are shipped less starting components, service valves and mounting parts. Two stage and capacity control models come less tubing, capacity control valve and coil where applicable.

Copeland Lubricant Data

Some semi-hermetic compressors are shipped to original rack equipment manufacturers (OEMs) less oil. The nameplate on these has an "L" in the eighth digit. Example: 3DA3-075L-TFC-200. This simply indicates the compressor was shipped to the OEM "less oil". The OEMs add the required lubricant required for the equipment application.

xxxx-xxxL-xxx-xxx: L = Shipped to OEM less oil. Oil added by OEM.
xxxx-xxxE-xxx-xxx: E = Compressor charged with Ultra 22 CC Polyol Ester Lubricant.
xxxx-xxxA-xxx-xxx: A = Compressor charged with Ultra 200 Alkybenzene Lubricant.

Compressors without any of the above designations are charged with approved mineral oil.

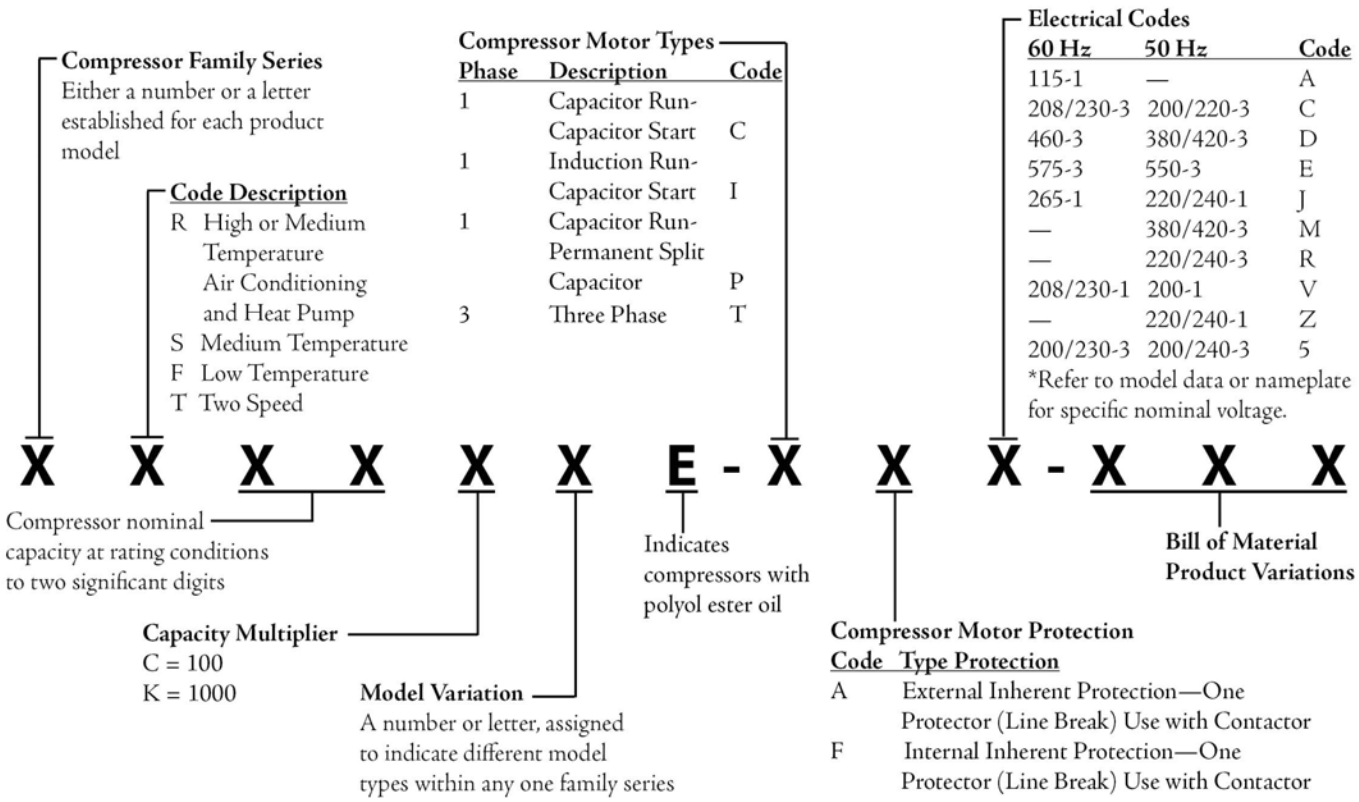
Copeland Warranty Information

Copeland contactors have the standard 12-month Copeland warranty for parts. Copeland requires the return of this product to be considered for warranty (for complete warranty and return procedure details see Copeland's Wholesaler Policies and Procedures Manual, Form No. 88-90W R1).

Copeland has determined that a single-phase motor burn is the result of the malfunction or misapplication of the system contactor(s). Copeland does not warrant 4, 6, or 8 model semi-hermetic service compressors that are determined to have a single-phase motor burn. This applies only to service compressors that were sold after January 1, 2001.

In addition, Copeland reserves the right to issue credit to Wholesalers for 4, 6, or 8 model semi-hermetic service compressors that are determined to have a single-phase motor burn caused by a Copeland contactor. All considerations for credit will require the return of the Copeland compressor, Copeland contactor, wholesaler invoice and contractor invoice. Effective on compressors sold after January 1, 2002, Copeland will no longer issue credit for 4, 6, or 8 model semi-hermetic service compressors that are determined to have a single-phase motor burn caused by a non-Copeland contactor.

Copeland® Copelaweld® Nomenclature



Copelaweld® HFC Nomenclature

Compressor Family Series
Either a number or a letter established for each product model

Code Description

R	High or Medium Temperature Air Conditioning and Heat Pump
S	Medium Temperature
F	Low Temperature
T	Two Speed

Compressor Motor Types

Phase	Description	Code
1	Capacitor Run-Capacitor Start	C
1	Induction Run-Capacitor Start	I
1	Capacitor Run-Permanent Split Capacitor	P
3	Three Phase	T

Electrical Codes

60 Hz	50 Hz	Code
115-1	—	A
208/230-3	200/220-3	C
460-3	380/420-3	D
575-3	550-3	E
265-1	220/240-1	J
—	380/420-3	M
—	220/240-3	R
208/230-1	200-1	V
—	220/240-1	Z
200/230-3	200/240-3	5

*Refer to model data or nameplate for specific nominal voltage.

X X X X X X E - X X X - X X X

Compressor nominal capacity at rating conditions to two significant digits

Capacity Multiplier
C = 100
K = 1000

Model Variation
A number or letter, assigned to indicate different model types within any one family series

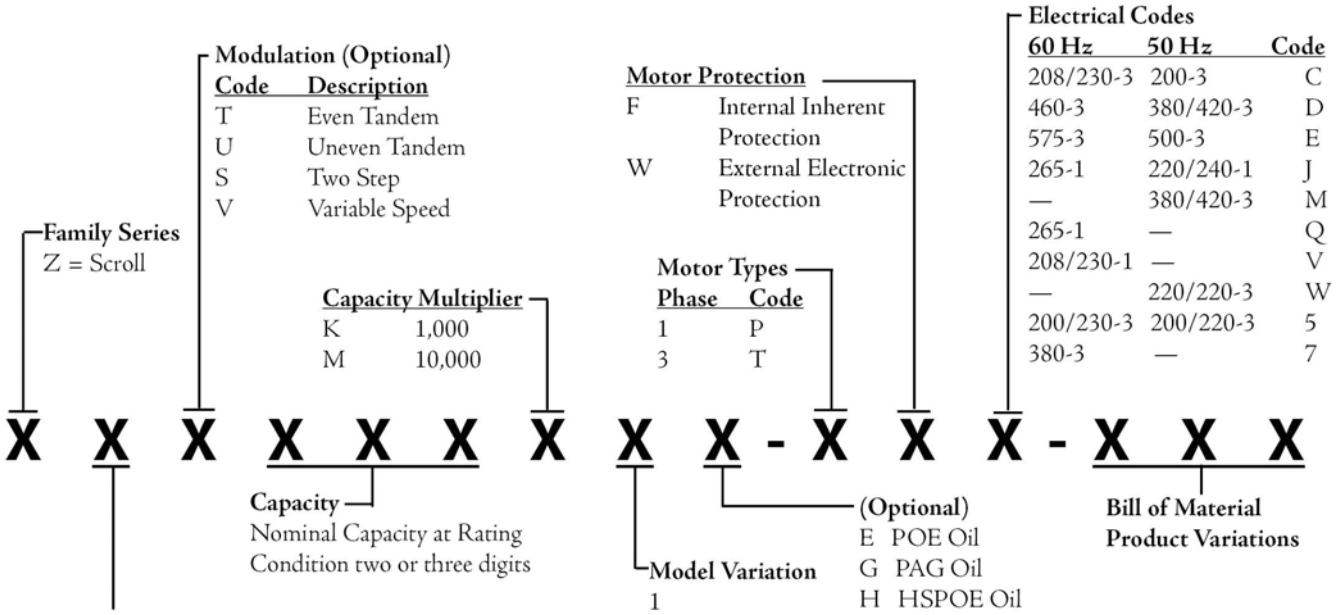
Indicates compressors with polyol ester oil

Compressor Motor Protection

Code	Type Protection
A	External Inherent Protection—One Protector (Line Break) Use with Contactor
F	Internal Inherent Protection—One Protector (Line Break) Use with Contactor

Bill of Material Product Variations

Copeland Scroll™ Nomenclature



Copelametic® and Old Discus® Model Nomenclature

Copelametic Compressor Model Type

Water-Cooled

Code	Description
W	Std. Water Cooled

Discus

Code	Description
D	Discus Refrigerant Cooled

Air-Cooled

Code	Description
A	Std. Air Cooled

Refrigerant-Cooled

Code	Description
R	Std. Refrig. Cooled
T	Two-Stage

Compressor Motor Rating

Nominal (hp)	Code
1/3	0033
1/2	0050
1/2	0051
3/4	0075
1	0100
1-1/2	0150
2	0200
2	0210
3	0300
3	0310
3	0311
4	0400
5	0500
5	0505
6	0600
7-1/2	0750
7-1/2	0765
9	0900
10	1000
10	1015
12	1200
15	1500
20	2000
22	2200
25	2500
27	2700
30	3000
35	3500
40	4000

Compressor Motor Protection

Code	Type Protection
A	External Inherent Protection- One Protector, (Line Break) Use with Contactor
F	Internal Inherent Protection- One Protector, (Line Break) Use with Contactor
H	Internal Thermostat(s); Ext. Supplementary Protector(s) Mounted on Compressor. (Two for 30, one for 10.) Use with Contactor
L	Internal Thermostat(s); and Three Ext. Supplementary Protectors Mounted on Compressor Use with Contactor
S	Internal Thermal Protection-Electronic Sensors; and Control Module External Use with Contactor

Electrical Codes

60 Hz	50 Hz	Code
115-1	—	A
230-1	—	B
208/230-3	200/220-3	C
460-3	380/420-3	D
575-3	550-3	E
208/230/460-3	200/280/400-3	K
—	210/240/380-3	L
—	380/420-3	M
230/460-3	200/400-3	N
—	200/240-3	R
200-3	—	U
208/230-1	200/220-1	V
—	220/240-1	Z

X X X X - X X X X - X X X - X X X

Model Variation
A number only, assigned to indicate major variations within any one family series

Displacement and Valve Plate
A letter only, arbitrarily assigned for each different displacement valve plate combination within any one family series

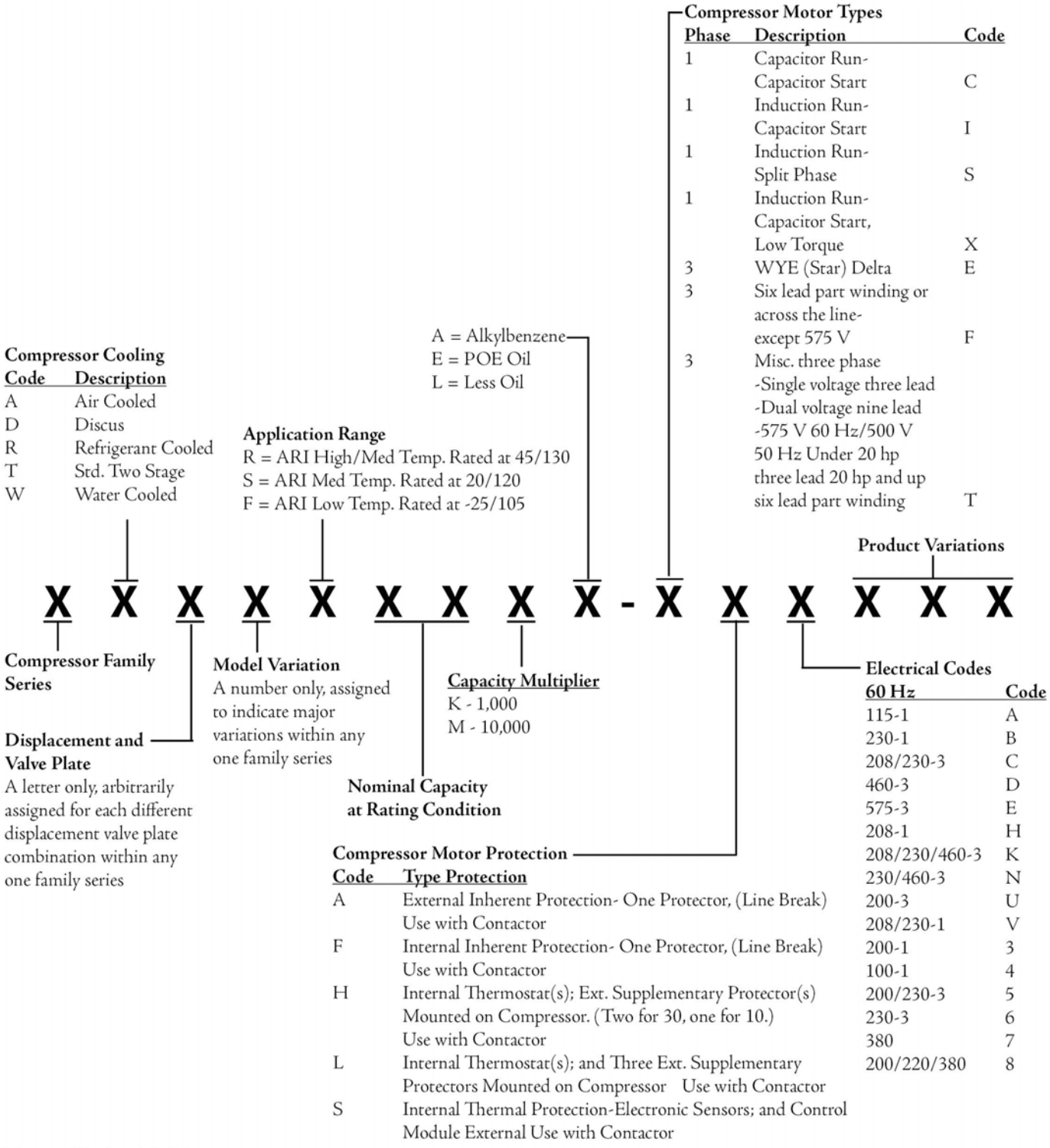
Compressor Family Series
Either a number or a letter established for each product model

Compressor Motor Types

Phase	Description	Code
1	Capacitor Run-Capacitor Start	C
1	Induction Run-Capacitor Start	I
3	WYE (Star) Delta	E
3	Six lead part winding or across the line-except 575 V	F
3	Misc. three phase -Single voltage three lead -Dual voltage nine lead -575 V 60 Hz/500 V 50 Hz Under 20 hp three lead 20 hp and up six lead part winding	T

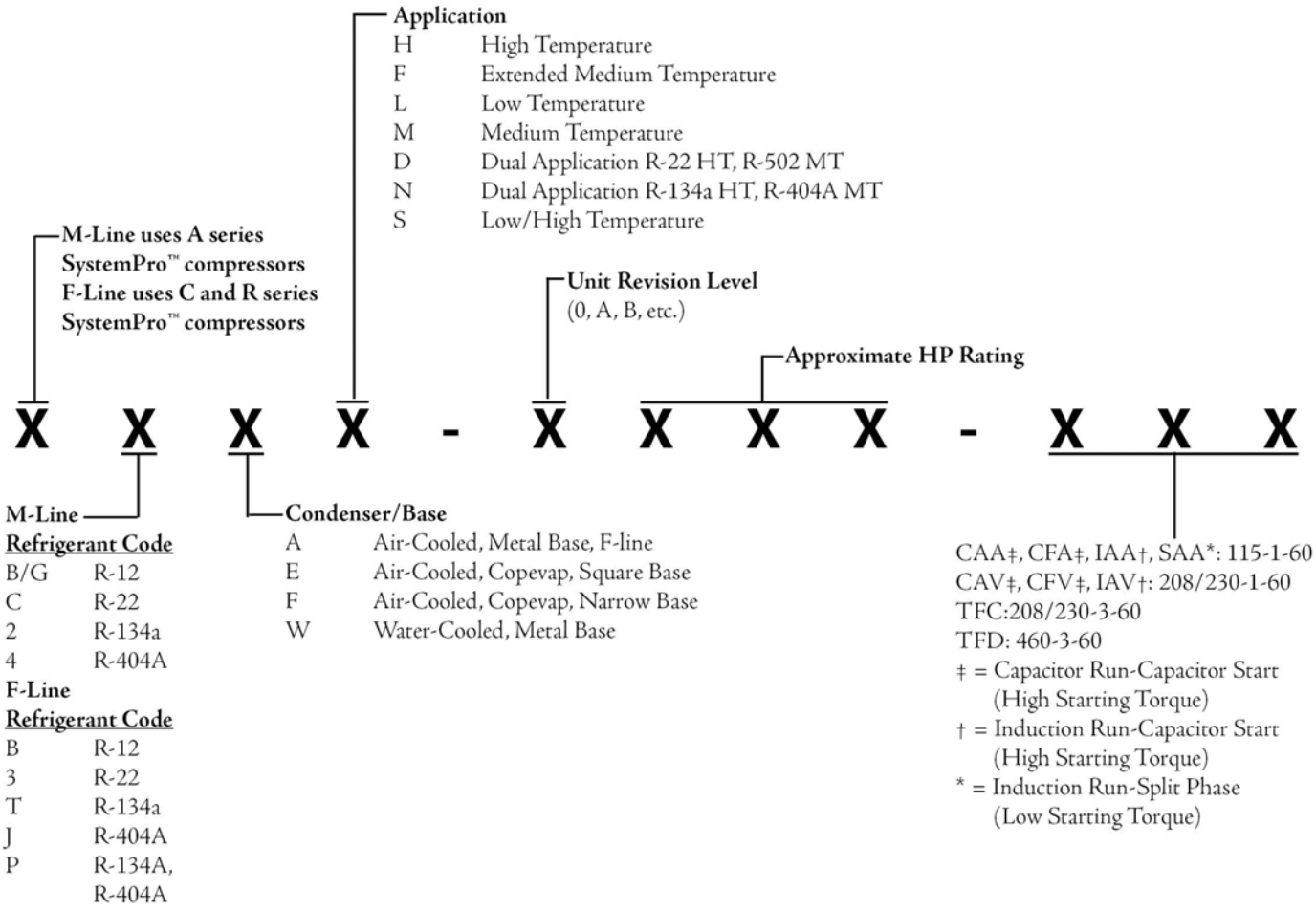
Bill of Material Product Variations

Copeland® Discus® Compressor New Model Number Nomenclature



Note on Tandem Models:
Nominal horsepower rating of tandem compressors is sum of individual compressor ratings.
Indicated by the digit representing the compressor model series connected in tandem with a compressor of the model series indicated by the first digit.

Copeland brand products SystemPro™ Condensing Unit Nomenclature



Copeland® brand products Condensing Unit Model Number Nomenclature

(All Models Except M-Line)

Compressor Motor Rating

Nominal (hp)	Code
1/4	0025
1/3	0033
1/2	0050
3/4	0075
1	0100
1-1/2	0150
2	0200
2-1/2	0250
3	0300
3-1/2	0350
4	0400
5	0500
6	0600
7-1/2	0750
9	0900
10	1000
15	1500
20	2000
22	2200
25	2500
27	2700
30	3000
40	4000
50	5000
60	6000
70	7000
80	8000

Electrical Codes

60 Hz	50 Hz	Code
115-1	100-1	A
230-1	200-1	B
208/230-3	200/220-3	C
460-3	380/420-3	D
575-3	550-3	E
—	115-1	F
—	230-1	G
208-1	200-1	H
—	208/230-1	I
265-1	220/240-1	J
208/230/460-3	200/400-3	K
—	210/240/380-3	L
—	380/420-3	M
230/460-3	200/400-3	N
—	200/380-3	P
—	200/240-3	R
—	220-1	S
—	200-1	T
200-3	—	U
208/230-1	200/220-1	V
—	200/220-3	W
—	500-3	Y
—	220/240-1	Z
200-1	200-1	3
100-1	100-1	4
200/230-3	—	5
230-3	—	6

Design Series and Refrigerant

Letters (except K, L, M)	R-12
K, L	R-22 LT
M	R-22 LT Discus
Numbers (except 6 and 7)	R-22/R-502
6, 7	R-12/R-502
X, 9	Special Designs

Type of Design

Type	Code
Air Cooled	A
No Condenser	N
Water Cooled	W
Evaporating Fan Base	E
Discus	D

X X X X - X X X X - X X X - X X X

- Condensing Unit Family Series
- Application Temperature
- Compressor Motor Types
- Compressor Motor Protection
- Bill of Material Product Variations

Application Temperature

Temp. Min./Max.	Code
High 45/0	H
Medium 25/-5	M
Medium 25/-25	F
Low 0/-40	L
Extra Low -20/-40	E
Two Stage 1/-40	T
Two Stage (Extra Low) -30/-80	U
Commercial App. High and Medium Single Refrigerant	C
Dual App. R-22 HT, R-502 MT	D
Multiple App. R-12 H/MT, R-502 LT	B

Compressor Motor Types

Phase	Description	Code
1	Capacitor Run-Capacitor Start	C
1	Induction Run-Capacitor Start	I
1	Induction Run-Split Phase	S
1	Induction Run-Capacitor Start, Low Torque	X
1	Capacitor Run-Permanent Split Capacitor	P
3	Three Lead Single Voltage Six Lead Part Winding 575V Nine Lead Dual Voltage	T
3	WYE (Star) Delta	E
3	Six lead part winding or across the line-	F

Compressor Motor Protection

Code	Type Protection
A	External Inherent Protection-One Protector, (Line Break) Use with Contactor
F	Internal Inherent Protection-One Protector, (Line Break) Use with Contactor
H	Internal Thermostat(s); Ext. Supplementary Protector(s) Mounted on Compressor. (Two for 30, one for 10.) Use with Contactor
L	Internal Thermostat(s); and Three Ext. Supplementary Protectors Mounted on Compressor Use with Contactor
S	Internal Thermal Protection-Electronic Sensors; and Control Module External Use with Contactor

Copeland to Copeland Quick Reference

Copeland Model	Copeland Replacement Model
AF04C1E-SAA	AFB04C3E-SAA
AF05C1E-IAA	AFB05C3E-IAA
AF05C1E-SAA	AFB05C3E-SAA
AF07C1E-IAA	AFE07C3E-IAA
AF09C1E-IAA	AFE07C3E-IAA
AF10C2E-IAA	AFE10C3E-IAA
AF11C1E-IAA	AFE11C3E-IAA
AF12C1E-IAA	AFT12C1E-IAA
AF13C1E-IAA	AFE13C3E-IAA
AF18C1E-IAA	AFT18C1E-IAA
AF22C1E-CFV	AFT22C1E-CFV
AF22C1E-IAA	AFT22C1E-IAA
AF26C1E-CFA	AFT26C1E-CFA
AF26C1E-CFV	AFT26C1E-CFV
AF29C1E-CFA	AFT29C1E-CFA
AF29C1E-CFV	AFT29C1E-CFV
AF31C1E-CFV	AFJ31C1E-CFV
AF37C1E-CFA	No Replacement
AF37C1E-CFV	AFJ37C1E-CFV
AFB04C3E-SAA	AFB04C3E-SAA
AFB05C3E-IAA	AFB05C3E-IAA
AFB05C3E-SAA	AFB05C3E-SAA
AFC1-0013-SAA	ARB10C3-SAA
AFD1-0017-SAA	ARB13C3-SAA
AFE07C3E-IAA	AFE07C3E-IAA
AFE1-0023-SAA	ARE25C3-SAA
AFE10C3E-IAA	AFE10C3E-IAA
AFE11C3E-IAA	AFE11C3E-IAA
AFE12C3-IAA	ARE41C3-IAA
AFE12C3-SAA	ARE41C3-SAA
ARE41C3-SAA	ARE41C3-SAA
AFE13C3E-IAA	AFE13C3E-IAA
AFF1-0025-SAA	ARE27C3-SAA
AFF2-0025-IAA	No Replacement
AFG2-0026-IAA	ARE37C3-IAA
AFG2-0026-SAA	ARE37C3-SAA
AFH2-0033-IAA	ARE41C3-IAA
AFH2-0033-SAA	ARE41C3-SAA
AFH3-0033-IAA	No Replacement
AFJ1-0050-IAA	AFJ23C1-IAA
AFJ31C1E-CFV	AFJ31C1E-CFV
AFJ37C1E-CFV	AFJ37C1E-CFV
AFK1-0034-IAA	AFT12C1-IAA
AFT12C1E-IAA	AFT12C1E-IAA
AFT12C1-IAA	AFT12C1-IAA
AFT18C1E-IAA	AFT18C1E-IAA
AFT22C1E-CFV	AFT22C1E-CFV
AFT22C1E-IAA	AFT22C1E-IAA
AFT26C1E-CFA	AFT26C1E-CFA
AFT26C1E-CFV	AFT26C1E-CFV

Copeland Model	Copeland Replacement Model
AFT29C1E-CFA	AFT29C1E-CFA
AFT29C1E-CFV	AFT29C1E-CFV
AR11K1E-CAV	ARJ11K1E-CAV
AR13C1E-IAA	ARB13C3E-IAA
AR13C1E-SAA	ARB13C3E-SAA
AR17C1E-IAA	ARB17C3E-IAA
AR17C1E-SAA	ARB17C3E-SAA
AR25C1E-IAA	ARE25C3E-IAA
AR25C1E-SAA	ARE25C3E-SAA
AR27C1E-IAA	ARE27C3E-IAA
AR27C1E-SAA	ARE27C3E-SAA
AR37C1E-IAA	ARE37C3E-IAA
AR37C1E-IAV	ARE37C3E-IAV
AR37C1E-SAA	ARE37C3E-SAA
AR41C1E-IAA	ARE41C3E-IAA
AR51C1E-IAA	ART51C1E-IAA
AR51C1E-IAV	ART51C1E-IAV
AR62C1E-IAA	ART62C1E-IAA
AR62C1E-IAV	ART62C1E-IAV
AR64C1E-IAA	ART64C1E-IAA
AR64C1E-IAV	ART64C1E-IAV
AR84C1E-IAV	ARJ84C1E-IAV
ARB10C3-SAA	ARB10C3-SAA
ARB13C3E-IAA	ARB13C3E-IAA
ARB13C3E-SAA	ARB13C3E-SAA
ARB13C3-SAA	ARB13C3-SAA
ARB17C3E-IAA	ARB17C3E-IAA
ARB17C3E-SAA	ARB17C3E-SAA
ARB17C3-SAA	ARB17C3-SAA
ARB21C3-IAA	ARB21C3-IAA
ARC1-0017-SAA	ARB13C3-SAA
ARD1-0020-SAA	ARB17C3-SAA
ARD4-0022-IAA	ARB21C3-IAA
ARE1-0023-SAA	ARE25C3-SAA
ARE25C3E-IAA	ARE25C3E-IAA
ARE25C3E-SAA	ARE25C3E-SAA
ARE25C3-SAA	ARE25C3-SAA
ARE27C3E-IAA	ARE27C3E-IAA
ARE27C3E-SAA	ARE27C3E-SAA
ARE27C3-IAA	ARE27C3-IAA
ARE27C3-SAA	ARE27C3-SAA
ARE36C3-IAA	ARE36C3-IAA
ARE36C3-SAA	ARE36C3-SAA
ARE37C3E-IAA	ARE37C3E-IAA
ARE37C3E-IAV	ARE37C3E-IAV
ARE37C3E-SAA	ARE37C3E-SAA
ARE37C3-IAA	ARE37C3-IAA
ARE37C3-SAA	ARE37C3-SAA
ARE4-0025-IAA	ARE36C3-IAA
ARE41C3E-IAA	ARE41C3E-IAA

Copeland to Copeland Quick Reference

Copeland Model	Copeland Replacement Model
ARE41C3E-IAV	ARE41C3E-IAV
ARE41C3-IAA	ARE41C3-IAA
ARE43C3-IAA	ARE43C3-IAA
ARE47C3-IAA	ARE47C3-IAA
ARE5-0025-SAA	ARE36C3-SAA
ARE59C3-CAA	ARE59C3-CAA
ARE59C3-CAV	ARE59C3-CAV
ARF2-0025-IAA	ARE27C3-IAA
ARF2-0025-SAA	ARE27C3-SAA
ARF4-0033-IAA	ARE43C3-IAA
ARG2-0033-IAA	ARE37C3-IAA
ARG2-0033-SAA	ARE37C3-SAA
ARG4-0051-CAA	ARE59C3-CAA
ARG4-0051-CAV	ARE59C3-CAV
ARG4-0055-IAA	ART69C1-IAA
ARG4-0055-IAV	ART69C1-IAV
ARH1-0049-IAA	ART51C1-IAA
ARJ11K1-CAV	ARJ11K1-CAV
ARJ11K1E-CAV	ARJ11K1E-CAV
ARJ84C1E-IAV	ARJ84C1E-IAV
ARJ84C1-IAA	ARJ84C1-IAA
ARJ84C1-IAV	ARJ84C1-IAV
ARK1-0050-IAA	ART62C1-IAA
ARM1-0075-IAA	ARJ84C1-IAA
ARM1-0075-IAV	ARJ84C1-IAV
ARM3-0076-CAA	ART82C1-CAA
ARM3-0076-CAV	ART82C1-CAV
ARN1-0100-CAV	ARJ11K1-CAV
ARN3-0100-PAA	ART97C1-PAA
ARN3-0100-PAV	ART97C1-PAV
ART51C1E-IAA	ART51C1E-IAA
ART51C1E-IAV	ART51C1E-IAV
ART51C1-IAA	ART51C1-IAA
ART51C1-IAV	ART51C1-IAV
ART62C1E-IAA	ART62C1E-IAA
ART62C1E-IAV	ART62C1E-IAV
ART62C1-IAA	ART62C1-IAA
ART64C1E-IAA	ART64C1E-IAA
ART64C1E-IAV	ART64C1E-IAV
ART69C1-IAA	ART69C1-IAA
ART69C1-IAV	ART69C1-IAV
ART82C1-CAA	ART82C1-CAA
ART82C1-CAV	ART82C1-CAV
ART97C1-PAA	ART97C1-PAA
ART97C1-PAV	ART97C1-PAV
AS10C1E-IAA	AFE11C3E-IAA
AS12C1E-IAA	ASB12C3E-IAA
AS13C1E-IAA	AFE13C3E-IAA
AS14C1E-IAA	ASB14C3E-IAA
AS18C1E-IAA	AFT18C1E-IAA

Copeland Model	Copeland Replacement Model
AS19C1E-IAA	ASE19C3E-IAA
AS22C1E-IAA	AFT22C1E-IAA
AS24C1E-IAA	ASE24C3E-IAA
AS24C1E-IAV	ASE24C3E-IAV
AS26C1E-CFV	AFT26C1E-CFV
AS26C1E-IAA	AFT26C1E-CFA
AS29C1E-IAA	AFT29C1E-CFA
AS31C1E-CFV	AFJ31C1E-CFV
AS32C1E-CAA	ASE32C3E-CAA
AS32C1E-CAV	ASE32C3E-CAV
AS37C1E-IAA	AST40C1E-IAA
AS40C1E-IAA	AST40C1E-IAA
AS40C1E-IAV	AST40C1E-IAV
AS45C1E-CAV	AST45C1E-CAV
AS45C1E-IAA	AST45C1E-IAA
AS54C1E-CAA	AST54C1E-CAA
AS54C1E-CAV	AST54C1E-CAV
ASB12C3E-IAA	ASB12C3E-IAA
ASB14C3E-IAA	ASB14C3E-IAA
ASE19C3E-IAA	ASE19C3E-IAA
ASE24C3E-IAA	ASE24C3E-IAA
ASE24C3E-IAV	ASE24C3E-IAV
ASE32C3E-CAA	ASE32C3E-CAA
ASE32C3E-CAV	ASE32C3E-CAV
AST40C1E-IAA	AST40C1E-IAA
AST40C1E-IAV	AST40C1E-IAV
AST45C1E-CAV	AST45C1E-CAV
AST45C1E-IAA	AST45C1E-IAA
AST54C1E-CAA	AST54C1E-CAA
AST54C1E-CAV	AST54C1E-CAV
CF04K6E	CF04K6E
CF06K6E	CF06K6E
CF09K6E	CF09K6E
CF12K6E	CF12K6E
CR16K6	CR16K6
CR16KF	CR16K6
CR18K6	CRA1-0150
CR18KF	CRA1-0150
CR20K6	CRB1-0175
CR20KF	CRB1-0175
CR22K6-P	CRC1-0175-P
CR22K6-TF5	CRC1-0175-T
CR22K6-TFD	CRD1-0200-T
CR22KF	CRC1-0175
CR24K6	CRD1-0200
CR24KF	CRD1-0200-P
CR26K6	CRE2-0225
CR26KF	CRE2-0225
CR28K6-P	CRE2-0225-P
CR28K6-T	CRF1-0250-T

Copeland to Copeland Quick Reference

Copeland Model	Copeland Replacement Model
CR28KF	CRE2-0225
CR30K6-P	CRF2-0250-P
CR30K6-T	CRF1-0250-T
CR30KF	CRF2-0250
CR32K6	CR33KQ
CR32KF	CR33KQ
CR33KQ	CR33KQ
CR34K6	CR34KQ
CR34KF	CR34KQ
CR34KQ	CR34KQ
CR35K6	CR36KQ
CR35KF	CR36KQ
CR36KQ	CR36KQ
CR37KQ	CR37KQ
CR38K6	CR37KQ
CR41KQ	CR41KQ
CR42K6	CR41KQ
CR47KQ	CR47KQ
CR53KQ	CR53KQ
CRA1-0150	CRA1-0150
CRA4-0150	CRA1-0150
CRB1-0175	CRB1-0175
CRB4-0150	CRB1-0175
CRC1-0175	CRC1-0175
CRC2-0175	CRC1-0175
CRC4-0175	CRC1-0175
CRD1-0200	CRD1-0200
CRD4-0200	CRD1-0200
CRE1-0225	CRE1-0225
CRE2-0225	CRE2-0225
CRE4-0225	CRE2-0225
CRF1-0250	CRF1-0250
CRF2-0250	CRF2-0250
CRF4-0250	CRF2-0250
CRG1-0250	CR33KQ
CRG3-0250	CR33KQ
CRH1-0275	CR34KQ
CRH3-0275	CR34KQ
CRI3-0290	CR36KQ
CRJ1-0300	CR36KQ
CRJ3-0300	CR37KQ
CRK1-0325	CR41KQ
CRK3-0325	CR41KQ
CRL1-0350	CR47KQ
CRL3-0350	CR47KQ
CRM1-0400	CR53KQ
CRM3-0400	CR53KQ
CRN1-0500	CRN5-0500
CRN5-0500	CRN5-0500
CRP1-0450	CRP5-0450
CRP5-0450	CRP5-0450
CRT5-0450	CRT5-0450
CRZ4-0150	CR16K6
CS10K6E	CS10K6E
CS12K6E	CS12K6E
CS14K6E	CS14K6E
CS18K6E	CS18K6E
CS20K6E	CS20K6E
CS27K3E	CS27K3E
CS33K3E	CS33K3E
CTH1-0275	CTH1-0275
CTL1-0350	CTL1-0350
CTM1-0400	CTM1-0400
CTN1-0500	CTN1-0500
4U18-302	CR33KQ
4U26-0401	CR47KQ
4U26-0402	CR47KQ
4US1-501	CRP5-0450
4US1-502	CRP5-0450
SEA1-0200	CRB1-0175
SEB1-0200	CRC1-0175
SEC1-0200	CRD1-0200
SEF1-0175	CRA1-0150
SEH1-0200	CRD1-0200
SEH2-0225	CRF2-0250
SEJ1-0225	CRE2-0225
SEK1-0250	CRF2-0250
SEM1-0275	CR33KQ
SEN2-0175	CRA1-0150
SEP2-0200	CRC1-0175
SHB2-0200	CRC1-0175
SHC2-0200	CRD1-0200
SHF2-0175	CRA1-0150
SHK2-0250	CRF2-0250
SHM2-0275	CR33KQ
SRA4-0200	CRB1-0175
SRA5-0200	CRC1-0175
SRA6-0200	CRB1-0175
SRB4-0200	CRC1-0175
SRB5-0200	CRC1-0175
SRB6-0200	CRC1-0175
SRC4-0200	CRD1-0200
SRC5-0200	CRD1-0200
SRC6-0200	CRD1-0200
SRD4-0224	CRE2-0225
SRD4-0225	CRE2-0225
SRD5-0225	CRE2-0225
SRD6-0225	CRE2-0225
SRE4-0250	CRF2-0250
SRF5-0175	CRA1-0150

Copeland to Copeland Quick Reference

Copeland Model	Copeland Replacement Model
SRH4-0200	CRD1-0200
SRJ4-0225	CRE2-0225
SRK4-0250	CRF2-0250
SRK5-0250	CR33KQ
SRM4-0275	CR33KQ
URA1-2000	CRE2-0225
US12-0200	CRD1-0200
USS3-0200	CRD1-0200
VRB1-0300	CR41KQ
VRC1-0350	CR47KQ
VRD1-0400	CR53KQ
VRE1-0500	CRN5-0500
YEB1-0300	CR41KQ
YEB1-0301	CR41KQ
YEC1-0350	CR47KQ
YEH4-0500-PFB	CRP5-0450-PFV
YEH5-0500	CRP5-0450
YEJ1-0275	CR33KQ
YEK1-0325	CR41KQ
YEL1-0350	CR47KQ
YHB1-0300	CR41KQ
YHB1-0301	CR41KQ
YHC1-0350	CR47KQ
YHD2-0400	CR47KQ
YHD6-0400	CR53KQ
YHJ1-0275	CR33KQ
YHK1-0325	CR41KQ
YHL1-0350	CR47KQ
YRB2-0300	CR41KQ
YRB2-0301	CR41KQ
YRB4-0300	CR41KQ
YRB4-0301	CR41KQ
YRC2-0350	CR47KQ
YRC4-0350-PFB	CR47KQ-PFV
YRC4-0350-PFH	CR47KQ-PFV
YRC4-0350-PFV	CR47KQ-PFV
YRC4-0350-T	CR47KQ-T
YRD2-0400	CR47KQ
YRD4-0400-PFB	CR47KQ-PFV
YRD4-0400-PFH	CR47KQ-PFV
YRD4-0400-PFV	CR47KQ-PFV
YRD4-0400-T	CR47KQ-T
YRD5-0400	CR47KQ
YRD6-0400	CR53KQ
YRE2-0500	CRP5-0450
YRE4-0500-PFV	CRP5-0450-PFV
YRE4-0500-T	CRP5-0450-T
YRE5-0500	CRP5-0450
YRE6-0500	CRP5-0450
YRF2-0450	CR53KQ

Copeland Model	Copeland Replacement Model
REB3-0150-PFV	RR14K1-PFV
REBQ-0150-PFV	RS80C2E-CAV
REK3-0125-PFV	RS70C1E-PFV
REK3-0125-TFC	RS70C1E-TFC
REK3-0125-TFD	RS70C1-TFD
REKQ-0125-PFV	RS70C1E-PFV
REL3-0200-PFV	RR20K1-PFV
RES3-0175-PFV	RR16K1-PFV
REY3-0175-PFV	RR17K1-PFV
REY3-0175-TFC	RR17K1-TFC
REZ3-0125-PFV	RR12K1-PFV
RF18C1E-IAA	RF18C2E-IAA
RF18C1E-IAV	RF18C2E-IAV
RF18C2E-IAA	RF18C2E-IAA
RF18C2E-IAV	RF18C2E-IAV
RR10K1E-CAV	RR10K2E-CAV
RR10K2E-CAA	RR10K2E-CAA
RR10K2E-CAV	RR10K2E-CAV
RR12K1-PFV	RR12K1-PFV
RR14K1-PFV	RR14K1-PFV
RR16K1-PFV	RR16K1-PFV
RR17K1-PFV	RR17K1-PFV
RR17K1-TFC	RR17K1-TFC
RR20K1-PFV	RR20K1-PFV
RR81C1E-IAA	RR81C2E-IAA
RR81C1E-IAV	RR81C2E-IAV
RR81C2E-IAA	RR81C2E-IAA
RR81C2E-IAV	RR81C2E-IAV
RRG4-0100-PAA	RS64C2E-PAA
RRG4-0100-PAV	RS64C2E-CAV
RRK4-0126-PAA	RS70C1-PAA
RRL4-0100-CAV	RR10K2E-CAV
RRL6-0100-CAA	RR10K2E-CAA
RRS4-0075-IAA	RR81C2E-IAA
RRS40075-IAV	RR81C2E-IAV
RS40C1E-IAA	RS40C2E-IAA
RS40C1E-IAV	RS40C2E-IAV
RS40C2E-IAA	RS40C2E-IAA
RS40C2E-IAV	RS40C2E-IAV
RS40C2-IAA	R40C2-IAA
RS43C1E-CAA	RS43C2E-CAA
RS43C1E-CAV	RS43C2E-CAV
RS43C1E-IAA	RS43C2E-IAA
RS43C1E-IAV	RS43C2E-IAV
RS43C2E-CAA	RS43C2E-CAA
RS43C2E-CAV	RS43C2E-CAV
RS43C2E-IAA	RS43C2E-IAA
R43C2E-IAV	RS43C2E-IAV
RS47C2-IAA	RS47C2-IAA
RS47C2-IAV	RS47C2-IAV

Copeland to Copeland Quick Reference

Copeland Model	Copeland Replacement Model
RS54C1E-IAA	RS54C2E-IAA
RS54C1E-IAV	RS54C2E-IAV
RS54C2E-IAA	RS54C2E-IAA
RS54C2E-IAV	RS54C2E-IAV
RS55C1E-CAV	RS55C2E-CAV
RS55C1E-PAA	RS55C2E-CAA
RS55C1E-PAV	RS55C2E-CAV
RS55C2-CAA	RS55C2E-CAA
RS55C2E-CAA	RS55C2E-CAA
RS55C2E-CAV	RS55C2E-CAV
RS64C1E-CAA	RS64C2E-CAA
RS64C1E-CAV	RS64C2E-CAV
RS64C1E-IAA	RS64C2E-CAA
RS64C1-E-IAV	RS64C2E-IAV
RS64C1E-PAA	RS64C2E-PAA
RS64C2-CAA	RS64C2E-CAA
RS64C2-CAV	RS64C2E-CAV
RS64C2E-CAA	RS64C2E-CAA
RS64C2E-CAV	RS64C2E-CAV
RS64C2E-IAA	RS64C2E-IAA
RS64C2E-IAV	RS64C2E-IAV
R64C2E-PAA	R64C2E-PAA
RS64C2-IAA	RS64C2-IAA
RS64C2-IAV	RS64C2-IAV
RS64C2-PAA	RS64C2-PAA
RS70C1E-PFV	RS70C1E-PFV
RS70C1E-TFC	RS70C1E-TFC
RS70C1-PAA	RS70C1-PAA
RS70C1-PFV	RS70C1-PFV
RS70C1-TFC	RS70C1-TFC
RS70C1-TFD	RS70C1-TFD
RS80C1E-CAA	RS80C1E-CAA
RS80C1E-CAV	RS80C1E-CAV
RS80C1E-TF5	RS80C1E-TF5
RS80C1E-TFD	RS80C1E-TFD
RS80C2-CAV	RS80C2-CAV
RS80C2E-CAA	RS80C2E-CAA
RS80C2E-CAV	RS80C2E-CAV
RS80C2E-TF5	RS80C2E-TF5
RS80C2E-TFD	RS80C2E-TFD
RS86C1E-PFV	RS86C2E-PFV
RS86C2E-PFV	RS86C2E-PFV
RS97C1E-CAA	RS97C2E-CAA
RS97C1E-CAV	RS97C2E-CAV
RS97C1E-TFC	RS97C2E-TFC
RS97C2-CAV	RS97C2E-CAV
RS97C2E-CAA	RS97C2E-CAA

Copeland Model	Copeland Replacement Model
RS97C2E-CAV	RS97C2E-CAV
RS97C2E-TFC	RS97C2E-TFC
RSE4-0075-IAA	RS47C2-IAA
RSE4-0075-IAV	RS47C2-IAV
RSE4-0076-IAA	RS47C2-IAA
RSE4-0076-IAV	RS47C2-IAV
RSF2-0050-IAA	RS40C2E-IAA
RSF2-0050-IAV	RS40C2E-IAV
RSF5-0075-CAA	RS55C2E-CAA
RSL2-0075-IAA	RS54C2E-IAA
RSL2-0075-IAV	RS54C2E-IAV
RSL2-0100-CAA	RSL2-0100-CAA
RSL2-0101-CAA	RS97C2E-CAA
RSL2-0101-CAV	RS97C2E-CAV
RSL4-0175-PFV	RR17K1-PFV
RSL4-0175-TFC	RSL4-0175-TFC
RSL5-0100-CAV	RS97C2E-CAV
RSL5-0100-TFC	RS97C2E-TFC
RSL5-0101-CAV	RS97C2E-CAV
RSL5-0101-TFC	RS97C2E-TFC
RSN2-0050-IAA	RS40C2E-IAA
RSN2-0050-IAV	RS40C2E-IAV
RSN4-0050-IAA	RS40C2E-IAA
RSN4-0050-IAV	RS40C2E-IAV
RSN4-0075-CAV	RS64C2E-CAV
RSN4-0075-IAA	RS64C2E-CAA
RSN4-0075-IAV	RS64C2E-IAV
RSN4-0075-PAA	RS64C2E-PAA
RSN4-0100-CAV	RS64C2E-CAV
RSN4-0100-PAA	RS64C2E-PAA
RSN5-0075-CAA	RS64C2E-CAA
RSN5-0075-IAA	RS64C2E-CAA
RSN5-0075-IAV	RS64C2E-IAV
RSN6-0075-CAA	R64C2E-CAA
RSN6-0075-IAA	RS64C2E-CAA
RSN6-0075-IAV	RS64C2E-IAV
RSU4-0050-CAA	RS43C2E-CAA
RSU4-0050-IAA	RS43C2E-IAA
RSU5-0050-IAA	RS43C2E-IAA
RSU5-0050-IAV	RS43C2E-IAV

Copeland to Copeland Quick Reference

"J" to "A" Adapter Kits Guide

Copeland Model	Copeland Replacement Model	J Model Being Replaced*	Base Adapter & Conduit Kit	Conduit Box Kit	Base Adapter Kit
JF10C1E-IAA	AFE10C3E-IAA	Weld Nuts (No Base)	934-0001-02	962-0001-02	998-0527-03
JFB1-0033-IAA	ARE41C3-IAA	4.8" x 8" base	934-0001-00	962-0001-02	998-0527-01
JR26C1E-IAA	ARE27C3E-IAA	7" x 7" base	934-0001-01	962-0001-02	527-0174-00
JR36C1E-IAA	ARE37C3E-IAA	5" x 7" base	934-0001-00	962-0001-02	998-0527-01
JR36C1E-IAV	ARE37C3E-IAV				
JRE1-0033-IAA	ARE37C3-IAA				
JRN1-0025-IAA	ARE27C3-IAA				
JS19C1E-IAA	ASE19C3E-IAA				
JS25C1E-IAA	ASE24C3E-IAA				
JSS5-0050-IAA	ARE43C3-IAA				
JF11C1E-IAA	AFT12C1E-IAA	Weld Nuts (No Base)	934-0001-08	962-0001-01	998-0527-04
JFH1-0033-IAA	AFT12C1-IAA	4.8" x 8" base	Not Required	962-0001-01	Not Required
JFH1-0033-SAA	AFT12C1-IAA	7" x 7" base	934-0001-07	962-0001-01	998-0527-00
JR53C1E-IAA	ART51C1E-IAA	5" x 7" base	934-0001-06	962-0001-01	998-0527-02
JR53C1E-IAV	ART51C1E-IAV				
JRL4-0050-IAA	ART51C1-IAA				
JRL4-0050-IAV	ART51C1-IAV				
JRE1-0050-IAA	ARE59C3-CAA	Weld Nuts (No Base)	Not Required	Not Required	998-0527-03
JRE1-0050-IAV	ARE59C3-CAV	4.8" x 8" base	Not Required	Not Required	998-0527-01
JRS4-0050-IAA	ARE47C3-IAA	7" x 7" base	Not Required	Not Required	527-0174-00
JSE5-0051-CAA	ARE59C3-CAA	5" x 7" base	Not Required	Not Required	998-0527-01
JSE5-0051-PAV	ARE59C3-CAV				
JRF4-0050-IAA	ART69C1-IAA	Weld Nuts (No Base)	Not Required	Not Required	998-0527-04
JRF4-0050-IAV	ART69C1-IAV	4.8" x 8" base	Not Required	Not Required	Not Required
JRF4-0075-PAA	ART69C1-IAA	7" x 7" base	Not Required	Not Required	998-0527-00
JRF4-0075-PAV	ART69C1-IAV	5" x 7" base	Not Required	Not Required	998-0527-02
JRG4-0100-PAV	ART97C1-PAV				
JRH4-0100-PAA	ART97C1-PAA				
JRH4-0100-PAV	ART97C1-PAV				
JRL4-0100-PAA	ART97C1-PAA				
JRL4-0100-PAV	ART97C1-PAV				
JSH5-0075-CAA	ART97C1-PAA				
JSH5-0075-PAV	ART97C1-PAV				
JSL5-0075-CAA	ART97C1-PAA				
JSL5-0075-PAV	ART97C1-PAV				
JS35C1E-CAA	ASE32C3E-CAA	Weld Nuts (No Base)	934-0001-05	962-0001-00	998-0527-04
JS35C1E-CAV	ASE32C3E-CAV	4.8" x 8" base	Not Required	962-0001-00	Not Required
JS55C1E-CAA	AST54C1E-CAA	7" x 7" base	934-0001-04	962-0001-00	998-0527-00
		5" x 7" base	934-0001-03	962-0001-00	998-0527-02
JFB1-0033-IAV	No Replacement				
JFP1-0050-IAA	RS40C2-IAA				

* When replacing a J adaptor kit ask th efollowing questions.
(1) What is the base arrangement on the J?
(2) Does the J have a conduit?

Copeland brand products Tecumseh to Copeland Quick Reference

Tecumseh Model	Old Tecumseh Model	Copeland Replacement Model
AB5515G		RR14K1-PFV
AB5515H		RR14K1-PFV
AB5517G		RR16K1-PFV
AB5517H		RR16K1-PFV
AB5519F		CRA1-0150-PFV
AB5519G		CRA1-0150-PFV
AB5519H		CRA1-0150-PFV
AB5520F		CRB1-0175-PFV
AB5520G		CRB1-0175-PFV
AB5520H		CRB1-0175-PFV
AB5522F		CRC1-0175-PFV
AB5522G		CRC1-0175-PFV
AB5522H		CRC1-0175-PFV
AB5524F		CRD1-0200-PFV
AB5524G		CRD1-0200-PFV
AB5524H		CRD1-0200-PFV
AB5528G		CRE2-0225-PFV
AB5528H		CRE2-0225-PFV
AB5530G		CRF2-0250-PFV
AB5530H		CRF2-0250-PFV
AE1410A		ARE27C3-IAA
AE1411D		ARE27C3-IAA
AE1413A		ARE37C3-IAA
AE1413D		ARE37C3-IAA
AE1415B		ARE41C3-IAA
AE2410A		ARE27C3-IAA
AE2413A		ARE37C3-IAA
AE2415A		ARE41C3-IAA
AE3430A		ARE25C3-SAA
AE3440D		ARE37C3-IAA
AE3448A		ARE37C3-IAA
AE41		ARE25C3-SAA
AE4430		ARE25C3-SAA
AE4448A		ARE37C3-IAA
AE5470E		ARE59C3-CAA
AEA0415EXA		No Replacement
AEA0415ZXA	AE0415ZXA	ASB14C3E-IAA
AEA1336AXA	AE1336A	ARB10C3-SAA
AE1343AXA	AE1343A	ARB13C3-SAA
AEA1360AXA	AE1360A	ARE25C3-SAA
AEA1380AXA	AE1380A	ARE27C3-SAA
AEA1410AXA	AE1410A	ARE37C3-SAA
AEA1411EXA	AE1411E	No Replacement
AEA1413AXA	AE1413A	ARE41C3-IAA
AEA1415EXA	AE1415E	No Replacement
AEA2380ZXA	AE2380Z	No Replacement
AEA2410AXA	AE2410A	ARE37C3-IAA
AEA2410YXA	AE2410Y	AFE10C3E-IAA
AEA2411ZXA	AE2411Z	AFE11C3E-IAA
AEA2413AXA	AE2413A	ARE41C3-SAA

Tecumseh Model	Old Tecumseh Model	Copeland Replacement Model
AEA2413YXA	AE2413Y	AFT12C1E-IAA
AEA2415AAB	AE2415A	AFT12C1-IAA
AEA3414AXA	AE3414A	ARB10C3-SAA
AEA3414YXA	AE3414Y	ARB13C3E-SAA
AEA3417AXA	AE3417A	ARB17C3-SAA
AEA3417YXA	AE3417Y	ARB17C3E-SAA
AEA3425AXA	AE3425A	ARE25C3-SAA
AEA3425YXA	AE3425Y	ARE25C3E-SAA
AEA3430AXA	AE3430A	ARE27C3-SAA
AEA3430YXA	AE3430Y	ARE27C3E-SAA
AEA3440YXA	AE3440Y	ARE37C3E-SAA
AEA3448YXA	AE3448Y	ARE41C3E-SAA
AEA4430AXA	AE4430A	ARE27C3-IAA
AEA4430YXA	AE4430Y	ARE27C3E-IAA
AEA4440AXA	AE4440A	ARE37C3-IAA
AEA4440YXA	AE4440Y	ARE41C3E-IAA
AEA4440YXD	AE4440Y	ARE37C3E-IAV
AEA4448AXA	AE4448A	ARE41C3-IAA
AEA4448YXA	AE4448Y	ARE41C3E-IAA
AEA4448YXD	AE4448YXD	ARE41C3E-IAV
AEA9415EXA	AE9415E	No Replacement
AEA9415EXD	AE9415E	No Replacement
AEA9415ZXA	AE9415Z	ASB14C3E-IAA
AEA9422EXA	AE9422E	ARE43C3-IAA
AG5546E		CR47KQ-PFV
AG5546H		CR47KQ-PFV
AG5553E		CR53KQ-PFV
AG5553H		CR53KQ-PFV
AG5561E		CRP5-0450-PFV
AG5561H		CRP5-0450-PFV
AG5568E		CRN5-0500-PFV
AGA4534AXN	AG4534A	CS33K3E-PFV
AGA4534AXT	AG4534A	CS33K3E-TF5
AGA5553EXN		CR53KQ-PFV
AGA5553EXT		CR53KQ-PFV
AGA5561EXN		CRN5-0500-PFV
AGA5561EXT		CRN5-0500-TF5
AGA5568EXN		CRN5-0500-PFV
AGA5568EXT		CRN5-0500-TF5
AGC5553EXG		CR53KQ-TFD
AGC5561EXG		CRN5-0500-TFD
AGC5568EXG		CRN5-0500-TFD
AH20L12V		CRB1-0175-PFV
AH22M12V		CRC1-0175-PFV
AH24P12V		CRD1-0200-PFV
AH28Q13V		CRE2-0225-PFV
AH31S13V		CRF2-0250-PFV
AH31T13		CRF2-0250-PFV
AH34X13		CR33KQ-PFV
AH40X15		CR37KQ-PFV

Copeland brand products Tecumseh to Copeland Quick Reference

Tecumseh Model	Old Tecumseh Model	Copeland Replacement Model
AH5520E		CRB1-0175-PFV
AH5522E		CRC1-0175-PFV
AH5524E		CRD1-0200-PFV
AH5527E		CRE2-0225-PFV
AH5531E		CRF2-0250-PFV
AH5533E		CR33KQ-PFV
AH5534E		CR33KQ-PFV
AH5540E		CR37KQ-PFV
AH8524E		CRC1-0175-PFV
AH8526E		CRD1-0200-PFV
AH8529E		CRD1-0200-PFV
AH8532E		CRE2-0225-PFV
AH8538E		CR33KQ-PFV
AH8539E		CR34KQ-PFV
AH8543E		CR34KQ-PFV
AH8548E		CR41KQ-PFV
AHA2465ZXB	AH2465Z	CF06K6E-PFV
AHA2465ZXF	AH2465Z	CF06K6E-TF5
AHA2490ZXD	AH2490Z	CF09K6E-PFV
AHA2490ZXF	AH2490Z	CF09K6E-TF5
AHA4518AXD	AH4518A	CS18K6E-PFV
AHA4518AXF	AH4518A	CS18K6E-TF5
AHA4518AXG	AH4518A	CS18K6E-TFD
AHA4520EXD	AH4520E	RR17K1-PFV
AHA4520EXF	AH4520E	RR17K1-TFC
AHA4524EXD	AH4524E	CRD1-0200-PFV
AHA4524EXF	AH4524E	CRD1-0200-TF5
AHA4525AXD	AH4525A	CS20K6E-PFV
AHA4525AXF	AH4525A	CS20K6E-TF5
AHA4525AXG	AH4525A	CS20K6E-TFD
AHA4531EXD	AH4531E	CR34KQ-PFV
AHA4531EXF	AH4531E	CR34KQ-TF5
AHA4540EXD	AH4540E	CR41KQ-PFV
AHA4540EXF	AH4540E	CR41KQ-TF5
AHA7480AXD	AH7480A	CS14K6E-PFV
AHA7480AXF	AH7480A	CS14K6E-TF5
AHA7511AXF	AH7511A	CS20K6E-TF5
AHA7511AXF	AHA7513ZXF	CS20K6E-TF5
AHA7511AXF	AH7513Z	CS20K6E-TF5
AHA7513ZXD	AH7513Z	CS12K6E-PFV
AHA7513ZXD	AHA7515JXB	CS12K6E-PFV
AHA7513ZXD	AH7515J	CS12K6E-PFV
AHA7514AXD	AH7514A	CS27K3E-PFV
AHA7514AXF	AH7514A	CS27K3E-TF5
AHA7521ZXD	AH7521Z	CS20K6E-PFV
AHA7521ZXD	AHA7524JXB	CS20K6E-PFV
AHA7521ZXD	AH7524J	CS20K6E-PFV
AHA7521ZXF	AH7521Z	CS20K6E-TF5
AHA7521ZXF	AHA7524JXF	CS20K6E-TF5
AHA7521ZXF	AH7524J	CS20K6E-TF5

Tecumseh Model	Old Tecumseh Model	Copeland Replacement Model
AHB7511AXD	AH7511B	CS20K6E-PFV
AJ14		ART69C1-IAA
AJ16		ART82C1-CAA
AJ1P13		RR12K1-PFV
AJ1R12		RR12K1-PFV
AJ2416		ARE41C3-IAA
AJ2416B		ARE41C3-IAA
AJ4		ART69C1-IAA
AJ4443A		ARE37C3-IAA
AJ4461A		ART51C1-IAA
AJ4461B		ART51C1-IAA
AJ4492E		RR81C2E-IAA
AJ4512A		RR10K2E-CAA
AJ5470E		ART69C1-IAA
AJ5471E		ART69C1-IAA
AJ5478E		ART69C1-IAA
AJ5512G		RR12K1-PFV
AJ5513E		RR12K1-PFV
AJ5513F		RR12K1-PFV
AJ5514E		RS70C1E-PFV
AJ5515E		RS70C1E-PFV
AJ5515F		RS70C1E-PFV
AJ5517E		RR16K1-PFV
AJ5517G		RR16K1-PFV
AJ5518E		CRA1-0150-PFV
AJ8494		ART69C1-IAA
AJ8514E		RR12K1-PFV
AJ8516E		RS70C1E-PFV
AJ8520E		CRA1-0150-PFV
AJA1420EXA	AJ1420E	No Replacement
AJA2419ZXA	AJ2419Z	AFT22C1E-IAA
AJA2425AXA	AJ2425A	AFJ23C1-IAA
AJA2425AXD	AJ2425A	RF18C2E-IAV
AJA2425ZXA	AJ2425Z	AFT26C1E-CFA
AJA2425ZXD	AJ2425Z	AFT26C1E-CFV
AJA4461AXA	AJ4461A	ART62C1-IAA
AJA4461AXD	AJ4461A	ART64C1E-IAV
AJA4492AXA	AJ4492A	ARJ84C1-IAA
AJA4492AXD	AJ4492A	ARJ84C1-IAV
AJA4492YXA	AJ4492YA	RR81C2E-IAA
AJA4492YXD	AJ4492Y	ARJ84C1E-IAV
AJA4512AXD	AJ4512A	ARJ11K1-CAV
AJA4512YXD	AJ4512Y	CS10K6E-PFV
AJA5517EXD		CR16K6-PFV
AJA7441AXA	AJ7441A	RS40C2E-IAA
AJA7441AXD	AJ7441A	RS40C2E-IAV
AJA7461YXA	AJ7461Y	RS54C2E-IAA
AJA7461YXD	AJ7461Y	RS54C2E-IAV
AJA7494ZXD	AJ7494Z	CS10K6E-PFV
AJA9484EXD	AJ9484E	RS97C2E-CAV

Tecumseh to Copeland Quick Reference

Tecumseh Model	Old Tecumseh Model	Copeland Replacement Model
AJB7465AXD	AJ7465B	CS14K6E-PFV
AJB7510JXD	AJ7510K	CS12K6E-PFV
AJC5519EXD		CRB1-0175-PFV
AJK8494E		ART82C1-CAA
AJR15		RR16K1-PFV
AJT15		CRA1-0150-PFV
AK5438E		ART82C1-CAA
AK5470E		ARE59C3-CAA
AK847SE		ARE59C3-CAA
AK8483E		ART69C1-IAA
AK8514E		RR12K1-PFV
AK8515E		RR12K1-PFV
AK9441		ARE27C3-IAA
AKA4460YXA	AK4460Y	ART62C1E-IAA
AKA4460YXD	AK4460Y	ART62C1E-IAV
AKA4476YXA	AK4476Y	ART64C1E-IAA
AKA4476YXD	AK4476Y	ART64C1E-IAV
AKA9427ZXA	AK9427Z	ASE24C3E-IAA
AKA9427ZXD	AK9427Z	ASE24C3E-IAV
AKA9428EXA	AK9428E	ARE59C3-CAA
AKA9428EXD	AK9428E	ARE59C3-CAV
AKA9434AXA	AK9434A	ART64C1E-IAA
AKA9438ZXA	AK9438Z	AST40C1E-IAA
AKA9438ZXD	AK9438Z	AST40C1E-IAV
AKA9441AXA	AK9441A	RS40C2E-IAA
AKA9442EXA	AK9442E	ART97C1-PAA
AKA9442EXD	AK9442E	ART97C1-PAV
AKA9451ZXA	AK9451Z	AST54C1E-IAA
AKA9451ZXD	AK9451Z	AST54C1E-CAV
AKA9455EXA	AK9455E	ART97C1-PAA
AKA9455EXD	AK9455E	RS64C2E-IAV
AKA9455ZXA	AK9455Z	AST54C1E-CAA
AKA9455ZXD	AK9455Z	AST54C1E-CAV
AKA9458JXA	AK9458J	RS64C2E-CAA
AKA9458JXD	AK9458J	RS64C2E-IAV
AKA9462EXD	AK9462E	RS64C2E-IAV
AKA9462ZXA	AK9462Z	RS64C2E-CAA
AKA9462ZXD	AK9462Z	RS64C2E-IAV
AKA9466JXA	AK9466J	RS80C2E-CAA
AKA9466JXD	AK9466J	RS80C2E-CAV
AKA9474JXD	AK9474J	RS86C2E-PFV
AP3311		ARE27C3-IAA
AP4111		ARE25C3-SAA
AP43		ARE27C3-IAA
AR43		ARE27C3-IAA
AT34		ARE27C3-IAA
AT3512		ARE41C3-IAA
AT3J12		AR41C3-IAA
AT43		ARE27C3-IAA
AT4C		ARE25C3-SAA

Tecumseh Model	Old Tecumseh Model	Copeland Replacement Model
AU14		ART69C1-IAA
AU16		ART82C1-CAA
AU4		ART69C1-IAA
AUR13		RS70C1E-PFY
AV5532E		CRF2-0250-PFV
AV5535E		CR34KQ-PFV
AV5538E		CR37KQ-PFV
AV5542E		CR41KQ-PFV
AV5546E		CR47KQ-PFV
AVA2490ZXN		CF09K6E-PFV
AVA2490ZXT		CF09K6E-TF5
AVA2512ZXG		CS33K3E-TFD
AVA2512ZXN		CF12K6E-PFV
AVA2512ZXT		CF12K6E-TF5
AVA5532EXN		CR33KQ-PFV
AVA5535EXN		CR36KQ-PFV
AVA5535EXT		CR36KQ-TF5
AVA5538EXG		CR37KQ-TFD
AVA5538EXN		CR37KQ-PFV
AVA5538EXT		CR37KQ-TF5
AVA5542EXG		CR41KQ-TFD
AVA5542EXN		CR41KQ-PFV
AVA5542EXT		CR41KQ-TF5
AVA5546EXG		CR47KQ-TFD
AVA5546EXN		CR47KQ-PFV
AVA5546EXT		CR47KQ-TF5
AVA7524ZXT		CS27K3E-TF5
AVD5558EXG		CRN5-0500-TFD
AVD5558EXN		CRN5-0500-PFV
AVD5558EXT		CRN5-0500-TF5
AW5517		CRA1-0150-PFV
AW5519		CRB1-0175-PFV
AW5520		CRB1-0175-PFV
AW5522		CRC1-0175-PFV
AW5524		CRD1-0200-PFV
AW5528		CRF2-0250-PFV
AW5530		CRF2-0250-PFV
AW5532		CR33KQ-PFV
AWA2440ZXA		No Replacement
AWA2440ZXD		AFJ37C1E-CFV
AWA2440ZXT		CF04K6E-TF5
AWA2460ZXD		CF06K6E-PFV
AWA2460ZXT		CF06K6E-TF5
AWA7512ZXD		CS12K6E-PFV
AWA7512ZXT		CS12K6E-TF5
AWA7515ZXD		CS14K6E-PFV
AWF5524EXG		CRD1-0200-TFD
AWF5524EXT		CRD1-0200-TF5
AWF5530EXG		CRF1-0250-TFD
AWF5530EXT		CRF1-0250-TF5

Copeland brand products Tecumseh to Copeland Quick Reference

Tecumseh Model	Old Tecumseh Model	Copeland Replacement Model
AWG4520EXN		CRC1-0175-PFV
AWG4524EXN		CRD1-0200-PFV
AWG5519EXN		CRB1-0175-PFV
AWG5520EXT		CRC1-0175-TF5
AWG5524EXN		CRD1-0200-PFV
AWG5524EXT		CRD1-0200-TF5
AWG5528EXN		CRE2-0225-PFV
AWG5530EXN		CRF2-0250-PFV
B02A		CRD1-0200-PFV
B02B		CRE2-0225-PFV
B1516		RR12KQ-PFV
B1616		RS70C1E-PFV
B1T16		RR10K2E-CAA
B21T18		CRC1-0175-PFV
B21U18		CRD1-0200-PFV
B2513		ART51C1-IAA
B2516		RS40C2E-IAA
B32P16		CRA1-0150-PFV
B74P18		CRA1-0150-PFV
B74T16		CRB1-0175-PFV
B7616		RR81C2E-IAA
B8413		ART69C1-IAA
BB5512E		RR12K1PFV
C14		ARE37C3-IAA
C2513		ART51C1-IAA
C2516		RS40C2E-IAA
C3311		ARE27C3-IAA
C34		ARE27C3-IAA
C3N16		ARE41C3-IAA
C41		ARE25C3-SAA
C4111		ARE25C3-SAA
C43		ARE27C3-IAA
C4414		ARE25C3-SAA
C4416		ARE27C3-IAA
C4C		ARE25C3-SAA
C4J34		ARE37C3-IAA
C5540E		CR37KQ-PFV
C7616		RR81C2E-IAA
C7P16		RS54C2E-IAA
CAJ2612		ART51C1-IAA
CAJ2P		ART51C1-IAA
CAJR13		RR81C2E-IAA

Tecumseh Model	Old Tecumseh Model	Copeland Replacement Model
CAT3512		ARE41C3-IAA
CAT3J12		ARE41C3-IAA
CL26X12		CRF2-0250-PFV
CL31Y14		CR37KQ-PFV
CL32ZA14		CR37KQ-PFV
CL36ZC14		CR41KQ-PFV
CL41ZA17		CR47KQ-PFV
CL51ZH17		CRP5-0450-PFV
CL5538E		CR37KQ-PFV
CL5544G		CR41KQ-PFV
CL5550E		CR47KQ-PFV
CL5562E		CRP5-0450-PFV
JA150		CRA1-0150-PFV
JE300		CR34KQ-PFV
PFB400		CR47KQ-PFV
PFB403		CR47KQ-PFV
PFB500		CRN5-0500-PFV
PFB503		CRN5-0500-PFV
PJE300		CR37KQ-PFV
RK5480		ART82C1-CAA
RK5513		RR12K1-PFV
RK5515		RR14K1-PFV
RK5518		CRA1-0150-PFV
S1N14		ARE37C3-IAA
S2S16		ART51C1-IAA
S3N16		ARE41C3-IAA
S4414		ARE25C3-SAA
S4416		ARE27C3-IAA
S7N16		ART69C1-IAA
S7R16		ART82C1-CAA

Copeland brand products Bristol to Copeland Quick Reference

Bristol Model	New Bristol Model	Copeland Replacement Model
H10A253BBC*		CS20K6E-PFV
H10B103BBC*		ARJ84C1-IAV
H10B123BBC*		ARJ11K1E-IAV
H10B183BBC*		CS14K6E-PFV
H10B612EBA*		ART51C1-IAA
H10B612EBC*		ART51C1-IAV
H10H302*		ARE27C3E-IAA
H10H382*		ARE27C3-IAA
H13A253BBC*		CS20K6E-PFV
H13A343BBC*		CS27K3E-PFV
H13A393BBC*		CS33K3E-PFV
H13A393DBE*		CS33K3E-TFD
H13A393DBL*		CS33K3E-TF5
H1NB113ABA*		ARJ84C1-IAA
H20A303*		CRF2-0250-PFV
H20A323*		CRF2-0250-PFV
H20A343*		CR33KQ-PFV
H20A353*		CR34KQ-PFV
H20A403*		CR37KQ-PFV
H20B153ABC*		CR16K6-PFV
H20B173ABC*		CR16K6-PFV
H20B193ABC*		CRA1-0150-PFV
H20B203ABC*		CRB1-0175-PFV
H20B213*		CRB1-0175-PFV
H20B223*		CRC1-0175-PFV
H20B243ABC*		CRC1-0175-PFV
H20B263*		CRD1-0200-PFV
H20B283ABC*		CRE2-0225-PFV
H20B293*		CRE2-0225-PFV
H20B313*		CRF2-0250-PFV
H20C233ABC*		CRC1-0175-PFV
H20C303ABC*		CRF2-0250-PFV
H20C343ABC*		CR34KQ-PFV
H20C343DBE*		CR34KQ-TFD
H20C343DBL*		CR34KQ-TF5
H20C373ABC*		CR37KQ-PFV
H20C373DBE*		CR37KQ-TFD
H20C373DBL*		CR37KQ-TF5
H20C403ABC*		CR41KQ-PFV
H20C403DBE*		CR41KQ-TFD
H20C403DBL*		CR41KQ-TF5
H20C423ABC*		CR41KQ-PFV
H20C423DBE*		CR41KQ-TFD
H20C423DBL*		CR41KQ-TF5
H20C453*		CR41KQ-PFV
H20C523*		CR53KQ-PFV
H20R453ABC*		CR47KQ-PFV
H20R453DBE*		CR47KQ-TFD
H20R453DBL*		CR47KQ-TF5

Bristol Model	New Bristol Model	Copeland Replacement Model
H20R483ABC*		CR47KQ-PFV
H20R483DBE*		CR47KQ-TFD
H20R483DBL*		CR47KQ-TF5
H20R513ABC*		CR47KQ-PFV
H20R583ABC*		CRP5-0450-PFV
H20R583DBE*		CRP5-0450-TFD
H20R583DBL*		CRP5-0450-TF5
H20R603ABC*		CRN5-0500-PFV
H20R603DBE*		CRP5-0450-TFD
H20R603DBL*		CRP5-0450-TFS
H21A273*		CRE2-0225-PFV
H21A293*		CRE2-0225-PFV
H21A313ABC*		CR33KQ-PFV
H21A313DBE*		CR33KQ-TFD
H21A313DBL*		CR33KQ-TF5
H21A343ABC*		CR34KQ-PFV
H21A343DBE*		CR34KQ-TFD
H21A343DBL*		CR34KQ-TF5
H21A373ABC*		CR37KQ-PFV
H21A373DBE*		CR37KQ-TFD
H21A373DBL*		CR37KQ-TF5
H21A413ABC*		CR41KQ-PFV
H21A413DBE*		CR41KQ-TFD
H21A413DBL*		CR41KQ-TF5
H21A4693ABC*		CR47KQ-PFV
H21A463DBE*		CR47KQ-TFD
H21A463DBL*		CR47KQ-TF5
H21B133ABC*		RR12K1-PFV
H21B153*		RR14K1-PFV
H21B173*		CRA1-0150-PFV
H21B193*		CRA1-0150-PFV
H21B203*		CRB1-0175-PFV
H21B223ABC*		CRB1-0175-PFV
H21B243*		CRD1-0200-PFV
H21B263ABC*		CRE2-0225-PFV
H21B273*		CRE2-0225-PFV
H21B283*		CRE2-0225-PFV
H21B293*		CRF2-0250-PFV
H21C463*		CR47KQ-PFV
H21C533*		CR47KQ-PFV
H21C613*		CRP5-0450-PFV
H21C683*		CRN5-0500-PFV
H21R453ABC*		CR47KQ-PFV
H21R453DBE*		CR47Q-TFD
H21R453DBL*		CR47KQ-TF5
H21R483CBC*		CR47KQ-PFV
H21R483DBE*		CR47KQ-TFD
H21R483DBL*		CR47KQ-TF5
H21R513DBE*		CR47KQ-TFD

* Designates any letter or number.

Copeland brand products Bristol to Copeland Quick Reference

Bristol Model	New Bristol Model	Copeland Replacement Model
H21R513DBL*		CR47KQ-TF5
H21R583CBC*		CRP5-0450-PFV
H21R583DBE*		CRP5-0450-TFD
H21R583DBL*		CRP5-0450-TF5
H21R603CBC*		CRN5-0500-PFV
H21R603DBE*		CRN5-0500-TFD
H21R603DBL*		CRN5-0500-TF5
H22A273*		CRE2-0225-PFV
H22A293*		CRF2-0250-PFV
H22A313*		CRF2-0250-PFV
H22A353*		CR34KQ-PFV
H22A383*		CR37KQ-PFV
H22A423*		CR41KQ-PFV
H22B153*		RR14K1-PFV
H22B173*		CRA1-0150-PFV
H22B193*		CRA1-0150-PFV
H22B233*		CRC1-0175-PFV
H22B253*		CRD1-0200-PFV
H22C563*		CR53KQPFV
H22C613*		CRN5-0500-PFV
H23A263ABC*		CRE2-0225-PFV
H23A263DBE*		CRE1-0225-TFD
H23A263DBL*		CRE1-0225-TFS
H23A283ABC*		CRE2-0225-PFV
H23A303ABC*		CRF2-0250-PFV
H23A303DBE*		CRF1-0250-TFD
H23A303DBL*		CRF1-0250-TF5
H23A323ABC*		CR33KQ-PFV
H23A323DBE*		CR33KQ-TFD
H23A323DBL*		CR33KQ-TF5
H23A353ABC*		CR34KQ-PFV
H23A353DBE*		CR34KQ-TFD
H23A353DBL*		CR34KQ-TF5
H23A35QABC*		CR34KQ-PFV
H23A35QDBE*		CR34KQ-TFD
H23A35QDBL*		CR34KQ-TF5
H23A36QABC*		CR37KQ-PFV
H23A383ABC*		CR37KQ-PFV
H23A383DBE*		CR37KQ-TFD
H23A383DBL*		CR37KQ-TF5
H23A38QDBE*		CR37KQ-TFD
H23A38QDBL*		CR37KQ-TF5
H23A423ABC*		CR41KQ-PFV
H23A423DBE*		CR41KQ-TFD
H23A423DBL*		CR41KQ-TF5
H23A42QABC*		CR41KQ-PFV
H23A42QDBE*		CR41KQ-TFD
H23A42QDBL*		CR41KQ-TF5
H23A463ABC*		CR47KQ-PFV

Bristol Model	New Bristol Model	Copeland Replacement Model
H23A463DBE*		CR47KQ-TFD
H23A463DBL*		CR47KQ-TF5
H23A46QABC*		CR47KQ-PFV
H23A46QDBE*		CR47KQ-TFD
H23A46QDBL*		CR47KQ-TF5
H23A503ABC*		CR47KQ-PFV
H23A503DBE*		CR47KQ-TFD
H23A503DBL*		CR47KQ-TF5
H23A50QABC*		CR53KQ-PFV
H23A50QDBE*		CR47KQ-TFD
H23A50QDBL*		CR47KQ-TF5
H23A543ABC*		CR53KQ-PFV
H23A543DBE*		CR53KQ-TFD
H23A543DBL*		CR53KQ-TF5
H23A54QDBE*		CR53KQ-TFD
H23A54QDBL*		CR53KQ-TF5
H23A563DBE*		CRT5-0450-TFD
H23A563DBL*		CRT5-0450-TF5
H23A56QDBE*		CRT5-0450-TFD
H23A56QDBL*		CRT5-0450-TF5
H23A623ABC*		CRN5-0500-PFV
H23A623DBE*		CRN5-0500-TFD
H23A623DBL*		CRN5-0500-TF5
H23A62QABC*		CRN5-0500-PFV
H23A62QDBE*		CRP5-0450-TFD
H23A62QDBL*		CRP5-0450-TF5
H23B153ABC*		CR16K6-PFV
H23B15QABC8		CR16K6-PFV
H23B15SABC*		CR16K6-PFV
H23B16SABC*		CR16K6-PFV
H23B173ABC*		CR16K6-PFV
H23B17QABC*		CR16K6-PFV
H23B17SABC*		CR16K6-PFV
H23B18SABC*		CRA1-0150-PFV
H23B193ABC*		CRA1-0150-PFV
H23B19QABC*		CRA1-0150-PFV
H23B203ABC*		CRB1-0175-PFV
H23B20QABC*		CRB1-0175-PFV
H23B20QDBL*		CRC1-0175-TF5
H23B20SABC*		CRB1-0175-PFV
H23B223ABC*		CRC1-0175-PFV
H23B223DBL*		CRC1-0175-TF5
H23B22QABC*		CRC1-0175-PFV
H23B22QDBL*		CRC1-0175-TF5
H23B22SABC*		CRC1-0175-PFV
H23B243ABC*		CRD1-0200-PFV
H23B24QABC*		CRD1-0200-PFV
H23B24QDBE*		CRD1-0200-TFD
H23B24QDBL*		CRD1-0200-TF5

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Copeland brand products Bristol to Copeland Quick Reference

Bristol Model	New Bristol Model	Copeland Replacement Model
H23B24SABC*		CRD1-0200-PFV
H23B263ABC*		CRE2-0225-PFV
H23B26QABC*		CRE2-0225-PFV
H23B26QDBE*		CRE1-0225-TFD
H23B26QDBL*		CRE1-0225-TF5
H23B26SABC*		CRE2-0225-PFV
H23B283ABC*		CRF2-0250-PFV
H23B283DBE*		CRF1-0250-TFD
H23B283DBL*		CRF1-0250-TF5
H23B28QABC*		CRF2-0250-PFV
H23B28QDBE*		CRE1-0225-TFD
H23B28QDBL*		CRE1-0225-TF5
H23B28SABC*		CRF2-0250-PFV
H23B303ABC*		CRF2-0250-PFV
H23B30QABC*		CRF2-0250-PFV
H23B30QDBE*		CRF1-0250-TFD
H23B30QDBL*		CRF1-0250-TF5
H23B30SABC*		CRF2-0250-PFV
H23B323ABC*		CR33KQ-PFV
H23B323DBE*		CR33KQ-TFD
H23B323DBL*		CR33KQ-TF5
H23B32QABC*		CR33KQ-PFV
H23B32QDBE*		CR33KQ-TFD
H23B32QDBL*		CR33KQ-TF5
H23B32SABC*		CR33KQ-PFV
H23B33SABC*		CR33KQ-PFV
H23B35QDBE*		CR34KQ-TFD
H23B35QDBL*		CR34KQ-TF5
H23B35SABC*		CR34KQ-PFV
H24A383ABC*		CR41KQ-PFV
H24A383DBE*		CR41KQ-TFD
H24A383DBL*		CR41KQ-TF5
H24A423ABC*		CR41KQ-PFV
H24A423DBE*		CR41KQ-TFD
H24A423DBL*		CR41KQ-TF5
H24B13QABC*		RR12K1-PFV
H24B153ABC*		CR16K6-PFV
H24B15QABC*		CR16K6-PFV
H24B17QABC*		CR16K6-PFV
H24B17QDBL*		CRA1-0150-TF5
H24B183ABC*		CRA1-0150-PFV
H24B19QABC*		CRB1-0175-PFV
H24B203ABC*		CRB1-0175-PFV
H24B20QABC*		CRB1-0175-PFV
H24B21QABC*		CRB1-0175-PFV
H24B223ABC*		CRC1-0175-PFV
H24B22QABC*		CRC1-0175-PFV
H24B24QABC*		CRC1-0175-PFV
H24B263ABC*		CRE2-0225-PFV

Bristol Model	New Bristol Model	Copeland Replacement Model
H24B26QABC*		CRE2-0225-PFV
H24B283ABC*		CRF2-0250-PFV
H24B28QABC*		CRE2-0225-PFV
H24B29QABC*		CRF2-0250-PFV
H24B30QABC*		CRF2-0250-PFV
H25A32QCBC*		CR33KQ-PFV
H25A32QDBE*		CR33KQ-TFD
H25A32QDBL*		CR33KQ-TF5
H25A35QCBC*		CR34KQ-PFV
H25A35QDBE*		CR34KQ-TFD
H25A35QDBL*		CR34KQ-TF5
H25A38QCBC*		CR37KQ-PFV
H25A38QDBE*		CR37KQ-TFD
H25A38QDBL*		CR37KQ-TF5
H25A42QCBC*		CR41KQ-PFV
H25A42QDBE*		CR41KQ-TFD
H25A42QDBL*		CR41KQ-TF5
H25A46QCBC*		CR47KQ-PFV
H25A46QDBE*		CR47KQ-TFD
H25A46QDBL*		CR47KQ-TF5
H25A50QCBC*		CR47KQ-PFV
H25A50QDBE*		CR47KQ-TFD
H25A50QDBL*		CR47KQ-TF5
H25A54QCBC*		CR53KQ-PFV
H25A54QDBE*		CR53KQ-TFD
H25A54QDBL*		CR53KQ-TF5
H25A563DBE*		CRT5-0450-TFD
H25A563DBL*		CRT5-0450-TF5
H25A56QDBE*		CRT5-0450-TFD
H25A56QDBL*		CRT5-0450-TF5
H25A62QCBC*		CRN5-0500-PFV
H25A62QDBE*		CRN5-0500-TFD
H25A62QDBL*		CRN5-0500-TF5
H25B15QABC*		CR16K6-PFV
H25B17QABC*		CR16K6-PFV
H25B18QABC*		CRA1-0150-PFV
H25B20QABC*		CRB1-0175-PFV
H25B22QABC*		CRC1-0175-PFV
H25B22QDBL*		CRC1-0175-TF5
H25B24QABC*		CRD1-0200-PFV
H25B24QDBE*		CRD1-0200-TFD
H25B24QDBL*		CRD1-0200-TF5
H25B26QABC*		CRE2-0225-PFV
H25B28QABC*		CRF2-0250-PFV
H25B28QDBE*		CRF1-0250-TFD
H25B28QDBL*		CRF1-0250-TF5
H25B30QABC		CRF2-0250-PFV
H25B30QDBE*		CRF1-0250-TFD
H25B30QDBL*		CRF1-0250-TF5

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Copeland brand products Bristol to Copeland Quick Reference

Bristol Model	New Bristol Model	Copeland Replacement Model
H25B32QABC*		CR33KQ-PFV
H25B32QDBE*		CR33KQ-TFD
H25B32QDBL*		CR33KQ-TF5
H25B35QABC*		CR36KQ-PFV
H25B35QDBE*		CR34KQ-TFD
H25B35QDBL*		CR34KQ-TF5
H26A32QCBC*		CRF2-0250-PFV
H26A32QDBE*		CR33KQ-TFD
H26A32QDBL*		CR33KQ-TF5
H26A35QCBC*		CR36KQ-PFV
H26A35QDBE*		CR36KQ-TFD
H26A35QDBL*		CR36KQ-TF5
H26A38QCBC*		CR37KQ-PFV
H26A38QDBE*		CR37KQ-TFD
H26A38QDBL*		CR37KQ-TF5
H26A42QCBC*		CR41KQ-PFV
H26A42QDBE*		CR41KQ-TFD
H26A42QDBL*		CR41KQ-TF5
H26A46QDBE*		CR47KQ-TFD
H26A46QDBL*		CR47KQ-TF5
H26A50QCBC*		CR47KQ-PFV
H26A50QDBE*		CR47KQ-TFD
H26A50QDBL*		CR47KQ-TF5
H26A54QDBE*		CR53KQ-TFD
H26A54QDBL*		CR53KQ-TF5
H26A56QDBE*		CRT5-0450-TFD
H26A56QDBL*		CRT5-0450-TF5
H26A62QDBE*		CRN5-0500-TFD
H26A62QDBL*		CRN5-0500-TF5
H26B15QCBC*		CR16K6-PFV
H26B17QCBC*		CR16K6-PFV
H26B18QCBC*		CRA1-0150-PFV
H26B20QCBC*		CRB1-0175-PFV
H26B22QCBC*		CRC1-0175-PFV
H26B24QCBC*		CRD1-0200-PFV
H26B26QCBC*		CRE2-0225-PFV
H26B28QCBC*		CRF2-0250-PFV
H26B28QCBC*		CRF2-0250-PFV
H26B30QCBC*		CRF2-0250-PFV
H27A28QCBC*		CRF2-0250-PFV
H27A32QCBC*		CR33KQ-PFV
H27A32QDBE*		CR33KQ-TFD
H27A32QDBL*		CR33KQ-TF5
H27A35QCBC*		CR36KQ-PFV
H27A35QDBE*		CR36KQ-TFD
H27A35QDBL*		CR36KQ-TF5
H27A38QCBC*		CR37KQ-PFV
H27A38QDBE*		CR37KQ-TFD
H27A38QDBL*		CR37KQ-TF5

Bristol Model	New Bristol Model	Copeland Replacement Model
H27A42QCBC*		CR41KQ-PFV
H27A42QDBE*		CR41KQ-TFD
H27A42QDBL*		CR41KQ-TF5
H27A46QCBC*		CR47KQ-PFV
H27A46QDBE*		CR47KQ-TFD
H27A46QDBL*		CR47KQ-TF5
H27A50QCBC*		CR47KQ-PFV
H27A50QDBE*		CR47KQ-TFD
H27A50QDBL*		CR47KQ-TF5
H27A54QCBC*		CR53KQ-PFV
H27A54QDBE*		CR53KQ-TFD
H27A54QDBL*		CR53KQ-TF5
H27A56QCBC*		CRP5-0450-PFV
H27A56QDBE*		CRP5-0450-TFD
H27A56QDBL*		CRP5-0450-TF5
H27A62QCBC*		CRN5-0500-PFV
H27A62QDBE*		CRN5-0500-TFD
H27A62QDBL*		CRN5-0500-TF5
H27B15QCBC*		CR16K6-PFV
H27B17QCBC*		CRA1-0150-PFV
H27B18QCBC*		CRA1-0150-PFV
H27B20QCBC*		CRC1-0175-PFV
H27B22QCBC*		CRC1-0175-PFV
H27B24QCBC*		CRD1-0200-PFV
H27B26QCBC*		CRE2-0225-PFV
H27B30QCBC*		CRF2-0250-PFV
H27B32QCBC*		CR33KQ-PFV
H27B35QCBC*		CR34KQ-PFV
H29B15UABC*		CR16K6-PFV
H29B16UABC*		CR16K6-PFV
H29B17UABC*		CR16K6-PFV
H29B18UABC*		CRA1-0150-PFV
H29B20UABC*		CRB1-0175-PFV
H29B22UABC*		CRC1-0175-PFV
H29B22UDBL*		CRC1-0175-TF5
H29B24UABC*		CRD1-0200-PFV
H29B24UDBE*		CRD1-0200-TFD
H29B24UDBL*		CRD1-0200-TF5
H29B26UABC*		CRE2-0225-PFV
H29B26UDBE*		CRE1-0225-TFD
H29B26UDBL*		CRE1-0225-TF5
H29B28UABC*		CRF2-0250-PFV
H29B28UDBE*		CRE1-0225-TFD
H29B28UDBL*		CRE1-0225-TF5
H29B30UABC*		CRF2-0250-PFV
H29B30UDBE*		CRF1-0250-TFD
H29B30UDBL*		CRF1-0250-TF5
H29B32UABC*		CR33KQ-PFV
H29B32UDBE*		CR33KQ-TFD

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Copeland brand products Bristol to Copeland Quick Reference

Bristol Model	New Bristol Model	Copeland Replacement Model
H29B32UDBL*		CR33KQ-TF5
H29B33UABC*		CR33KQ-PFV
H29B33UDBE*		CR33KQ-TFD
H29B33UDBL*		CR33KQ-TF5
H29B35UABC*		CR36KQ-PFV
H29B35UDBE*		CR34KQ-TFD
H29B35UDBL*		CR34KQ-TF5
H2EA193*		CRA1-0150-PFV
H2EA223*		CRB1-0175-PFV
H2EA253*		CRD1-0200-PFV
H2EA293*		CRE2-0225-PFV
H2EA333*		CR33KQ-PFV
H2EA363*		CR34KQ-PFV
H2EA413*		CR41KQ-PFV
H2EC483*		CR47KQ-PFV
L10H112*		ARE27C3-SAA
L10H132*		ARE37C3-IAA
L1NB262EBA*		AFJ23C1-IAA
L51652DBD*		CS18K6E-TF5
L51652DBE*		CS18K6E-TFD
L51B452BBC*		CS12K6E-PFV
L51B562BBC*		CS14K6E-PFV
L51B562DBE*		CS14K6E-TFD
L51B562DBL*		CS14K6E-TF5
L51B652BBC*		CS18K6E-PFV
L51B652DBD		CS18K6E-TF5
L51B652DBE*		CS18K6E-TFD
L51B752BBC*		CF06K6E-PFV
L51B752DBL*		CF06K6E-TF5
L53A113BBC*		CF09K6E-PFV
L53A113DBE*		CF09K6E-TFD
L53A113DBL*		CF09K6E-TF5
L61B452BBC*		CS12K6E-PFV
L61B562DBE*		CS14K6E-TFD
L61B562DBL*		CS14K6E-TF5
L61B652BBC*		CS18K6E-PFV
L61B652DBD*		CS18K6E-TF5
L61B652DBE*		CS18K6E-TFD
L61B752BBC*		CF06K6E-PFV
L61B752DBL*		CF06K6E-TF5
L63A113BBC*		CF09K63-PFV
L63A113DBE*		CF09K6E-TFD
L63A113DBL*		CF09K6E-TF5
M10A153DBE*		CS27K3E-TFD
M10A163BBC*		CS33K3E-PFV
M10A163DBL*		CS27K3E-TF5
M13A113BBC*		CS20K6E-PFV
M13A113DBL*		CS20K6E-TF5
M13A143BBC*		CS27K3E-PFV

Bristol Model	New Bristol Model	Copeland Replacement Model
M13A163BBC*		CS33K3E-PFV
M13A163BBC*		CS33K3E-PFV
M13A163DBL*		CS33K3E-TF5
M1N802BBC*		CS14K6E-PFV
M1NB642EBC*		CS12K6E-PFV
M1NB802BBC*		CS14K6E-PFV
M1NB922BBC*		CS18K6E-PFV
M1NB922DBL*		CS14K6E-TF5
M50A273BBC*		CS27K3E-PFV
M50A273DBD*		CS27K3E-TF5
M50B103BBC*		CS12K6E-PFV
M51B163BBC*		CS18K6E-PFV
M51B542BBA*		RS55C2E-CAA
M51B872BBC*		CS10K6E-PFV
M51B872DBL*		CS10K6E-TF5
M52B123BBC*		CS14K6E-PFV
M52B143BBC*		CS14K6E-PFV
M53A223BBC*		CS27K3E-PFV
M53A27DBD*		CS27K3E-TF5
M53A27DBE*		CS27K3E-TFD
M53A303BBC*		CS33K3E-PFV
M53A303DBL*		CS33K3E-TF5
M53B103BBC*		CS12K6E-PFV
M53B143BBC*		CS14K6E-PFV
M53B143DBD*		CS14K6E-TF5
M53B163BBC*		CS18K6E-PFV
M53B203BBC*		CS20K6E-PFV
M53B203DBD*		CS20K6E-TF5
M53B982BBC*		CS10K6E-PFV
M61B123BBC*	M51B123BBC*	CS14K6E-PFV
M61B123DBE*	M51B123DBE*	CS14K6E-TFD
M61B123DBL*	M51B123DBL*	CS14K6E-TF5
M61B143BBC*	M51B143BBC*	CS18K6E-PFV
M61B143DBE*	M51B1543DBE*	CS14K6E-TFD
M61B143DBL*	M51B143DBL*	CS14K63-TF5
M63A273BBC*	M53A273BBC*	CS27K3E-PFV
M63A273DBD*	M53A273DBD*	CS27K3E-TF5
M63A273DBE*	M53A273DBE*	CS27K3E-TFD
M65972BBC*		CS10K6E-PFV
M65B133BBC*		CS14K6E-PFV
M65B163BBC*		CS18K6E-PFV
M65B163DBE*		CS18K6E-TFD
M65B163DBL*		CS18K6E-TF5
M65B203BBC*		CS20K6E-PFV
M65B203DBL*		CS20K6E-TF5
M66A323BBC*		CS33K3E-PFV
M66A323DBE*		CS33K3E-TFD
M66A323DBL*		CS33K3E-TF5

* Designates any letter or number.

A Compressors

High Temperature



- Single cylinder 1/8 to 1 horsepower.
- R-12 and R-134a
- High and low starting torque.
- Relay and capacitor shipped with compressor
- Sweat stub tube for most models.
- Low sound, high reliability.
- Copeland replacement for J body.
- Excellent replacement for Tecumseh AEA compressors.
- Applications: reach-ins, vending, lab equipment, small freezers, and M line condensing units.

High Temperature

Model Number	BTU	Dimensions (In.)			Weight (Lbs.)	Refrig.	Suction	Discharge	Oil Type	Displacement	4 Year Warranty Extension
		L	W	H							
ARE40C4-IAA-959	3620	10.50	6.40	7.88	24.3	R-12	3/8 Stub	1/4 Stub	AB	81.78	45.00
ARE51C4-CAA-901	4600	10.50	6.40	8.12	22.9	R-12	5/16 Stub	1/4 Stub	AB	59.75	60.00
ARE51C4-CAA-959	4600	10.50	6.40	8.12	22.9	R-12	3/8 Stub	1/4 Stub	AB	59.75	70.00
ASE20C4-IAA-959	3690	10.50	6.40	7.38	22.9	R-22	5/16 Stub	1/4 Stub	AB	53.99	50.00
ASE20C4-IAA-901	3690	10.50	6.40	7.38	22.9	R-22	5/16 Stub	1/4 Stub	AB	53.99	50.00
ASE26C4-IAA-959	4390	10.50	6.40	7.88	24.3	R-22	5/16 Stub	1/4 Stub	AB	65.21	60.00
ASE35C4-CAA-959	5700	10.50	6.40	8.12	25.6	R-22	5/16 Stub	1/4 Stub	AB	89.90	85.00
ASE35C4-CAA-901	5700	10.50	6.40	8.12	25.6	R-22	5/16 Stub	1/4 Stub	AB	89.90	85.00
ARE25C3E-IAA-901	2370	10.50	6.40	7.40	25.0	R-134a	5/16 Stub	1/4 Stub	POE	59.40	50.00
ARE27C3E-IAA-901	2760	10.50	6.40	7.40	26.0	R-134a	5/16 Stub	1/4 Stub	POE	65.10	50.00
ARE37C3E-IAA-959	3730	10.50	6.40	7.40	26.0	R-134a	3/8 Stub	1/4 Stub	POE	89.90	50.00
ARE37C3E-IAA-901	3730	10.50	6.40	7.40	26.0	R-134a	5/16 Stub	1/4 Stub	POE	89.90	50.00
ARE41C3E-IAA-959	4250	10.50	6.40	7.90	27.0	R-134a	3/8 Stub	1/4 Stub	POE	100.38	50.00
ARE41C3E-IAA-901	4250	10.50	6.40	7.90	27.0	R-134a	5/16 Stub	1/4 Stub	POE	100.38	50.00
ARE51C4E-CAA-959	5220	10.50	6.40	8.12	25.6	R-134a	3/8 Stub	1/4 Stub	POE	149.75	100.00

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97147	ARE40C4-IAA-959 3620 BTU 115-1 R12 HT SWEAT COMPRESSOR			
1	EA	97148	ARE51C4-CAA-901 4600 BTU 115-1 R12 HT SWEAT COMPRESSOR			
1	EA	97149	ARE51C4-CAA-959 4600 BTU 115-1 R12 HT SWEAT COMPRESSOR			
1	EA	97166	ASE20C4-IAA-959 3690 BTU 115-1 R22 HT SWEAT COMPRESSOR			
1	EA	97165	ASE20C4-IAA-901 3690 BTU 115-1 R22 HT SWEAT COMPRESSOR			
1	EA	97167	ASE26C4-IAA-959 4390 BTU 115-1 R22 HT SWEAT COMPRESSOR			
1	EA	97169	ASE35C4-CAA-959 5700 BTU 115-1 R22 HT SWEAT COMPRESSOR			
1	EA	97168	ASE35C4-CAA-901 3430 BTU 115-1 R22 HT SWEAT COMPRESSOR			
1	EA	97557	ARE25C3E-IAA-901 2460 BTU 115-1 R134 HT SWEAT COMPRESSOR			
1	EA	97096	ARE27C3E-IAA-901 2760 BTU 115-1 R134A HT SWEAT COMPRESSOR			
1	EA	97103	ARE37C3E-IAA-959 3730 BTU 115-1 R134A HT COMPRESSOR			
1	EA	97101	ARE37C3E-IAA-901 3730 BTU 115-1 R134A HT SWEAT COMPRESSOR			
1	EA	97121	ARE41C3E-IAA-959 4250 BTU 115-1 R134A HT COMPRESSOR			
1	EA	97120	ARE41C3E-IAA-901 4250 BTU 115-1 R134A HT SWEAT COMPRESSOR			
1	EA	97163	ARE51C4E-CAA-959 5220 BTU 115-1 R134A HT COMPRESSOR			

A Compressors

Medium Temperature



- Single cylinder 1/8 to 1 horsepower.
- R-134a and R-404A
- High and low starting torque.
- Relay and capacitor shipped with compressor
- Sweat stub tube for most models.
- Low sound, high reliability
- Copeland replacement for J body.
- Excellent replacement for Tecumseh AEA compressors.
- Applications: reach-ins, vending, lab equipment, small freezers, and M line condensing units.

Medium Temperature

Model Number	BTU	Dimensions (In.)			Weight (Lbs.)	Suction	Discharge	Refrig	Oil Type	Displacement	4 Year Warranty Extension
		L	W	H							
AFE10C3E-IAA-901	936	10.50	6.40	7.90	26.9	R-134a	5/16 Stub	1/4 Stub	POE	89.90	50.00
AFE11C3E-IAA-901	984	10.50	6.40	7.40	25.7	R-404A	5/16 Stub	1/4 Stub	POE	65.10	60.00
AFE12C4E-IAA-959	1325	10.50	6.40	8.12	30.0	R-134a	3/8 Stub	1/4 Stub	POE	124.64	85.00
AFE13C3E-IAA-901	1450	10.50	6.40	7.90	27.0	R-404A	5/16 Stub	1/4 Stub	POE	89.90	60.00
AFE17C4E-IAA-901	1700	10.50	6.40	8.12	25.6	R-404A	5/16 Stub	1/4 Stub	POE	89.90	85.00
ASE24C3E-IAA-901	2290	10.50	6.40	7.40	25.5	R-404A	5/16 Stub	1/4 Stub	POE	65.10	50.00
ASE32C3E-CAA-901	3330	10.50	6.40	8.10	31.0	R-404A	5/16 Stub	1/4 Stub	POE	89.90	85.00

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97092	AFE10C3E-IAA-901 936 BTU 115-1 R134A EMT COMPRESSOR			
1	EA	97117	AFE11C3E-IAA-901 984 BTU 115-1 R404A LT SWEAT COMPRESSOR			
1	EA	97141	AFE12C4E-IAA-901 1325 BTU 115-1 R134A EMT COMPRESSOR			
1	EA	97094	AFE13C3E-IAA-901 1450 BTU 115-1 R404A LT SWEAT COMPRESSOR			
1	EA	97142	AFE17C4E-IAA-901 1700 BTU 115-1 R404A EMT SWEAT COMPRESSOR			
1	EA	97139	ASE24C3E-IAA-901 2290 BTU 115-1 R404A MT COMPRESSOR			
1	EA	97140	ASE32C3E-CAA-901 3330 BTU 115-1 R404A MT COMPRESSOR			

Copeland® R Compressors

High Temperature



- Single cylinder
- 1/2 to 1-1/2 horsepower
- R-12, R-22, R-134a, R-404A
- High temperature applications
- High starting torque
- 230 and 115 volt single phase applications
- Some 230 volt 3 phase models
- Stub tube and rotalock suction models
- Electrical components shipped with compressor
- For ice machines, reach-ins, walk-ins, lab equipment, and ice cream machines

Model Number	BTU	Dimensions (In)			Wt (Lbs)	Suction	Discharge	Refrigerant	Oil	Displacement	4 Year Wrty Ext
		L	W	H							
RRT62C1-IAA-901	5460	10.3	7.1	8.2	36.4	3/8 Stub	1/4 Stub	R-12	AB	129.13	$85.00
RRT62C1E-IAA-901	5600	10.3	7.1	8.2	36.4	3/8 Stub	1/4 Stub	R-134A	POE	129.13	$100.00
RST40C1-IAA-959	5930	10.3	7.1	8.7	36.8	1" Rotalock	1/4 Stub	R-22	AB	93.21	$100.00
RRT64C1E-IAA-959	6760	10.3	7.1	8.7	37.5	3/8 Stub	1/4 Stub	R-134A	POE	151.76	$115.00
RST55C1-CAV-959	8720	10.3	7.1	8.7	38	1" Rotalock	1/4 Stub	R-22	AB	129.13	$150.00
RST55C1-CAA-959	8790	10.3	7.1	8.69	38	1" Rotalock	1/4 Stub	R-22	AB	129.13	$150.00
RRT81C1E-PFA-959	9020	10.3	7.1	9.8	39.2	1/2 Stub	3/8 Stub	R-134A	POE	176.1	$125.00
RRT10K1E-PFV-959	10250	10.3	7.1	9.8	39.2	1/2 Stub	3/8 Stub	R-134A	POE	206.38	$150.00
RRT10K1E-PFA-959	10400	10.3	7.1	9.8	39.2	1/2 Stub	3/8 Stub	R-134A	POE	206.38	$150.00
RST10K1-PFV-901	10500	10.3	7.1	9.8	39.2	1/2 Stub	3/8 Stub	R-22	AB	206.38	$115.00
RST64C1-CAV-959	11400	10.3	7.1	9.2	39.2	1" Rotalock	1/4 Stub	R-22	AB	166.14	$125.00
RST80C1-PFV-901	13600	10.3	7.1	9.8	39.2	1/2 Stub	3/8 Stub	R-22	AB	176.1	$150.00
RST97C1-PFV-901	15400	10.3	7.1	9.8	39.2	1/2 Stub	3/8 Stub	R-22	AB	194.45	$150.00
RST10K1-TA5-959	15700	10.3	7.1	9.8	39.2	1/2 Stub	3/8 Stub	R-22	AB	206.38	$170.00

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97195	RRT62C1-IAA-901 5460 BTU 115-1 R12 HT SWEAT COMPRESSOR			
1	EA	97193	RRT62C1E-IAA-901 5600 BTU 115-1 R134A HT SWEAT COMPRESSOR			
1	EA	97369	RST40C1-IAA-959 3450 BTU 115-1 R22 HT COMPRESSOR			
1	EA	97196	RRT64C1E-IAA-959 6760 BTU 115-1 R134A HT COMPRESSOR			
1	EA	97379	RST55C1-CAV-959 8720 BTU 230-1 R22 HT COMPRESSOR			
1	EA	97377	RST55C1-CAA-959 8790 BTU 115-1 R22 HT COMPRESSOR			
1	EA	97199	RRT81C1E-PFA-959 9020 BTU 115-1 R134A HT COMPRESSOR			
1	EA	97194	RRT10K1E-PFV-959 10,250 BTU 230-1 R134A HT COMPRESSOR			
1	EA	97170	RRT10K1E-PFA-959 10400 BTU 115-1 R134A HT COMPRESSOR			
1	EA	97367	RST10K1-PFV-901 10,500 BTU 230-1 R22 HT SWEAT COMPRESSOR			
1	EA	97416	RST64C1-CAV-959 11400 BTU 230-1 R22 HT SWEAT COMPRESSOR			
1	EA	97484	RST80C1-PFV-901 13,600 BTU 230-1 R22 HT COMPRESSOR			
1	EA	97508	RST97C1-PFV-901 15,400 BTU 230-1 R22 HT COMPRESSOR			
1	EA	97368	RST10K1-TA5-959 15,700 BTU 230-3 R22 HT COMPRESSOR			

R Compressors

Medium and Extended Medium Temperature



- Single cylinder
- 1/2 to 1-1/2 horsepower
- R-12, R-22, R-134a, R-404A
- High temperature applications
- High starting torque
- 230 and 115 volt single phase applications
- Some 230 volt 3 phase models
- Stub tube and rotalock suction models
- Electrical components shipped with compressor
- For ice machines, reach-ins, walk-ins, lab equipment, and ice cream machines

Model Number	BTU	Dimensions (In)			Wt (Lbs)	Suction	Discharge	Refrigerant	Oil	Displacement (ft^3/hr)	4 Year Wrty Ext
		L	W	H							
RST40C1E-CAA	3660	10.3	7.1	8.7	36.8	3/8 Stub	1/4 Stub	R-404 A	POE	93.21	$75.00
RST45C1E-1AA-959	4140	10.3	7.1	8.69	37.2	1" Rotalock	1/4 Stub	R-404A	POE	107.75	$115.00
RST45C1E-CAV	4240	10.3	7.1	8.7	37.2	3/8 Stub	1/4 Stub	R-404A	POE	107.75	$75.00
RST55C1E-CAA	5200	10.3	7.1	8.69	38	3/8 Stub	1/4 Stub	R-404 A	POE	129.13	$78.00
RST64C1E-IAV-959	6680	10.3	7.1	9.2	39.2	1" Rotalock	1/4 Stub	R-404A	POE	166.14	$125.00
RST64C1E-CFA-959	6680	10.3	7.1	9.2	39.2	1" Rotalock	1/4 Stub	R-404A	POE	166.14	$150.00
RST64C1E-CAV-959	6870	10.3	7.1	9.2	39.2	1" Rotalock	1/4 Stub	R-404A	POE	166.14	$150.00
RST70C1-PFV-959	7240	10.3	7.1	9.8	39.2	1/2 Stub	3/8 Stub	R-22	AB	151.75	$150.00
RST70C1E-PFV	7150	10.3	7.1	9.8	39.2	3/8 Stub	3/8 Stub	R-404 A	POE	151.75	$78.00
RST70C1E-TA5	6980	10.3	7.1	9.8	39.2	1/2 Stub	3/8 Stub	R-404 A	POE	151.75	$90.00
RST80C1E-PFV-959	8250	10.3	7.1	9.8	39.2	1/2 Stub	3/8 Stub	R-404A	POE	176.1	$150.00
RST97C1E-PFV-959	9460	10.3	7.1	9.8	39.2	1/2 Stub	3/8 Stub	R-404A	POE	194.45	$170.00

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97640	RST40C1E-CAA-901 3660 BTU 115-1 R404 EMT SWEAT COMPRESSOR			
1	EA	97376	RST45C1E-IAA-959 4140 BTU 115-1 R404A EMT COMPRESSOR			
1	EA	97641	RST45C1E-CAV-901 4240 BTU 230-1 R404 EMT SWEAT COMPRESSOR			
1	EA	97642	RST55C1E-CAA-901 5200 BTU 230-1 R404 EMT SWEAT COMPRESSOR			
1	EA	97474	RST64C1E-IAV-959 6680 BTU 230-1 R404A EMT COMPRESSOR			
1	EA	97473	RST64C1E-CFA-959 6680 BTU 115-1 R404A EMT COMPRESSOR			
1	EA	97449	RST64C1E-CAV-959 6870 BTU 230-1 R404A EMT COMPRESSOR			
1	EA	97475	RST70C1E-PFV-959 7240 BTU 230-1 R22 MT SWEAT COMPRESSOR			
1	EA	97644	RST70C1E-PFV-901 7150 BTU 230-1 R404 EMT SWEAT COMPRESSOR			
1	EA	97643	RST70C1E-TA5-959 6980 BTU 230-3 R404 EMT SWEAT COMPRESSOR			
1	EA	97483	RST80C1E-PFV-959 8250 BTU 230-1 404A EMT COMPRESSOR			
1	EA	97507	RST97C1E-PFV-959 9460 BTU 230-1 R404A EMT COMPRESSOR			

CF Compressors

Low Temperature



- Two cylinder
- 1 to 5 horsepower
- R-404A
- 230 volt single- and three-phase
- Replacement for Tecumseh AH and AV
- Applications: ice machines, walk-ins and chillers
- 970 sweat connections
- 979 sweat connections with electrical components
- Stub tube models

Model Number	BTU	Dimensions (In.)			Weight (Lbs.)	Suction	Discharge	Oil Type	Displacement (ft^3/Hr.)	4 Year Warranty Extension
		L	W	H						
CF04K6E-PFV-945	3680	10.23	9.65	13.31	66.0	3/4 Stub	1/2 Stub	POE	270.64	170.00
CF06K6E-PFV-945	6,690	10.23	9.65	13.31	66.0	3/4 Stub	1/2 Stub	POE	368.01	170.00
CF06K6E-TF5-945	6,320	10.23	9.65	13.31	64.0	3/4 Stub	1/2 Stub	POE	368.01	185.00
CF09K6E-PFV-945	9,800	10.23	9.65	13.81	69.0	3/4 Stub	1/2 Stub	POE	470.00	185.00
CF09K6E-TF5-945	9,620	10.23	9.65	13.81	67.0	3/4 Stub	1/2 Stub	POE	534.59	200.00
CF12K6E-PFV-945	12,700	10.23	9.65	14.31	69.0	3/4 Stub	1/2 Stub	POE	665.12	200.00
CF12K6E-TF5-945	12,500	10.23	9.65	14.31	69.0	3/4 Stub	1/2 Stub	POE	665.12	250.00

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97661	CF04K6E-PFV-945 3680 BTU 230-1 R404A LT COMPRESSOR			
1	EA	97129	CF06K6E-PFV-945 6690 BTU 230-1 R404A LT COMPRESSOR			
1	EA	97130	CF06K6E-TF5-945 6360 BTU 230-3 R404A LT COMPRESSOR			
1	EA	97132	CF09K6E-PFV-945 9800 BTU 230-1 R404A LT COMPRESSOR			
1	EA	97133	CF09K6E-TF5-945 9620 BTU 230-3 R404A LT COMPRESSOR			
1	EA	97135	CF12K6E-PFV-945 12,700 BTU 230-1 R404A LT COMPRESSOR			
1	EA	97136	CF12K6E-TF5-945 12,200 BTU 230-3 R404A LT COMPRESSOR			

CS Compressors

Medium, Extended Medium, and High Temperature



- Two cylinder
- 1 to 5 horsepower
- R-134a, R-22, R-404A
- 230 volt single- and three-phase
- Replacement for Tecumseh AH and AV
- Applications: ice machines, walk-ins and chillers
- 970 sweat connections
- 979 sweat connections with electrical components
- Stub tube models

Specifiations

Model Number	BTU	Dimensions (In.)			Weight (Lbs.)	Suction	Discharge	Oil Type	Displacement	4 Year Warranty Extension
		L	W	H						
CS10K6E-PFV-945	*	10.23	9.65	13.31	62.0	3/4 Stub	3/8 Stub	POE	275.07	150.00
CS14K6E-TF5-945	*	10.23	9.65	13.44	61.0	5/8 Stub	3/8 Stub	POE	349.66	185.00
CS14K6E-PFV-945	*	10.23	9.65	13.44	64.0	5/8 Stub	3/8 Stub	POE	349.66	170.00
CS18K6E-PFV-945	*	10.23	9.65	13.81	65.0	5/8 Stub	3/8 Stub	POE	442.34	170.00
CS20K6E-TF5-945	*	10.23	9.65	14.06	65.0	5/8 Stub	1/2 Stub	POE	534.59	185.00
CS20K6E-PFV-945	*	10.23	9.65	14.06	67.0	5/8 Stub	1/2 Stub	POE	534.59	170.00
CS27K6E-TF5-945	*	10.23	9.65	14.81	76.0	5/8 Stub	1/2 Stub	POE	679.79	200.00
CS27K6E-PFV-945	*	10.23	9.65	14.81	76.0	5/8 Stub	1/2 Stub	POE	679.79	200.00
CS33K6E-TF5-956	*	10.23	9.65	14.81	79.0	7/8 Stub	1/2 Stub	POE	756.06	250.00
CS33K6E-PFV-956	*	10.23	9.65	14.81	76.0	7/8 Stub	1/2 Stub	POE	756.06	200.00

* BTUs vary; see Compressor Application Table

Compressor Application Table

Application	Medium Temperature	Ext. Medium Temperature	High Temperature	High Temperature
Refrigerant	R-22	R-404A	R-134a	R-404A
Compressor	BTU Capacity	BTU Capacity	BTU Capacity	BTU Capacity
CS10K6E-PFV-945	10,800	10,100	11,600	17,350
CS14K6E-TF5-945	13,900	13,900	16,000	23,200
CS14K6E-PFV-945	14,300	14,100	16,300	23,200
CS18K6E-PFV-945	18,600	18,100	20,600	NR
CS20K6E-TF5-945	20,300	19,800	22,700	34,100
CS20K6E-PFV-945	20,600	20,000	23,300	34,900
CS27K6E-TF5-945	NR	26,800	30,600	NR
CS27K6E-PFV-945	NR	27,600	31,400	NR
CS33K6E-TF5-956	NR	30,800	NR	NR
CS33K6E-PFV-956	34,500	31,700	NR	52,000

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97150	CS10K6E-PFV-945 10,000* BTU 230-1 MULTI USE COMPRESSOR			
1	EA	97154	CS14K6E-TF5-945 16,000 BTU 230-3 R134A HT R22 MT COMPRESSOR			
1	EA	97153	CS14K6E-PFV-945 14,000* BTU 230-1 MULTI USE COMPRESSOR			
1	EA	97155	CS18K6E-PFV-945 18,000* BTU 230-1 MULTI USE COMPRESSOR			
1	EA	97158	CS20K6E-TF5-945 22,700 BTU 230-3 R134A HT R22 MT COMPRESSOR			
1	EA	97157	CS20K6E-PFV-945 20,000* BTU 230-1 MULTI USE COMPRESSOR			
1	EA	97160	CS27K6E-TF5-945 27,000* BTU 230-3 MULTI USE COMPRESSOR			
1	EA	97159	CS27K6E-PFV-945 27,000* BTU 230-1 MULTI USE COMPRESSOR			
1	EA	97559	CS33K6E-TF5-956 30,800 BTU 230-3 R404A EMT COMPRESSOR			
1	EA	97161	CS33K6E-PFV-956 33,000* BTU 230-1 MULTI USE COMPRESSOR			

Copeland brand products ZF Scroll Compressors



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	97210	ZF40K4E-TWD-951 41,000 BTU 460-3 R404A LT & EMT COMPRESSOR	
1	EA	97212	ZF13KVE-TF5-961 R404A 230-3 EVI SCROLL COMPRESSOR	
1	EA	97213	ZF13KVE-TFD-961 R404A 460-3 EVI SCROLL COMPRESSOR	
1	EA	97214	ZF18KVE-TF5-961 R404A 230-3 EVI SCROLL COMPRESSOR	
1	EA	97215	ZF18KVE-TFD-961 R404A 460-3 EVI SCROLL COMPRESSOR	

Copeland brand products ZBD Refrigeration Scroll Compressors



- R-404A.
- Low, medium and high temperature applications.
- Commercial refrigeration models feature oil sight glass, oil drain and roto-lock options.
- ZF models feature a broad operating range for field replacement of all refrigeration scrolls. Enhanced vapor injection models are indicated by "V" in model number.
- ZBD models feature digital scroll compressors.

Model Number	Dimensions (In.)			Weight (Lbs.)	Suction	Discharge	Oil Type	BTU	Displacement	4 Year Warranty Extension
	L	W	H							
ZBD30KCE-TFD-950	9.48	9.70	18.96	81.0	7/8 Stub	3/4 Stub	POE	30500	497.78	725.00
ZBD45KCE-TFD-950	9.48	9.70	19.46	88.0	7/8 Stub	3/4 Stub	POE	44300	727.10	725.00

Compressors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	97560	ZBD30KCE-TFD-950 30,000 BTUH R404A MT SCROLL REFR COMPRESSOR	
1	EA	97561	ZBD45KCE-TFD-950 44,000 BTUH R404A MT SCROLL REFR COMPRESSOR	

Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96811	998-5100-42 1/2 DISCH 7/8 SUCT SERV VLV KIT ZF13, 15, 18	
1	EA	96813	998-7022-02 1/2 IN 36 IN LEAD DISCHARGE LINE THERMOSTAT	
1	EA	96814	998-7002-02 240 V LIQUID INJECTION KIT EXCL CAP	
1	EA	96816	998-0073-00 SWEAT ZBD & ZFD SOLENOID VALVE & TUBING	
1	EA	96817	998-0066-00 ROTOLOCK ZBD & ZFD SOLENOID VALVE & TUBING	
1	EA	96818	923-0058-00 24V SOLENOID COIL	
1	EA	96819	923-0058-08 110V SOLENOID COIL	
1	EA	96820	923-0058-09 220V SOLENOID COIL	

Copeland brand products ZB Scroll Air Conditioning Compressors



- Medium and high temperature applications
- R-22
- 230 V, 3-phase (TF5)
- 460 V, 3-phase (TFD)
- Consult compressor performance curves for specific applications
- ZB compressors are excellent replacements for Tecumseh SFA compressors

Bercor No.	Model Number	BTU	Dimensions			Weight (Lbs)	Suction	Discharge	Oil	Displacement (ft ^3/hr)
			Height (In)	Width (In)	Length (In)					
97550	ZB30KCE-TFD-950	10.12	9.67	17.23	78.0	7/8 Stub	1/2 Stub	POE	29600	497.78
97555	ZB45KCE-TF4-965	10.12	9.67	17.23	87.0	7/8 Stub	1/2 Stub	POE	43900	727.10

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97550	ZB30KCE-TFD-950 30 MBTUH 460-3 MT/HT SCROLL COMPRESSOR			
1	EA	97555	ZB45KCE-TF5-965 44 MBTUH R404A MT SCROLL REFR COMPRESSOR			

ZS Compressors

Extended Medium and High Temperature



- R-134a, R-22, R-404A, R-507, and R407 A/C
- 230 volt single- and three-phase
- Operating Range: -25 ° to 45° F
- Applications: walk-in and reach-in coolers, self serve and frozen beverage machines
- Low sound and vibration for sopermarkets, restaurants, and convenience stores.

Specifiations

Model No.	BTU	Volt	Phase	Dimensions			Weight (Lbs)	Suction	Discharge	Displacement
				Length	Width	Height				
ZS09KAE-PFV-818	9400	230	1	9.7	9.7	16.0	47.7	3/4 Stub	1/2 Stub	158.84
ZS09KAE-TF5-818	9400	230	3	9.7	9.7	16.0	49.0	3/4 Stub	1/2 Stub	158.84
ZS11KAE -PFV-818	11200	230	1	9.7	9.7	16.0	48.9	3/4 Stub	1/2 Stub	186.91
ZS13KAE-PFV-818	12800	230	1	9.7	9.7	16.0	46.9	3/4 Stub	1/2 Stub	214.86
ZS15KAE -PFV-818	15500	230	1	9.7	9.7	16.0	50.1	3/4 Stub	1/2 Stub	252.66
ZS15KAE -TF5-818	15500	230	3	9.7	9.7	16.0	49.1	3/4 Stub	1/2 Stub	252.66
ZS19KAE-PFV-818	17500	230	1	9.7	9.7	16.0	49.6	3/4 Stub	1/2 Stub	286.93
ZS19KAE -TF5-818	17500	230	3	9.7	9.7	16.0	49.6	3/4 Stub	1/2 Stub	286.93
ZS21KAE -PFV-818	23400	230	1	9.7	9.7	17.2	64.9	7/8 Stub	1/2 Stub	377.71
ZS21KAE -TF5-818	23400	230	3	9.7	9.7	17.2	64.9	7/8 Stub	1/2 Stub	377.71
ZS26KAE-PFV-818	26000	230	1	9.7	9.7	17.2	68.3	7/8 Stub	1/2 Stub	419.27
ZS29KAE -PFV-818	29400	230	1	9.7	9.7	17.2	70.9	7/8 Stub	1/2 Stub	469.71
ZS29KAE -TF5-818	29400	230	3	9.7	9.7	17.2	69.1	7/8 Stub	1/2 Stub	469.71
ZS33KAE-PFV-818	32600	230	1	9.7	9.7	17.2	72.5	7/8 Stub	1/2 Stub	534.12

* With R-404A at 20°F/120°F/65° return gas 0°F subcooling.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97740	ZS09KAE-PFV-818 9400 BTU 230-1 MT/HT SCROLL COMPRESSOR			
1	EA	97741	ZS09KAE-TF5-818 9400 BTU 230-3 MT/HT SCROLL COMPRESSOR			
1	EA	97742	ZS11KAE -PFV-818 11200 BTU 230-1 MT/HT SCROLL COMPRESSOR			
1	EA	97743	ZS13KAE-PFV-818 12800 BTU 230-1 MT/HT SCROLL COMPRESSOR			
1	EA	97744	ZS15KAE-PFV-818 15500 BTU 230-1 MT/HT SCROLL COMPRESSOR			
1	EA	97745	ZS15KAE-TF5-818 15500 BTU 230-3 MT/HT SCROLL COMPRESSOR			
1	EA	97746	ZS19KAE-PFV-818 17500 BTU 230-1 MT/HT SCROLL COMPRESSOR			
1	EA	97747	ZS19KAE-TF5-818 17500 BTU 230-3 MT/HT SCROLL COMPRESSOR			
1	EA	97748	ZS21KAE-PFV-818 23400 BTU 230-1 MT/HT SCROLL COMPRESSOR			
1	EA	97749	ZS21KAE-TF5-818 23400 BTU 230-3 MT/HT SCROLL COMPRESSOR			
1	EA	97750	ZS26KAE-PFV-818 26000 BTU 230-1 MT/HT SCROLL COMPRESSOR			
1	EA	97751	ZS29KAE-PFV-818 29400 BTU 230-1 MT/HT SCROLL COMPRESSOR			
1	EA	97752	ZS29KAE-TF5-818 29400 BTU 230-3 MT/HT SCROLL COMPRESSOR			
1	EA	97753	ZS33KAE-PFV-818 32600 BTU 230-1 MT/HT SCROLL COMPRESSOR			

ZF Compressors

Low and Extended Medium Temperature



- Nominal 1-1/2 to 15 horsepower.
- R-134a, R-22, R-404A.
- Low, medium, and high temperature applications.
- Stub tube and roto-lock.
- Liquid injection on low temperature models.
- Commercial refrigeration models feature: oil sight glass, oil drain, roto-lock options.
- ZF low temperature model features a broad operating range for field replacement of all refrigeration scrolls.

Model Number	BTU	Dimensions (In.)			Weight (Lbs.)	Suction	Discharge	Oil Type	Displacement (ft^3/Hr.)	4 Year Warranty Extension
		L	W	H						
ZF13K4E-TF5-961	18600	11.16	9.67	18.50	85.0	7/8 Stub	1/2 Stub	POE	497.78	350.00
ZF15K4E-TF5-931	36800	11.16	9.67	18.50	80.0	7/8 Stub	1/2 Stub	POE	612.50	365.00
ZF18K4E-TF5-961	27100	11.16	9.67	18.50	87.0	7/8 Stub	1/2 Stub	POE	727.10	365.00
ZF33K4E-TWD-951	33300	12.44	14.50	21.34	221.0	1 3/4 Rotalock	1-1/4 Rotalock	POE	1226.83	850.00
ZF48K4E-TWD-951	69500	12.63	14.06	23.36	235.0	2-1/4 Rotalock	1-3/4 Rotalock	POE	1822.43	850.00

LT and EMT Compressors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97202	ZF13K4E-TF5-961 13,200 BTU 230-3 R404A LT & EMT COMPRESSOR			
1	EA	97647	ZF15K4E-TF5-931 16,400 BTU 230-3 STUB R404A LT & EMT COMPRESSOR			
1	EA	97207	ZF18K4E-TF5-961 19,500 BTU 230-3 R404A LT & EMT COMPRESSOR			
1	EA	97209	ZF33K4E-TWD-951 23,400 BTU 460-3 R404A LT & EMT COMPRESSOR			
1	EA	97211	ZF48K4E-TWD-951 47,100 BTU 460-3 R404A LT & EMT COMPRESSOR			

Parts & Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96821	543-0024-00 DIGITAL SCROLLS CONTROLLER MODULE	
1	EA	96607	918-0041-00 240V 70W 21" LEADS WRAPAROUND CC HEATER	
1	EA	96608	918-0043-00 240V 70W 48" LEADS WRAPAROUND CC HEATER	
1	EA	96609	918-0043-01 480V 70W 48" LEADS WRAPAROUND CC HEATER	
1	EA	96823	998-0034-02 7/8" ROTALOCK ADAPTOR	
1	EA	96822	998-0034-15 1/2" ROTALOCK ADAPTOR	
1	EA	96812	998-0500-01 1/4 IN FLARE DTC VALVE	
1	EA	96809	998-5100-27 7/8 DISCH 1 3/8 SUCT ROTALOCK SERV VLV KIT ZF33, 40	

Air-Cooled Condensing Units

Quick Reference, Stock Models by Refrigerant

Refrigerant	Temperature	HP	Volt	Phase	Model No.	Bercor
Multi	Multi	1-1/2	230	1	FFAP-015Z-CFV072	97509
Multi	Multi	1-3/4	230	1	FFAP-017Z-CFV072	97510
Multi	Multi	2	230	1	FFAP-020Z-CFV072	97511
Multi	Multi	2-1/4	230	1	FFAP-022Z-CFV071	97512
Multi	Multi	3	230	1	FFAP-030Z-CFV071	97513
Multi	Multi	3-1/4	230	1	FFAP-032Z-CFV071	97514
R-12	High	3/4	230	1	MBAH-0075-CFV020	97311
R-12	Low	1/3	115	1	MBFL-0034-IAA020	97365
R-12	Low	1/2	115	1	MBFL-0050-IAA201	97260
R-134a	High	1/6	115	1	M2FH-0017-SAA106	97220
R-134a	High	1/4	115	1	M2FH-0026-IAA072	97216
R-134a	High	1/4	115	1	M2FH-0026-IAA111	95758
R-134a	High	1/3	115	1	M2FH-A033-IAA111	97364
R-134a	High	1/3	115	1	M2FH-A033-IAA272	97245
R-134a	High	1/2	115	1	M2FH-A050-IAA272	97249
R-134a	High	1-1/4	230	1	FPAK-012Z-CFV072	97309
R-22	High	1/4	115	1	MCFH-0027-IAA103	97261
R-22	High	1/3	115	1	MCFH-0036-IAA272	97246
R-22	High	1/2	115	1	MCFH-0049-CAA272	97247
R-22	High	1/2	115	1	MCFH-0056-IAA272	97556
R-22	High	1/2	230	1	MCFH-A056-IAV272	97252
R-22	High	3/4	115	1	MCFH-0078-CAA072	97366
R-22	High	3/4	230	1	MCFH-0078-CAV072	97530
R-22	High	1	230	1	F3AH-A100-CAV052	97308
R-22	High	1	230	1	F3AH-B105-CFV020	97285
R-22	High	1-1/2	230	1	FGAH-A151-CFV020	97370
R-22	High	2	230	3	F3AD-B201-TFC050	97307
R-22	High	2	230	1	FGAH-A201-CFV020	97371
R-22	High	3	230	1	FGAH-A301-CFV020	97373
R-22	High	3	230	3	FGAH-A301-TFC020	97374
R-22	High	5	230	1	FGAH-A501-TFC020	97375
R-22	High	1/2	115	1	MCFH-0056-IAA272	97251
R-404A	High	1/2	115	1	M4FH-0050-CAA272	97263
R-404A	High	1/2	230	1	M4FH-0050-CAV272	97264
R-404A	Medium	3/4	230	1	M4FF-0075-CAV020	97268
R-404A	Medium	3/4	230	1	M4FF-0080-IAV020	97378
R-404A	Medium	1	230	1	FJAF-0106-CAV020	97269
R-404A	Medium	1	230	1	FJAF-0108-CFV020	97531
R-404A	Low	1	230	1	FJAL-A103-CFV020	97298
R-404A	Low	2	230	3	FJAL-B200-TFC020	97300
R-404A	Low	3	230	1	FJAL-B301-CFV015	97302
R-404A	Low	3	230	3	FJAL-B301-TFC015	97303

Copeland® Hermetic Air-Cooled Condensing Units



Electric Nomenclature (voltage-phase-hertz)

115-1-60	208/230-1-60	208/230-3-60	460-3-60
CAA/CFA	CAV/CFV	TFC	TFD
IAA	IAV		
SAA*			

*SAA indicates low torque start, all other designations are high torque. These electrical designations are part of the unit model number.

Unit Features

BOM	Suction Connections		Liquid Connections		Electrical Connections				
	Suction Valve	Suction Accumulator	Base Valve	Receiver with Valve	Power Cord	BX Conduit	Fan Cycle Control	Fan Guard	UL/UR
105	X		X		X				UR
106	X				X				UR
109	X			X	X				UR
201	X			X		X		X	UR*
001	X			X		X		X	UL
010	X	X		X		X	X	X	UL
072	X			X		X		X	UL
272	X			X		X		X	UR

* These Recognized models are identical to Listed models less pressure control. Need for the control is to be evaluated in the end use application.

Copeland® FFAP Copeland Scroll Condensing Units

Multi-Temp, Multi-Refrigerant Units

- For use with R-22, R-143a, R-404A, R-407A, and R-407C
- Air cooled
- Operating range of -30° F to 45° F (R-404A)
- Designed for up to 110° ambient



Capacity: BTU/hr

Model No.	Ambient Temp. (° F)	Evaporator Temp . (° F)	R-22	R-134a	R-404A	R-407A	R-407C
FFAP-015Z-CFV-072	90	25	11,400	7,540	11,500	10700	10,400
FFAP-017Z-CFV-072	90	25	13,100	8,900	13,100	12500	12,500
FFAP-020Z-CFV-072	90	25	15,200	10,200	15,300	14400	14,000
FFAP-022Z-CFV-071	90	25	18,300	12,300	18,900	17400	17,300
FFAP-030Z-CFV-071	90	25	20,800	14,100	21,600	20200	19,700
FFAP-032Z-CFV-071	90	25	27,400	18,500	27,300	25700	25,400

Model No.	HP	Volt	Phase	Wt. (Lbs)	Length (In)	Width (In)	Height (In)	Suction	Liquid	Oil	MCA	Compressor
FFAP-015Z-CFV072	1-1/2	208/230	1	116	24.1	18.3	16.6	7/8 S	3/8 S	POE	13.9	ZS09KAE-PFV-118
FFAP-017Z-CFV072	1-3/4	208/230	1	114	24.1	18.3	16.6	7/8 S	3/8 S	POE	17.2	ZS11KAE-PFV-118
FFAP-020Z-CFV072	2	208/230	1	186	25.2	34.1	19	7/8 S	3/8 S	POE	16.8	ZS13KAE-PFV-118
FFAP-022Z-CFV071	2-1/4	208/230	1	194	25.2	34.1	19	7/8 S	3/8 S	POE	22.4	ZS15KAE-PFV-118
FFAP-030Z-CFV071	3	208/230	1	219	25.2	34.1	19	7/8 S	3/8 S	POE	25.3	ZS19KAE-PFV-118
FFAP-032Z-CFV071	3-1/4	208/230	1	219	25.2	34.1	19	7/8 S	3/8 S	POE	31.8	ZS21KAE-PFV-118

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1–2	PC-2 3–4	PC-3 5
1	EA	97509	FFAP-015Z-CFV072 1 1/2 HP 230-1 MULTI USE CONDENSING UNIT			
1	EA	97510	FFAP-017Z-CFV072 1 3/4 HP 230-1 MULTI USE CONDENSING UNIT			
1	EA	97511	FFAP-020Z-CFV072 2 HP 230-1 MULTI USE CONDENSING UNIT			
1	EA	97512	FFAP-022Z-CFV071 2 1/4 HP 230-1 MULTI USE CONDENSING UNIT			
1	EA	97513	FFAP-030Z-CFV071 3 HP 230-1 MULTI USE CONDENSING UNIT			
1	EA	97514	FFAP-032Z-CFV071 3 1/4 HP 230-1 MULTI USE CONDENSING UNIT			

FPAK Copeland Scroll Condensing Units

Multi-Temp, Multi-Refrigerant Units



- For use with R-134a and R-404A
- Air cooled
- Operating range of -30° F to 0° F (R-404A)
- Designed for up to 120° ambient

Capacity: BTU/Hr

Model No.	Ambient Temp. (° F)	Evaporator Temp. (° F)	R-134a	R-404A	R-407A
FPAK-010Z-CFV-072	90	0	4,020	6410	—
FPAK-013Z-CFV-072	90	0	6,640	10,800	—
FPAK-0132-TFC-072	90	0	6,640	10,800	—
FPAK-015Z-CFV-072	90	0	7,410	11,800	—
FPAK-015Z-TFC-072	90	0	7,410	11,800	—

Model No.	HP	Volt	Phase	Weight (Lbs)	Length (In)	Width (In)	Height (In)	Suction	Liquid	Oil	MCA	Compressor
FPAK-010Z-CFV072	1	208/230	1	101	24.0	17.1	16.6	5/8 S	3/8 S	POE	13.7	ZS09KAE-PFV-118
FPAK-0312-CFV072	1-1/4	208/230	1	114	24.1	18.3	16.6	7/8 S	3/8 S	POE	21.0	ZS15KAE-PFV-118
FPAK-013Z-TFC072	1-1/4	208/230	3	112	24.1	18.3	16.6	7/8 S	3/8 S	POE	14.7	ZS15KAE-TF5-118
FPAK-015Z-CFV-072	1-1/2	208/230	1	112	24.1	18.3	16.6	7/8 S	3/8 S	POE	23.9	ZS19KAE-PFV-118
FPAK-015Z-TFC-072	1-1/2	208/230	3	117	24.1	18.3	16.6	7/8 S.	3/8 S	POE	18.5	ZS19KAE-TF5-118

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1–2	PC-2 3–4	PC-3 5
1	EA	97667	FPAK-010Z-CFV072 1 HP 230-1 R404A LT CONDENSING UNIT			
1	EA	97579	FPAK-013Z-CFV072 1 1/3 HP 230-1 R404A LT CONDENSING UNIT			
1	EA	97558	FPAK-013Z-TFC072 1 1/3 HP 230-3 R404A LT CONDENSING UNIT			
1	EA	97646	FPAK-015Z-CFV072 1 1/2 HP 230-1 134A CONDENSING UNIT			
1	EA	97645	FPAK-015Z-TFC072 1 1/2 HP 230-3 134A CONDENSING UNIT			

F Line Condensing Units

Low Temperature



Model No.	Rfrg	HP	Volts/ Ph	BTUH Cap @ 90° F			Wt. (Lb)	Dimensions (In)			Suction	Liquid	Oil	MCA	Compressor
				10	25	40		L	W	H					
FJAL-B301-CFV015	R-404A	3	230/1	7,830	13,100	16,900	213	25.2	34	19	7/8 S	3/8 S	POE	26.7	CF09K6E-PFV-295
FJAL-B301-TFC015	R-404A	3	230/3	7,830	13,100	16,900	210	25.2	34	19	7/8 S	3/8 S	POE	18.6	CF09K6E-TF5-295

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97302	FJAL-B301-CFV015 3 HP 230-1 R404A LT CONDENSING UNIT			
1	EA	97303	FJAL-B301-TFC015 3 HP 230-3 R404A LT CONDENSING UNIT			

M Line Condensing Units

High, Medium, and Low Temperature Units



- 1/6 to 1/2 horsepower applications.
- R-12, R-134a, R-44, R404A
- One or two fans
- Utilizes A Line compressor.

Model No.	Refrig	HP	Volts/ Ph	BTUH Cap @ 90° F			Wt. (Lb)	Dimensions (In)			Suction	Liquid	Oil	MCA	Compressor
				0	-10	-25		L	W	H					
Low Temperature															
MBFL-0050-IAA201	R-12	1/2	115/1	N/A	2,350	N/A	69	16.2	13.1	11.8	1/2 F	1/4 F	AB	9.9	AFJ23C1-IAA-100

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97260	MBFL-0050-IAA201 1/2 HP 115-1 R-12 LT CONDENSING UNIT			

Protectors

Motor Overload Protector

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96700	971-0092-18 PROTECTORS	
1	EA	96701	971-0099-00 PROTECTORS	

Relays

Relays (Current)

Copeland Model No.	Texas Instruments Model No.	Max. Pick-up Amps	Min. Drop Out Amps
940-0090-00	3CR-206-174B	14.1	11.9

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96722	940-0090-00 RELAY	

F Line Condensing Units

High, Medium, and Low Temperature



F Line Condensing Units

- 1/2 to 5 horsepower applications
- R-12, R-134a, R-22, R404A
- Utilizes C or R compressor
- One or two fans

NOTE: Water cooled available as special order. Utilizes A Line compressor.

Model No.	Rfrg	HP	Volts/ Ph	BTUH Cap @ 90° F			Wt. (Lb)	Dimensions (In)			Suction	Liquid	Oil	MCA	Compressor
				10	25	40		L	W	H					
High Temperature															
F3AH-B100-CAV072	R-22	1	230/1	5,640	7,870	10,500	88	24.3	17.2	13.1	5/8 S	3/8 S	ABO	12.4	RST64C1-CAV-198
F3AH-B100-CFA020	R-22	1	115/1	5,640	7,870	10,500	87	24.3	17.1	13.1	5/8 S	3/8 S	ABO	20.3	RST64C1-CFA-198
F3AH-B105-CFV020	R-22	1	230/1	6,630	9,060	12,100	104	24	18.3	16.2	5/8 S	3/8 S	AB	11	RST70C1-PFV-199
F3AH-B105-TAC020	R-22	1	230/1	6,630	9,060	12,100	107	24	18.3	16.2	5/8 S	3/8 S	AB	7.5	RST70C1-TA5-199
Medium Temperature															
FJAF-0106-CAV020	R-404A	1	230/1	4,090	6,420	8,500	99	24	18.3	16.1	7/8 S	3/8 S	POE	12.7	RST64C1E-CAV-108
FJAF-0108-CFV020	R-404A	1	230/1	4,690	7,180	9,230	91	24	17.3	13	5/8 S	3/8 S	POE	12.8	RST80C1E-PFV-150

Model No.	Rfrg	HP	Volts/ Ph	BTUH Cap @ 90° F			Wt. (Lb)	Dimensions (In)			Suction	Liquid	Oil	MCA	Compressor
				0	-10	-25		L	W	H					
Low Temperature															
FPAK-013Z-CFV-072	R-404A	2	230/1	10,800	8,850	6,390	114	24.1	18.3	16.6	7/8 S	3/8 S	POE	21	ZS15KAE-PFV-118
FPAK-013Z-TFC-072	R-404A	2	230/3	10,800	8,850	6,390	112	24.1	18.3	16.6	7/8 S	3/8 S	POE	14.7	ZS15KAE-TF5-118

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97308	F3AH-B100-CAV072 1 HP 230-1 R22 HT CONDESNING UNIT			
1	EA	97577	F3AH-B100-CFA020 1 HP 115-1 R22 HT CONDENSING UNIT			
1	EA	97285	F3AH-B105-CFV020 1 HP 230-1 R22 HT CONDENSING UNIT			
1	EA	97286	F3AH-B105-TAC020 1 HP 230-3 R22 HT CONDENSING UNIT			
1	EA	97269	FJAF-0106-CAV020 1 HP 230-1 R404A MT CONDENSING UNIT			
1	EA	97531	FJAF-0108-CFV020 1 HP 230-1 SWEAT R404A MT CONDENSING UNIT			
1	EA	97579	FPAK-013Z-CFV072 2 HP 230-1 R404A LT CONDENSING UNIT			
1	EA	97558	FPAK-013Z-TFC072 2 HP 230-3 R404A LT CONDENSING UNIT			

M Line Condensing Units

High, Medium, and Low Temperature Units



- 1/6 to 1/2 horsepower applications.
- R-12, R-134a, R-44, R404A
- One or two fans
- Utilizes A Line compressor.

Model No.	Refrig	HP	Volts/ Ph	BTUH Cap @ 90° F			Wt. (Lb)	Dimensions (In)			Suction	Liquid	Oil	MCA	Compressor
				10	25	40		L	W	H					
High Temperature															
M2FH-0026-IAA072	R-134a	1/4	115/1	1,530	2,080	2,710	42	14.5	12	11.4	3/8 S	1/4 S	POE	6.9	ARE27C3E-IAA-103
M2FH-0026-IAA111	R-134a	1/4	115/1	1,530	2,080	2,710	36	13.8	11.3	9.7	3/8 S	1/4 S	POE	6.9	ARE27C3E-IAA-103
M2FH-A033-IAA111	R-134a	1/3	115/1	1,870	2,620	3,500	36	13.8	11.3	9.7	3/8 S	1/4 S	POE	9.9	ARE37C3E-IAA-103
M2FH-A033-IAA272	R-134a	1/3	115/1	1,870	2,620	3,500	42	14.5	12	11.4	3/8 S	1/4 S	POE	9.9	ARE37C3E-IAA-103
M2FH-A050-IAA272	R-134a	1/2	115/1	2,970	4,060	5,340	55	16.6	13.8	11.7	3/8 S	1/4 S	POE	12.8	RRT62C1E-IAA-104
M4FH-0050-CAA272	R-404A	1/2	115/1	3,320	4,380	5,600	52	16.2	13.1	11.7	3/8 S	1/4 S	POE	12.3	ASE32C3E-CAA-103
M4FH-0050-CAV272	R-404A	1/2	230/1	3,320	4,380	5,600	53	16.2	13.1	11.7	3/8 S	1/4 S	POE	6.7	ASE32C3E-CAV-103
MCFH-0036-IAA272	R-22	1/3	115/1	2,270	N/A	4,140	47	16.3	13.1	11.7	3/8 S	1/4 S	AB	9.7	ARE43C3-IAA-103
MCFH-0049-CAA272	R-22	1/2	115/1	3,040	4,150	5,460	52	16.2	13.1	11.7	3/8 S	1/4 S	AB	10.9	ARE59C3-CAA-103
MCFH-0078-CAA072	R-22	3/4	115/1	4,640	6,520	8,770	40	24	17.1	13.1	5/8 S	3/8 S	AB	20.8	RST55C1-CAA-198
MCFH-0078-CAV072	R-22	3/4	230/1	4,640	6,520	8,770	87	24	17.2	13.1	5/8 S	3/8 S	AB	9.7	RST55C1-CAV-198
MCFH-A056-IAV272	R-22	1/2	115/1	3,610	4.950	6,720	67	17.7	14.4	11.8	1/2 S	1/4 S	AB	18	RST40C1-IAA-901
MCFH-A056-IAV272	R-22	1/2	230/1	3,170	4,460	6,010	66	17.4	14.4	11.8	5/8 S	1/4 S	AB	7.3	RST40C1-IAV-198
MCFH-0027-IAA103	R-22	1/4	115/1	1,910	2,600	3,380	39	13.8	11.4	9.7	3/8 S	1/4 S	AB	9.1	ASE20C4-IAA-901

Model No.	Refrig	HP	Volts/ Ph	BTUH Cap @ 90° F			Wt. (Lb)	Dimensions (In)			Suction	Liquid	Oil	MCA	Compressor
				0	-10	-25		L	W	H					
Low Temperature															
M4FL-0033-IAA020	R-404A	1/3	115/1	1750	1390	860	38	13.8	11.8	9.7	3/8 S	1/4 S	POE	7.7	AFE11C3E-IAA-103
M4FL-0033-IAA072	R-404A	1/3	115/1	1,750	1,390	860	41	14.4	12.8	11.4	3/8 S	1/4 S	POE	7.7	AFE11C3E-IAA-103

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97216	M2FH-0026-IAA072 1/4 HP 115-1 VALUE ADD R134A HT CONDENSING UNIT			
1	EA	97578	M2FH-0026-IAA111 1/4 HP 115-1 R134A HT CONDENSING UNIT			
1	EA	97364	M2FH-A033-IAA111 1/3 HP 115-1 SWEAT R134A HT CONDENSING UNIT			
1	EA	97245	M2FH-A033-IAA272 1/3 HP 115-1 VALUE ADD R134A HT CONDENSING UNIT			
1	EA	97249	M2FH-A050-IAA272 1/2 HP 115-1 VALUE ADD R134A HT CONDENSING UNIT			
1	EA	97263	M4FH-0050-CAA272 1/2 HP 115-1 VALUE ADD R404A HT CONDENSING UNIT			
1	EA	97264	M4FH-0050-CAV272 1/2 HP 230-1 VALUE ADD R404A HT CONDENSING UNIT			
1	EA	97246	MCFH-A036-IAA272 1/3 HP 115-1 VALUE ADD R22 HT CONDENSING UNIT			
1	EA	97247	MCFH-A049-CAA272 1/2 HP 115-1 VALUE ADD R22 HT CONDENSING UNIT			
1	EA	97366	MCFH-0078-CAA072 3/4 HP 115-1 R22 HT CONDENSING UNIT			
1	EA	97530	MCFH-0078-CAV072 3/4 HP 230-1 SWEAT R22 HT CONDENSING UNIT			
1	EA	97556	MCFH-A056-IAA272 1/2 HP 115-1 VALUE ADD R22 HT CONDENSING UNIT			
1	EA	97252	MCFH-A056-IAV272 1/2 HP 230-1 VALUE ADD R22 HT CONDENSING UNIT			
1	EA	97261	MCFH-B027-IAA103 1/4 HP 115-1 SWEAT R22 HT CONDENSING UNIT			
1	EA	97254	M4FL-0033-IAA020 1/3 HP 115-1 R404A LT CONDENSING UNIT			
1	EA	97265	M4FL-0033-IAA072 1/3 HP 115-1 VALUE ADD R404A LT CONDENSING UNIT			

Copeland brand products Condensing Unit Hoods

Hood Specification Data

ECT Part No.	MFG Part No.	External Dimensions (In.)			Internal Dimensions (In.)		
		L	W	H	L	W	H
UL Listed for Outdoor Use							
005-0882-00	CHO-10	27	20	20	26	20	16
005-0882-01	CHO-11	29-1/2	37	27-1/2	28-1/2	37	22-1/2
005-0882-04	CHO-15	33-1/2	48-1/2	35-1/2	32-1/2	48-1/2	30-1/2
Economy Hoods							
005-0882-09	ECON-01	26	20	20	26	20	16
005-0882-11	ECON-04	28-1/2	37	26-1/2	28	37	22-1/2
005-0882-12	ECON-03	24-1/2	24	25	24-1/2	24	21

Hood Selection

Copeland Brand	Dimensions			Copeland Brand Hood	
Unit Model	L	W	H	UL Listed	Economy
SystemPro Air-Cooled					
M2FH-0017	13.8	11.8	9.7	005-0882-00	005-0882-09
M2FH-0056	17.4	14.4	11.8	005-0882-00	005-0882-09
M4FH-0025	13.8	11.8	9.7	005-0882-00	005-0882-09
M4FH-A036	16.1	12.7	11.8	005-0882-00	005-0882-09
M2FL-0020	13.8	11.1	9.7	005-0882-00	005-0882-09
M2FL-A025	13.8	11.8	9.7	005-0882-00	005-0882-09
M2FL-B033	16.2	12.4	9.7	005-0882-00	005-0882-09
M4FL-0040	16.2	13.1	11.8	005-0882-00	005-0882-09
M4FL-0051	17.4	13.1	11.8	005-0882-00	005-0882-09
M4FL-0067	18.1	14.4	11.8	005-0882-00	005-0882-09
MMFH-0022	13.8	11.4	9.7	005-0882-00	005-0882-09
MBFH-0049	16.2	13.1	11.8	005-0882-00	005-0882-09
MBFH-0050	17.9	13.1	11.8	005-0882-00	005-0882-09
FBAM-B050	24.0	16.9	12.9	005-0882-00	005-0882-09
FJAF-A056	17.5	14.3	12.1	005-0882-00	005-0882-09
FJAF-A075	24.0	16.9	13.1	005-0882-00	005-0882-09
FJAL-A101	24.0	16.9	13.1	005-0882-00	005-0882-09
FJAL-B200	24.0	19.5	16.3	005-0882-02	005-0882-10
FJAL-B301	25.2	34.1	19.0	005-0882-01	005-0882-11
FJAL-A390	25.2	34.1	19.0	005-0882-01	005-0882-11
FJAM-A106	24.0	18.3	16.2	005-0882-00	005-0882-09
FJAM-A200	25.2	34.1	18.9	005-0882-01	005-0882-11
FJAM-B400	28.2	44.1	26.9	005-0882-04	N/A
FTAH-B074	17.4	14.4	11.8	005-0882-00	005-0882-09
FTAH-A101	24.0	16.8	15.9	005-0882-00	005-0882-09
FTAH-A150	24.0	18.4	16.3	005-0882-02	005-0882-10
FTAH-A201	25.2	34.0	18.9	005-0882-01	005-0882-11
FTAL-A050	16.0	13.3	11.9	005-0882-00	005-0882-09
F3AD-B151	24.1	18.3	16.9	005-0882-02	005-0882-10
F3AD-B201	25.0	34.0	19.0	005-0882-01	005-0882-11
F3AD-A501	28.6	44.1	26.9	005-0882-04	N/A
F3AH-A078	24.0	16.9	13.1	005-0882-00	005-0882-09
F3AH-A100	24.0	16.9	13.1	005-0882-00	005-0882-09

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96793	005-0882-01 CHO-11 CONDENSING UNIT HOODS	
1	EA	96795	005-0882-04 CHO-15 CONDENSING UNIT HOODS	
1	EA	96798	005-0882-08 CON-2 CONDENSING UNIT HOODS	
1	EA	96802	005-0882-12 ECON-3 CONDENSING UNIT HOODS	
1	EA	96799	505-7066-01 HOOD ASSEMBLY GROUP	

Contactors



Copeland contactors have earned the Certified Parts stamp of approval.

- Silver cadmium oxide contacts for longer life.
- Quiet reliable operation with adjusting magnet armatures.
- Compact design.
- Snap-on accessories.
- Quick connect terminals.
- Non-position sensitive for convenient mounting.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96762	912-0001-11 1 NC FOR 15-75 A AUXILIARY CONTACTS	—
1	EA	96763	912-0001-12 1NO/1NC FOR 15-75 A AUXILARY CONTACTS	—
1	EA	96764	912-0001-13 2 NO FOR 15-75 A AUXILIARY CONTACTS	—
1	EA	96767	912-0001-17 1NO/1NC FOR 90 A AUXILIARY CONTACTS	—
1	EA	96770	912-2030-00 2 POLE 30 AMP 24V CONTACTOR	—
1	EA	96772	912-2030-02 2 POLE 30 AMP 208/240 V CONTACTOR	—
1	EA	96773	912-2040-00 2 POLE 40 AMP 24 V CONTACTOR	—
1	EA	96774	912-3030-00 3 POLE 30 AMP 24 V CONTACTOR	—
1	EA	96775	912-3030-01 3 POLE 30 AMP 120V CONTACTOR	—
1	EA	96776	912-3030-02 3 POLE 30 AMP 208/240 V CONTACTOR	—
1	EA	96777	912-3040-00 3 POLE 40 AMP 24 V CONTACTOR	—
1	EA	96778	912-3040-01 3 POLE 40 AMP 120 V CONTACTOR	—
1	EA	96779	912-3040-02 3 POLE 40 AMP 208/240 V CONTACTOR	—
1	EA	96780	912-3050-00 3 POLE 50 AMP 24 V CONTACTOR	—
1	EA	96781	912-3050-01 3 POLE 50 AMP 120 V CONTACTOR	—
1	EA	96782	912-3050-02 3 POLE 50 AMP 208/240 V CONTACTOR	—
1	EA	96784	912-3060-01 3 POLE 60 AMP 120 V CONTACTOR	—
1	EA	96785	912-3060-02 3 POLE 60 AMP 208/240 V CONTACTOR	—
1	EA	96786	912-3075-01 3 POLE 75 AMP 120 V CONTACTOR	—
1	EA	96787	912-3075-02 3 POLE 75 AMP 208/240 V CONTACTOR	—
1	EA	96788	912-3090-01 3 POLE 90 AMP 120 V CONTACTOR	—
1	EA	96791	912-3120-02 3 POLE 120 AMP 208/240 V CONTACTOR	—

CoreSense™ Protection Module

Contactor Replacement



This module for single-phase, residential air conditioning and heat pump systems combines the functionality of a standard system contactor with compressor diagnostic and protection capabilities. Exclusively for Copeland Scroll compressors, the CoreSense replaces single- and two-pole contactors commonly used in the field.

- Microprocessor controlled sealed compressor switching
- Low line voltage protection
- LED displays status and fault conditions
- Heavy duty line voltage lug connectors
- Push-button test
- Zero chatter latching relay construction
- Similar mounting footprint as traditional contactors
- Two pin data port enables download of fault history
- 5 year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	EA	96855	ESC1AFPT-CC-901 ELECTRONICS-SERV CONTACTOR	—

A-1 Semi Hermetic Compressors



Bercor No.	Model No	Refrigerant	BTU	Temp	HP	Voltage	Phase	Suction	Discharge	Weight (Lbs)
97594	2DB3F25KLTFD	R-407C	25K	LOW	4.5	460	3	1 3/8 Sweat	7/8 Sweat	325
97595	2DF3F16KLTFD	R-407C	16K	LOW	3	460	3	1 3/8 Sweat	7/8 Sweat	325
97596	2DL3R78KLTFC	R-22	78K	MED	5	230	3	1 3/8 Sweat	7/8 Sweat	325
97597	3DA3050LTFD	R-12	18K	LOW	3.5	460	3	1 3/8 Sweat	7/8 Sweat	385
97406	3DA3R10ML-TFC	R-22	100K	MED	6.5	230	3	1 3/8 Sweat	1 1/8 Sweat	385
97414	3DB3F33KL-TFD	R-407C	33K	LOW	5.5	460	3	1 3/8 Sweat	1 1/8 Sweat	385
97424	3DB3R12ME-TFC800	R-22	102K	HIGH	10	230	3	1 3/8 Sweat	1 1/8 Sweat	385
97430	3DB3R12ME-TFD	R-22	102K	MED	7.5	460	3	1 3/8 Sweat	1 1/8 Sweat	385
97393	3DF3A090E-TFD800	R-404A	40K	LOW	9	460	3	1 3/8 Sweat	1 1/8 Sweat	385
97421	3DF3F40KE-TFD800	R-22	40K	LOW	6	460	3	1 3/8 Sweat	1 1/8 Sweat	385
97598	3DK3R15ML-TFD	R-22	108K	MED	10	460	3	1 3/8 Sweat	1 1/8 Sweat	385
97431	3DS3F46KE-TFC800	R-22	46K	LOW	7	230	3	1 3/8 Sweat	1 1/8 Sweat	385
97432	3DS3F46KL-TFD	R-407C	46K	LOW	7	460	3	1 3/8 Sweat	1 1/8 Sweat	385
97434	3DS3R17ME-TFC800	R-404A	117K	MED	10	230	3	1 5/8 Sweat	1 1/8 Sweat	385
97435	3DS3R17ML-TFD	R-22	117K	MED	10	460	3	1 5/8 sweat	1 1/8 Sweat	385
97436	3DT3R17ME-TFD	R-22	117K	MED	10	460	3	1 5/8 Sweat	1 1/8 Sweat	385
97607	4DA3R12ML-TSK	R-407C	12M	LOW	8	460	3	1 5/8 sweat	1 1/8 Sweat	461
97438	4DH3R16ME-TSK800	R-134a	160K	HIGH	15	230/460	3	1 5/8 Sweat	1 1/8 Sweat	450
97609	4DH3S16MLTSK	R-407C	16M	LOW	15	460	3	2 1/8 sweat	1 3/8 Sweat	450
97443	4DK3R22ML-TSK	R-22	159K	MED	25	230	3	2 1/8 sweat	1 3/8 Sweat	450
97439	4DL3F63KL-TSK	R-407C	63K	LOW	10	460	3	1 5/8 sweat	1 3/8 Sweat	425
97444	4DR3R28ML-TSK	R-22	280K	AC	25	230/460	3	2 1/8 Sweat	1 3/8 Sweat	450
97442	4DT3F76KL-TSK	R-404A	76K	LOW	12	460	3	2 1/8 sweat	1 3/8 Sweat	450
97359	4RE2200ATSK	R-22	184K	HIGH	20	460	3	1 5/8 sweat	1 1/8 Sweat	414
97360	4RK2250ATSK	R-22	249K	AC	25	460	3	2 1/8 sweat	1 1/8 Sweat	600
97446	6DP3R35ME-TSK800	R-22	350K	AC	30	460	3	2 1/8 Sweat	1 5/8 Sweat	550
97448	6DT3F11ME-TSK800	R-404A	110K	LOW	17	230/460	3	2 1/8 Sweat	1 3/8 Sweat	550
97362	6RP2-350A-TSK800	R-22	350K	AC	35	230/460	3	2 1/8 Sweat	1 3/8 Sweat	513
97636	9RA1050ATFC	R-12	36K	MED	5	230	3	1 3/8 Sweat	7/8 Sweat	325
97356	9RB1-076A-TFC800	R-12	47K	MED	7.5	230	3	1 3/8 Sweat	1 1/8 Sweat	328
97357	9RS3076ATFC	R-12	56K	MED	7.5	230	3	1 3/8 Sweat	1 1/8 Sweat	364
97320	K97421AA2-007A-IAA 800	R-12	2520	LOW	0.75	115	1	5/8 Flare	3/8 Flare	87
97323	KAAB007ECAA	R-404A	4250	XLOW	0.75	115	1	5/8 Flare	3/8 Flare	87
97324	KAGA-007A-TAC800	R-12	5440	MED	0.75	230	3	5/8 Flare	3/8 Flare	87
97318	KAGB-005E-IAA800	R-404A	2930	XLOW	0.5	115	1	1/2 Flare	3/8 Flare	83
97325	KAGB-007A-CAV800	R-12	6100	MED	0.75	230	1	5/8 Flare	3/8 Flare	87
97637	KAGB010ECAV	R-404A	10K	MED	1	230	1	5/8 Flare	3/8 Flare	88
97638	KAGB015ECAV	R-404A	15K	HIGH	1.5	230	1	7/8 Sweat	1/2 Flare	93
97326	KAJB007EIAA	R-404A	3720	XLOW	0.75	115	1	5/8 Flare	3/8 Flare	87
97329	KAJB010ECAV	R-404A	3820	LOW	1	230	1	5/8 Flare	1/2 Flare	96
97332	KAKA010ATAC	R-12	7520	MED	1	230	3	5/8 Flare	1/2 Flare	84
97335	KAKB011ECAV	R-404A	4360	LOW	1	230	1	5/8 Flare	1/2 Flare	96
97639	KAKB021ECAV	R-404A	12K	MED	2	230	1	7/8 Sweat	1/2 Flare	106
97336	KALA-015A-TAC800	R-12	9450	MED	1.5	230	3	7/8 Sweat	1/2 Flare	96
97340	KALA016ETAC	R-404A	5580	LOW	1.5	230	3	7/8 Sweat	1/2 Flare	93
97330	KALB-010A-CAV800	R-12	3150	LOW	1	230	1	5/8 Flare	1/2 Flare	89
97331	KALB010ECAV	R-404A	5530	XLOW	1	230	1	5/8 Flare	1/2 Flare	94
97337	KALB015ECAV	R-404A	5720	LOW	1.5	230	1	7/8 Sweat	1/2 Flare	93
97327	KAMB007ECAA	R-404A	2800	LOW	0.75	115	1	5/8 Flare	3/8 Flare	87
97316	KAMB007ECAV	R-404A	2770	LOW	0.75	230	1	5/8 Flare	3/8 Flare	87
97319	KANB005EIAA	R-404A	1530	LOW	0.5	115	1	1/2 Flare	3/8 Flare	83
97338	KATA015ETAC	R-404A	6730	XLOW	1.5	230	3	7/8 Sweat	1/2 Flare	93
97333	KATB-010A-CAV800	R-12	4230	LOW	1	230	1	5/8 Flare	1/2 Flare	91
97339	KATB015ECAV	R-404A	7K	XLOW	1.5	230	1	1/2 Sweat	3/8 Flare	93
97354	MRB1050ATFC	R-502,	36K	MED	5	230	3	1 3/8 Sweat	7/8 Sweat	261

Copeland brand products Reed Copelamatic Semi-Hermetic Compressors



Certified Copeland compressors.

- Highest quality compressors with highest performance standards.
- Lowest in warranty failure rate.
- Longest time of field service.
- Compressors must pass a variety of over 30 tests to be certified.
- Same quality as new compressors.
- UL recognition.
- The most widely accepted evidence of compliance with recognized safety requirements and codes.

Model Number	Dimensions (In.)			Weight (Lbs.)	Suction	Discharge	Oil Type	BTU	Displacement	4 Year Warranty Extension
	L	W	H							
MRB1-050A-TFC800	22.44	13.00	16.94	261.0	1-19/50 Sweat	22/25 sweat	AB	36000	1192.37	475.00

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	97354	MRB1050ATFC 5 HP 230-3 R-12 MT COMPRESSOR	

Copeland brand products Core Numbers

For Comp.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
K	1	EA	90417	$70 CORE CHARGE IS INCLUDED CREDIT ISSUED UPON RETURN

2D-Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	97594	2DB3F25KLTFD 25K BTU 460-3 R407C LOW TEMP COMPRESSOR	—
1	EA	97595	2DF3F16KLTFD 16K BTU 460-3 R407C LOW TEMP COMPRESSOR	—
1	EA	97596	2DL3R78KLTFC 78K BTU 230-3 R22 MED TEMP COMPRESSOR	—

3D-Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	97597	3DA3050LTFD 18K BTU 460-3 R12 LOW TEMP COMPRESSOR	—
1	EA	97406	3DA3R10ML-TFC 100K BTU 230-3 R404A HT/MT LOW CON COMPRESSOR	—
1	EA	97414	3DB3F33KL-TFD 33K BTU 460-3 R404A LT LOW COND COMPRESSOR	—
1	EA	97430	3DB3R12ME-TFD 102K BTU 460-3 R404A HT/MT LOW CON COMPRESSOR	—
1	EA	97598	3DK3R15ML-TFD 108K BTU 460-3 R22 MED TEMP COMPRESSOR	—
1	EA	97436	3DT3R17ME-TFD 15HP 460-3 R22 MT COMPRESSOR	—
1	EA	97432	3DS3F46KL-TFD 46K BTU 460-3 R404A LT LOW COND COMPRESSOR	—
1	EA	97435	3DS3R17ML-TFD 117K BTU 460-3 R404A HT/MT LOW CON COMPRESSOR	—

4D-Series

1	EA	97607	4DA3R12ML-TSK 12M BTU MULTI LOW TEMP COMPRESSOR	—
1	EA	97444	4DR3R28ML-TSK 30 HP 230/460 3 R-22 AC UNLOADED COMPRESSOR	—
1	EA	97609	4DH3S16MLTSK 16M BTU MULTI R407C MED TEMP COMPRESSOR	—
1	EA	97443	4DK3R22ML-TSK 25 HP 230/460 3 R-22 AC UNLOADED COMPRESSOR	—
1	EA	97439	4DL3F63KL-TSK 63K BTU 230/460-3 R404A LT LOW COND COMPRESSOR	—
1	EA	97442	4DT3F76KL-TSK 22 HP 230/460 3 R-22 LT DEMAND COOLING COMP	—
1	EA	97359	4RE2200ATSK 20 HP 230/460 3 R-22 AC UNLOADED COMPRESSOR	—
1	EA	97360	4RK2250ATSK 25 HP 230/460 3 R-22 AC UNLOADED COMPRESSOR	—

6-Series

1	EA	97448	6DT3F11ME-TSK800 30HP 230/460 3 R404A LT COMPRESSOR	—
1	EA	97446	6DP3R35ME-TSK800 30 HP 230/460 3 R-22 AC UNLOADED COMPRESSOR	—
1	EA	97362	6RP2-350A-TSK800 35 HP 230/460 3 R-22 AC UNLOADED COMPRESSOR	—

9-Series

1	EA	97636	9RA1050ATFC 36300 BTU R-12 MED TEMP 230-3	—
1	EA	97356	9RB1-076A-TFC800 7 1/2 HP 230-3 R-12 MT COMPRESSOR	—
1	EA	97357	9RS3076ATFC 7 1/2 HP 230-3 R-12 MT COMPRESSOR	—

KA-Series

1	EA	97320	KAA2-007A-IAA800 3/4 HP 115-1 R12 LT COMPRESSOR	—
1	EA	97323	KAAB007ECAA 3/4 HP 115-1 R404A LT COMPRESSOR	—
1	EA	97324	KAGA-007A-TAC800 3/4 HP 230-3 R12 MT COMPRESSOR	—
1	EA	97318	KAGB-005E-IAA800 1/2 HP 115-1 R404A LT COMPRESSOR	—
1	EA	97325	KAGB-007A-CAV800 3/4 HP 230-1 R12 MT COMPRESSOR	—
1	EA	97637	KAGB010ECAV 10,000 BTU 230-1 R-404A MT COMPRESSOR	—
1	EA	97638	KAGB015ECAV 15000 BTU 230-1 R-22 HT COMPRESSOR	—
1	EA	97326	KAJB007EIAA 3/4 HP 115-1 R404A LT COMPRESSOR	—
1	EA	97329	KAJB010ECAV 1 HP 230-1 R404A LT COMPRESSOR	—
1	EA	97332	KAKA010ATAC 1 HP 230-3 R12 MT COMPRESSOR	—
1	EA	97335	KAKB011ECAV 1 HP 230-1 R404A LT COMPRESSOR	—
1	EA	97639	KAKB021ECAV 12,000 BTU 230-1 R22 MT COMPRESSOR	—
1	EA	97336	KALA-015A-TAC800 1-1/2 HP 230-3 R12 MT COMPRESSOR	—
1	EA	97330	KALB-010A-CAV800 1 HP 230-1 R12 LT COMPRESSOR	—
1	EA	97331	KALB010ECAV 1 HP 230-1 R404A ELT COMPRESSOR	—
1	EA	97337	KALB015ECAV 1-1/2 HP 230-1 R404A LT COMPRESSOR	—
1	EA	97340	KALA016ETAC 1-1/2 HP 230-3 R404A COMPRESSOR	—
1	EA	97327	KAMB007ECAA 3/4 HP 115-1 R404A LT COMPRESSOR	—
1	EA	97316	KAMB007ECAV 3/4 HP 230-1 R404A LT COMPRESSOR	—
1	EA	97319	KANB005EIAA 1/2 HP 115-1 R404A LT COMPRESSOR	—
1	EA	97338	KATA015ETAC 1-1/2 HP 230-3 R404A ELT COMPRESSOR	—
1	EA	97333	KATB-010A-CAV800 1 HP 230-1 R12 COMPRESSOR	—
1	EA	97339	KATB015ECAV 1-1/2 HP 230-1 R404A ELT COMPRESSOR	—

CR Air Conditioning Compressors



Air Conditioning Applications

- R-22 only
- CR=Residential A/C (1.5 to 5 Tons)

Specifications

Bercor No.	Model No.	Dimensions (In.) L	W	H	Wt. (Lbs.)	Suction (Stub)	Discharge (Stub)2	Oil Type	BTU	Displacement
97611	CR18K6E-TF5-875	10.23	9.65	13.12	61	3/4	1/2	POE	17,600	244.36
97610	CR18K6E-PFV-875	10.23	9.65	13.19	61	3/4	19/50	POE	18,000	244.36
97612	CR22K6E-PFV-875	10.23	9.65	13.19	61	3/4	19/50	POE	22,100	302.57
97614	CR24K6E-TF5-875	10.23	9.65	13.44	60	3/4	19/50	POE	24,000	328.22
97613	CR24K6E-PFV-875	10.23	9.65	13.44	63	3/4	19/50	POE	24,500	328.22
97615	CR28K6E-PFV-875	10.23	9.65	13.56	64	3/4	1/2	POE	28,200	367.49
97616	CR30K6E-PFV-875	10.23	9.65	13.81	66	3/4	1/2	POE	30,000	381.62
67617	CR32K6E-PFV-875	10.23	9.65	13.81	66	3/4	1/2	POE	32,000	423.86
97618	CR34K6E-PFV-875	10.23	9.65	14.06	67	3/4	1/2	POE	34,500	449.53
97620	CR38K6E-TF5-875	10.23	9.65	14.31	67	3/4	1/2	POE	37,900	492.79
97621	CR38K6E-TFD-875	10.23	9.65	14.31	67	3/4	1/2	POE	37,900	492.79
97619	CR38K6E-PFV-875	10.23	9.65	14.31	70	3/4	1/2	POE	38,200	492.79
97623	CR42K6E-TF5-875	10.23	9.65	14.56	69	3/4	1/2	POE	41,700	534.59
97624	CR42K6E-TFD-875	10.23	9.65	14.56	69	3/4	1/2	POE	41,700	534.59
97622	CR42K6E-PFV-875	10.23	9.65	14.56	74	3/4	1/2	POE	41,900	534.59
97626	CR47KQE-TF5-970	10.38	9.09	14.81	77	22/25	1/2	POE	47,200	602.06
97627	CR47KQE-TFD-970	10.38	9.09	14.81	77	22/25	1/2	POE	47,200	602.06
97625	CR47KQE-PFV-970	10.38	9.09	14.81	77	22/25	1/2	POE	47,500	602.06
97629	CR53KQE-TF5-970	10.62	9.22	14.81	77	22/25	1/2	POE	53,200	665.12
97630	CR53KQE-TFD-970	10.62	9.22	14.81	77	22/25	1/2	POE	53,200	665.12
97628	CR53KQE-PFV-970	10.62	9.22	14.81	77	22/25	1/2	POE	53,300	665.12
97634	CRPQ-045E-TF5970	11.38	9.38	15.88	82	22/25	1/2	POE	57,000	706.92
97635	CRPQ-045E-TFD970	11.38	9.38	15.88	91	22/25	1/2	POE	57,000	706.92
97631	CRNQ-050E-PFV970	11.38	9.38	16.13	91	22/25	1/2	POE	60,600	756.06
97632	CRNQ-050E-TF5970	11.38	9.38	16.13	90	22/25	1/2	POE	61,300	756.06
97633	CRNQ-050E-TFD970	11.38	9.38	16.13	82	22/25	1/2	POE	61,300	756.06

Compressors

Start Capacitor	Run Capacitor	Relay	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
—	—	—	1	EA	97611	CR18K6E-TF5-875 17,600 BTU 230-3 R-22 A/C COMPRESSOR			
96747	96749	96711	1	EA	97610	CR18K6E-PFV-875 18,000 BTU 230-1 R-22 A/C COMPRESSOR			
96729	94556	96712	1	EA	97612	CR22K6E-PFV-875 22,100 BTU 230-1 R-22 A/C COMPRESSOR			
—	—	—	1	EA	97614	CR24K6E-TF5-875 24,000 BTU 230-3 R-22 A/C COMPRESSOR			
96747	96750	96711	1	EA	97613	CR24K6E-PFV-875 24,500 BTU 230-1 R22 A/C COMPRESSOR			
96729	96750	96712	1	EA	97615	CR28K6E-PFV-875 28,200 BTU 230-1 R22 A/C COMPRESSOR			
96747	96750	96711	1	EA	97616	CR30K6E-PFV-875 30,000 BTU 230-1 R22 A/C COMPRESSOR			
96747	94587	96710	1	EA	97617	CR32K6E-PFV-875 32,000 BTU 230-1 R22 A/C COMPRESSOR			
96732	94564	96711	1	EA	97618	CR34K6E-PFV-875 34,500 BTU 230-1 R22 A/C COMPRESSOR			
—	—	—	1	EA	97620	CR38K6E-TF5-875 37,900 BTU 230-3 R22 A/C COMPRESSOR			
—	—	—	1	EA	97621	CR38K6E-TFD-875 37,900 BTU 460-3 R-22 A/C COMPRESSOR			
96732	96754	96712	1	EA	97619	CR38K6E-PFV-875 38,200 BTU 230-1 R22 A/C COMPRESSOR			
—	—	—	1	EA	97623	CR42K6E-TF5-875 41,700 BTU 230-3 R22 A/C COMPRESSOR			
—	—	—	1	EA	97624	CR42K6E-TFD-875 41,700 BTU 460-3 R-22 A/C COMPRESSOR			
96732	96754	96712	1	EA	97622	CR42K6E-PFV-875 41,900 BTU 230-1 R22 A/C COMPRESSOR			
—	—	—	1	EA	97626	CR47KQE-TF5-970 47,200 BTU 230-3 R22 A/C COMPRESSOR			
—	—	—	1	EA	97627	CR47KQE-TFD-970 47,200 BTU 460-3 R-22 A/C COMPRESSOR			
96732	94592	96827	1	EA	97625	CR47KQE-PFV-970 47,500 BTU 230-1 R22 A/C COMPRESSOR			
—	—	—	1	EA	97629	CR53KQE-TF5-970 53,200 BTU 230-3 R22 A/C COMPRESSOR			
96732	—	—	1	EA	97630	CR53KQE-TFD-970 53,200 BTU 460-3 R22 A/C COMPRESSOR			
96732	96756	96827	1	EA	97628	CR53KQE-PFV-970 53,700 BTU 230-1 R22 A/C COMPRESSOR			
—	—	—	1	EA	97634	CRPQ-045E-TF5970 57,000 BTU 230-3 R22 A/C COMPRESSOR			
—	—	—	1	EA	97635	CRPQ-045E-TFD970 57,000 BTU 460-3 R22 A/C COMPRESSOR			
—	—	—	1	EA	97631	CRNQ-050E-PFV970 60,600 BTU 230-1 R22 A/C COMPRESSOR			
—	—	—	1	EA	97632	CRNQ-050E-TF5970 61,300 BTU 230-3 R22 A/C COMPRESSOR			
—	—	—	1	EA	97633	CRNQ-050E-TFD970 61,300 BTU 460-3 R22 A/C COMPRESSOR			

Start Capacitors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96729	914-0008-51 145-174 MFD 220 VAC START CAPACITOR	
1	EA	96732	914-0006-03 189-227 MFD 330 VAC START CAPACITOR	
1	EA	96733	914-0006-07 145-174 MFD 250 VAC START CAPACITOR	
1	EA	96747	914-0036-04 145-174 MFD 250 VAC START CAPACITOR	
1	EA	96849	914-0036-07 CAP START KIT	
1	EA	96853	914-0053-09 CAP START KIT	

Copeland Run Capacitors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	94556	12917 30MFD 370V RUN CAP OVAL		
1	EA	94585	12941 30MFD 440V RUN CAP OVAL		
1	EA	94587	12943 35MFD 440V RUN CAP OVAL		
1	EA	94592	12748 45MFD 440V RUN CAPACITOR ROUND		
1	EA	94594	12251 50MFD 440V RUN CAPACITOR ROUND		
1	EA	96749	914-0037-09 25 MFD 370 VAC RUN CAPACITOR		
1	EA	96750	914-0037-11 35 MFD 370 VAC RUN CAPACITOR		
1	EA	96751	914-0037-12 40 MFD 370 VAC RUN CAPACITOR		
1	EA	96754	914-0037-18 40 MFD 440 VAC RUN CAPACITOR		
1	EA	96756	914-0037-22 60 MFD 440 VAC RUN CAPACITOR		
1	EA	96758	914-0037-38 80 MFD 370 VAC RUN CAPICITOR		

Mars Run Capacitors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	94564	12925 50MFD 370V RUN CAP OVAL		
1	EA	94587	12943 35MFD 440V RUN CAP OVAL		

Relays

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96710	940-0001-54 START RELAY	
1	EA	96711	940-0001-55 START RELAY	
1	EA	96712	940-0001-60 START RELAY	
1	EA	96715	940-0001-64 START RELAY	
1	EA	96716	940-0001-68 START RELAY	
1	EA	96827	940-0001-59 START RELAY	

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Copeland brand products ZR Scroll Air Conditioning Compressors



- 21,000 to 185,000 BTU
- 230 volt, single-phase or three-phase
- 460 volt, three-phase

Bercor Number	Model Number	BTU	Dimensions (In)			Weight (Lbs)	Suction	Discharge	Oil Type	Displacement (ft^3/hr)
			Length	Width	Height					
97705	ZR21K5E-PFV-800	21,000	9.5	9.5	15.86	46.9	3/4 Stub	1/2 Stub	POE	214.86
97706	ZR25K5E-PFV-800	25,300	9.5	9.5	15.86	50.1	3/4 Stub	1/2 Stub	POE	252.66
97707	ZR28K5E-PFV-800	28,400	9.5	9.5	15.86	49.6	3/4 Stub	1/2 Stub	POE	286.93
97708	ZR32K5E-PFV-800	32,600	9.5	9.5	15.86	49.9	3/4 Stub	1/2 Stub	POE	326.91
97709	ZR38K5E-PFV-800	38,000	9.69	9.69	16.94	64.9	7/8 Stub	1/2 Stub	POE	377.71
97710	ZR42K5E-PFV-800	42,200	9.69	9.69	19.94	68.3	7/8 Stub	1/2 Stub	POE	419.27
97711	ZR42K5E-TF5-800	42,200	9.69	9.69	19.94	61	7/8 Stub	1/2 Stub	POE	419.27
97712	ZR42K5E-TFD-800	42,200	9.69	9.69	19.94	60.8	7/8 Stub	1/2 Stub	POE	419.27
97714	ZR48K5E-TF5-800	48,200	9.69	9.69	16.94	69.1	7/8 Stub	1/2 Stub	POE	469.71
97713	ZR48K5E-PFV-800	48,200	9.69	9.69	16.94	70.9	7/8 Stub	1/2 Stub	POE	469.71
97715	ZR48K5E-TFD-800	48,200	9.69	9.69	16.94	64.2	7/8 Stub	1/2 Stub	POE	469.71
97716	ZR54K5E-PFV-800	53,500	9.69	9.69	16.94	72.5	7/8 Stub	1/2 Stub	POE	534.12
97717	ZR54K5E-TF5-800	53,500	9.69	9.69	16.94	68.4	7/8 Stub	1/2 Stub	POE	534.12
97718	ZR54K5E-TFD-800	53,500	9.69	9.69	16.94	68.3	7/8 Stub	1/2 Stub	POE	534.12
97719	ZR57K3E-PFV-930	58,000	9.69	9.69	17.75	90	7/8 Stub	1/2 Stub	POE	572.4
97720	ZR57K3E-TF5-930	58,500	9.69	9.69	17.24	85	7/8 Stub	1/2 Stub	POE	572.4
97721	ZR57K3E-TFD-930	58,500	9.69	9.69	17.24	85	7/8 Stub	1/2 Stub	POE	572.4
97722	ZR61K3E-PFV-930	62,000	9.69	9.69	17.75	90	7/8 Stub	1/2 Stub	POE	612.5
97723	ZR61K3E-TF5-930	62,000	9.69	9.69	17.24	84	7/8 Stub	1/2 Stub	POE	612.5
97724	ZR61K3E-TFD-930	62,000	9.69	9.69	17.24	84	7/8 Stub	1/2 Stub	POE	612.5
97725	ZR68KCE-TF5-930	70,000	9.69	9.69	17.75	86	7/8 Stub	1/2 Stub	POE	689.79
97726	ZR68KCE-TFD-930	70,000	9.69	9.69	17.75	86	7/8 Stub	1/2 Stub	POE	689.79
97727	ZR72KCE-TF5-950	73,500	9.69	9.69	17.75	85	7/8 Stub	1/2 Stub	POE	727.1
97728	ZR72KCE-TFD-950	73,500	9.69	9.69	17.75	85	7/8 Stub	1/2 Stub	POE	727.1
97481	ZR84KC-TF5-950	85,500	10.38	11.23	18.75	126	1-1/8 Stub	7/8 Stub	AB	842.31
97545	ZR84KCE-TF5-950	85,500	10.38	11.23	18.75	126	1-1/8 Stub	7/8 Stub	POE	842.31
97572	ZR90K3E-TWD-961	89,000	12.57	14.06	21.17	207	1 3/8 Stub	7/8 Stub	POE	889.46
97544	ZR94KCE-TF5-950	94,000	10.38	11.23	18.75	125	1-1/8 Stub	7/8 Stub	POE	942.81
97543	ZR94KCE-TFD-950	94,000	10.38	11.23	18.75	126	1-1/8 Stub	7/8 Stub	POE	942.81
97702	ZR11M3E-TWC-961	108,000	12.57	14.06	21.17	212	1-3/8 Stub	7/8 Stub	POE	1068.23
97549	ZR108KCE-TF5-950	109,000	10.38	11.23	21	132	1-3/8 Stub	7/8 Stub	POE	1059.85
97548	ZR108KCE-TFD-950	109,000	10.38	11.23	21	132	1-3/8 Stub	7/8 Stub	POE	1059.85
97573	ZR12M3E-TWC-961	125,000	12.57	14.06	21.17	221	1-3/8 Stub	7/8 Stub	POE	1226.83
97574	ZR12M3E-TWD-961	125,000	12.57	14.06	21.17	221	1-3/8 Stub	7/8 Stub	POE	1226.83
97547	ZR125KCE-TF5-950	128,000	10.38	11.23	21	135	1-3/8 Stub	7/8 Stub	POE	1239.34
97546	ZR125KCE-TFD-950	125,000	10.38	11.23	21	135	1-3/8 Stub	7/8 Stub	POE	1239.34
97575	ZR16M3E-TWC-961	154,000	12.57	14.06	21.47	227	1-3/8 Stub	7/8 Stub	POE	1515.33
97570	ZR16M3E-TWD-961	154,000	12.57	14.06	21.47	227	1-3/8 Stub	7/8 Stub	POE	1515.33
97576	ZR19M3E-TWC-961	185,000	12.63	13.75	23.3	236	2-1/4 Rotalock	1-3/4 Rotalock	POE	1822.43
97571	ZR19M3E-TWD-961	185,000	12.63	13.75	23.3	236	2-1/4 Rotalock	1-3/4 Rotalock	POE	1822.43

Continued on the Following Page

Compressors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97731	ZR18K5E-PFV-800 17300 BTU 230-1 407C COMPRESSOR			
1	EA	97705	ZR21K5E-PFV-800 21,000 BTU 230-1 R22 A/C SCROLL COMPRESSOR			
1	EA	97706	ZR25K5E-PFV-800 25,300 BTU 230-1 R22 A/C SCROLL COMPRESSOR			
1	EA	97707	ZR28K5E-PFV-800 28,400 BTU 230-1 R22 A/C SCROLL COMPRESSOR			
1	EA	97708	ZR32K5E-PFV-800 32,600 BTU 230-1 R22 A/C SCROLL COMPRESSOR			
1	EA	97709	ZR38K5E-PFV-800 38,000 BTU 230-1 R22 A/C SCROLL COMPRESSOR			
1	EA	97710	ZR42K5E-PFV-800 42,200 BTU 230-1 R22 A/C SCROLL COMPRESSOR			
1	EA	97711	ZR42K5E-TF5-800 42,200 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97712	ZR42K5E-TFD-800 42,200 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97714	ZR48K5E-TF5-800 47,000 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97713	ZR48K5E-PFV-800 48,200 BTU 230-1 R22 A/C SCROLL COMPRESSOR			
1	EA	97715	ZR48K5E-TFD-800 48,200 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97716	ZR54K5E-PFV-800 53,500 BTU 230-1 R22 A/C SCROLL COMPRESSOR			
1	EA	97717	ZR54K5E-TF5-800 53,500 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97718	ZR54K5E-TFD-800 53,500 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97719	ZR57K3E-PFV-930 58,000 BTU 230-1 R22 A/C SCROLL COMPRESSOR			
1	EA	97720	ZR57K3E-TF5-930 58,500 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97721	ZR57K3E-TFD-930 58,500 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97722	ZR61K3E-PFV-930 62,000 BTU 230-1 R22 A/C SCROLL COMPRESSOR			
1	EA	97723	ZR61K3E-TF5-930 62,000 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97724	ZR61K3E-TFD-930 62,000 BTU 460-.3 R22 A/C SCROLL COMPRESSOR			
1	EA	97725	ZR68KCE-TF5-930 70,000 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97726	ZR68KCE-TFD-930 70,000 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97727	ZR72KCE-TF5-950 73,500 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97728	ZR72KCE-TFD-950 73,500 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97481	ZR84KC-TF5-950 85,500 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97545	ZR84KCE-TF5-950 81,500 BTU 230-3 R407C A/C SCROLL COMPRESSOR			
1	EA	97572	ZR90K3E-TWD-961 89,000 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97544	ZR94KCE-TF5-950 94,000 BTU 230-3 R407C A/C SCROLL COMPRESSOR			
1	EA	97543	ZR94KCE-TFD-950 94,000 BTU 460-3 R-407C A/C SCROLL COMPRESSOR			
1	EA	97702	ZR11M3E-TWC-961 108,000 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97549	ZR108KCE-TF5-950 106,000 BTU 230-3 R407C A/C SCROLL COMPRESSOR			
1	EA	97548	ZR108KCE-TFD-950 106,000 BTU 460-3 R407C A/C SCROLL COMPRESSOR			
1	EA	97573	ZR12M3E-TWC-961 125,000 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97574	ZR12M3E-TWD-961 125,000 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97547	ZR125KCE-TF5-950 125,000 BTU 230-3 R407C A/C SCROLL COMPRESSOR			
1	EA	97546	ZR125KCE-TFD-950 125,000 BTU 460-3 R407C A/C SCROLL COMPRESSOR			
1	EA	97575	ZR16M3E-TWC-961 154,000 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97570	ZR16M3E-TWD-961 154,000 BTU -460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97576	ZR19M3E-TWC-961 185,000 BTU 230-3 R407 A/C SCROLL COMPRESSOR			
1	EA	97571	ZR19M3E-TWD-961 185,000 BTU 460-3 R22 A/C SCROLL COMPRESSOR			

Copeland brand products ZPS Ultra Tech Scroll Air Conditioning Compressors



- R-410A ready
- 9.90 and 10.35 EER
- Two internal bypass ports enable the sytem to run at 67 percent part-load capacity for enhanced efficiency and humidity control
- Enhanced humidity and temperature control for 15–16 SEER market
- Two stages of capacity modulated by pressure differential that instantly shifts between full-load and part-load capacity
- Significant reduction in VA load
- Improved sound

Model Number	BTU	Dimensions (In)			Weight (Lbs)	Suction	Discharge	Oil Type	Displacement (ft^3/hr)
		Length	Width	Height					
ZPS20K5E-PFV	25,100	9.56	9.56	15.27	47.3	3/4 Stub	1/2 Stub	POE	147.05
ZPS40K5E-PFV	51,000	9.56	9.56	16.94	72.9	7/8 Stub	1/2 Stub	POE	289.97

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	97663	ZPS20K5E-PFV-800 25100 BTU 230-1 2 STEP R410A AC SCROLL COMPRESSOR	
1	EA	97664	ZPS40K5E-PFV-800 51000 BTU 230-1 2 STEP R410A AC SCROLL COMPRESSOR	

ZP Scroll Air Conditioning Compressors

Residential and Light Commercial Applications



- R-410A ready
- High temperature and ultra high pressure applications
- 13 and 14 SEER optimized
- Improved temperature protection
- Internal pressure protection
- Quiet shutdown solution
- High efficiency motor
- 230V, 60 Hz., single-phase

Model Number	BTU	Dimensions (In)			Weight (Lbs)	Suction	Discharge	Oil Type	Displacement (ft^3/hr)
		Length	Width	Height					
ZP16K5E-PFV-800	15,500	9.56	9.56	15.27	47.4	3/4 Stub	1/2 Stub	POE	111.81
ZP20K5E-PFV-800	20,000	9.56	9.56	15.27	47.4	3/4 Stub	1/2 Stub	POE	143.4
ZP24K5E-PFV-800	24,000	9.56	9.56	15.27	48.3	3/4 Stub	1/2 Stub	POE	168.92
ZP31K5E-PFV-800	31,100	9.56	9.56	15.27	49.6	3/4 Stub	1/2 Stub	POE	218.75
ZP34K5E-PFV-800	34,500	9.56	9.56	16.94	71.2	7/8 Stub	1/2 Stub	POE	243.06
ZP38K5E-PFV-800	37,500	9.56	9.56	16.94	72	7/8 Stub	1/2 Stub	POE	264.93
ZP42K5E-PFV-800	42,000	9.56	9.56	16.94	72.9	7/8 Stub	1/2 Stub	POE	295.31
ZP42K5E-TFD-800	42,000	9.56	9.56	16.94	72.9	7/8 Stub	1/2 Stub	POE	295.31
ZP49K5E-PFV-800	49,400	9.56	9.56	16.94	75.8	7/8 Stub	1/2 Stub	POE	344.05
ZP49K5E-TF5-800	49,700	9.56	9.56	16.94	72.8	7/8 Stub	1/2 Stub	POE	344.05
ZP49K5E-TFD-800	50,000	9.56	9.56	16.94	72.8	7/8 Stub	1/2 Stub	POE	344.05
ZP54K5E-PFV-800	54,000	9.56	9.56	16.94	75.6	7/8 Stub	1/2 Stub	POE	379.17
ZP54K5E-TF5-800	54,300	9.56	9.56	16.94	71.6	7/8 Stub	1/2 Stub	POE	379.17
ZP54K5E-TFD-800	54,300	9.56	9.56	16.94	71.4	7/8 Stub	1/2 Stub	POE	379.17
ZP61K5E-TFD-800	61,500	9.69	9.69	17.5	77.2	7/8 Stub	1/2 Stub	POE	424.01
ZP61K5E-TF5-800	61,500	9.69	9.69	17.5	77.2	7/8 Stub	1/2 Stub	POE	424.01
ZP90KCE-TFD-950	90,500	10.38	11.23	18.75	127	1-1/8 Stub	7/8 Stub	POE	624.05
ZP103KCE-TFD-950	105,000	10.38	11.23	21	135	1-3/8 Stub	7/8 Stub	POE	714.46

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97680	ZP16K5E-PFV-800 15,500 BTU 230-1 R410A A/C SCROLL COMPRESSOR			
1	EA	97681	ZP20K5E-PFV-800 20,000 BTU 230-1 R410A A/C SCROLL COMPRESSOR			
1	EA	97682	ZP24K5E-PFV-800 24,000 BTU 230-1 R410A A/C SCROLL COMPRESSOR			
1	EA	97683	ZP31K5E-PFV-800 31,100 BTU 230-1 R410A A/C SCROLL COMPRESSOR			
1	EA	97684	ZP34K5E-PFV-800 34,500 BTU 230-1 R410A A/C SCROLL COMPRESSOR			
1	EA	97685	ZP38K5E-PFV-800 37,500 BTU 230-1 R410A A/C SCROLL COMPRESSOR			
1	EA	97686	ZP42K5E-PFV-800 42,000 BTU 230-1 R410A A/C SCROLL COMPRESSOR			
1	EA	97649	ZP42K5E-TFD-800 42,000 BTU 230-1 R410A AC SCROLL COMPRESSOR			
1	EA	97687	ZP49K5E-PFV-800 49,400 BTU 230-1 R410A A/C SCROLL COMPRESSOR			
1	EA	97689	ZP49K5E-TF5-800 49,700 BTU 230-3 R410A A/C SCROLL COMPRESSOR			
1	EA	97690	ZP49K5E-TFD-800 50,000 BTU 460-3 R410A A/C SCROLL COMPRESSOR			
1	EA	97688	ZP54K5E-PFV-800 54,000 BTU 230-1 R410A A/C SCROLL COMPRESSOR			
1	EA	97692	ZP54K5E-TF5-800 54,300 BTU 460-3 R410A A/C SCROLL COMPRESSOR			
1	EA	97691	ZP54K5E-TFD-800 54,300 BTU 460-3 R410A A/C SCROLL COMPRESSOR			
1	EA	97694	ZP61K5E-TF5-800 61,500 BTU 230-3 R410A A/C SCROLL COMPRESSOR			
1	EA	97693	ZP61K5E-TFD-800 61,500 BTU 460-3 R410A A/C SCROLL COMPRESSOR			
1	EA	97662	ZP90KCE-TFD-950 90500 BTU 460-3 R410A AC SCROLL COMPRESSOR			
1	EA	97648	ZP103KCE-TFD-950 105000 BTU 460-3 R410A AC SCROLL COMPRESSOR			

Copeland brand products ZB Scroll Air Conditioning Compressors



- Medium and high temperature applications
- R-22
- 230 V, 3-phase (TF5)
- 460 V, 3-phase (TFD)
- Consult compressor performance curves for specific applications
- ZB compressors are excellent replacements for Tecumseh SFA compressors

Bercor Number	Model Number	BTU	Dimensions (In)			Weight (Lbs.)	Suction	Discharge	Oil Type	Displacement (ft^3/hr)
			Length	Width	Height					
97523	ZB15KCE-TFD-940	9.5	9.5	15.04	56	3/4 Stub	1/2 Stub	POE	14600	252.29
97534	ZB21KCE-TFD-940	9.5	9.5	15.93	60	3/4 Stub	1/2 Stub	POE	22100	367.01
97554	ZB45KCE-TFD-965	10.12	9.67	17.23	87	7/8 Stub	1/2 Stub	POE	43900	727.1
97535	ZB58KCE-TF5-950	10.38	11.19	18.8	85	1-1/8 Stub	7/8 Stub	POE	57700	942.69
97536	ZB58KCE-TFD-950	10.38	11.19	18.8	85	1-1/8 Stub	7/8 Stub	POE	57700	942.69
97538	ZB66KCE-TFD-950	10.38	11.19	21.5	132	1-3/8 Stub	7/8 Stub	POE	65000	1059.85
97539	ZB76KCE-TF5-950	10.38	11.19	21.5	135	1-3/8 Stub	7/8 Stub	POE	77200	1239.34
97540	ZB76KCE-TFD-950	10.38	11.19	21.5	135	1-3/8 Stub	7/8 Stub	POE	77200	1239.34
97542	ZB88KC-TFD-950	10.38	11.19	21.5	135	1-3/8 Stub	7/8 Stub	AB	135000	1415.8

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-4	PC-3 5
1	EA	97532	ZB15KCE-TFD-940 14600 BTUH 460-3 MT/HT SCROLL COMPRESSOR			
1	EA	97534	ZB21KCE-TFD-940 22100 BTUH 460-3 MT/HT SCROLL COMPRESSOR			
1	EA	97554	ZB45KCE-TFD-965 44 MBTUH 460-3 MT/HT SCROLL COMPRESSOR			
1	EA	97535	ZB58KCE-TF5-950 94,000 BTU 230-3 MT/HT SCROLL COMPRESSOR			
1	EA	97536	ZB58KCE-TFD-950 94,900 BTU 460-3 MT/HT SCROLL COMPRESSOR			
1	EA	97538	ZB66KCE-TFD-950 108,700 BTU 460-3 MT/HT SCROLL COMPRESSOR			
1	EA	97539	ZB76KCE-TF5-950 125,900 BTU 230-3 MT/HT SCROLL COMPRESSOR			
1	EA	97540	ZB76KCE-TFD-950 125,900 BTU 460-3 MT/HT SCROLL COMPRESSOR			
1	EA	97542	ZB88KC-TFD-950 142,800 BTU 460-3 R22 SCROLL A/C COMPRESSOR			

Oil Pump



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96805	998-0008-33 COPELAND OIL PUMP	

Sentronic+

Electronic Oil Pressure Safety Control



- Eliminate capillary tubes, bellows and mechanical fittings.
- More reliable than mechanical sensing systems.
- Standard alarm system for instant notification.
- Unaffected by ambient temperature.
- Faster, easier to install.
- LED indicator of oil pressure condition.
- Sentronic 3 features sliding reset switch that visually indicates oil pressure trip.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96828	585-1076-02 SENTRONIC 3 MODULE AND SENSOR WITH GASKETS	
1	EA	96829	998-0105-01 SENTRONIC MODULE(ONLY)	
1	EA	96840	998-0162-00 REPLACEMENT SENSOR FOR SENTRONIC	

Voltage Monitor

Protects Motors from Burnouts Caused by Voltage Fluctuations



- Rugged, reliable, easy to install and program.
- Operate on all voltages from 190 to 630 VAC.
- Display line voltage, fault conditions and set points on one LCD screen.
- Store up to 25 fault occurrences for instant recall and analysis.
- Minimize unnecessary callbacks and shutdowns.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96619	085-0160-00 PHASE GUARD VOLTAGE MONITOR	

Comfort Alert Diagnostics

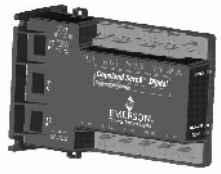
for Commercial Systems



Commercial Comfort Alert is designed to work with 3-phase Copeland Scroll™ compressors that use internal motor protection. It works for both air conditioning and heat pump application, and can be used with either single stage or two-stage scroll compressors.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96826	943-0038-01 COMMERCIAL COMFORT ALERT	

Digital Scroll Compressor Control Module



Designed for single-phase Copeland Scroll digital compressors and three-phase Copeland Scroll digital and Discus digital compressors. Controller modulates digital compressors base on input from system controller which measures temperature, pressure, and humidity to determine needed compressor capacity. Controller also detects common system problems and flashes an "alert" LED to direct repair technicians to the root cause.

- **Model 943-0024-01** also features a time delay.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96821	543-0024-00 DIGITAL SCROLLS CONTROLLER MODULE	
1	EA	96837	943-0024-01 15S DIGITAL CONTROL W/TIME DELAY	

Electronic Motor Protector



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96803	998-0524-10 TI# 41AA1600E SOLID STATE MODULE	

Commercial Pressure Controls

Built for Ease of Installation and Service



- Single, dual and mini-pressure models.
- Single-pole, double-throw switches for maximum application flexibility; operation alarm.
- Fully protected against harsh environments.
- Simplified wiring; captive screws.
- Shielded, shock-resistant terminals.
- Easy override for system checkout or charging.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96572	985-CP1A-1K SINGLE POLE LOW PRESSURE CONTROL	
1	EA	96573	985-CP1A-3A SINGLE POLE LOW PRESSURE CONTROLS	
1	EA	96574	985-CP1A-3K SINGLE POLE LOW PRESSURE CONTROLS	
1	EA	96576	985-CP1A-5K SINGLE POLE HIGH PRESSURE CONTROLS	
1	EA	96578	985-CP1U-5K SINGLE POLE HIGH PRESSURE CONTROLS	
1	EA	96579	985-CP2M-7A DUAL PRESSURE CONTROLS	
1	EA	96580	985-CP2M-7K DUAL PRESSURE CONTROLS	
1	EA	96581	985-CP3H-SB DIRECT MOUNT PRESSURE CONTROLS	
1	EA	96582	985-CP3L-MS DIRECT MOUNT PRESSURE CONTROLS	
1	EA	96583	985-CP3L-SS DIRECT MOUNT PRESSURE CONTROLS	
1	EA	96584	985-CP3M-SB DIRECT MOUNT PRESSURE CONTROLS	

Protectors

Motor Overload Protector

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96856	971-0065-04 KIT 24V MODULE CORESENSE COMPRESSOR PROTECTOR	
1	EA	96857	971-0090-47 PROTECTOR KIT	
1	EA	96858	971-0119-05 PROTECTOR KIT	
1	EA	96704	971-0369-21 PROTECTORS	
1	EA	96830	971-0554-22 PROTECTORS	
1	EA	96859	971-0554-27 EXTERNAL PROTECTOR KIT	
1	EA	96860	971-0561-17 PROTECTOR KIT	
1	EA	96851	971-0561-48 PROTECTOR KIT	
1	EA	96861	971-0561-60 PROTECTOR KIT	
1	EA	96862	971-0604-13 PROTECTOR KIT	
1	EA	96839	971-0641-01 24V MODULE PROTECTOR KIT	
1	EA	96705	971-C100-01 PROTECTORS	
1	EA	96863	971-C100-24 EXTERNAL PROTECTOR KIT	
1	EA	96841	998-0520-00 120/240 VOLT MOTOR PROTECTOR	
1	EA	96842	998-0520-04 24 VOLT MOTOR PROTECTOR MODULE	

Power Cables

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96843	529-0060-04 POWER CABLE-MOLDED PLUG	
1	EA	96833	529-0060-24 POWER CABLE W/MOLDED PLUG	

SecureStart for Single Phase Copeland Compressors



The SecureStart module uses state-of-the-art technology to provide a safe and consistent start-up for the compressor. By limiting the starting current by up to 75%, compressor start characteristics are improved, allowing contractors to meet local regulations. The SecureStart module delivers a new level of protection and start-up consistency, providing reliable system performance and longevity, while reducing nuisances caused by current variations.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96844	943-0120-00 SECURE START MODULE-KIT	

Tank Receiver Assembly

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96845	577-0315-05 TANK-LIQUID REC ASSM	
1	EA	96847	577-0346-04 TANK-LIQUID REC ASSM	
1	EA	96848	577-0435-03 TANK-LIQUID REC ASSM	

Copeland brand products Relays

Potential (Start) Relays

Copeland Model No.	GE Model No.	Mars Model No.	Pick-up Volts	Drop Out Volts	Continuous Volt Rating	Frequency
940-0001-48	3ARR3KC7M5	16093	150-160	15-45	130	60
940-0001-49	3ARR3T3E5	19008	340-360	50-100	290	60
940-0001-50	3ARR3T24E5	19008	340-360	55-125	336	60
940-0001-51	3ARR3T5P5	19008	170-180	35-77	221	60
940-0001-54	3ARR3KC10V5	16089	240-260	60-121	375	60
940-0001-55	3ARR3KC10S5	16023	190-200	40-105	375	60
940-0001-59	3ARR3KC6W5	16090	210-230	60-125	420	60
940-0001-60	3ARR3KC24S5	16091	190-200	55-115	383	60
940-0001-61	3ARR3T6D5	16086	320-340	60-121	420	60
940-0001-62	3ARR3KC5M5	16035	150-160	35-77	253	60
940-0001-68	3ARR3T6V5	19008	240-260	60-121	420	60
940-0001-69	3ARR3KC4D5	16088	320-340	60-135	500	60
940-0001-79	3ARR3KC3P5	16152	170-180	40-90	332	60

Relays (Current)

Copeland Model No.	Texas Instruments Model No.	Max. Pick-up Amps	Min. Drop Out Amps
940-0088-00	6409-26-196	28.9	23.7
940-0088-02	N/A	17.4	14.3
940-0088-04	N/A	33.6	27.8
940-0090-04	3CR-206-191B	27.2	22.7
940-0090-06	3CR-206-189B	24.75	20.45
940-0102-00	N/A	28.9	23.7
940-C411-80	N/A	16.7	14.0
940-C411-82	9660A-467-1822	17.8	14.9
940-C411-83	N/A	18.2	15.3
940-C411-89	N/A	21.9	18.2
940-C411-91	N/A	24.4	20.3

Potential (Start) Relays

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96706	940-0001-48 START RELAY	
1	EA	96707	940-0001-49 START RELAY	
1	EA	96708	940-0001-50 START RELAY	
1	EA	96709	940-0001-51 START RELAY	
1	EA	96710	940-0001-54 START RELAY	
1	EA	96711	940-0001-55 START RELAY	
1	EA	96712	940-0001-60 START RELAY	
1	EA	96713	940-0001-61 START RELAY	
1	EA	96714	940-0001-62 START RELAY	
1	EA	96716	940-0001-68 START RELAY	
1	EA	96717	940-0001-69 START RELAY	
1	EA	96718	940-0001-79 START RELAY	
1	EA	96827	940-0001-59 START RELAY	

Relays (Current)

1	EA	96719	940-0088-00 RELAY	
1	EA	96720	940-0088-02 RELAY	
1	EA	96721	940-0088-04 RELAY	
1	EA	96724	940-0090-04 RELAY	
1	EA	96725	940-0090-06 RELAY	
1	EA	96850	940-0102-00 RELAY-CURRENT KIT	
1	EA	96726	940-C411-80 RELAY	
1	EA	96727	940-C411-82 RELAY	
1	EA	96728	940-C411-83 RELAY	
1	EA	96835	940-C411-89 START RELAY	
1	EA	96836	940-C411-91 RELAY	

Time Delay Relay

1	EA	96804	940-0145-02 RELAY-TIMER DELAY	

Copeland brand products Capacitors

Start Capacitors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96730	914-0006-00 108-130 MFD 330 VAC START CAPACITOR	

Copeland brand products Crankcase Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96808	998-7024-00 SCROLL COMPRESSOR JUNCTION BOX HEATER	

Copeland brand products Capacitors

Start Capacitors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96731	914-0006-01 130-156 MFD 330 VAC START CAPACITOR	—
1	EA	96732	914-0006-03 189-227 MFD 330 VAC START CAPACITOR	—
1	EA	96733	914-0006-07 145-174 MFD 250 VAC START CAPACITOR	—
1	EA	96734	914-0006-09 216-259 MFD 330 VAC START CAPACITOR	—
1	EA	96735	914-0006-10 270-324 MFD 330 VAC START CAPACITOR	—
1	EA	96736	914-0008-49 400-480 MFD 115 VAC START CAPACITOR	—
1	EA	96729	914-0008-51 145-174 MFD 220 VAC START CAPACITOR	—
1	EA	96737	914-0008-52 430-516 MFD 125 VAC START CAPACITOR	—
1	EA	96738	914-0008-61 88-106 MFD 220 VAC START CAPACITOR	—
1	EA	96739	914-0008-63 540-648 MFD 115 VAC START CAPACITOR	—
1	EA	96740	914-0008-66 108-130 MFD 220 VAC START CAPACITOR	—
1	EA	96741	914-0008-71 189-227 MFD 220 VAC START CAPACITOR	—
1	EA	96742	914-0008-72 64-77 MFD 250 VAC START CAPACITOR	—
1	EA	96743	914-0008-74 72-86 MFD 330 VAC START CAPACITOR	—
1	EA	96744	914-0008-79 270-324 MFD 165 VAC START CAPACITOR	—
1	EA	96745	914-0032-00 233-280 MFD 110 VAC START CAPACITOR	—
1	EA	96747	914-0036-04 145-174 MFD 250 VAC START CAPACITOR	—
1	EA	96759	914-0053-00 145-175 MFD 165 VAC START CAPACITOR	—
1	EA	96760	914-0053-04 189-227 MFD 165 VAC START CAPACITOR	—

Run Capacitors

1	EA	96748	914-0037-04 10 MFD 370 VAC RUN CAPACITOR	—
1	EA	96749	914-0037-09 25 MFD 370 VAC RUN CAPACITOR	—
1	EA	96750	914-0037-11 35 MFD 370 VAC RUN CAPACITOR	—
1	EA	96751	914-0037-12 40 MFD 370 VAC RUN CAPACITOR	—
1	EA	96752	914-0037-14 20 MFD 440 VAC RUN CAPACITOR	—
1	EA	96753	914-0037-15 25 MFD 440 VAC RUN CAPACITOR	—
1	EA	96754	914-0037-18 40 MFD 440 VAC RUN CAPACITOR	—
1	EA	96755	914-0037-21 55 MFD 440 VAC RUN CAPACITOR	—
1	EA	96756	914-0037-22 60 MFD 440 VAC RUN CAPACITOR	—
1	EA	96757	914-0037-23 25 MFD 480 VAC RUN CAPACITOR	—
1	EA	96758	914-0037-38 80 MFD 370 VAC RUN CAPICITOR	—

Copeland brand products Crankcase Heaters



Crankcase Heater Thread Immersion Style



Wraparound Heater

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96872	918-0001-03 HEATER-CRANKCASE	—
1	EA	96602	918-0002-03 120V 100 W IMMERSION CRANKCASE HEATERS	—
1	EA	96603	918-0009-01 240 V 65 W E/L/M/N/3 BOLT ON CRANKCASE HEATER	—
1	EA	96605	918-0028-00 120 V 100 W INSERTION CRANKCASE HEATERS	—
1	EA	96606	918-0028-01 240 V 100 W INSERTION CRANKCASE HEATERS	—
1	EA	96607	918-0041-00 240V 70W 21" LEADS WRAPAROUND CC HEATER	—
1	EA	96608	918-0043-00 240V 70W 48" LEADS WRAPAROUND CC HEATER	—
1	EA	96609	918-0043-01 480V 70W 48" LEADS WRAPAROUND CC HEATER	—
1	EA	96854	918-0047-00 HEATER-CRANKCASE	—
1	EA	96610	918-0047-01 240V 90W 48" LEADS WRAPAROUND CC HEATER	—
1	EA	96611	918-0047-02 480V 90W 48" LEADS WRAPAROUND CC HEATER	—
1	EA	96834	918-0052-00 240V 40W CRANKCASE HEATER	—
1	EA	96846	918-0056-06 HEATER KIT 120 VOLT	—
1	EA	96869	918-0056-10 120V HEATER-CRANKCASE	—
1	EA	96868	918-0088-00 HEATER-CRANKCASE	—
1	EA	96870	918-0088-01 HEATER-CRANKCASE	—
1	EA	96867	918-0097-01 HEATER-CRANKCASE	—
1	EA	96871	918-0518-00 120V HEATER-CRANKCASE	—

Copeland brand products Valve Plates



Discus Valve Plate



Reed Valve Plate

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96587	998-0661-09 9R SERIES VALVE PLATES	—
1	EA	96590	998-0661-51 4RH 4RK 6RH 6RK 6RP 8RP VALVE PLATES	—
1	EA	96591	998-0661-52 4RA-2000 4RE-2000 VALVE PLATES	—
1	EA	96597	998-1661-43 SOME 3D SERIES VALVE PLATES	—
1	EA	96598	998-1661-51 SOME 3D SERIES VALVE PLATES	—

Copeland brand products Unloader Valves

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96620	998-0212-00 COMPRESSOR UNLOADER VALVES	—
1	EA	96622	998-0212-03 240 VOLT UNLOADER VALVES	—

Copeland brand products Sight Glass Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96623	998-0002-02 SIGHT GLASS KIT	—
1	EA	96624	998-0002-04 SIGHT GLASS KIT	—

Copeland brand products Service Valve Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96632	998-0510-02 1-1/8" SWEAT 1-3/4 R SERVICE VALVE KITS	—
1	EA	96633	998-0510-06 5/8" SWEAT SERVICE VALVE KITS	—
1	EA	96634	998-0510-07 1-5/8" SWEAT X 2 1/2R SERVICE VALVE KITS	—
1	EA	96635	998-0510-09 1-1/8" SWEAT X 2 3/4R SERVICE VALVE KITS	—
1	EA	96636	998-0510-11 1-3/8" SWEAT 2 3/4 R SERVICE VALVE KITS	—
1	EA	96637	998-0510-12 7/8" SWEAT SERVICE VALVE KITS	—
1	EA	96638	998-0510-13 1-1/8" SWEAT X 1 5/8R SERVICE VALVE KITS	—
1	EA	96639	998-0510-20 2-1/8" SWEAT 3-1/16 SERVICE VALVE KITS	—
1	EA	96640	998-0510-22 1/2" FLARE X 1 5/8R SERVICE VALVE KITS	—
1	EA	96641	998-0510-23 5/8" FLARE 1 5/8R SERVICE VALVE KITS	—
1	EA	96642	998-0510-24 1/2" FLARE X 1 5/8R SERVICE VALVE KITS	—
1	EA	96643	998-0510-25 5/8" FLARE X 1 5/8R SERVICE VALVE KITS	—
1	EA	96644	998-0510-26 3/8" FLARE X 1 5/8 R SERVICE VALVE KITS	—
1	EA	96645	998-0510-90 7/8" SWEAT ROTALOCK SERVICE VALVE KITS	—
1	EA	96646	998-0510-40 1/2" FLARE X1R SERVICE VALVE KIT	—
1	EA	96649	998-0510-98 1/2" SWEAT SERVICE VALVE KITS	—
1	EA	96650	998-0511-00 5/8" SWEAT SERVICE VALVE KITS	—
1	EA	96651	998-0510-46 1-3/8" SWEAT X 1-3/4R SERVICE VALVE KITS	—
1	EA	96815	998-0036-00 MALE 2 BOLT X 1 3/4R ROTALOCK ADAPTER	—
1	EA	96822	998-0034-15 1/2" ROTALOCK ADAPTOR	—
1	EA	96823	998-0034-02 7/8" ROTALOCK ADAPTOR	—

Solid State Relays



RCO-210, 410, 810 All-in-One Units

This all-in-one unit replaces all 3 electrical components; relay, overload and start capacitor on all capillary systems. It fits domestic and commercial refrigerators and freezers.

Voltage	HP	STD PKG	U?M	BERCOR NUMBER	DESCRIPTION	PC- 1 Each
115	1/3 to 1/2	10	EA	94846	RCO210 1/3 - 1/2 HORSEPOWER RELAY,START CAPACITOR/OVERLOAD	
115	1/4, 1/3	10	EA	94849	RCO410 RELAY CAP OVERLOAD	
115	1/12 to 1/5	1	EA	94850	RCO810 RELAY CAP OVERLOAD	

Universal Replacement Relays

Universal relays replace all OEM potential relays

- Use on any single phase motor or air conditioning and refrigeration compressor up to 5 hp
- Wire to wire replacement for virtually all potential relays
- Recycles instantly
- Replaces both 3 and 5 terminal potential relays
- Normally closed contacts
- Accomodates screw-on or push-on connections
- Easy replacement mounting with universal mounting bracket
- Dimensions: 1.75 W x 2.25 L x 1.5 H



APR-5
- Adjustable, voltage sensitive relay
- Set pick-up voltage
- Safety time out 1.0-1.5 seconds



• SUPR
- Time function relay
- Start time: 1.0-1.5 seconds

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	94847	SUPR UNIV REPL POT RELAY	
1	EA	94868	APR-5 ADJ POTENTIAL RELAY	

Series 190 Potential Relays

- Terminals are included for quick-connect applications.
- If different mounting bracket is required remove and use on new relay. Unused portions of the universal bracket may be broken off if not needed.
- Make certain all terminal screws of "push-on" terminals are tight.



19163

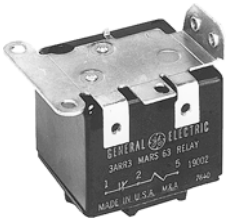
Mars	WR/RBM No.	Tecumseh No.	GE Groups
19163	90-1, 90-17, 90-21, 90-63	P82963	2J, 2K, 2L, 2M, 5N, 7J, 7K, 7L, 7M, 7N, 8L, 8M, 8N
19003	90-4, 90-8, 90-11, 90-14, 90-22, 90-64	P82964	3A, 3B, 3AV, 3AU, 4A, 4B, 6A, 6B, 6AV, 10A, 10B, 10AU, 10AV
19004	90-3, 90-7, 90-40, 90-65	P82965	3P, 3R, 3AP, 5P, 5R, 5S, 5T, 22S
19166	90-13, 90-27, 90-66	P82966	3U, 3V, 3AT, 6U, 6V, 6W
19008, 19169	90-10, 90-18, 90-24, 90-26, 90-41	P82969	3S, 3T, 10S, 10T, 10AS, 25S, 25T
19009	90-2	P82970	5B, 5C, 5D, 5AA, 8B, 8C, 8D

Calibration Specification

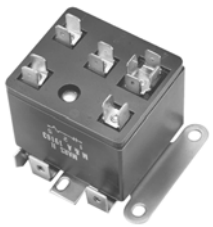
Model No.	Continuous Coil Voltage	Pick-up Min.	Pick-up Max.	Drop-out Max.
19003	395	260	275	120
19004	332	168	182	90
19008	336	180	195	105
19009	253	285	305	77
19163	170	139	153	55
19166	395	215	225	120
19169	332	180	193	105

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94901	19003 MARS 64 RELAY-CONTINUOUS VOLT.395 MIN.260/MAX.275	
1	EA	94902	19004 MARS 65 RELAY-CONTINUOUS VOLT.332 MIN.168/MAX.182	
1	EA	94906	19008 MARS 69 RELAY-CONTINUOUS VOLT.336 MIN.180/MAX.195	
1	EA	94907	19009 MARS 70 RELAY-CONTINUOUS VOLT.253 MIN.285/MAX.305	
1	EA	94917	19163 MARS II 163 RELAY-CONTINUOUS VOLT.170 MIN.139/MAX.153	
1	EA	94920	19166 MARS II 166 RELAY-CONTINUOUS VOLT.395 MIN.215/MAX.225	
1	EA	94923	19169 MARS II 169 RELAY-CONTINUOUS VOLT.332 MIN.180/MAX.193	

Series 190 Potential Relays



19002



19163

- Terminals are included for quick-connect applications.
- If different mounting bracket is required remove and use on new relay. Unused portions of the universal bracket may be broken off if not needed.
- Make certain all terminal screws of "push-on" terminals are tight.

Mars	WR/RBM No.	Tecumseh No.	GE Groups
19005	90-13, 90-27, 90-66	P82966	3U, 3V, 3AT, 6U, 6V, 6W
19167	90-5, 90-6, 90-15, 90-19, 90-25, 90-67	P82967	3C, 3D, 3AA, 4C, 4D, 4BK, 6C, 6D, 6AA, 10C, 10D, 26A, 26B, 26C, 26D

Calibration Specification

Model No.	Continuous Coil Voltage	Pick-up Min.	Pick-up Max.	Drop-out Max.
19005	395	215	225	120
19167	420	295	315	125

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94903	19005 MARS 66 RELAY-CONTINUOUS VOLT.395 MIN.215/MAX.225	
1	EA	94921	19167 MARS II 167 RELAY-CONTINUOUS VOLT.420 MIN.295/MAX.315	

Motor Start Capacitors



- Electrolytic capacitors for motor starting applications.
- 125, 250, 330 V.
- Smallest dimensions for general replacements.
- Hermetically sealed black Bakelite case permanently protects capacitor from oil, dirt, or moisture.

125 Volt

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	94476	11018 / 11918 233-280MFD 125V ROUND START CAPACITOR		
1	EA	94483	11112 / 11912 124-149MFD 125V START CAP		
1	EA	94484	11013 / 11913 145-175MFD 125V ROUND START CAPACITOR		
1	EA	94485	11014 / 11914 161-193MFD 125V ROUND START CAPACITOR		
1	EA	94486	11015 / 11915 189-227MFD 125V ROUND START CAPACITOR		
1	EA	94488	11017 / 11917 216-259MFD 125V ROUND START CAPACITOR		
1	EA	94490	11019 / 11919 270-324MFD 125V ROUND START CAPACITORS		
1	EA	94492	11021 / 11921 324-388MFD 125V ROUND START CAPACITOR		
1	EA	94493	11022 / 11922 340-408MFD ROUND START CAPACITOR		
1	EA	94494	11023 / 11923 378-440MFD 125V ROUND START CAPACITOR		
1	EA	94495	11024 / 11924 400-480MFD 125V ROUND START CAPACITOR		
1	EA	94496	11025 / 11925 460-552MFD 125V ROUND START CAPACITOR		
1	EA	94497	11026 / 11926 540-648MFD 125V ROUND START CAPACITOR		
1	EA	94498	11027 / 11927 590-708MFD 125V ROUND START CAPACITOR		

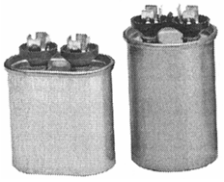
250 Volt

1	EA	94504	11038 / 11938 21-25MFD 250V ROUND START CAPACITOR		
1	EA	94509	11042 / 11942 43-53MFD 250V ROUND START CAPACITOR		
1	EA	94511	11044 / 11944 72-87MFD 250V ROUND START CAPACITOR		
1	EA	94512	11045 / 11945 88-108MFD 250V ROUND START CAPACITORS		
1	EA	94513	11046 / 11946 108-130MFD 250V ROUND START CAPACITOR		
1	EA	94515	11148 / 11948 124-156MFD 250V ROUND START CAPACITOR		
1	EA	94516	11049 / 11949 145-174MFD 250V ROUND START CAPACITOR		
1	EA	94517	11050 / 11950 161-193MF 250V ROUND START CAP		
1	EA	94518	11051 / 11951 189-227MFD 250V ROUND START CAPACITOR		
1	EA	94519	11052 / 11952 216-259MFD 250V ROUND START CAPACITOR		

330 Volt

1	EA	94514	11064 / 11946 130-158MFD 330V ROUND START CAPACITOR		
1	EA	94523	11055 / 11955 21-25MFD 330V START CAP		
1	EA	94529	11060 / 11960 56-72MFD 330V ROUND START CAPACITOR		
1	EA	94530	11061 / 11961 72-88MFD 330V ROUND START CAPACITOR		
1	EA	94531	11062 / 11962 88-108MFD 330V ROUND START CAPACITOR		
1	EA	94532	11063 / 11963 108-130MFD 330V ROUND START CAPACITOR		
1	EA	94534	11965 / 11165 124-156MFD 330V ROUND START CAPACITOR		
1	EA	94535	11966 145-174MFD 330V START CAP		
1	EA	94536	11967 161-193MFD 330V START CAP		
1	EA	94537	11968 189-227MFD 330V START CAP		
1	EA	94538	11969 216-259MFD 330V START CAP		
1	EA	94539	11970 270-324MFD 330V START CAP		

Motor Run Capacitors



- Single section run capacitors.
- Non-PCB capacitors. Physical interrupter makes this capacitor safe.
- Perfect for general replacements.
- Available in round and oval sizes.

370 Volt Round

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	94542	12904 4MFD 370V RUN CAPACITOR ROUND		
1	EA	94559	12218 35MFD 370V RUN CAPACITOR ROUND		
1	EA	94560	12721 40MFD 370V RUN CAP ROUND		
1	EA	94567	12097 7.5MFD 370V RUN CAP ROUND		

370 Volt Oval

1	EA	94520	12009 12.5 MFD 370V RUN CAP OVAL		
1	EA	94543	12905 5MFD 370V RUN CAP OVAL		
1	EA	94544	12906 6MFD 370V RUN CAP OVAL		
1	EA	94545	12907 7.5MFD 370V RUN CAP OVAL		
1	EA	94546	12908 10MFD 370V RUN CAP OVAL		
1	EA	94548	12910 15MFD 370V RUN CAP OVAL		
1	EA	94550	12912 17.5MFD 370V RUN CAP OVAL		
1	EA	94552	12914 20MFD 370V RUN CAP OVAL		
1	EA	94553	12915 25MFD 370V RUN CAP OVAL		
1	EA	94556	12917 30MFD 370V RUN CAP OVAL		
1	EA	94557	12918 35MFD 370V RUN CAP OVAL		
1	EA	94563	12923 45MFD 370V RUN CAP OVAL		
1	EA	94564	12925 50MFD 370V RUN CAP OVAL		
1	EA	94629	12921 40MFD 370V RUN CAP OVAL		

370 Volt Oval—Made in the USA

1	EA	94499	14005 USA 5MFD 370V RUN CAPACITOR OVAL		
1	EA	94500	14007 USA 7.5MFD 370V RUN CAPACITOR OVAL		
1	EA	94501	14008 USA 10MFD 370V RUN CAPACITOR OVAL		
1	EA	94502	14009 USA 12.5MFD 370V RUN CAPACITOR OVAL		
1	EA	94503	14010 USA 15MFD 370V RUN CAPACITOR OVAL		

440 Volt Round

1	EA	94582	12237 20MFD 440V RUN CAPACITOR ROUND		
1	EA	94588	12743 35MFD 440V RUN CAPACITOR ROUND		
1	EA	94590	12745 40MFD 440V RUN CAPACITOR ROUND		
1	EA	94592	12748 45MFD 440V RUN CAPACITOR ROUND		
1	EA	94594	12251 50MFD 440V RUN CAPACITOR ROUND		
1	EA	94595	12252 55MFD 440V RUN CAPACITOR ROUND		
1	EA	94591	12807 7.5 MFD 440V RUN CAPACITOR ROUND		

440 Volt Oval

1	EA	94571	12927 3MFD 440V RUN CAP OVAL		
1	EA	94572	12928 4MFD 440V RUN CAP OVAL		
1	EA	94573	12929 5MFD 440V RUN CAP OVAL		
1	EA	94576	12932 10MFD 440V RUN CAP OVAL		
1	EA	94578	12934 15MFD 440V RUN CAP OVAL		
1	EA	94581	12937 20MFD 440V RUN CAP OVAL		
1	EA	94583	12940 25MFD 440V RUN CAP OVAL		
1	EA	94585	12941 30MFD 440V RUN CAP OVAL		
1	EA	94586	12041 30MFD 440V RUN CAPACITOR OVAL		
1	EA	94587	12943 35MFD 440V RUN CAP OVAL		
1	EA	94596	12950 55MFD 440V RUN CAP OVAL		
1	EA	94600	12949 50MFD 440V RUN CAP OVAL		
1	EA	94628	12051 60MFD 440V RUN CAP OVAL		
1	EA	94636	12951 60MFD 440V RUN CAP OVAL		
1	EA	94637	12948 45MFD 440V RUN CAP OVAL		
1	EA	94638	12945 40MFD 440V RUN CAP OVAL		

Series 140 Dual Voltage Motor Run Capacitors

Made in the USA



- 440/370 dual voltage rated
- OEM grade
- CSA approved
- UL listed
- 5 year warranty

370/440 Volt Oval

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	94521	14029 USA 5MFD 370/440V RUN CAPACITOR OVAL		
1	EA	94522	14031 USA 7.5MFD 370/440V RUN CAPACITOR OVAL		
1	EA	94524	14032 USA 10MFD 370/440V RUN CAPACITOR OVAL		
1	EA	94525	14033 USA 12.5MFD 370/440V RUN CAPACITOR OVAL		
1	EA	94526	14034 USA 15MFD 370/440V RUN CAPACITOR OVAL		

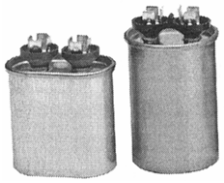
370/440 Volt Round

1	EA	94527	14237 USA 20MFD 370/440V RUN CAPACITOR ROUND		

370/440 Volt Dual Section Round

1	EA	94528	14278 USA 25/5 MFD 370/440V DUAL RUN CAPACITOR ROUND		
1	EA	94533	14281 USA 30/5 MFD 370/440V DUAL RUN CAPACITOR ROUND		
1	EA	94540	14283 USA 35/5 MFD 370/440V DUAL RUN CAPACITOR ROUND		
1	EA	94541	14286 USA 40/5 MFD 370/440V DUAL RUN CAPACITOR ROUND		
1	EA	94547	14288 USA 45/5 MFD 370/440V DUAL RUN CAPACITOR ROUND		
1	EA	94549	14290 USA 50/5 MFD 370/440V DUAL RUN CAPACITOR ROUND		
1	EA	94554	14292 USA 55/5 MFD 370/440V DUAL RUN CAPACITOR ROUND		
1	EA	94555	14294 USA 60/5 MFD 370/440V DUAL RUN CAPACITOR ROUND		

Series 120 Dual Section Motor Run Capacitors



- Dual section run capacitors are used primarily to serve two microfarad applications.
- Non PCB capacitors. Physical interrupter makes this capacitor safe.
- Perfect for general replacements.

370 Volt Oval

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH	PC-2 10
1	EA	94604	12957 15/5MFD 370V DUAL CAP OVAL		
1	EA	94610	12963 20/5MFD 370V DUAL CAP OVAL		
1	EA	94612	12965 25/4MFD 370V DUAL CAP OVAL		
1	EA	94616	12969 30/5MFD 370V DUAL CAP OVAL		
1	EA	94619	12972 35/5MFD 370V DUAL CAP OVAL		
1	EA	94620	12856 60/7.5 MFD 370V DUAL CAP OVAL		

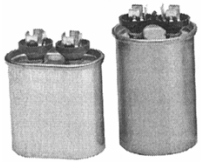
440 Volt Oval

1	EA	94621	12884 25/5 MFD 440V DUAL CAP OVAL		
1	EA	94622	12983 20/15MFD 440V DUAL CAP OVAL		
1	EA	94623	12885 35/5 440V DUAL CAP OVAL		
1	EA	94625	12986 40/5 MFD 440V DUAL CAP OVAL		
1	EA	94626	12890 45/5 MFD 440V DUAL CAP OVAL		
1	EA	94627	12808 50/5 MFD 440V DUAL CAP OVAL		

440 Volt Round

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64442	12783 35/5 MFD 440V DUAL ROUND CAPACITOR CAP050350440RSS	
1	EA	64443	12792 55/5 MFD 440V DUAL ROUND CAPACITOR CAP050550440RTS	
1	EA	64444	12778 25/5 MFD 440V DUAL ROUND CAPACITOR CAP050250440RSS	
1	EA	64446	12788 45/5 MFD 440V DUAL ROUND CAPACITOR CAP050450440RTS	
1	EA	64447	12781 30/5 MFD 440V DUAL ROUND CAPACITOR CAP050300440RSS	
1	EA	64829	12786 40/5 MFD 440V DUAL ROUND CAPACITOR CAP050400440RTS	
1	EA	94602	12285 40/4 MFD 440V DUAL ROUND CAPACITOR	
1	EA	94642	12790 50/5 MFD 440V DUAL CAP ROUND	

Series 120 Dual Section Motor Run Capacitors



- Dual section run capacitors are used primarily to serve to mirofarad applications.
- Non PCB capacitors. Physical interrupter makes this capacitor safe.
- Perfect for general replacements.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94603	12956 15/4MFD 370V DUAL CAP OVAL	

Dual Capacitors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61052	80K47 R38514D007 40/7.5 MFD @ 440V ROUND DUAL CAPACITOR	
1	EA	61053	89M82 100335-14 45/7.5 MFD @ 440V ROUND START CAPACITOR R38514D008	
1	EA	62199	40W01 50M72 R20394208 50/5 MFD @ 370 RND DUAL CAPACITOR R38514D018	
1	EA	63014	56M97 25/5 MFD @ 370V DUAL CAPACITOR R38514D002	
1	EA	63015	89M70 100335-02 30/5MFD @ 370V ROUND START CAPACITOR R38514D003	
1	EA	63016	89M73 100335-05 35/5 MFD @ 370V ROUND START CAPACITOR R38514D004	
1	EA	63040	89M84 60/7.5 MFD@370V CAPACITOR R38514D013 100335-16	
1	EA	63041	89M91 100335-24 80/7.5 @ 370V ROUND START CAPACITOR R38514D014	
1	EA	69173	41W15 45/5 MFD @ 370V CAPACITOR R38514D011 89M79	
1	EA	69174	76K02 60/5 MFD @ 370V RUN CAPACITOR R38514D016	

Global Universal Capacitors

Turbo® 200, Turb® 200 Mini, and Turbo® 200X



Turbo 200 | Turbo 200 Mini | Turbo 200X

Model	Turbo 200	Turbo 200 Mini	Turbo 200 X
Voltage Rating	370VAC or 440VAC	370VAC or 440VAC	370VAC or 440VAC
Value Range	2.5 mfd to 67.5 mfd	2.5 mfd to 12.5 mfd	5.0 mfd to 97.5 mfd
Can Size (In.)	Round 2-1/2 x 4-1/2	Round 1-3/4 x 2-5/16	Round 2-1/2 x 5-3/4
Terminals	6 with 3 blades, 1 with 4 blades	3 with 2 blades, 1 with 1 blade	6 with 3 blades, 1 with 4 blades

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	94471	12200 2.5-67.5 MFD ROUND TURBO 200 UNIVERSAL MOTOR RUN		
1	EA	94472	12100 2.5-15.0 MFD ROUND RUN TURBOMINI 200 UNIVERSAL MOTOR		
1	EA	94474	12300 2.5-97.5 MFD ROUND TURBO 200X UNIVERSAL MOTOR RUN		

Relay and Hard Start Capacitors



SPP5/6 SPP7 SPP8

SSP5 Starter Pow-R-Pack and SPP6 Super Boost

- For room air conditioning units, residential and commercial PSC air conditioning units, and heat pumps.
- For all PSC air conditioning units from 4,000 through 60,000 BTU (1/2 through 5 HP).
- For severe low voltage or hard starting compressors.
- DO NOT USE on systems where the starting winding of the compressor is used for crankcase heat.

SPP5

- Increases starting torque up to 300%.
- Voltage: 120-230.
- Torque: 270 ounce inches.

SPP6

- Increases starting torque up to 500%.
- Voltage: 120-230.
- Torque: 390 ounce inches.

SPP7 Relay and Hard Start Capacitor

For compressors with PSC motors, from 1-1/2 to 10 HP. This solid state relay with starting capacitor develops more than ten times the original torque and will solve most hard starting problems that are due to low voltage or tight compressors. The Super Boost SPP-7 does not alter the system's original specifications and allows all of the unit's overload devices to operate freely.

SPP8 Super Boost Starter

- Increases starting torque up to 690%.
- Can be used on 120 through 288 Vac Units.
- Use for severe low voltage or hard starting compressors.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	94856	SPP5 RELAY & HARD START CAP	
1	EA	94857	SPP6 RELAY & HARD START CAP	
10	EA	94855	SPP7S RELAY & HARD START CAP	
1	EA	94867	SPP8(E) RELAY & HARD START CAP	

Capacitor Tester



- Gives the MFD value on start and run capacitors from 1 to 10,000 MFD.
- Uses four AA 1.5 volt batteries.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82469	MFD-10 CAPACITOR TESTER	

AG3000 Surge Protector



This 120/240 VAC, single split phase surge protection device is for dedicated electro mechanical HVAC devices like the following.

- Air Conditioners
- Air Handlers
- Motors
- Refrigeration Systems
- Heat Pumps
- Furnaces

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77657	AG3000 HVAC SURGE PROTECTOR	

CD1-024R Compressor Defender



The all-in-one Compressor Defender device protects compressors and circuit boards from brownouts, surges, and short-cycles.

- Surge, brownout, and short cycle protection with 120, 208, and 240 VAC loads
- LED indicators provide real-time status updates for quick and easy troubleshooting
- For use inside condensing units or externally on disconnects
- Complies with ANSI/AHRI Standard 110-2012 Range B2 for voltage drop protection
- Auto-sense voltage technology 120-240 VAC universal input voltage
- Meets ANSI/UL 1449 3rd edition requirements

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	77659	CD1-024R COMPRESSOR DEFENDER	

ICM 800 Series Rapid Start Hard Start Kits



ICM803

The ICM803 and ICM805 operate by monitoring the compressor current upon start-up. The rapid start is able to engage the hard start capacitor for precisely the correct amount of time, ensuring maximum starting torque without the risk of supplying too much current into the start winding. A timed safety circuit is provided in the event the motor fails to start within 600 ms. Current sensing Hard Start precisely increases starting torque.

Operating Range: 95 to 288 Vac.

Max. Input Voltage: 502 Vac.

- **ICM 803:** 1/2 to 3 HP
- **ICM 805:** 3 to 5 HP

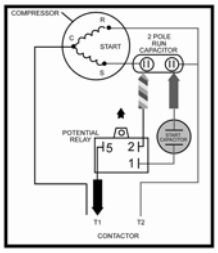
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76012	ICM803 1/2 TO 3 HP RAPID START-HARD START KIT	
1	EA	76013	ICM805 3-5 HP RAPID START-HARD START KIT	

Compressor Saver

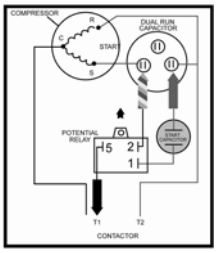


A 5-2-1 Compressor Saver® significantly reduces the amount of time your compressor is on high amp start-up. The 5-2-1 Compressor Saver® uses a powerful multi-layer starting capacitor and a smart switch to give your compressor the boost it needs to start up quickly, more reliably, and draw less power. It could add years to the life of a compressor and other electrical components associated with the A/C system as well as save money on power usage.

2 POLE RUN CAPACITOR



DUAL RUN CAPACITOR



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	94000	CSRU1 1-3 TON 88 -108MFD COMPRESSOR SAVER HARD START KIT		
25	EA	94001	CSRU2 3.5-5 TON 189-227MFD COMPRESSOR SAVER HARD START KIT		
1	EA	94002	CSRU3 4-5 TON 270-324MFD COMPRESSOR SAVER HARD START KIT		

Bleed Resistors



93007



93106

The bleed resistor is a very small, additional, low cost insurance against the possibility of expensive service calls to replace blown capacitors, and perhaps a compressor.

93007
- 15,000 ohm bleed resistor
- 2 watt (± 20%)
- For all start capacitors

93008
- 220,000 ohms bleed resistor
- 1 watt (± 20%)
- For Pyranol (run) capacitors

93106
- 15,000 ohm
- 2 watt
- With .25 in. female spade connectors
- For start capacitors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	94645	93007 15000 OHM BLEED RESISTOR	
1	EA	94646	93008 220000 OHM BLEED RESISTOR	
1	EA	94647	93106 QC-13 15K OHM BLEED RESISTOR	

Compressor and Condensing Unit



4 Cylinder

- Suitable for coupling and belt drive.
- Careful balancing of mechanical parts ensure minimal vibration and running noise.
- Highly efficient, robust valve plate design.
- Special oil return system ensures low oil migration.
- Easy maintenance.

Compressor

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92161	4T.2Q OPEN DRIVE COMPRESSOR	

Condensing Unit

1	EA	92164	QDTW7-4N10-B 134A 460 3PH CONDENSING UNIT	

Compressors



4 Cylinder



6 Cylinder

- Suitable for coupling and belt drive.
- Careful balancing of mechanical parts ensure minimal vibration and running noise.
- Highly efficient, robust valve plate design.
- Special oil return system ensures low oil migration.
- Easy maintenance.

Compressors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92150	2N.2Q OPEN DRIVE COMPRESSOR	
1	EA	92151	2N.2YQ OPEN DRIVE COMPRESSOR	
1	EA	92152	2T.2Q OPEN DRIVE COMPRESSOR	
1	EA	92153	2T.2YQ BSE55 OPEN DRIVE COMPRESSOR KIT	
1	EA	92154	4H.2Q OPEN DRIVE COMPRESSOR	
1	EA	92155	4H.2YQ OPEN DRIVE COMPRESSOR	
1	EA	92165	4N.2Q OPEN DRIVE COMPRESSOR	
1	EA	92160	4N.2YQ OPEN DRIVE COMPRESSOR	
1	EA	92162	4T.2YQ BSE55 OPEN DRIVE COMPRESSOR KIT	
1	EA	92159	6F.2YQ OPEN DRIVE COMPRESSOR	
1	EA	92157	6H.2YQ OPEN DRIVE COMPRESSOR	

Core Charge

1	EA	92166	$500 CORE CHARGE FOR BITZER EQUIPMENT	

Tecumseh Condensing Units

AEA	4				440	Y	AA	1A	
Comp. Family (Variant)	Application				Last two digits X 100 = BTU/H Capacity	Refrigerant	Voltage	Release Variant	
		Evap. Temp.	Rating Point	Motor Start Torque				Motor Type	Motor Efficiency
AE (A)	2 =	Low	-10°F	High	40 X 100	A = R-12	AA=115/60/1	1 = Induction Run	A = Standard
AJ (A)	3 =	High	+45°F	Normal	= 4,000 BTU/H	E = R-22	NA=208-230/60/1	2 = Optional Run Cap.	B = Medium
AK (A)	4 =	High	+45°F	High		Y = R-134a	XA=115/60/1; 100/50/1	3 = Cap. Start/Run	C = High
AW (A)	7 =	Med.	+20°F	High		Z = R-404A/R-507	XD=208-230/60/1; 200/50/1		
	9 =	Com.	+20°F	High					

AE Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92035	AE4430Y-AA1ASC 1/4 HP 1-115 3083 BTU R134A CONDENSING UNIT	
1	EA	91713	AE4440Y-AA1AGK 1/3 HP 1-115 4000 BTU R134 CONDENSING UNIT	
1	EA	92036	AE4440Y-AA1ASC 1/3 HP 1-115 3655 BTU R134A CONDENSING UNIT	
1	EA	92037	AE4440Y-AA1ASS 1/3 HP 1-115 3655 BTU R134A CONDENSING UNIT	
1	EA	92136	AE4450Y-AA1ADC 1/2 HP 1-115 4500 BTU R134A CONDENSING UNIT	

AEA Units

1	EA	92024	AEA2411ZXASC 1/4HP 1-115 1340 BTU R404A CONDENSING UNIT	
1	EA	91875	AEA3425AXAXA 1/5 HP 1-115 2375 BTU R12 CONDENSING UNIT	
1	EA	92033	AEA4430Y-AA1AGB 1/4 HP 1-115 2990 BTU R134A CONDENSING UNIT	
1	EA	92077	AEA4448YXASC 1/3 HP 1-115 4250 BTU R134A CONDENSING UNIT	

AJA Units

1	EA	92079	AJA4480YAADG 3/4 HP 1-115 7550 BTU R134A CONDENSING UNIT	
1	EA	92080	AJA4514YXDXW 1 HP 1-230/208 14000 BTU R134 CONDENSING UNIT	
1	EA	91771	AJA7480ZNADG 1 HP 230V 7940 BTU R404 CONDENSING UNIT	

AKA Units

1	EA	91843	AKA2430ZAADC 3/4 HP 115V 3000 BTU R404 CONDENSING UNIT	
1	EA	92078	AKA4457YAADG 1/2 HP 1-115 5665 BTU R134 CONDENSING UNIT	
1	EA	91856	AKA9430ZAADG 1/3 HP 115V 3091 BTU R404 CONDENSING UNIT	
1	EA	91997	AKA9435ENADG 1/3 HP 1-230/208 3510 R22 CONDENSING UNIT	
1	EA	91891	AKA9442ZAADG 1/2 HP 115V 4240 BTU R404 CONDENSING UNIT	
1	EA	91915	AKA9463ZNADG 3/4 HP 230V 6360 BTU R404 CONDENSING UNIT	

AWA Units

1	EA	91939	AWA2448ZXDXC 1 HP 230V R404 4838 BTU CONDENSING UNIT	
1	EA	92126	AWA2464ZXDXC 1-1/2 HP R404A 208-230 1 6450 BTU CONDENSING UNIT	
1	EA	91940	AWA7512ZXDXC 1 1/4 HP 230V 11934 BTU R404 CONDENSING UNIT	

Tecumseh Compressors—Refrigeration

High Temperature

Model	Bill of Materials	Motor Type	Rating (Btu/h)	Suction	Discharge	Refrigerant	HP	Starting Torque	Weight (Lbs.)
AJA4461AXA	AJ311AT-141-J7	CSIR	6,100	1/2 SAE RL	5/16 ODF	R-12	1/2	High	50
AE4440A-AA1A	AE1252E-215-J7	CSIR	4,000	3/8 SAE	1/4 ODF	R-12	1/3	High	25
AE4430A-AA1A	AE1254E-215-J7	CSIR	3,000	3/8 SAE	1/4 ODF	R-12	1/4	High	24
AE4440A-AA	AE1250E-212-J7	CSIR	4,000	5/16 ODF	1/4 ODF	R-12	1/3	High	25
AJA4492AXA	AJ100AT-193-J7	CSIR	9,150	5/8 SAE RL	5/16 ODF	R-12	3/4	High	48
AJA4492AXD	AJ100GT-193-J7	CSIR	9,150	5/8 SAE RL	5/16 ODF	R-12	3/4	High	49
AJA4512AXD	AJ131GT-193-J7	CSR	12,300	5/8 SAE RL	5/16 ODF	R-12	1	High	49
AHA4518AXD	AH110FF-509-J7	CSR	18,000	7/8 ODF RL	3/8 ODF	R-12	1-1/2	High	73
AHA4525AXD	AH300FF-510-J7	CSR	26,250	7/8 ODF RL	3/8 ODF	R-12	2	High	77
AEA4448AXA	AE256AL-663-J7	CSIR	4,800	3/8 SAE	1/4 ODF	R-12	1/3	High	27
AEA3417YXA	AE520AT-166-J7	RSIR	1,800	1/4 ODF	3/16 ODF	R-134a	1/5	Low	22
AKA5510EXA	AK100AT-004-J7	PSC	10,000	3/8 ODF	1/4 ODF	R-22	1	Normal	38
AKA5510EXD	AK100ET-004-J7	PSC	10,000	5/16 ODF	1/4 ODF	R-22	1	Low	39
AJA5519EXD	AJ220FT-206-J7	PSC	19,300	1/2 ODF	5/16 ODF	R-22	1-1/2	Normal	50

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	91828	AJA4461AXA 1/2 HP 1-115 HIGH TEMP 6100 BTU R12 COMPRESSOR	
1	EA	91826	AE4440A-AA1A 1/3 HP HIGH TEMP 4000 BTU R12 COMPRESSOR	
1	EA	91908	AE4430A-AA1A 1/4 HP 1-115 HIGH TEMP 3000 BTU R12 COMPRESSOR	
1	EA	91909	AE4440A-AA1A 1/3 HP 115-1 HIGH TEMP 4000 BTU R12 COMPRESSOR	
1	EA	91830	AJA4492AXA 3/4 HP 1-115 HIGH TEMP 9150 BTU R12 COMPRESSOR	
1	EA	91831	AJA4492AXD 3/4 HP 1-230 HIGH TEMP 9150 BTU R12 COMPRESSOR	
1	EA	91832	AJA4512AXD 1 HP 1-230 HIGH TEMP 12300 BTU R12 COMPRESSOR	
1	EA	91833	AHA4518AXD 1 1/2 HP 1-230 HIGH TEMP 18000 BTU R12 COMPRESSOR	
1	EA	91835	AHA4525AXD 2 HP 1-230 HIGH TEMP 26250 BTU R12 COMPRESSOR	
1	EA	92074	AEA4448AXA 1/3 HP 1-115 HIGH TEMP 4800 BTU R12 COMPRESSOR	
1	EA	92013	AEA3417YXA 1/5 HP 1-115 HIGH TEMP 1800 BTU R134A COMPRESSOR	
1	EA	91758	AKA5510EXA 1 HP 1-115 HIGH TEMP 10000 BTU R22 COMPRESSOR	
1	EA	91759	AKA5510EXD 1 HP 1-230 HIGH TEMP 10000 BTU R22 COMPRESSOR	
1	EA	91766	AJA5519EXD 1 1/2 HP 1-230 HIGH TEMP 19300 BTU R22 COMPRESSOR	

Compressors—Refrigeration
Commercial / High Temperature

Model	Bill of Materials	Motor Type	Rating (Btu/h)	Suction	Discharge	Refrigerant	HP	Starting Torque	Weight (Lbs.)
AKA4476YXA	AK169AT-038-J7	CSIR	7,680	1/2 SAE RL	1/4 ODF	R-134a	1/2	High	48
AKA4460YXA	AK168AT-032-J7	CSIR	6,300	3/8 ODF	1/4 ODF	R-134a	1/2	High	41
AE4440Y-AA1A	AE1200E-215-J7	CSIR	4,350	3/8 SAE	1/4 ODF	R-134a	1/3	High	22
AE4430Y-AA1A	AE1199E-215-J7	CSIR	3,400	3/8 SAE	1/4 ODF	R-134a	1/4	High	22
AE4440Y-AA1A	AE1200E-215-J7	CSIR	4,350	3/8 SAE	1/4 ODF	R-134a	1/3	High	22
AE3430Y-AA1A	AE1153E-212-J7	RSIR	3,400	5/16 ODF	1/4 ODF	R-134a	1/4	Normal	24
AE3425A-AA1A	AE1253E-212-J7	RSIR	2,500	5/16 ODF	1/4 ODF	R-12	1/4	Low	20
AE4450Y-AA1A	AE1154E-209-J7	CSIR	5,450	5/16 ODF	1/4 ODF	R-134a	1/2	High	26
AE3425Y-AA1A	AE1004E-212-J7	RSIR	2,800	5/16 ODF	1/4 ODF	R-134a	1/4	Normal	24
AE4440Y-AA1A	AE1022E-212-J7	CSIR	4,350	5/16 ODF	1/4 ODF	R-134a	1/3	High	22
AJA4512YXD	AJ137ET-193-J7	CSR	12,100	5/8 SAE RL	5/16 ODF	R-134a	1	High	50
AE4430Z-AA1A	AE1167E-212-J7	CSIR	3,450	5/16 ODF	1/4 ODF	R-404A	1/4	High	22
AE4440Z-AA1A	AE1168E-209-J7	CSIR	4,350	5/16 ODF	1/4 ODF	R-404A	1/3	High	25
AE4430E-DS1A	AE1320-212-J7	CSIR	3,200	5/16 ODF	1/4 ODF	R-22	1/5	High	23
AE4450E-DS1B	AE1363-209-J7	CSIR	5,100	5/16 ODF	1/4 ODF	R-22	1/4	N/A	25

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	91855	AKA4476YXA 3/4 HP 115V HIGH/COMM 7680 BTU R134A COMPRESSOR	
1	EA	92075	AKA4460YXA 1/2 HP 1-115 HIGH/COMM 6300 BTU R134A COMPRESSOR	
1	EA	91917	AE630ARYXA 1/3 HP R-134A COMPRESSOR SWEAT CONN	
1	EA	92014	AEA4430Y-AA1A 1/4 HP 1-115 HIGH/COMM 3400 BTU R134A COMPRESSOR	
1	EA	92015	AE4440Y-AA1A 1/3 HP 1-115 HIGH/COMM 4350 BTU R134A COMP W/ VALVE	
1	EA	91711	AE3430Y-AA1A 1/4 HP 1-115 HI/COM 3400 BTU R134 COMPRESSOR	
1	EA	91824	AE3425A-AA1A 1/4 HP 1-115 HIGH TEMP 2500 BTU R12 COMPRESSOR	
1	EA	91808	AE4450Y-AA1A 1/2 HP 1-115 HIGH/COMM 5450 BTU R134A COMPRESSOR	
1	EA	92054	AE3425Y-AA1A 1/4 HP 1-115 HIGH/COMP 2800 BTU R134A COMPRESSOR	
1	EA	92084	AE4440Y-AA1A 1/3 HP 115-1 HIGH/COMM 4350 BTU 134A COMP SWEAT	
1	EA	92100	AJA4512YXD 1 HP 1-230 HIGH/COMM 12100 BTU R134A COMPRESSOR	
1	EA	91712	AE4430Z-AA1A 1/4 HP 1-115 HIGH/COMM 3450 BTU R404A COMPRESSOR	
1	EA	91714	AE4440Z-AA1A 1/3 HP 1-115 HIGH/COMM 4350 BTU R404A COMPRESSOR	
1	EA	92076	AE4430E-DS1A 1/5 HP 1-115 COMM TEMP 3200 BTU R22 COMPRESSOR	
1	EA	91740	AE4450E-DS1B 1/4 HP 1-115 COMM TEMP 5100 BTU R22 COMPRESSOR	

Compressors—Refrigeration
Commercial / Medium Temperature

Model	Bill of Materials	Motor Type	Rating (Btu/h)	Suction	Discharge	Refrigerant	HP	Starting Torque	Weight (Lbs.)
AZA0370YXA	AZ430CR-235-J7JP	RSIR	700	5/16 ODF	3/16 ODF	R-134a	1/12	Normal	18
AZA0395YXA	AZ440CR-236-J7JP	CSIR	950	5/16 ODF	3/16 ODF	R-134a	1/8	High	19
TPA9421YXA	TP119AR-021-J7LO	CSIR	2,100	5/16 ODF	1/4 ODF	R-134a	1/4	High	25
AJA7461YXA	AJ250AT-188-J7	CSR	6,110	5/8 SAE RL	5/16 ODF	R-134a	3/4	High	54

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	91941	AZA0370YXA 1/5 HP 115V COMM/MED 700 BTU R134A COMPRESSOR	
1	EA	91942	AZA0395YXA 1/5 HP 115V COMM/MED 950 BTU R134A COMPRESSOR	
1	EA	91943	TPA9421YXA 1/4 HP 115V COMM/MED 2100 BTU R134A COMPRESSOR	
1	EA	91770	AJA7461YXA 3/4 HP 1-115 COMM TEMP 6110 BTU R134A COMPRESSOR	

Tecumseh Compressors—Refrigeration

Commercial

Model	Bill of Materials	Motor Type	Rating (Btu/h)	Suction	Discharge	Refrigerant	HP	Starting Torque	Weight (Lbs.)
AEA9415EXA	AE162AT-907-J7	CSIR	1,530	5/16 ODF	1/4 ODF	R-22	1/5	HIgh	24
AEA9422EXA	AE172AT-900-J7	CSIR	2,400	5/16ODF	1/4 ODF	R-22	1/4	HIgh	25
AJA9484EXD	AJ801ET-418-J7	CSR	8,400	1/2 ODF	5/16 ODF	R-22	1	HIgh	54
AKA9442EXA	AK165AT-038-J7	CSIR	4,200	1/2 SAE	1/4 ODF	R-22	1/2	HIgh	40
AKA9455EXD	AK167ET-038-J7	CSR	5,500	1/2 SAE	1/4 ODF	R-22	3/4	HIgh	43
AKA9428EXA	AK164AT-038-J7	CSIR	2,800	1/2 SAE	1/4 ODF	R-22	1/3	HIgh	40
AKA9442EXD	AK165ET-038-J7	CSR	4,200	1/2 SAE	1/4 ODF	R-22	1/2	HIgh	43
AKA9462EXD	AK166ET-038-J7	CSR	6,200	1/2 SAE	1/4 ODF	R-22	3/4	HIgh	43
THA0410YXA	TH750AR-340-J7HV	RSIR	1,050	5/16 ODF	1/4 ODF	R-134a	1/5	Low	15
AKA9438ZXA	AK175AT-038-J7	CSIR	3,750	1/2 SAE RL	1/4 ODF	R-404A/ R-507	1/2	HIgh	55
AKA9455ZXA	AK171AT-038-J7	CSR	5,450	1/2 SAE RL	1/4 ODF	R-404A / R-507	3/4	HIgh	41
AKA9462ZXA	AK172AT-038-J7	CSR	6,250	1/2 SAE RL	1/4 ODF	R-404A / R-507	3/4	HIgh	43

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92002	AEA9415EXA 1/5 HP 1-115 COMM TEMP 1500 BTU R22 COMPRESSOR	
1	EA	92039	AEA9422EXA 1/4 HP 1-115 COMM TEMP 2400 BTU R22 COMPRESSOR	
1	EA	91857	AJA9484EXD 1 HP R22 230-1 COMM TEMP 8400 BTU COMPRESSOR	
1	EA	91890	AKA9442EXA 1/2 HP 115V COMM TEMP 4200 BTU R22 COMPRESSOR	
1	EA	91898	AKA9455EXD 3/4 HP 230V COMM TEMP 5500 BTU R22 COMPRESSOR	
1	EA	92003	AKA9428EXA 1/3 HP 1-115 COMM TEMP 2800 BTU R22 COMPRESSOR	
1	EA	92006	AKA9442EXD 1/2 HP 1-230 COMM TEMP 4200 BTU R22 COMPRESSOR	
1	EA	92008	AKA9462EXD 3/4HP 230-1 COMM TEMP 6200 BTU R22 COMPRESSOR	
1	EA	92101	THA0410YXA 1/5 HP 1-115 COMM TEMP 1050 BTU R134A COMPRESSOR	
1	EA	91869	AKA9438ZXA 1/2 HP 115V COMM TEMP 3750 BTU R404A COMPRESSOR	
1	EA	91906	AKA9455ZXA 3/4 HP 115V COMM TEMP 5450 BTU R404A COMPRESSOR	
1	EA	91907	AKA9462ZXA 3/4 HP 115V COMM TEMP 6250 BTU R404A COMPRESSOR	

Tecumseh Compressors—Refrigeration

Medium Temperature

Model	Bill of Materials	Motor Type	Rating (Btu/h)	Suction	Discharge	Refrigerant	HP	Starting Torque	Weight (lbs.)
AJA7441AXA	AJ530AT-336-J7	CSIR	4,400	1/2 SAE RL	5/16 ODF	R-12	1/2	H	48
AKA9434AXA	AK159AT-038-J7	CSIR	3,350	1/2 SAE RL	1/4 ODF	R-12	1/2	H	42
AHA7514AXF	AH334RF-510-J7	3 PH	18,000	7/8 ODF RL	3/8 ODF	R-12	2-1/4	3 PH	71
AKA9441AXA	AK163AT-038-J7	CSIR	4,100	1/2 SAE RL	1/4 ODF	R-12	1/2	H	43
AHA7480AXD	AH160FF-509-J7	CSR	8,000	5/8 ODF RL	3/8 ODF	R-12	1	H	71
AJA7465AXA	AJ201AT-188-J7	CSR	6,650	5/8 SAE RL	5/16 ODF	R-12	3/4	H	52
AJB7465AXD	AJ201GT-188-J7	CSIR	6,650	5/8 SAE RL	5/16 ODF	R-12	3/4	H	52
AJA7494ZXD	AJ202ET-188-J7	CSR	9,350	5/8 SAE RL	5/16 ODF	R-404A/ R-507	1	H	54

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	91809	AJA7441AXA 1/2 HP 1-115 MED TEMP 4400 BTU R12 COMPRESSOR	
1	EA	91868	AKA9434AXA 1/2 HP 115V MED TEMP 3350 BTU R12 COMPRESSOR	
1	EA	91818	AHA7514AXF 2 1/4 HP 3-230 MED TEMP 18000 BTU R12 COMPRESSOR	
1	EA	91904	AKA9441AXA 1/2 HP 1-115 MED TEMP 4100 BTU R12 COMPRESSOR	
1	EA	91813	AHA7480AXD 1 HP 1-230 MED TEMP 8000 BTU R12 COMP	
1	EA	91811	AJA7465AXA 3/4 HP 1-115 MED TEMP 6650 BTU R12 COMPRESSOR	
1	EA	91812	AJB7465AXD 3/4 HP 1-230 MED TEMP 6650 BTU R12 SWEAT COMPRESSOR	
1	EA	91773	AJA7494ZXD 1 HP 230V MED TEMP 9350 BTU R404A COMPRESSOR	

Tecumseh Compressors—Refrigeration

Low Temperature

Model	Bill of Materials	Motor Type	Rating (Btu/h)	Suction	Discharge	Refrigerant	HP	Starting Torque	Weight (Lbs.)
AEA1336AXA	AE120AT-014-J7	RSIR	375	1/4 ODF	3/16 ODF	R-12	1/5	Low	20
AJA2425AXA	AJ601AT-336-J7	CSIR	2,200	1/2 SAE RL	5/16 ODF	R-12	1/2	High	50
AE2410Y-AA1A	AE1156E-679-J7	CSIR	950	5/16 ODF	1/4 ODF	R-134a	1/4	High	22
AHA2445AXD	AH410EF-509-J7	CSIR	4,400	5/8 ODF RL	3/8 ODF	R-12	1	High	73
AHA2466AXD	AH500EF-510-J7	CSR	6,600	7/8 ODF RL	3/8 ODF	R-12	1-1/2	High	80
AEA2415AAB	AE334AT-663-J7	CSIR	1,525	3/8 SAE	1/4 ODF	R-12	1/3	High	27
AE2413A-AA1B	AE1317E-219-J7	CSIR	1,300	3/8 SAE	1/4 ODF	R-12	1/3	High	22
AHA2466AXF	AH500RF-510-J7	3 PH	6,600	7/8 ODF RL	3/8 ODF	R-12	1-1/2	3 PH	73
AEA1360YXA	AE810AT-166-J7	RSIR	640	1/4 ODF	3/16 ODF	R-134a	1/5	Low	25
THA1358YXA	TH130AR-340-J7	CSIR	600	5/16 ODF	1/4 ODF	R-134a	1/5	Low	18
AJA2419YXA	AJ135AT-336-J7	CSR	1,860	1/2 SAE RL	5/16 ODF	R-134a	1/2	High	53
AE2410Y-AA1A	AE1156E-679-J7	CSIR	950	5/16 ODF	1/4 ODF	R-134a	1/4	High	22
AE2413Y-AA1B	AE1240E-679-J7	CSIR	1,300	5/16 ODF	1/4 ODF	R-134a	1/3	High	22
AJA2419ZXA	AJ303AT-336-J7	CSR	1,865	1/2 SAE RL	5/16 ODF	R-404A / R-507	1/2	High	54
AJA2425ZXA	AJ532AT-336-J7	CSR	2,450	1/2 SAE RL	5/16 ODF	R-404A / R-507	1/2	High	55
AJB2433ZXA	AJ604AF-436-J7	CSR	3,410	3/8 ODF	5/16 ODF	R-404A / R-507	1	High	56
AJB2433ZXD	AJ604EF-436-J7	CSR	3,330	3/8 ODF	5/16 ODF	R-404A / R-507	1	High	52
AE2410Z-AA1A	AE1126E-106-J7	CSIR	1,050	5/16 ODF	1/4 ODF	R-404A / R-507	1/4	High	22
AE2415Z-AA1A	AE1157E-679-J7	CSIR	1,600	5/16 ODF	1/4 ODF	R-404A / R-507	1/3	High	22
AWA2460ZXD	AW613ET-099-J7	CSR	6,300	5/8 ODF	3/8 ODF	R-404A / R-507	1-1/2	High	83
AWA2440ZXD	AW610ET-111-J7	CSR	3,775	5/8 ODF RL	3/8 ODF	R-404A / R-507	1	High	71
AVA2490ZXT	AV195RT-037-J7	3 PH	9,100	7/8 ODF	1/2 ODF	R-404A / R-507	2	3 PH	79
AVA2490ZXN	AV195ET-037-J7	CSR	9,500	7/8 ODF	1/2 ODF	R-404A / R-507	2	High	95

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	91728	AEA1336AXA 1/5 HP 1-115 LOW TEMP 375 BTU R12 COMPRESSOR	
1	EA	91793	AJA2425AXA 1/2 HP 1-115 LOW TEMP 2200 BTU R12 COMPRESSOR	
1	EA	91708	AE2410Y-AA1A 1/4 HP 1-115 950 BTU R134 COMPRESSOR	
1	EA	91796	AHA2445AXD 1 HP 1-230 LOW TEMP 4400 BTU R12 COMPRESSOR	
1	EA	91798	AHA2466AXD 1 1/2 HP 1-230 LOW TEMP 6600 BTU R12 COMPRESS0R	
1	EA	91790	AEA2415AAB 1/3 HP 1-115 LOW TEMP 1525 BTU R12 COMPRESSOR	
1	EA	92096	AE2413A-AA1B 1/3 HP 1-115 LOW TEMP 1700 BTU R12 COMPRESSOR	
1	EA	91799	AHA2466AXF 1 1/2 HP 3-230 LOW TEMP 6600 BTU R12 COMPRESSOR	
1	EA	91784	AEA1360YXA 1/5 HP 1-115 LOW TEMP 640 BTU R134 COMPRESSOR	
1	EA	91733	THA1358YXA 1/5 HP 1-115 LOW TEMP 580 BTU R134 COMPRESSOR	
1	EA	91718	AJA2419YXA 1/2 HP 1-115 LOW TEMP 1860 BTU R134A COMPRESSOR	
1	EA	91845	AE2410Y-AA1A 1/4 HP 1-115 LOW TEMP 950 BTU R134 COMPRESSOR	
1	EA	92053	AE2413Y-AA1B 1/3 HP 1-115 LOW TEMP 1300 BTU R134A COMPRESSOR	
1	EA	91719	AJA2419ZXA 1/2 HP 1-115 LOW TEMP 1865 BTU R404A COMPRESSOR	
1	EA	91768	AJA2425ZXA 1/2 HP 1-115 LOW TEMP 2450 BTU R404 COMPRESSOR	
1	EA	91774	AJB2433ZXA 1 HP 115V LOW TEMP 3410 BTU R404A COMPRESSOR	
1	EA	91803	AJB2433ZXD 1 HP 230V LOW TEMP 3330 BTU R404A COMPRESSOR	
1	EA	92017	AE2410Z-AA1A 1/4 HP 1-115 LOW TEMP 1050 BTU R404A COMPRESSOR	
1	EA	92018	AE2415Z-AA1A 1/3 HP 1-115 LOW TEMP 1600 BTU R404A COMPRESSOR	
1	EA	92049	AWA2460ZXD 1-1/2 230-1 LOW TEMP 6300 BTU R404A COMPRESSOR	
1	EA	91934	AWA2440ZXD 1 HP 230V LOW TEMP 3775 BTU R404A COMPRESSOR	
1	EA	91933	AVA2490ZXT 2 HP 230V LOW TEMP 9100 BTU R404 COMPRESSOR	
1	EA	92051	AVA2490ZXN 2HP 230-1 LOW TEMP 9500 BTU R404A COMPRESSOR	

Tecumseh Parts

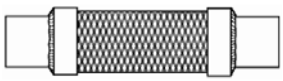
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	91962	30334 ROTO LOCK VALVE GSKT 0.5635 OD	
1	EA	91963	K32-3 1/2" SAE FLARE ROTOLOCK FITTING SERVICE VALVE KIT	
1	EA	92105	51533-3 FAN BLADE	
1	EA	92106	51561-1 FAN BLADE	
1	EA	99788	K71-01 RELAY KIT	
1	EA	99789	K71-02 RELAY KIT	
1	EA	99790	K71-06 RELAY KIT	
1	EA	99791	K71-08 RELAY KIT	
1	EA	99792	K71-09 RELAY KIT	
1	EA	99793	K71-10 RELAY KIT	
1	EA	99794	K71-11 RELAY KIT	
1	EA	99800	K71-13 RELAY KIT	
1	EA	99801	K71-16 RELAY KIT	
1	EA	99802	K71-17 RELAY KIT	
1	EA	99803	K71-18 RELAY KIT	
1	EA	99804	K71-19 RELAY KIT	
1	EA	99805	K71-20 RELAY KIT	
1	EA	99806	K71-36 RELAY KIT	
1	EA	99820	K90-10 OVERLOAD KIT	
1	EA	99823	K90-11 OVERLOAD KIT	
1	EA	99853	K90-12 OVERLOAD KIT	
1	EA	99862	K90-13 OVERLOAD KIT	
1	EA	99863	K90-14 OVERLOAD KIT	
1	EA	99864	K90-15 OVERLOAD KIT	
1	EA	99865	K90-16 OVERLOAD KIT	
1	EA	99866	K90-18 OVERLOAD KIT	
1	EA	99867	K90-19 OVERLOAD KIT	
1	EA	99868	K90-21 OVERLOAD KIT	
1	EA	99869	K90-24 OVERLOAD KIT	
1	EA	99870	K90-27 OVERLOAD KIT	
1	EA	99872	K90-34 OVERLOAD KIT	
1	EA	99873	K90-35 OVERLOAD KIT	
1	EA	99874	K90-38 OVERLOAD KIT	
1	EA	99875	K90-54 OVERLOAD KIT	
1	EA	99876	K90-55 OVERLOAD KIT	
1	EA	99877	K90-56 OVERLOAD KIT	
1	EA	99878	K90-57 OVERLOAD KIT	
1	EA	99880	K90-59 OVERLOAD KIT	
1	EA	99881	K90-60 OVERLOAD KIT	
1	EA	99882	K146-21 145-175 CAPACITOR	
1	EA	99983	51563 FAN BLADE	
1	EA	99984	51564-1 FAN BLADE	
1	EA	99985	16W115 FAN MOTOR	
1	EA	99986	6W115 FAN MOTOR	
1	EA	99987	810E037A84 FAN MOTOR	
1	EA	99988	810E050A85 FAN MOTOR	
1	EA	99989	810E186A82 1/4 HP FAN MOTOR	
1	EA	99990	9W115 FAN MOTOR	

4 Year Extended Warranties

For Compressors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	91688	NO GWB EXT WARR PURCHASED	
1	EA	90456	4YR LTD WARR	
1	EA	90457	4 YR LTD WARR	
1	EA	90458	4 YR LTD WARR	
1	EA	90459	4 YR LTD WARR	
1	EA	90460	4 YR LTD WARR	
1	EA	90461	4 YR LTD WARR	
1	EA	90462	4 YR LTD WARR	
1	EA	90463	4 YR LTD WARR	
1	EA	90464	4 YR LTD WARR	
1	EA	90465	4 YR LTD WARR	
1	EA	90467	4 YR LTD WARR	
1	EA	90469	4 YR LTD WARR	
1	EA	90470	4 YR LTD WARR	
1	EA	90471	4 YR LTD WARR	
1	EA	90472	4 YR LTD WARR	
1	EA	90473	4 YR LTD WARR	
1	EA	90474	4 YR LTD WARR	
1	EA	90475	4 YR LTD WARR	
1	EA	90476	4 YR LTD WARR	
1	EA	91679	4 YR LTD WARR	
1	EA	91680	4 YR LTD WARR	
1	EA	91682	4 YR LTD WARR	
1	EA	91685	4 YR LTD WARR	
1	EA	91686	4 YR LTD WARR	
1	EA	91687	4 YR LTD WARR	
1	EA	91690	4 YR LTD WARR	
1	EA	91691	4 YR LTD WARR	
1	EA	91692	4 YR LTD WARR	
1	EA	91693	4 YR LTD WARR	
1	EA	91694	4 YR LTD WARR	
1	EA	91695	4 YR LTD WARR	
1	EA	91696	4 YR LTD WARR	
1	EA	91697	4 YR LTD WARR	

MA-LINE MONTI AND ASSOCIATES, INC. Vibration Absorbers

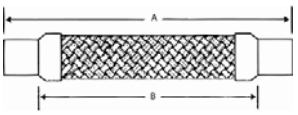


Catalog Number	Metal Hose Inside Dia. (In.)	For Copper Tube Outside Dia. (In.)	Overall Length (In.)	P.S.I. Working Pressure *
5252FS/OFV2500	2-1/2	2-5/8	24	340

* Maximum test pressure 1-1/2 times the operating pressure shown in the specification chart. Minimum burst pressure 5 times the operating pressure shown in the specification chart

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95347	5252FS/OFV2500 2 5/8 VIBRATION ABSORBER	

Vibration Absorbers



Model Number	Fitting Size Inches	Dimension "A"		Dimension "B"		Max. Working Pressure		Application
		Inches	mm	Inches	mm	Psig	bar	
VAB-4SS	1/2	9	228.6	7-1/2	190.5	525	36.2	High and

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95932	VAB4SS 1/2IN ODF VIBRATION ABSORBER	—

ENERGY SAVING PRODUCTS

Vibration Absorbers

- Reduce vibration and noise
- Extend compressor life
- Allow for horizontal or vertical movement
- Reduce wear on bearings



Model No.	O.D. (In.)	I.D. (In.)	Overall Length (In.)	Max. Working Pressure @ 70°F (PSIG)
VAB4	1/2	3/8	9	450
VAB5	5/8	1/2	9-3/4	450
VAB6	3/4	1/2	10	450
VAB8	7/8	3/4	11-1/2	440
VAB9	1-1/8	1	13	400
VAB10	1-3/8	1-1/4	14-3/4	400

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76868	VAB4 1/2IN OD VIBRATION ABSORBER STAINLESS STEEL	—
1	EA	76869	VAB5 5/8IN OD VIBRATION ABSORBER STAINLESS STEEL	—
1	EA	76864	VAB6 3/4IN OD VIBRATION ABSORBER STAINLESS STEEL	—
1	EA	76862	VAB8 7/8IN OD VIBRATION ABSORBER STAINLESS STEEL	—
1	EA	76863	VAB9 1 1/8IN OD VIBRATION ABSORBER STAINLESS STEEL	—
1	EA	76865	VAB10 1 3/8IN OD VIBRATION ABSORBER STAINLESS STEEL	—

ENERGY SAVING PRODUCTS

Finny's Gasket Book

This array of 40 different gaskets replaces most common gaskets used today in expansion and solenoid valves and pumps. This fine gasket material Garlock replaces old gaskets on Sporlan, Penn, Alco, Jackes Evans, Parker, Mueller, Hamilton Pax, Henry and Primore.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92710	GB10 FINNY`S GASKET BOOK	—

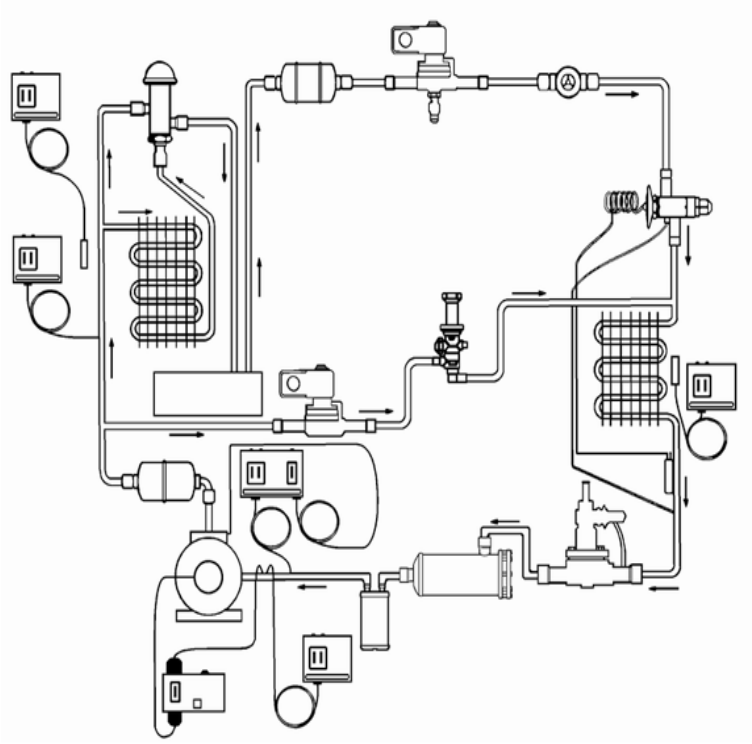
Vibration Absorbers

- 100% Copper connections
- Hose and copper braze welded
- Each unit dehydrated and vacuum tested
- Unites individually packaged in ploy bags and corrugate boxes
- UL, cUL, and CE



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76301	52333 3/4IN VIBRATION ABSORBER	—
1	EA	76302	52334 7/8IN VIBRATION ABSORBER	—
1	EA	76303	52335 1 1/8IN VIBRATION ASORBER	—
1	EA	76304	52336 1 3/8IN VIBRATION ABSORBER	—

White-Rodgers Valves, Controls, and System Protectors



Note: Although not all Emerson Valves, Controls, and System Protectors are shown on the following pages, the entire line is available—ask your Berkheimer representative for details.

For extended capacities consult your complete Emerson Valves, Controls, and System Protectors catalog or ask your Berkheimer representative for details.

White-Rodgers Superheat Information

Bath Temperature	Code Letter
+32° F	A
+10° F	B
0° F	C
-10° F	D
-20° F	F

Factory Superheat Setting

Unless otherwise specified, all valves will be preset at the factory at a bath temperature which is predetermined by the charge symbol and/or the MOP rating.

The bath temperature at which the valve superheat has been set is coded alphabetically in the superheat block on the valve nameplate, as shown in the table. Thus a valve with "10A" stamped in the nameplate superheat block has been set for 10° F static superheat with a 32° F bath. In like manner, a valve stamped "10C" has been set for 10° F static superheat with a 0° F bath.

How to Determine Superheat

1. Determine suction pressure with accurate gauge at evaporator outlet. On close coupled installations, suction pressure may be read at a compressor suction connection.
2. From pressure-temperature tables, determine saturation temperature at observed suction pressure.
3. Measure temperature of suction gas at thermo valve remote bulb location.
4. Subtract staturation temperature read from tables in "Step 2" from temperature measured in "Step 3". Difference is superheat of suction gas

White-Rodgers AAE Expansion Valves



"A" Series Thermo Expansion Valves are used for heat pump, air conditioning, food service, and commercial applications. "A" Series valves provide stable and accurate control over a wide range of operating conditions.

- Hermetic construction eliminates external leakage
- Compact size allows installation in limited spaces
- Mass spectrometer tested to ensure less than 0.10 oz/year external leakage rate
- Stainless steel power element eliminates corrosion and prevents valve failure
- Maximum working pressure: 700 psig
- UL Recognized: SA5312

Nomenclature Example: AACEB 2 HC 30 IN 3/8 x 1/2 ODF ANG

A	A	C	E	B	2	H	C	30 IN	3/8 x 1/2		ODF	ANG
Valve Series	Superheat Adjustment	Internal Check Valve	Equalizer	Bleed Hole (Optional)	Capacity	Refrigerant Code	Charge Code	Capillary Tube Length	Inlet Connection Sizes	Outlet Connection Sizes	Connection Type	Configuration
	A=Adjustable N=Non-adjustable	(optional) Reverse flow bypass application	E= External (Omit for Internal)	Omit for no bleed hole	Nominal Rating in Tons	F=R-12 H=R-22 M=R-134a N=R-407C P=R-507 R=R-502 S=R-404A Z=R-410A	C=medium temp CA=heat pump (MOP)= press limiting Z=low temp AA=wide range	30 IN (std) other lengths are available	1/4 3/8 1/2 5/8	3/8 1/2 5/8 7/8	SAE= Flare ODF=solder	S/T=straight thru ANG= 90° angle

AAE HAA Range Expansion Valves for R-22

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92600	AAE 2 1/2 HAA 3/8 X 1/2 ODF EXP VLV	
1	EA	92601	AAE 5 HAA 3/8 X 1/2 ODF EXP VLV	

AAE ZW Expansion Valves for R-410A Air Conditioning Applications

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	92602	AAE 3 ZW 195 3/8 X 3/8 ODF S/T R410A WIDE RANGE A/C TXV		
1	EA	92603	AAE 5 ZW 195 1/2 X 5/8 ODF S/T R410A WIDE RANGE A/C TXV		

AAE SZ Expansion Valves for R-404A

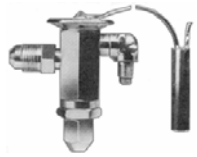
1	EA	92605	AAE 1/2 SZ 3/8 X 1/2 ODF S/T R404A EXPANSION VALVE		
1	EA	92606	AAE 1 SZ 3/8 X 1/2 ODF S/T R404A EXPANSION VALVE		
1	EA	92608	AAE 2 SZ 3/8 X 1/2 ODF S/T R404A EXPANSION VALVE		

AAE SW45 Expansion Valves for R-404A

1	EA	92609	AAE 1/2 SW45 3/8 X 1/2 ODF S/T R404A EXPANSION VALVE		
1	EA	92611	AAE 1-1/2 SW45 3/8 X 1/2 ODF S/T R404A EXPANSION VALVE		
1	EA	92612	AAE 2 SW45 3/8 X 1/2 ODF S/T R404A EXPANSION VALVE		

White-Rodgers AFA Series Expansion Valves

With Internal Equalizers



The AFA is ideal for applications requiring compact size combined with stable accurate control over wide load and evaporator temperature ranges. Designed for use in icemakers, salad bars, reach-in coolers. Direct replacement for Sporlan F Series valves.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92447	AFA 1/4FC 1/4X3/8-1/2 FOOD SERVICE VLV	
1	EA	92448	AFA 1/2FC 1/4X3/8-1/2 FOOD SERVICE VLV	

White-Rodgers TXV Connect Kits



- ODF TXVs with Chatleff and Aeroquip adapters
- One valve to fit all systems
- For R-410A and R-22 applications*
- TXV with internal check, bulb strap, and connection options all in one box
- Max. working pressure: 700 PSIG
- Easy field replacement of fixed orifice for increased efficiency

* For extended capacity tables refer to NXT Series for R-410A applications and A Series for R-22 applications.

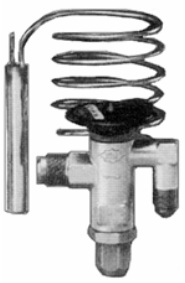
R-22 Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	94707	066657 TXV+CONNECT 1.5-3T R-22 W/CHATLEFF & AEROQUIP ADAPTERS	
12	EA	94708	066658 TXV+CONNECT 3-5T R-22 W/CHATLEFF & AEROQUIP ADAPTERS	

R-410A Kits

12	EA	94709	066660 TXV+CONNECT 1.5T R-410A W/CHATLEFF & AEROQUIP ADAPTERS	
12	EA	94710	066661 TXV+CONNECT 2T R-410A W/CHATLEFF & AEROQUIP ADAPTERS	
12	EA	94711	066662 TXV+CONNECT 3T R-410A W/CHATLEFF & AEROQUIP ADAPTERS	
12	EA	94712	066663 TXV+CONNECT 4T R-410A W/CHATLEFF & AEROQUIP ADAPTERS	
12	EA	94713	066664 TXV+CONNECT 5T R-410A W/CHATLEFF & AEROQUIP ADAPTERS	

White-Rodgers Super HF Series Balanced Port Expansion Valves



HF Nomenclature

HF	E	S	C	2	H	C
Valve Series	**Equalizer** *(Omit for Internal)*	**Connection Type** *(Omit for SAE)*	**Removable Strainer** *(Optional)*	**Capacity**	**Refrigerant Code**	**Charge Code**
	E=External N=Non-adjustable	S=Solder	ODF only	Nominal Rating in Tons	F=R-12 H=R-22 M=R-134a P=R-507 R=R-502 S=R-404A	C=med temp Z=low temp W=Maximum Operation Pressure

Features

Super HF thermostatic expansion valves feature a balanced port construction that provides stable and accurate superheat control over a wide range of operating conditions. Replace conventional TEVs with the Super HF. The Super HF improves superheat control, system operation, and valve stability.

- External superheat adjustment.
- Replaceable power element for added flexibility.
- Internal or external equalizer.
- Field-proven internal seal construction.
- Tailored bulb charges for specific applications.
- Interchangeable with conventional TEVs.
- Externally equalized valves have bi-flow capability.

Application/Operation

The Super HF valve is currently replacing conventional TEVs on air conditioning and refrigeration systems with any combination of the following systems operating conditions.

- Widely varying evaporator loads.
- Widely varying head pressures.
- Widely varying pressure drop available across the thermostatic expansion valve and refrigerant distributor.

Expansion Valves for use with R-12, R-134a, FX-56, MP-39

Connection	Equalizer	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
Flare	Internal	1	EA	92431	HF 1 FC R-12 EXP VLV PCN# 054905		
Flare	External	1	EA	92436	HFE 1 FC R-12 EXP VLV PCN# 054909		
Flare	Internal	1	EA	92456	HF 1/2 FC R-12 EXP VLV		
Flare	External	1	EA	92460	HFE 1/2 FC R-12 EXP VLV		
Flare	External	1	EA	92461	HFE 11/2 FC R-12 EXP VLV		
Flare	Internal	1	EA	92502	HF 1/4 FC R-12 EXP VLV		

Expansion Valves for use with R-502, R-404A, R-507A, FX-10, HP-80

Flare	External	1	EA	92438	HFE 1 RC R-502 EXP VLV		
Flare	External	1	EA	92439	HFE 2 RC R-502 EXP VLV		
Flare	Internal	1	EA	92442	HF 1/2 RC R-502 EXP VLV		
Flare	External	1	EA	92443	HFE 11/2 RC R502 EXP VLV		
Flare	External	1	EA	92584	HFE 1 RW45 R-502 EXP VLV		

Expansion Valves with Removable Strainer for use with R-502, R-404A, R-507A, FX-10, HP-80

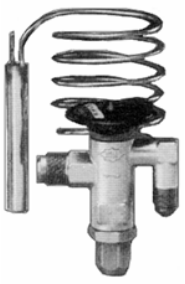
Sweat	External	1	EA	92660	HFESC 1 RW 45 EXP VLV		
Sweat	External	1	EA	92659	HFESC 1/2RW 45 EXP VLV		

Expansion Valves for use with R-134a, R-12, R-450, R-513A

Sweat	External	1	EA	92556	HFESC 1 MC 1 TON R-134 MT EXP VLV		

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Super HF Series Balanced Port Expansion Valves



HF Nomenclature

HF	E	S	C	2	H	C
Valve Series	**External Equalizer**	**ODF Copper Connections**	**Removable Strainer**	**Capacity**	**Refrigerant Code**	**Charge Code**
	(Omit for internal) N = Non-adjustable	**(Omit for SAE)**	**(Optional** ODF only)	**Nominal** Rating in Tons	**M=R134a** H=R22 R=R502 P=R507 S=R404A	**C=med** temp Z=low temp W=MOP (if needed)

Features

Super HF thermostatic expansion valves feature a balanced port construction that provides stable and accurate superheat control over a wide range of operating conditions. Replace conventional TEVs with the Super HF. The Super HF improves superheat control, system operation, and valve stability.

- External superheat adjustment.
- Replaceable power element for added flexibility.
- Internal or external equalizer.
- Field-proven internal seal construction.
- Tailored bulb charges for specific applications.
- Interchangeable with conventional TEVs.
- Externally equalized valves have bi-flow capability.

Application/Operation

The Super HF valve is currently replacing conventional TEVs on air conditioning and refrigeration systems with any combination of the following systems operating conditions.

- Widely varying evaporator loads.
- Widely varying head pressures.
- Widely varying pressure drop available across the thermostatic expansion valve and refrigerant distributor.

Connection	Equalizer	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
Flare	External	1	EA	92437	HFE 2 FC R-12 EXP VLV		
Flare	External	1	EA	92585	HFE 1-1/2 RW45 R-502 EXP VLV		

White-Rodgers HF Series Balanced Port Thermo® Expansion Valves

For Refrigeration Applications



The HF, an integral design valve, is small and compact, externally adjustable with a replaceable power assembly, internally or externally equalized. Refrigeration system manufacturers can now replace conventional TEVs with a new balanced port design TEV.

Bulb Charge Selection Chart

Evaporator Temperature	Refrigerant		
	R-12	R-22	R-502
Med Temp (-20 to + 50° F)	FC	HC	RC
Low Temp (-50 to + 10° F)	FZ	HZ	RZ
MOP Low Temp (-50 to 0° F)	FW15	HW45	RW45
MOP Med Temp (0 to 40° F)	–	HW65	RW65

For use with R-22

Connection	Equalizer	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
Flare	External	1	EA	92450	HFE 1/2 HC R-22 EXP VLV		
Flare	Internal	1	EA	92453	HF 1 HC R-22 EXP VLV		
Flare	External	1	EA	92454	HFE 1 HC R-22 EXP VLV		
Flare	External	1	EA	92462	HFE 11/2 HC R-22 EXP VLV		
Flare	External	1	EA	92578	HFE 11/2HW35 R22 EXP VLV		
Flare	External	1	EA	92500	HFE 2 HC R-22 EXP VLV		
Flare	External	1	EA	92501	HFE 3 HC R-22 EXP VLV		
Flare	Internal	1	EA	92503	HF 1/2 HC R-22 EXP VLV		
Flare	External	1	EA	92506	HFE 51/2 HC R-22 EXP VLV		
Flare	External	1	EA	92511	HFE 21/2 HC R-22 EXP VLV		

R-22 Expansion Valves with Removable Strainer—Best Selection for New Installations

Sweat	External	1	EA	92568	HFESC 1/2 HC R22 EXP VLV		
Sweat	External	1	EA	92569	HFESC 1 HC R22 EXP VLV		
Sweat	External	1	EA	92570	HFESC 11/2HC R22 EXP VLV		
Sweat	External	1	EA	92571	HFESC 2 HC R22 EXP VLV		

R-22 Expansion Valves Suitable for Refrigeration or Air Conditioning

Sweat	External	1	EA	92494	HFES 3 HC ANG EXP VLV		
Sweat	External	1	EA	92508	HFES 5 1/2HC EXP VLV		
Sweat	External	1	EA	92562	HFES8HCA R-22 EXP VLV		
Sweat	External	1	EA	92565	HFES20HCA R-22 EXP VLV		

White-Rodgers HFES Thermo Expansion Valves

R-404A



Specifications

- Maximum working pressure: 450 psig
- Operating Temperature: -40° to 50° F
- 5' capillary tube length (standard)

Features

- Large, removable power element
- Balanced port construction compensates for changes in operating pressures due to varying ambients, gas defrost, heat reclaim, or widely varying evaporator loads
- Two body sizes provide capacities from 1/4 to 20 tons
- Bi-flow capability up to 5-1/2 tons R22 allows one valve to control the superheat in both cooling and heating modes for package unit heat pump applications
- Wrench flats on inlets and outlets (SAE only) for easy installation
- Stainless steel power element for maximum corrosion resistance

Nomenclature Example: HFNESCB 2 HC 5 FT 3/8 x 1/2 ODF S/T

HF	N	E	S	C	B	2	H	C	5 FT	3/8 x 1/2		ODF	S/T
Valve Series	Superheat Adjustment	Equalizer	Correction Type	Removable Inlet Strainer (Optional)	Bleed Hole (Optional)	Capacity	Refrigerant Code	Charge Code	Capillary Tube Length	Inlet x Outlet Connection Sizes Inlet	Outlet	Connection Type	Configuration
	N=Non-adjustable Omit for Adjustable	E=External (Omit for Internal)	S=Solder (Omit for SAE Flare)	C=Inlet Strainer (ODF only)	Omit for no bleed hole	Nominal Rating in Tons See nominal capacity table	F=R-12 H=R-22 M=R-134a P=R-507 R=R-502 S=R-404A	C=medium temp CA=heat pump W(MOP)= press limiting Z=low temp	5 FT (std) other lengths are available	1/4 3/8 1/2 5/8	3/8 1/2 5/8 7/8	SAE= Flare ODF=solder	S/T= straight thru ANG=90° angle

HFES SZ R-404A Thermo Expansion Valve, Low Temp.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	92620	HFES 1/2 SZ 3/8 X 1/2 ODF ANG HF R404A EXPANSION VALVE		
1	EA	92621	HFES 1 SZ 3/8 X 1/2 ODF S/T HF R404A EXPANSION VALVE		
1	EA	92622	HFES 1-1/2 SZ 3/8 X 1/2 ODF S/T HF R404A EXPANSION VALVE		

HFES SW45 R-404A Thermo Expansion Valve with MOP Charge

1	EA	92624	HFES 1/2 SW45 3/8 X 1/2 ODF S/T HF R404A TXV W/45LB MOP		
1	EA	92625	HFES 1 SW45 3/8 X 1/2 ODF S/T HF R404A TXV W/45LB MOP		
1	EA	92626	HFES 1-1/2 SW45 3/8 X 1/2 ODF S/T HF R404A TXV W/45LB MOP		
1	EA	92623	HFES 2 SZ 3/8 X 1/2 ODF S/T HF R404A EXPANSION VALVE		
1	EA	92627	HFES 2 SW45 3/8 X 1/2 ODF S/T HF R404A TXV W/45LB MOP		

HFESC SC R-404A Thermo Expansion Valve with Cleanable Strainer, Medium Temp.

1	EA	92628	HFESC 1/2 SC 3/8 X 1/2 ODF HF R404A TXV		
1	EA	92629	HFESC 1 SC 3/8 X 1/2 ODF HF R404A TXV		
1	EA	92630	HFESC 1 1/2 SC 3/8 X 1/2 ODF HF R404A TXV		
1	EA	92631	HFESC 2 SC 3/8 X 1/2 ODF HF R404A TXV		

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HFK Service and Assembly Kits



The HFK is a pre-packaged kit consisting of a mix of popular bodies and power elements with a complete selection of cages. These kits provide great flexibility allowing valves to be assembled as needed for each application. Custom kits can be assembled by stocking an empty kit case with desired components.

HRK Service Box Includes:

- Cage Kit
- Service Box
- Insertion Tool

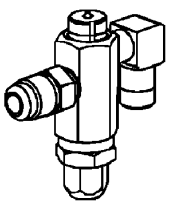
HFK TXV Assembly Kit Includes:

- HFKESC 3/8 x 1/2
- HFK 3/8 x 1/2
- HFKE 3/8 x 1/2
- HFKS 3/8 x 1/2
- HFKES 3/8 x 1/2
- Cage Kit
- Service Box
- Insertion Tool
- X26300-HC-1
- X26300-SZ1
- X26300-SC1
- X26300SW45-1
- X26300FC-1

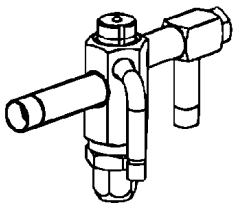
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92752	HFK TXV ASSEMBLY KIT PCN #066222	
1	EA	92753	HFK SERVICE BOX W/ CAGE KIT AND INSERT TOOL	

HFK Balanced Port Thermo® Expansion Valve

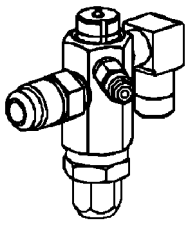
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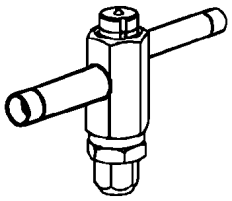
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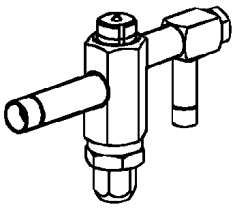
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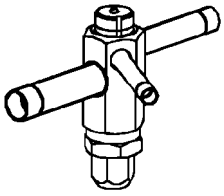
HFKE



HFKS



HFKSC



HFKES

The new HFK features interchangeable bodies, cages, and power elements providing maximum flexibility. All HFK valves use a balanced port cage design that compensates for changes in operating pressures due to varying ambients, gas defrost, heat reclaim, or widely varying evaporator loads.

Features

- Bi-flow capability
- Stainless steel power element
- Adjustable superheat
- Solid copper connections

Options

- ODF or SAE connections
- Straight-through or angle flow configurations
- Removable inlet strainer (ODF only)
- Internal or external equalizer

Specifications

- Maximum working pressure: 450 psig
- Operating Temperature: -40° F to 50° F
- Use with R-22, R-134a, R404A, R-507, R-12, R-502

HFK Assembly Procedure

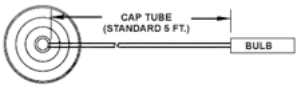
1. Remove adjusting stem from body.
2. Lubricate o-rings on cage.
3. Place cage into insertion tool (using 1/4" nut driver) and insert into body. (Do not over tighten).
4. Screw adjusting stem into bottom of body and hand tighten plus one wrench flat. (300-360 inch lbs.; do not over tighten.)
5. Attach cage identification clip on power element cap tube.
6. Screw power element onto top of body and hand tighten plus one wrench flat. (300-360 inch lbs.; do not over tighten.)

Body Selection Table (Also choose cage and power element; see following page.)

Bercor Number	Product Code Number	Description	Type	Connections (Inlet x Outlet)
92743	064882	KT-20298-2	HFK	3/8 x 1/2 SAE Ang Inlet
92744	064884	KT-20298-4	HFKE	3/8 x 1/2 SAE Ang Inlet
92745	064885	KT20298-5	HFKSC	3/8 x 1/2 ODF Ang Inlet w/Strainer
92746	064886	KT-20298-6	HFKESC	3/8 x 1/2 ODF Ang Inlet w/Strainer
92747	064887	KT-20298-7	HFKS	3/8 x 1/2 ODF S/T
92748	064891	KT-20298-11	HFKES	3/8 x 1/2 ODF S/T
92754	064895	KT-20298-13	HFKES	1/2 x 5/8 ODF S/T

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92743	KT-20298-2 HFK 3/8X1/2 FL. ANGLE BODY	
1	EA	92744	KT-20298-4 HFKE 3/8X1/2 FL. ANGLE BODY	
1	EA	92745	KT-20298-5 HFKSC 3/8X1/2 OD FL ANG BODY W/STRAINER	
1	EA	92746	KT-20298-6 HFKESC 3/8X1/2 OD FL ANG BODY W/STRAINER	
1	EA	92747	KT-20298-7 HFKS 3/8X1/2 OD FL ST. BODY	
1	EA	92748	KT-20298-11 HFKES 3/8X1/2 OD FL ST BODY	
1	EA	92754	KT-20298-13 HFKES 1/2X5/8 ODF S/T BODY	

Power Assemblies for HFK Valves



- Larger diameter power element for better performance.
- Stainless steel power element provides superior corrosion resistance that prevents field failures.

Power Element Selection

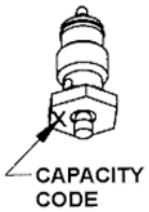
Product Code Number	Description	Refrigerant Charge Code	Application
053767	X26300-HZ-1	R-22/R-407C	Low Temp

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	92522	X26300-HZ-1 (KT-20016) POWER ASSY		

Maintenance Tools for HFK Valves

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	92749	HFK KT-20304 INSERTION TOOL		
1	EA	92751	HFK SOCKET DRIVER		

White-Rodgers Cages for HFK Balanced Port Thermo Expansion Valves



All HFK valves use a balanced port cage design that compensates for changes in operating pressures due to varying ambients, gas defrost, heat reclaim, or widely varying evaporator loads. The HFK is also available in pre-packaged kits consisting of a mix of popular bodies and power elements with a complete selection of cages.

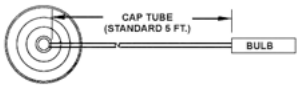
Cage Selection Table (First choose a valve body; see previous page.)

Product Code Number	Description*	Cage Code	Nominal Capacity (Tons)						
			R-12	R-22	R-134a	R-404	R-507	R-502	R-407C
064868	KT-20299-0	0	1/8	1/4	1/4	1/8	1/8	1/8	1/4
064869	KT-20299-1	1	1/4	1/2	1/2	1/4	1/4	1/4	1/2
064870	KT-20299-2	2	1/2	1	3/4	1/2	1/2	1/2	1
064871	KT-20299-3	3	1	1-1/2	1	1	1	1	1-1/2
064872	KT-20299-4	4	1-1/4	2	1-1/2	1-1/4	1-1/4	1-1/4	2
064873	KT-20299-5	5	1-1/2	2-1/2	1-3/4	1-1/2	1-1/2	1-1/2	2-1/2
064874	KT-20299-6	6	2	3	2-1/2	2	2	2	3
064875	KT-20299-7	7	3-1/2	5-1/2	4	3-1/2	3-1/2	3-1/2	5-1/2

* Cage kit includes cage, insertion tool, and ID clips.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92732	KT-20299-0 1/8 R12/404A,1/4 R22 CAGE	
1	EA	92733	KT-20299-1 1/4 R12/404A,1/2 R22 CAGE	
1	EA	92734	KT-20299-2 1/2 R12/404A, 1 R22 CAGE	
1	EA	92735	KT-20299-3 1 R12/404A, 1-1/2 R22 CAGE	
1	EA	92736	KT-20299-4 1-1/4 R12/404A, 2 R22 CAGE	
1	EA	92737	KT-20299-5 1-1/2 R12/404A,2-1/2 R22 CAGE	
1	EA	92738	KT-20299-6 2 R12/404A, 2-1/2 R22 CAGE	
1	EA	92739	KT-20299-7 3 1/2 R12/404A,5 1/2 R22 CAGE	

White-Rodgers Power Assemblies for HFK Valves



- Larger diameter power element for better performance.
- Stainless steel power element provides superior corrosion resistance that prevents field failures.

Power Element Selection

Product Code Number	Description	Refrigerant Charge Code	Application
058085	X26300-SW45-1	R-404/R-507/R-502	Low Temp MOP
053763	X26300-FC-1	R-12/R-134a	Medium Temp
053764	X26300-HC-1	R-22/R-407C	A/C Med. Temp
058083	X26300-SC-1	R-404/R-507/R-502	Medium Temp
058082	X27300-SZ-1	R-404/R-507/R-502	Low Temp

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92742	X26300-SW45-1 R404A LOW TEMP PRESS LMT POWER ASSEMBLY	
1	EA	92533	X26300-FC-1 TXV POWER HEAD ASSBLY	
1	EA	92521	X26300-HC-1 (KT 20013) POWER ASSY	
1	EA	92740	X26300-SC-1 R404A MED. TEMP. POWER ASSEMBLY	
1	EA	92741	X26300-SZ-1 R404A LOW TEMP. POWER ASSEMBLY	

White-Rodgers T Series Take-a-Part Thermo Valves

Less Body Flange



Features

- Take-a-part construction for easy field service.
- Interchangeable, replaceable cages for TEV versatility (1/4 to 100 tons capacity).
- Balanced, double-port design for smooth, stable control capability at low load conditions (down to 15% of nominal valve capacity.)
- Externally adjustable superheat.
- Large capacity series for air conditioning, refrigeration, and chiller applications where stable and accurate control over wide load and evaporator temperature ranges is required.

TCL Series with External Equalizer

Replacement Cage Assembly	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
X22440-B5B	1	EA	92552	TCLE5HC 5 TON R-22 VLV		
X22440-B6B	1	EA	92566	TCLE71/2HC 71/2 TON R-22 VLV		

White-Rodgers TCL(E) Old vs. New Nomenclature

New cage assemblies are interchangeable with the old versions. Minor changes have been made in the construction of cage assemblies. The new constructions have been identified by a new cage assembly part number and a new valve type number.

Old Style				New Style			
Valve Type			Cage Assembly	Valve Type			Cage Assembly
R-12	R-22	R-502	Part Number	R-12	R-22	R-502	Part Number
TCL(E)25F	TCL(E)50H	TCL(E)25R	XC709-B7*	TCL(E)1/4F	TCL(E)1/2H	TCL(E)1/4R	X22440-B1*
TCL(E)50F	TCL(E)100H	TCL(E)50R	XC709-B000*	TCL(E)1/2F	TCL(E)1H	TCL(E)1/2R	X22440-B2*
TCL(E)100F	TCL(E)200H	TCL(E)100R	XC709-B00*	TCL(E)1F	TCL(E)2H	TCL(E)1R	X22440-B3*
TCL(E)200F	TCL(E)300H	TCL(E)200R	XC709-B0*	TCL(E)2F	TCL(E)3H	TCL(E)2R	X22440-B4*
TCL(E)250F	TCL(E)400H	TCL(E)250R	XC709-B6*	TCL(E)3F	TCL(E)5H	TCL(E)3R	X22440-B5*
TCL(E)300F	TCL(E)500H	TCL(E)300R	XC709-B1*	TCL(E)3F	TCL(E)5H	TCL(E)3R	X22440-B5*
TCL(E)400F	TCL(E)700H	TCL(E)450R	XC709-B4*	TCL(E)4F	TCL(E)7-1/2H	TCL(E)4-1/2R	X22440-B6*
TCL(E)600F	TCL(E)900H	TCL(E)650R	XC709-B2*	TCL(E)6-1/2F	TCL(E)10H	TCL(E)7R	X22440-B7*
TCL(E)650F	TCL(E)1000H	TCL(E)700R	XC709-B3*	TCL(E)6-1/2F	TCL(E)10H	TCL(E)7R	X22440-B7*
TCL(E)750F	TCL(E)1200H	TCL(E)800R	XC709-B5*	TCL(E)7-1/2F	TCL(E)12H	TCL(E)8R	X22440-B8*

NOTE: Delete letter E from valve type for internally equalized valve.

* Equalizer code letter A (internal) or B (external) is added to the basic numbers shown to make complete cage assembly part number.

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T Series Take-a-Part Thermo Valves

Less Body Flange



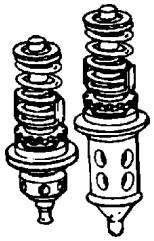
Features

- Take-a-part construction for easy field service.
- Interchangeable, replaceable cages for TEV versatility (1/4 to 100 tons capacity).
- Balanced, double-port design for smooth, stable control capability at low load conditions (down to 15% of nominal valve capacity.)
- Externally adjustable superheat.
- Large capacity series for air conditioning, refrigeration, and chiller applications where stable and accurate control over wide load and evaporator temperature ranges is required.

Replacement Cage Assembly	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
X22440-B8B	1	EA	92604	TCLE 12 HC 12 TON R-22 VLV		

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Cage Assemblies



Cage Assembly Interchangeability Table (Gaskets Included)

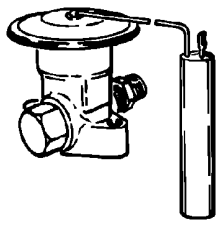
Valve	Cage Assembly		Nominal Capacity (Tons)			
Type	Old	New	R-12	R-22	R-502	R-500
TER		X9117B7B	15	26	16	18
THR		X9144B11B	45	75	48	52
		X9144B13B	55	100	60	65

* Add A for internal or B for external equalizer.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	92724	X9117-B7B CAGE ASSY		
1	EA	92729	X9144-B11B CAGE ASSY		
1	EA	92730	X9144-B13B CAGE ASSY		

White-Rodgers Power Assemblies

For T Series Valves



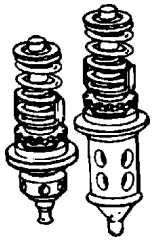
Power Assembly Interchangeability Table (Gaskets Included)

Valve Type	Power Assembly Number	Refrigerant Charge Code	Tubing Length Code (Ft.)	Equalizer Code
TCL TCLE TJLE TJR	XB1019*	R-12 = F R-22 = H R134a = M R404A = S R-502 = R	1=5 (Std.) 2=10 3=15 4=20	A=Internal B=1-1/4 SAE External C=1/4 ODF External
TER TIR THR	XC726		1=5 2=10 (Std.) 3=15 4=20	B=1/4 SAE External

Cap Length (Ft.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	1	EA	92758	XB-1019 HW100-1B R22 W/100 LB MOP POWER ASSEMBLY (T-SERIES)	
5	1	EA	92762	XB-1019 MC-1B R134A POWER ASSEMBLY (T-SERIES)	
5	1	EA	92765	XB-1019 MW551B R134A W/55MOP POWER ASSEMBLY (T-SERIES)	
5	1	EA	92759	XB1019HC1B POWER ASSY R-22	
5	1	EA	92771	XC726HC2B POWER ASSY R-22	

NOTE: XB1033 Series replaced by XB1019 and matching adjustable cage assembly.

White-Rodgers Cage Assemblies



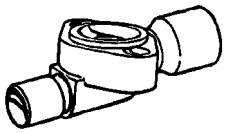
Cage Assembly Interchangeability Table (Gaskets Included)

Valve Type	Cage Assembly		Nominal Capacity (Tons)			
	Old	New	R-12	R-22	R-502	R-500
TCL TCLE	XC709B7*	X22440B1*	1/4	1/2	1/4	1/4
	XC709B000*	X22440B2*	1/2	1	1/2	3/4
	XC709B00*	X22440B3*	1	2	1	1
	XC709B0*	X22440B4*	2	3	2	2-1/2
	XC709B6*	X22440B5*	3	5	3	4
	XC709B4*	X22440B6*	4	7-1/2	4-1/2	5
	XC709B2*	X22440B7*	6-1/2	10	7	7
	XC709B3*	X22440B7*	6-1/2	10	7	7
TJLE		XC724B4B	8	14	9	10
TJR		X11873B4B	8	14	9	10
		X11873B5B	11	18	12	14
TER		X9117B6B	13	22	14	15
		X9117B8B	20	35	21	25
		X9117B9B	25	45	27	30
TIR		X9166B10B	35	55	37	40

* Add A for internal or B for external equalizer.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92711	X22440-B4B CAGE ASSY	
1	EA	92717	X22440-B6B CAGE ASSY	
1	EA	92718	X22440-B7B CAGE ASSY	

White-Rodgers Body Flanges

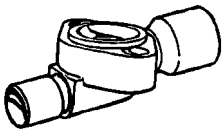


Style 1 Forged Type, Straight-through, Solder

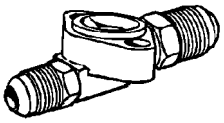
Connection	Style	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/2 ODF x 5/8 ODF	1	1	EA	92682	9761-4 1/2 X 5/8 SWEAT STR BODY FLANGE FOR TCLE VALVE	

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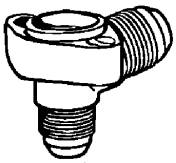
Body Flanges



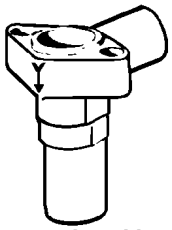
Style 1 Forged Type, Straight-through, Solder



Style 2 Straight-through, SAE



Style 3 Angle, SAE



Style 4 Angle, Solder Reverse Flow

Interchangeability Table–Flange Style and Connections Available

Angle: SAE Style 1, ODF Style 2			
Valve Type	**Connections**		**Body Flange**
	Inlet	**Outlet**	**Part No.**
TL	1/2 ODF	5/8 ODF	C501-7

Straight-through: SAE Style 3, ODF Style 4			
Valve Type	**Connections**		**Body Flange**
	Inlet	**Outlet**	**Part No.**
TCL , TCLE, TL, TLE	7/8 ODF	1-1/8 ODF	X6346-34
TJR	7/8 ODF to 1-1/8 ODM	7/8 ODF to 1-1/8 ODM	10332
TIR	7/8 ODF to 1-1/8 ODM	7/8 ODF to 1-1/8 ODM	9150

NOTE: Unless listed above ODF outside dimension not controlled.

Connection	Style	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
7/8 ODF x 1-1/8 ODF	1	1	EA	92698	X6346-34 7/8 X 1 1/8 STR BODY FLANGE FOR TCLE VALVE	
7/8 ODF x 1-1/8 ODM	1	1	EA	92700	9150 STR BODY FLANGE	
7/8 ODF x 1-1/8 ODM	1	1	EA	92821	TJR2 10332 7/8ODF/1-1/8 ODM S/T FLANGE PS-259 PCN# 032988	
1/2 ODF x 5/8 ODF	4	1	EA	92696	C-501-7 1/2 X 5/8 SWEAT ANG BODY FLANGE FOR TCLE VALVE	

White-Rodgers TRAE "Plus" Thermostatic Expansion Valve



The TRAE Plus thermostatic expansion valve is a large capacity series designed for refrigeration and air conditioning applications. This series features a replaceable stainless steel power element, a fully interchangeable cage assembly, and a square body.

Features

- Removable power element and cage assembly for full service ability.
- Stainless steel power element for enhanced corrosion resistance.
- Double balanced port design improves valve operation and stability under low load conditions.
- Integral square body with straight through connections.
- Solid copper connections.
- External superheat adjustment.
- Large diaphragm provides superior stability.
- HCA charge designed especially for R-22 air conditioning applications.

R-22/R-407C Capacity (Tons)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
15	1	EA	92646	TRAE+ 15HC 7/8 X 1-1/8 ODF		
40	1	EA	92649	TRAE+ 40HC 1-1/8 X 1-3/8 ODF		

White-Rodgers to Sporlan System Protector Cross Reference

Sporlan	Emerson	PCN	Bercor
Liquid Line Driers			
NONE	ALF-032MF	057193	94284
C 032	EK 032	060009	94220
C 032 S	EK 032 S	060012	94221
C-032CAP-T	EK-032 SV CAP	063208	94216
C 052	EK 052	047601	94222
C 052 S	EK 052 S	047602	94292
C 053	EK 053	047603	94223
C 053 S	EK 053 S	047604	94234
C082	EK 082	047605	94224
C 082 S	EK 082 S	047606	94293
C 083	EK 083	047607	94225
C 083 S	EK 083 S	047608	94226
C 162	EK 162	047611	94229
C 162 S	EK 162 S	047612	94294
C 163	EK 163	047613	94230
C 163 S	EK 163 S	047614	94231
C 164	EK 164	047615	94232
C 164 S	EK 164 S	047616	94233
C 165 S	EK 165 S	047618	94236
C 303 S	EK 303 S	048211	94239
C 304	EK 304	048212	94241
C 304 S	EK 304 S	048213	94237
C 305	EK 305	048214	94242
C 305 S	EK 305 S	048215	94244
C 307 S	EK 307 S	048217	94251
C 414	EK 414	048220	94264
C 414 S	EK 414 S	048221	94271
C 415	EK 415	048222	94274
C 415 S	EK 415 S	048223	94275
C 417 S	EK 417 S	048224	94276
NONE	EK 757 S	048228	94278
NONE	EK 759 S	048229	94279
Compact Suction Line Driers			
C-145-S-TT-HH	CSFD 14S5VV	062232	N/A
C-146-S-TT-HH	CSFD 14S6VV	062233	N/A
C-147-S-TT-HH	CSFD 14S7VV	062234	N/A
C-149-S-TT-HH	CSFD 14S9W	062235	N/A
Heat Pump Driers			
HPC103	BFK-083	043324	N/A
HPC103S	BFK-083S	043323	94207
HPC104S	BFK-084S	043327	N/A
HPC163HH	BFK-163S	043333	94210
HPC164SHH	BFK-164S	043337	94211
Oil Filters and Driers			
NONE	AOFD 553	062829	94389
OF303	AOF303	064952	994390
ROF 413	AOF 023S	062784	N/A
Manual Stem			
ME6130 3/8	200RB-3T3M	065620	93064
ME6S 140 1/2 ODF	200RB-3T4M	065621	N/A
B6S1 3/8 ODF	200RB-4S3M	047512	N/A
ME6S140 1/2 ODF	300RB-4T4M	049187	93106
ME9S240 1/2 ODF	200RB-5T4M	049188	N/A
ME10S250 5/8 ODF	200RB-6T5M	047547	93071
ME14S250 5/8 ODF	240RA-8T5M	040845	93073
ME19S270 7/8 ODF	240RA-9T7M	043204	93075
ME25S290 1-1/8 ODF	240RA-12T9M	045549	93079
ME34S2110 1-3/8 ODF	240RA-16T11M	044788	93078
ME42S2130 1-5/8 ODF	240RA-20T13M	046637	N/A
ME42S2170 2-1/8 ODF	240RA-20T17M	046638	N/A

Sporlan	Emerson	PCN	Bercor
Moisture Indicators			
SA 12 S	HMI 1 TT 2	065405	94379
SA 13 FM	HMI 1 FM 3	065397	94343
SA 13 S	HMI 1 TT 3	065406	94380
SA 14 S	HMI 1 TT 4	065407	94381
SA 15 S	HMI 1 TT 5	065408	94382
SA 17 S	HMI 1 TT 7	065410	94383
SA 19 S	HMI 1 TT 9	065411	94373
Suction Filters–Driers			
C 165 S T HH	ASK 165 S VV HH	056508	N/A
C 166 S T HH	ASK 166 S VV HH	056509	N/A
C 167 S T HH	ASK 167 S VV HH	056510	N/A
C 306 S T HH	ASK 306 S VV HH	056511	N/A
C 307 S T HH	ASK 307 S VV HH	056512	N/A
	SFD-13S3-VV	060245	94364
	SFD-13S4-VV	060246	N/A
SFD and ASDs are used on the suction line to remove moisture and acid and provide filtration, they do not have the HH Core. These should be used when tight dimensions are needed and capacities are not met with the CSFD	SFD-13S5-VV	060249	94360
	SFD-13S6-VV	060250	94361
	SFD-13S7-VV	060262	94362
	SFD-27S7-VV	060251	N/A
	SFD-27S9-VV	060252	N/A
	SFD-54S11-VV	060253	N/A
	SFD-54S13-VV	060254	N/A
	ASD 35S5VV	049171	94331
	ASD 45S6VV	049172	94332
	ASD 45S7VV	049173	94333
	ASD 50S9VV	049174	94334
	ASD 75S11VV	049175	94335
	ASD 75S13VV	049176	94336
Cores and Filters			
RC 4864	D-48	059541	94326
RC 4864	H-48	059542	94324
RCW 48	UK-48	061617	94322
RC 4864 HH	W-48 HH	061235	94327
RC 10098	H-100	089338	94325
RC 10098 HH	W 100 HH	043582	94323
RPE 48 BD	F-48R	047664	94307
Filter Cores and Cartridges			
F25A	A2F	049479	94314
F35A	A3F	049480	94315
F45A	A4F	049481	94316
F55A	A5F	049482	94317
DF25A	A2FD	049483	94318
DF35A	A3FD	049484	94319
DF45A	A4FD	049485	94320
DF55A	A5FD	049486	94317
Shells for 48 CU Driers			
C 48 5 T	STAS-485-T	053001	94402
C 48 7 T	STAS-487-T	053003	94403
C 48 9 T	STAS-489-T	053005	94404
C 48 11 T	STAS-4811-T	053007	94415
C 96 7 T	STAS-967-T	053010	94405
C 96 9 T	STAS-969-T	053012	94406
C 96 13 T	STAS-9613-T	053017	94322

Continued from the Previous Page

Sporlan	Emerson	PCN	Bercor
Solenoid Valves			
E3S120 1/4 ODF	100RB-2S2	047503	93056
E3S130 3/8 ODF	100RB-2S3	047504	93058
E5S130 3/8 ODF	200RB-2T2	053105	N/A
B6F1 3/8 SAE	200RB-3F3	052726	N/A
E6S140 1/2 ODF	200RB-3T4	049692	N/A
E9S240 1/2 ODF	200RB-5T4	057206	N/A
E9S240 1/2 ODF	200RB-5S4T	047526	N/A
E10S250 5/8 ODF	200RB-6T5	056766	N/A
E14S250 5/8 ODF	200RB-7T5	064063	N/A
Solenoid Coils			
AMG-24V		057341	93099
AMG-120V		057331	93097
AMG-208/240V		057342	93098
AMG-120/240V		057343	93096
Solenoid Repair Kits			
Repair Kit 100RB	KS30112	049191	92959
Repair Kit 200RB	KS30115	049194	92960
Repair Kit 240RA8	KS30321	060626	92961
Repair Kit 240RA9	KS30322	060627	92975
Repair Kit 240RA12	KS30323	060628	92962

Sporlan	Emerson	PCN	Bercor
Oil Control–Scroll			
OMB-JB1 ASC 2 24/50-60 STD		065365	92650
OMB-MO1 ASC 2 24/50-60 STD		065366	92651
Accumulator			
3 X 12 5/8 ODF	A-AS3 12 5	060812	N/A
4 X 10 5/8 ODF	A-AS4 10 5	060966	N/A
4 X 10 3/4 ODF	A-AS4 10 6	060820	N/A
5 X 9 3/4 ODF	A-AS5 9 6	060824	N/A
5 X 9 7/8 ODF	A-AS5 9 7	060818	94441
5 X 13 7/8 ODF	A-AS5 13 7	060814	94442
5 X 13 1-1/8 ODF	A-ASS 13 9	060815	N/A
6 X 13 1-1/8 ODF	A-AS6 13 9	060968	94443
6 X 25 1-5/8 ODF	A-AS6 25 13	060970	94445

White-Rodgers Solenoid Valve Cross Reference

Emerson (Alco)			Sporlan			Jackes-Evans		
Model	**Connection**	**Tons**	**Model**	**Connection**	**Tons**	**Model**	**Connection**	**Tons**
100 RB 2S2	1/4 ODF	.80	A3S1, E3S120	1/4 ODF	1.0	RB1E2	1/4 ODF	.80
100 RB 2S3	3/8 ODF	.80	A3S1, E3S120	3/8 ODF	1.0			
100 RB 2S4	1/2 ODF	.80						
100 RB 2F2	1/4 SAE	.80				RB1F2	1/4 SAE	.80
100 RB 2F3	3/8 SAE	.80	A3F1	1/4 SAE	1.0			
100 RB 2P2	1/4 NPTF	.80				RB1P2	1/4 NPTF	.80
			A3P1	3/8 NPTF	1.0	RB1P3	3/8 NPTF	.80
200 RB 2T2	1/4 ODF	2.0	E5S120	1/4 ODF	1.8			
200 RB 2T3	3/8 ODF	2.0	E5S130	3/8 ODF	1.8			
200 RB 2F2	1/4 SAE	2.0						
200 RB 3T2	1/4 ODF	3.0						
200 RB 3T3	3/8 ODF	3.0	B6S1,E6S130	3/8 ODF	3.1	RB3E3	3/8 ODF	3.0
200 RB 3T4	1/2 ODF	3.0	B6S1, E6S140	1/2 ODF	3.1	RB3E4	1/2 ODF	3.0
200 RB 3F2	1/4 SAE	3.0				RB3F2	1/4 SAE	3.0
200 RB 3F3	3/8 SAE	3.0	B6F1	3/8 SAE	3.1	RB3F3	3/8 SAE	3.0
200 RB 3F4	1/2 SAE	3.0						
						RB3P2	1/4 NPTF	3.0
			B6P1	3/8 NPTF	3.1	RB3P3	3/8 NPTF	3.0
200 RB 4P2	1/4 NPTF	3.6						
200 RB 4P3	3/8 NPTF	3.6						
200 RB 4S3	3/8 ODF-1/2 ODM	3.6						
200 RB 4S4	1/2 ODF-5/8 ODM	3.6						
200 RB 4F3	3/8 SAE	3.6						
200 RB 5P3	3/8 NPTF	5.3	B9P2	3/8NPTF	5.1			
200 RB 5S4	1/2 ODF-5/8 ODM	5.3	B9S2, E9S240	1/2 ODF	5.1			
200 RB 5S5	5/8 ODF	5.3						
200 RB 5F4	1/2 SAE	5.3						
200 RB 5F5	5/8 SAE	5.3						
			E9S230	3/8 ODF	5.1			
			B9F2	3/8 SAE	5.1			
200 RB 6P3	3/8 NPTF	6.4						
200 RB 6S4	1/2 ODF-5/8 ODM	6.4	E10S240	1/2 ODF	7.0	RB6E4	1/2 ODF	6.0
200 RB 6S5	5/8 ODF	6.4	B10S2, E10S250	5/8 ODF	7.0	RB6E5	5/8 ODF	6.0
200 RB 6F4	1/2 SAE	6.4	B10F2	1/2 SAE	7.0	RB6F4	1/2 SAE	6.0
200 RB 6F5	5/8 SAE	6.4						
240 RA 8T5	5/8 ODF	10.0	B14S2, E14S250	5/8 ODF	9.9	RB9E5	5/8 ODF	9.0
8T7	7/8 ODF	10.0						
			B14P2	1/2 NPTF	9.9	RB9P4	1/2 NPTF	9.0
						RB9P3	3/8 NPTF	9.0
						RB9E4	1/2 ODF	9.0
						RB9F5	5/8 SAE	9.0
240 RA 9T5	5/8 ODF	15.0	B19S2, E19S250	5/8 ODF	15.2	RB15E15	5/8 ODF	15.0
240 RA 9T7	7/8 ODF	19.7	B19S2, E19S270	7/8 ODF	15.2			
9T9	1 1/8 ODF	19.7						
			B19P2	3/8 NPTF	15.2			
905-13*	7/8 ODF	19.4				RB15P4	1/2 NPTF	15.0
905H-13*	1 1/8 ODF	19.4						
240 RA 12T7	7/8 ODF	22.6	B25S2, E25S270	7/8 ODF	25.9	RB21E7	7/8 ODF	21.0
240 RA 12T9	1 1/8 ODF	22.6	B25S2, E25S290	1 1/8 ODF	25.9			
						RB21P6	3/4 NPTF	21.0
			B25P2	1NPTF	25.9			
240 RA 16T9	1 1/8 ODF	37.5	B33S2, E33S290	1 1/8 ODF	36.0			
240 RA 16T11	1 3/8 ODF6	37.5	B33S2, E33S2110	1 3/8 ODF	36.0	RB41E9	1 3/8 ODF	41.0
905-14*	1 1/8 ODF	36.3	B33S2	1 5/8 ODF	36.0			
905H-14*	1 3/8 ODF	36.3				RB41P8	1NPTF	41.0
240 RA 20T11	1 3/8 ODF	36.3						
240 RA 20T13	1 5/8 ODF	59.1	MA42S3	1 5/8 ODF	68.0			
240 RA 20T17	2 1/8 ODF	59.1	MA42S3	2 1/8 ODF	68.0			
905-15*	1 3/8 ODF	54.6	MA42P3	1 1/2 NPTF	68.0			
905H-15*	1 5/8 ODF	54.6						

NOTE: Nominal Capacity R-12 @ 2 PSI liquid pressure drop.

* For special applications.

EMERSON
Climate Technologies

Solenoid Valve Cross Reference

Refrigeration Service

Old Valve Number	Replacement Coil Number[1]	Old Valve Number	Replacement Coil Number[1]	Old Valve Number	Replacement Coil Number[1]	Current Valve Number	Current Coil Number[1]
S101-5	X22164	100R2S2	BGG	100RA2S2	AMG	100RB2S2	AMG
S101-9	X22164	100R2S2	BGG	100RA2S2	AMG	100RB2S2	AMG
S101-7	X22164	100R2S2	BGG	100RA2S2	AMG	100RB2S2	AMG
S101-4	X22164	100R2S3	BGG	100RA2S3	AMG	100RB2S3	AMG
S120-1	X22164	100R2S4	BGG	100RA2S4	AMG	100RB2S4	AMG
S101	X22164	100R2F2	BGG	100RA2F2	AMG	100RB2F2	AMG
S101-2	X22164	100R2F2	BGG	100RA2F2	AMG	100RB2F2	AMG
S101-8	X22164	100R2F3	BGG	100RA2F3	AMG	100RB2F3	AMG
S101-3	X22164	100R2P2	BGG	100RA2P2	AMG	100RB2P2	AMG
S101-6	X22164	100R2P3	BGG	None	AMG	None	AMG
S155	X22164	200R4S3	BGG	200RA4S3	AMG	200RB4T3	AMG
S155M	X22164	200R4S3M	BGG	200RA4S3M	AMG	200RB4T3M	AMG
S120	X22164	200R4S4	BGG	200RA4S4	AMG	200RB4T4	AMG
S120C	X22164	200R4S4	BGG	200RA4S4	AMG	200RB4T4	AMG
S120M	X22164	200R4S4M	BGG	200RA4S4M	AMG	200RB4T4M	AMG
S120T	X22164	200R4S4M	BGG	200RA4S4M	AMG	200RB4T4M	AMG
S115F	X22164	200R4F3	BGG	200RA4F3	AMG	200RB4F3	AMG
None	X22164	200R4P2	BGG	200RA4P2	AMG	200RB4P2	AMG
S115	X22164	200R4P3	BGG	200RA4P3	AMG	200RB4P3	AMG
S115-1	X22164	200R4P3	BGG	200RA4P3	AMG	200RB4P3	AMG
S115C	X22164	200R4P3	BGG	200RA4P3	AMG	200RB4P3	AMG
S115M	X22164	200R4P3M	BGG	200RA4P3M	AMG	200RB4P3M	AMG
S115M-1	X22164	200R4P3M	BGG	200RA4P3M	AMG	200RB4P3M	AMG
S155-1	X22164	228R3S3	ABG	228RB3S3	AMG	200RB3T3	AMG
S34-1 3/8" ODF	X22164	200R4S3	BGG	200RA4S3	AMG	200RB4T3	AMG
34 3/8" ODF	X22164	200R4S3M	BGG	200RA4S3M	AMG	200RB4T3M	AMG
S34-1 1/2" ODF	X22164	200R4S4	BGG	200RA4S4	AMG	200RB4T4	AMG
S34 1/2" ODF	X22164	200R4S4M	BGG	200RA4S4M	AMG	200RB4T4M	AMG
S34-1 3/8" FPT	X22164	200R4P3	BGG	200RA4P3	AMG	200RB4P3	AMG
S34 3/8" FPT	X22164	200R4P3M	BGG	200RA4P3M	AMG	200RB4P3M	AMG
None	X22164	200R5S4	BGG	200RA5S4	AMG	200RB5T3	AMG
S34-1 5/8" ODF	X22164	200R5S5	BGG	200RA5S5	AMG	200RB5T5	AMG
S34 5/8" SAE	X22164	200R5S5M	BGG	200RA5S5M	AMG	200RB5T5M	AMG
S34-1 1/2" SAE	X22164	200R5F4	BGG	200RA5F4	AMG	200RB5F4	AMG
S34 1/2" SAE	X22164	200R5F4M	BGG	200RA5F4M	AMG	200RB5F4M	AMG
None	X22164	200R5F5	BGG	200RA5F5	AMG	200RB5F5	AMG
None	X22164	200R5P3	BGG	200RA5P3	AMG	200RB5P3	AMG
S36-1 1/2" ODF	X22164	200R6S4	BGG	200RA6S4	AMG	200RB6T4	AMG
S37-1 5/8" ODF	X22164	200R6S5	BGG	200RA6S5	AMG	200RB6T5	AMG
S37 5/8" ODF	X22164	200R6S5M	BGG	200RA6S5M	AMG	200RB6T5M	AMG
S37F-1 1/2" SAE	X22164	200R6F4	BGG	200RA6F4	AMG	200RB6F4	AMG
S37F 1/2" SAE	X22164	200R6F4M	BGG	200RA6F4M	AMG	200RB6F4M	AMG
S37F-1 5/8" SAE	X22164	200R6F5	BGG	200RA6F5	AMG	200RB6F5	AMG
S37F 5/8" SAE	X22164	200R6F5M	BGG	200RA6F4M	AMG	200RB6F5M	AMG
S36-1 3/8" FPT	X22164	200R6P3	BGG	200RA6P3	AMG	200RB6P3	AMG
S221	X22164	200R6S5M	BGG	200RA6S5M	AMG	200RB6T5M	AMG
S225	X22164	200R6S5M	BGG	200RA6S5M	AMG	200RB6T5M	AMG
S225H	X22164	200R6S5M	BGG	200RA6S5M	AMG	200RB6T5M	AMG
S225-1	X22164	200R6S5	BGG	200RA6S5	AMG	200RB6T5	AMG
S804-4	X22164	200R6S5	BGG	200RA6S4	AMG	200RB6T4	AMG
S804-3	X22164	200R6S4	BGG	200RA6S4	AMG	200RB6T4	AMG
S804-5	X22164	200R6P3	BGG	200RA6P3	AMG	200RB6P3	AMG
S896	X22164	230R9S74	BGG	230R9S74	AMG	240RA9T7	AMG
S310-1	X22164	230R9S74	BGG	230R9S74	AMG	240RA9T7	AMG
None	None	230R8S54	BGG	230RA8S54	AMG	240RA8T5	AMG
None	None	230R9S54	BGG	230RA9S54	AMG	240RA8T5	AMG
M635-1	X22606	230R9S74	BGG	230RA9S74	AMG	240RA9T7	AMG
M635H-1	X22606	230R9S74	BGG	230RA9S74	AMG	240RA9T7	AMG
M635	X22606	230R9S7M4	BGG	230RA9S7M4	AMG	240RA9T7M	AMG

[1] Specify the voltage/frequency rating.

Continued on the Following Page

Continued from the Previous Page

Old Valve Number	Replacement Coil Number[1]	Old Valve Number	Replacement Coil Number[1]	Old Valve Number	Replacement Coil Number[1]	Current Valve Number	Current Coil Number[1]
M635H	X22606	230R9S7M4	BGG	230RA9S7M4	AMG	240RA9T7M	AMG
M344-1	X22606	230R12S74	BGG	230RA12S74	AMG	240RA12T7	AMG
M344H-1	X22606	230R12S74	BGG	230RA12S74	AMG	240RA12T7	AMG
M355-1	X22606	230R12S74	BGG	230RA12S74	AMG	240RA12T7	AMG
M355H-1	X22606	230R12S74	BGG	230RA12S74	AMG	240RA12T7	AMG
M355H	X22606	230R12S7M4	BGG	230RA12S7M4	AMG	240RA12T7M	AMG
M355	X22606	230R12S7M4	BGG	230RA12S7M4	AMG	240RA12T7M	AMG
M344	X22606	230R12S7M4	BGG	230RA12S7M4	AMG	240RA12T7M	AMG
M344H	X22606	230R12S7M4	BGG	230RA12S7M4	AMG	240RA12T7M	AMG
R345-1	X22200	230R16S94	BGG	230RA16S94	AMG	240RA16T9	AMG
R345H-1	X22200	230R16S94	BGG	230RA16S94	AMG	240RA16T9	AMG
R355-1	X22200	230R16S94	BGG	230RA16S94	AMG	240RA16T9	AMG
R355H-1	X22200	230R16S94	BGG	230RA16S94	AMG	240RA16T9	AMG
R345	X22200	230R16S9M4	BGG	230RA16S9M4	AMG	240RA16T9M	AMG
R345H	X22200	230R16S9M4	BGG	230RA16S9M4	AMG	240RA16T9M	AMG
R355	X22200	230R16S9M4	BGG	230RA16S9M4	AMG	240RA16T9M	AMG
R345H	X22200	230R16S9M4	BGG	230RA16S9M4	AMG	240RA16T9M	AMG
R11 1-1/8" ODF[2]	X22200	230R16S9M4	BGG	230RA16S9M4	AMG	240RA16T9M	AMG
R1H 1-1/8" ODF[2]	X22200	230R16S9M4	BGG	230RA16S9M4	AMG	240RA16T9M	AMG
R12	X22200	905-144	XA1550/BGG	905-144	AMG	905-14	AMG
R612	X22200	230R20S11M4	BGG	230RA20S114	AMG	240RA20T11M	AMG
R6H2	X22200	230R20S11M4	BGG	230RA20S11M4	AMG	240RA20T11M	AMG
R61-12	X22200	230R20S11T4	BGG	230RA20S11T4	AMG	240RA20T11M	AMG
R6H-1	X22200	230R20S11T4	BGG	230RA20S11T4	AMG	240RA20T11T	AMG
R62	X22200	905-154	XA1550/BGG	905-154	AMG	905-15	AMG
R62-1	X22200	905-154	XA1550/BGG	905-154	AMG	905-15	AMG
R21	X22200	905H-163	XA1550/BGG	905H-163	AMG	905H-16	AMG
R21-1	X22200	905H-163	XA1550/BGG	905H-163	AMG	905H-16	AMG
R2H	X22200	905H-164	XA1550/BGG	905H-164	AMG	905H-16	AMG
R2H-1	X22200	905-164	XA1550/BGG	905-164	AMG	905-16	AMG
		230R20S13T4	BGG	230RA20S13T4	AMG	230RA20S13T	AMG
		230R20S17M4	BGG	230RA20S17M4	AMG	230RA20S17M	AMG
DS2360-1	XA1550	100R2P3	BGG	200RA4P3	AMG	200RB4PS	AMG
DS2228	XA1714	228R3S3	ABG	228RB3S3	AMG	200RB3T3	AMG
S608-1	XA1550	702RA01	AMG	702RA001	AMG	702RA001	AMG
9010-1R	AAG	100R2S2	BGG	100RA2S2	AMG	100RB2S2	AMG
9010-2R	AAG	100R2S3	BGG	100RA2S3	AMG	100RB2S3	AMG

[1] Specify the voltage/frequency rating.

[2] Replacement valves do not have flange connections. For flanged connections, see the 905 series valves.

Repair Kit FOR 100RB

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	92959	KS30112 REPAIR KIT FOR 100RB		

240RA Series Solenoid Valves



Valve Number	Port Size	Refrigerant Liquid Service Nominal Capacities (Tons)					Connection Size	Max. Fluid Temp.
		R-12	R-134a	R-22	R-407C	R-404A/R-507		
240RA 9T5	9/16	18.2	22	23.3	15.3	22.1	5/8 ODF	250°

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
6	EA	93074	240RA-9T5-M 5/8 ODF SOL VLV L/COIL		

Solenoid Valve Coils



- Compact designs
- Coil windings are insulated to provide shock and vibration protection
- Interchangeable housings.
- **AMG:** 12 Watt, Class F, Junction Box

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
12	EA	93103	AMG 12V/DC SOL COIL		

White-Rodgers 100RB and 200RD Refrigeration Solenoid Valves



100RB



200RD

- Two-way, normally closed valves.
- Valve operates in any position, can be conveniently located in horizontal or vertical lines.
- Extended ends (standard) for easy installation.
- One coil fits all valve sizes.
- Space saving integral junction box and coil housing saves cost of handy box connections.
- Snap-on coil retainer, easy to install and remove. Coil assembly is replaceable without shut-down of line pressure.
- Long-life molded coils with class F insulations provide water, shock, and vibration protection in coil winding.
- UL listed file number MP604 CSA Certified file number LR44912.

Valve Number	Port Size	Refrigerant Liquid Service Nominal Capacities (Tons)				M.O.P.D. (PSI)	Max. Fluid Temp.	Max. Working Pressure (PSI)
		R-134a	R-22	R-404A/R-507	R-410A			
100RB Series	7/64	.96	1.27	.85	—	300	285°	500
200RD-2	1/8	2.4	3.1	2.1	3.2	2	250°	680
200RD-3	3/16	3.6	4.8	3.2	4.5	2	250°	680
200RD-4	1/4	4.3	5.6	3.7	7.3	2	250°	680
200RD-5	5/16	6.4	8.2	5.4	7.7	2	250°	680
200RD-6	3/8	7.7	10.0	6.5	8.8	2	250°	680

100RB Direct-Acting Valves

Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1/4 ODF	1	EA	93056	100RB-2S2 1/4 IN SOLENOID VALVE		
3/8 SAE	6	EA	93057	100RB-2F3 SOL VLV L/COIL		
3/8 ODF (1/2 ODM)	6	EA	93058	100RB-2S3 SOL VLV L/COIL		
1/4 SAE	6	EA	93060	100RB-2F2 SOL VLV L/COIL		

200RD Mounting Stud Valve

Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
3/8 ODF	6	EA	93040	200RD-2T3T R-410A UNIVERSAL SOL VLV L/COIL		
3/8 ODF	6	EA	93041	200RD-3T3T R-410A UNIVERSAL SOL VLV L/COIL		
3/8 ODF	6	EA	93042	200RD-4T3T R-410A UNIVERSAL SOL VLV L/COIL		
1/2 ODF	6	EA	93043	200RD-4T4T R-410A UNIVERSAL SOL VLV L/COIL		
5/8 ODF	6	EA	93044	200RD-5T5T R-410A UNIVERSAL SOL VLV L/COIL		
5/8 ODF	6	EA	93045	200RD-6T5T R-410A UNIVERSAL SOL VLV L/COIL		

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92960	KS30386 REPAIR KIT FOR 200RD	

White-Rodgers 240RA Series Solenoid Valves



This series of Alco valves are 2-way, normally closed diaphragm valves especially suited for liquid and suction, service. Their basic function is the same as manually operated shut-off valves, but being solenoid actuated, they can be positioned in remote locations, and conveniently controlled by suitable electrical devices.

Features

- Extended ends for easy installation (standard).
- The 240 Series extended tubes are 100% copper.
- Can be brazed into the line without disassembly
- and the resultant extra cost in time.
- Max Working Pressure: 500 PSI
- M.O.P.D. : 300 PSI

Specifications

- Less than 1 psi differential required for operation.
- U.L. Listed: File No. MP604 CSA LR44912.
- Control Voltages: AC24, 120, 208-240, 480 (50/60 hertz.), DC 6, 12, 24.
- 240 valves operate in any position.
- Only 2 moving parts: Plunger and Diaphram.
- Heavy wall, drawn, stainless steel enclosing tube.
- Reinforced teflon diaphragm with woven fiberglass.
- Available with standard mounting bracket adapter or with optional manual stem.
- Can be field-converted to a manual system.

NOTE: 200RD solenoid valve must be used for R-410A applications.

Valve Number	Port Size	Refrigerant Liquid Service Nominal Capacities (Tons)					Connection Size	Max. Fluid Temp.
		R-12	R-134a	R-22	R-407C	R-404A/R-507		
240RA 8T5	1/2	12.2	14.8	15.6	8.4	14.8	5/8 ODF	250°
240RA 9T7	9/16	24	28.9	30.5	21	29	7/8 ODF	250°
240RA 12T7	3/4	27.6	33.2	34.9	23	33.2	7/8 ODF	250°
240RA 12T9	3/4	27.6	33.2	34.9	23	33.2	1-1/8 ODF	250°
240RA 16T9	1	37.3	55.1	58	38.3	55.2	1-1/8 ODF	250°
240RA 16T11	1	37.3	55.1	58	38.3	55.2	1-3/8 ODF	250°

Solenoid Valves

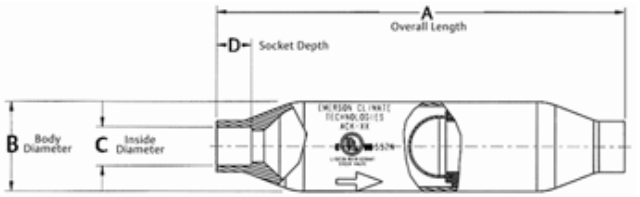
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	93073	240RA-8T5-M 5/8 ODF SOL VLV L/COIL		
6	EA	93075	240RA-9T7-M 7/8 ODF SOL VLV L/COIL		
6	EA	93076	240RA-12T7-M 7/8 ODF SOL VLV L/COIL		
6	EA	93079	240RA-12T9-M 1 1/8 ODF SOL VLV L/COIL		
6	EA	93077	240RA-16T9-M 1 1/8 ODF SOL VLV L/COIL		
6	EA	93078	240RA-16T11-M 1 3/8 ODF SOL VLV L/COIL		

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92961	KS30321 REPAIR KIT FOR 240RA8	
1	EA	92962	KS 30323 REPAIR KIT FOR 240RA12	
10	EA	92975	KS 30322 REPAIR KIT FOR 240RA9	

EMERSON
Climate Technologies

ACK Check Valves



Features

- Copper connection sizes 1/4" through 2-5/8".
- Hermetic spun copper design.
- Near zero internal leak rate.
- Magnetic checking action.
- Built-in 30 mesh stainless steel strainer.
- Can be installed in any position.
- UL/CUL Approved (File # SA 5312).

Application

- Normally closed magnetic check valve.
- Prevents reversed refrigerant flow in liquid lines and compressor discharge lines.

Description	Connection Size	A Overall Length	B Body Diameter	C Inside Diameter	D Socket Depth	Opening Pressure oz./sq. in.	MWP (psig)	Tons R-22 Suction 40° F @ 1 psi	Tons R-22 Liquid 40° F @ 1 psi
ACK-18	1-1/8 ODF	8-3/8	2-1/8	1.130 ± .003	0.94	6.8	400	6.0	51

.

Emerson *	A-1 Components *	Superior *	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
ACK-18	MS-18	N/A	1	EA	94396	ACK-18 1-1/8" CHECK VALVE	

* Compatible with models specified

EMERSON
Climate Technologies

Solenoid Valve Coils

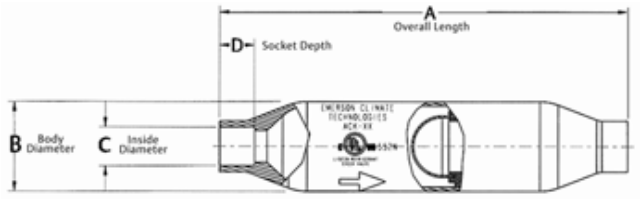


- Compact designs
- Coil windings are insulated to provide shock and vibration protection
- Interchangeable housings.
- 12 Watt, Class F, Junction Box

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	93096	AMG 120-240/50-60 SOL COIL	
12	EA	93097	AMG 120/50-60 SOL COIL	
12	EA	93098	AMG 208-240/50-60 SOL COIL	
12	EA	93099	AMG 24/50-60 SOL COIL	

EMERSON
Climate Technologies

ACK Check Valves



Features

- Copper connection sizes 1/4" through 2-5/8".
- Hermetic spun copper design.
- Near zero internal leak rate.
- Magnetic checking action.
- Built-in 30 mesh stainless steel strainer.
- Can be installed in any position.
- UL/CUL Approved (File # SA 5312).

Application

- Normally closed magnetic check valve.
- Prevents reversed refrigerant flow in liquid lines and compressor discharge lines.

Description	Connection Size	A Overall Length	B Body Diameter	C Inside Diameter	D Socket Depth	Opening Pressure oz./sq. in.	MWP (psig)	Tons R-22 Suction 40° F @ 1 psi	Tons R-22 Liquid 40° F @ 1 psi
ACK-6	3/8 ODF	4	7/8	.379 ± .002	0.40	1.3	800	0.6	3.1
ACK-8	1/2 ODF	5	1-1/8	.504 ± .002	0.31	3.5	640	1.2	9.4
ACK-10	5/8 ODF	5	1-1/8	.629 ± .002	0.50	3.5	640	1.4	13
ACK-12	3/4 ODF	7	1-5/8	.754 ± .002	0.63	3.8	560	3.3	27
ACK-14	7/8 ODF	7	1-5/8	.879 ± .003	0.42	3.8	560	3.7	29

.

Emerson *	A-1 Components *	Superior *	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
ACK-6	MS-6	900M-6S	1	EA	94391	ACK-6 3/8" CHECK VALVE	
ACK-8	MS-8	900M-8S	1	EA	94392	ACK-8 1/2" CHECK VALVE	
ACK-10	MS-10	900M-10S	1	EA	94393	ACK-10 5/8" CHECK VALVE	
ACK-12	MS-12	900M-12S	1	EA	94394	ACK-12 3/4" CHECK VALVE	
ACK-14	MS-14	900M-14S	1	EA	94395	ACK-14 7/8" CHECK VALVE	

* Compatible with models specified

OMB Crankcase Oil Management Controls



The OMB is a compressor crankcase oil level protective control ideal for use with Copeland Scroll® models ZF, ZB, ZR and ZS. It is also recommended for Copeland® brand products, Carlyle, Bitzer, and other semi-hermetic compressors.

Features:

- Precision oil level measurement for maximum protection
- Easy monitoring with alarm and status lights
- Foam resistant design prevents nuisance trips unlike optical sensor designs
- Contaminant proof operation ensures accurate control
- 5-time lockout feature protects compressor from repeated low oil level condition

Specifications:

- Maximum working pressure: 640 psi
- Solenoid MOPD: 350 psi
- Supply voltage: 24 V AC, 50/60 Hz
- Solenoid coil: ASC 2L 24 V AC, 50/60 Hz
- Time delay for low level signaling: 5-10 seconds
- Time delay for after setpoint recovery: 5-10 seconds
- Alarm delay time: 120 seconds
- Alarm switch: SPDT
- Alarm contact rating: 10A at 125; 5A at 220 V AC 50/60 Hz
- Refrigerant compatability: HFC, HCFC, CFC
- Oil temperature: 180° F Max.
- Operating ambient temperature: 120° F Max.
- Oil supply fitting: 1/4' male SAE
- Transformer VA requirements*: 25"

* Field supplied transformer should always be of the same primary voltage as the electrical supply system.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92650	OMB-JB1 CRANKCASE OIL MANAGEMENT CONTROL WITH JUNCTION BOX	
1	EA	92651	OMB-M01 CRANKCASE OIL MANAGEMENT CONTROL W/ RELIEF CONNECTION	

White-Rodgers 211C Industrial Solenoids



These industrial solenoid valves are approved for use with fluids utilized in secondary loops such as Propylene Glycol and Tyfoxit. The recommended seat material is Buna-N. In addition to air, water, and steam, the following is a listing of secondary loop fluids that are compatible with these valves: Ethylene and Propylene Glycol, Tyfoxit, Siltherm XLT, HFE, Dowfrost, and Pekasol

Applications

- Air, water and steam
- 2-way normally closed

Model No.	Product Code	Pipe Size	Orifice Size	MOPD Hot Water/ Steam	Cv	Max. AC Fluid Temp.	Elastomer
Brass General Purpose							
211CA1/2B5/8B	030626	1/2	5/8	100/100	3.6	180° F	Buna-N
211CA3/4B3/4B	030627	3/4	3/4	100/100	5.5	180° F	Buna-N
Brass: Hot Water (210° F) or Steam (to 250° F)							
211CA3/4B3/4P	032305	3/4	3/4	100/15	5.5	250° F	Ethylene Propylene Glycol

[1]With an ambient temperature of 77° F

Nomenclature

2	11	C	A	1/2	B	1/2	B
Valve Type 2 = 2 Way 3 = 3 Way	Product Group Two digits to define group	Gorm of Flow C = Normally Closed O = Normally Open U = Universal	Design Series Letter will be advanced to identify product changes	Pipe N.P.T. 1/8 inch thru 2 inch GS indicates non-standard	Body Material B = Brass S = Stainless Steel T – Stainless Steel with Silver Shading Band	Body Orifice 3/65" inch through 2"	Elastomer Code B = Buna-N

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93091	211CA 3/4BX3/4P VLV LESS COIL	
1	EA	93092	211CA-1/2 B 5/8B SOL VLV L/COIL	
1	EA	93095	211CA 3/4 B 3/4B SOL VLV L/COIL	

Other air, water, and steam solenoid valves are available. See your local Berkheimer representative for details and ordering information.

White-Rodgers Liquid Line Pre-Filter

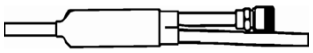
for POE Systems



- Liquid Line Filter optimal for POE systems
- Filter media that maximizes removal of particles
- Recovery, recycle, and reclaim filter
- Available with access fittings
- Available with extended ends
- Corrosion resistant paint finish
- Filtration: 40 microns
- Maximum working pressure: 600 psig

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
1	EA	94284	ALF-032MF 1/4 IN MXF FLARE LIQUID LINE PRE-FILTER			

White-Rodgers CU Liquid Line Filter Driers



Spun Copper

- Copper tubing of the highest quality and strength.
- 100% XH-9 molecular sieve for maximum water capacity.
- For use with R-134a, blends, and systems with conventional refrigerants.
- Recommended for use in original equipment or replacement residential, air-conditioning, or refrigeration equipment.
- 100 micron filtration.

Water Capacity in Drops

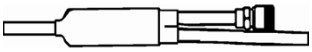
New Model No.	R-134a		R-22		R-404A/R-507	
	75°	125°	75°	125°	75°	125°
CU-619	25	23	25	22	23	23
CU-620	50	46	50	44	46	46

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
1	PKG	94287	CU200 STEPPED FITTINGS COPPER SPUN DRIER			
1	EA	94280	CU 619 STD 1/4 X CAP COPPER SPUN			

EMERSON
Climate Technologies

CU Liquid Line Filter Driers

Spun Copper



- Copper tubing of the highest quality and strength.
- 100% XH-9 molecular sieve for maximum water capacity.
- For use with R-134a, blends, and systems with conventional refrigerants.
- Recommended for use in original equipment or replacement residential, air-conditioning, or refrigeration equipment.
- 100 micron filtration.

Specifications

Old Alco Model No.	New Model No.	Product Description	Parker Equivalent	Length in Inches	Outer Diameter
A-TL-10-VC	CU-619	Access Valve	619	8-7/8"	3/4"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
1	EA	94288	A-TL-10 1/4 SPUN DRIER			

White-Rodgers EK Liquid Line Filter Driers



Extra-Klean filter-dryers are specifically designed to protect the refrigerant system from liquid and solid contaminants. They incorporate a desiccant specially formulated and blended for maximum moisture and acid removal.

- Filtration first for more effective use of surface area of desiccant.
- Desiccant blend: 75% molecular sieve and 25% activated alumina.
- Soluble contaminant capacities for water and acid.
- Cushioned flow for non-turbulent performance.
- Process controlled fiberglass filter network for premium filtration.
- UL Listed: File No. SA3124. CSA Certified: File No. LR32462 and LR100624.
- Safe Working Pressure: 600 psig.
- New fittings for easy installation: Copper O (sizes 5 through 75 cubic inch); burnished SAE.

Nominal System Tonnage

Model No.	Refrigeration Low Temp. & Commercial Installations			Air Conditioning					
				Field Replacement and Field Installations			OEM Self-Contained Equipment		
	R-134a	R-22	R-404A/R-507	R-134a	R-22	R-404A/R-507/R-410A	R-134a	R-22	R-404A/R-507
EK-032 EK-032S EK-033S	1/2	1/2	1/2	1	1-1/2	1-1/2	3/4	1	3/4
EK-052 EK-052S	3/4	3/4	1/2	1	1-1/2	1-1/2	1	1	1
EK-053 EK-053S	1-1/2	2	1-1/2	3	4	4	2	3	2
EK-082 EK-082S	1	1	3/4	1-1/2	2	2	1	1-1/2	1
EK-083 EK-083S	2	3	2	4	5	5	3	4	3
EK-084 EK-084S	2	4	2	5	7-1/2	7-1/2	4	5	4
EK-162 EK-162S	1-1/2	2	1	1-1/2	2	2	2	2-1/2	2
EK-163 EK-163S	3	5	3	4	5	5	4	5	3
EK-164 EK-164S	3	5	3	5	10	10	5	7-1/2	5
EK-165 EK-165S	3	7-1/2	3	7-1/2	12	12	7-1/2	10	7-1/2
EK-167S	3	4	3	5	7-1/2	5	10	12-1/2	10
EK-303 EK-303S	4	5	3	4	6	6	4	5	4
EK-304 EK-304S	4	7-1/2	4	7-1/2	10	10	7-1/2	7-1/2	5
EK-305 EK-305S	7-1/2	10	5	10	15	15	10	15	7-1/2
EK-306S EK-307S	7-1/2	10	5	18	24	24	15	20	12-1/2
EK-309S	7-1/2	15	5	20	26	26	15	20	15
EK-414 EK-414S	4	5	5	7-1/2	12	12	7-1/2	7-1/2	5
EK-415 EK-415S	7-1/2	7-1/2	7-1/2	12	18	18	10	15	7-1/2
EK-417S	10	10	7-1/2	18	25	7-1/2	15	20	12-1/2
EK-419S	10	12	10	20	27	27	20	25	15
EK-757S	20	25	15	22	30	30	20	25	15
EK-759S	22	30	20	25	34	34	25	30	20

Continued on the Following Page

Flare Connections

Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
1/4	12	EA	94216	EK-032SV-CAP 1/4 SWEAT X CAPILLARY LIQUID LINE FILTER DRIER			
1/4	25	EA	94217	EK-032MF 1/4 FLARE LIQUID LINE FILTER DRIER			
1/4	25	EA	94219	EK-032FM 1/4 FLARE LIQUID LINE FILTER DRIER			
1/4	25	EA	94220	EK-032 1/4 FLARE LIQUID LINE FILTER DRIER			
1/4	25	EA	94222	EK-052 1/4 FLARE LIQUID LINE FILTER DRIER			
3/8	25	EA	94223	EK-053 3/8 FLARE LIQUID LINE FILTER DRIER			
1/4	1	EA	94224	EK-082 1/4 FLARE LIQUID LINE FILTER DRIER			
3/8	25	EA	94225	EK-083 3/8 FLARE LIQUID LINE FILTER DRIER			
1/2	25	EA	94227	EK-084 1/2 FLARE LIQUID FILTER DRIER			
1/4	25	EA	94229	EK-162 1/4 FLARE LIQUID LINE FILTER DRIER			
3/8	25	EA	94230	EK-163 3/8 FLARE LIQUID LINE FILTER DRIER			
1/2	25	EA	94232	EK-164 1/2 FLARE LIQUID LINE FILTER DRIER			
5/8	25	EA	94235	EK-165 5/8 FLARE LIQUID LINE FILTER DRIER			
3/8	10	EA	94240	EK-303 3/8 FLARE LIQUID LINE FILTER DRIER			
1/2	10	EA	94241	EK-304 1/2 FLARE LIQUID LINE FILTER DRIER			
5/8	10	EA	94242	EK-305 5/8 FLARE LIQUID LINE FILTER DRIER			
1/2	10	EA	94264	EK-414 1/2 FLARE LIQUID FILTER DRIER			
5/8	10	EA	94274	EK-415 5/8 FLARE LIQUID FILTER DRIER			

ODF-ODM Sweat Connections

3/8	25	EA	94218	EK-033S 3/8 SWEAT LIQUID FILTER DRIER			
1/4	25	EA	94221	EK-032S 1/4 SWEAT LIQUID LINE FILTER DRIER			
3/8	25	EA	94226	EK-083S 3/8 SWEAT LIQUID LINE FILTER DRIER			
1/2	25	EA	94228	EK-084S 1/2 SWEAT LIQUID FILTER DRIER			
3/8	25	EA	94231	EK-163S 3/8 SWEAT LIQUID LINE FILTER DRIER			
1/2	25	EA	94233	EK-164S 1/2 SWEAT LIQUID LINE FILTER DRIER			
3/8	25	EA	94234	EK-053S 3/8 SWEAT LIQUID LINE FILTER DRIER			
5/8	25	EA	94236	EK-165S 5/8 SWEAT LIQUID LINE FILTER DRIER			
1/2	10	EA	94237	EK-304S 1/2 SWEAT LIQUID LINE FILTER DRIER			
7/8	25	EA	94238	EK-167S 7/8 SWEAT LIQUID FILTER DRIER			
3/8	10	EA	94239	EK-303S 3/8 SWEAT LIQUID LINE FILTER DRIER			
5/8	10	EA	94244	EK-305S 5/8 SWEAT LIQUID LINE FILTER DRIER			
3/4	10	EA	94245	EK-306S 3/4 SWEAT LIQUID FILTER DRIER			
7/8	10	EA	94251	EK-307S 7/8 SWEAT LIQUID FILTER DRIER			
1-1/8	10	EA	94259	EK-309S 1-1/8 LIQUID LINE FILTER DRIER			
5/8	10	EA	94275	EK-415S 5/8 SWEAT LIQUID FILTER DRIER			
7/8	10	EA	94276	EK-417S 7/8 SWEAT LIQUID FILTER DRIER			
7/8	6	EA	94278	EK-757S 7/8 SWEAT LIQUID FILTER DRIER			
1-1/8	6	EA	94279	EK-759S 9/8 SWEAT LIQUID FILTER DRIER			
1/4	25	EA	94292	EK-052S 1/4 SWEAT LIQUID LINE FILTER DRIER			
1/4	25	EA	94293	EK-082S 1/4 SWEAT LIQUID LINE FILTER DRIER			
1/4	25	EA	94294	EK-162S 1/4 SWEAT LIQUID LINE FILTER DRIER			

Oil Filter Drier

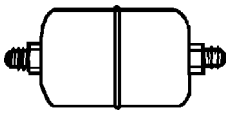
3/8	1	EA	94389	AOFD553 3/8 OIL FILTER DRIER			
3/8	1	EA	94390	AOF-303 OIL FILTER			

ADK Core Style Liquid Line Filter Drier

5/8	1	EA	94200	ADK - 165 FILTER DRIER PCN# 059842			

EMERSON
Climate Technologies

BFK Bi-Flow Heat Pump Filter Drier



Provides heat pump system protection in heating and cooling cycles. It reduces complex piping and resulting costs.

- Internal check valves allow flow and filtration in either direction. External check valves eliminated.
- Lightweight and compact, it may be installed in any position.
- Provides effective removal of moisture, acid, and solid contaminants.
- Desiccant blend: 75% molecular sieve and 25% activated alumina.
- Reduces compressor maintenance.
- Dimensionally equivalent to Alco's conventional single-flow filter driers.
- UL Listed: File No. SA 3124.
- CSA Listed: LR 100624 and LR32462.

Model Number	Flow Capacity[1] Tons @ 1 PSIG D P Refrigerant			Water Capacity[2] Drops/R-22[3]		Water Capacity Drops/R-410A		Liquid Refrigerant Capacity By Weight (Ounces) R-22	
	R-134a	R-22	R-404A/R-507	75° F	125° F	75° F	125° F	75° F	125° F
BFK-083S	4.7	5.1	3.3	159	144	85	75	7.7	6.9
BFK-163S	4.8	5.2	3.4						
BFK-164S	7.5	8.1	5.3	323	294	178	160	14.2	12.7
BFK-165S	8.0	8.7	5.7						

[1] All ratings in accordance with ARI standard 710-86 2

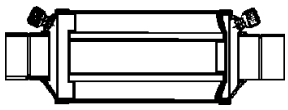
[2] Water Capacities are based on: Equilibrium Point Dryness of 60 Parts Per Million for R-22.

[3] 20 drops of water = 1 gram = 1 cc.

Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
3/8 ODF	25	EA	94207	BFK-083S 3/8 ODF BI-FLOW HEAT PUMP FILTER DRIER			
3/8 ODF	25	EA	94210	BFK-163S 3/8 ODF BI-FLOW HEAT PUMP FILTER DRIER			
1/2 ODF	25	EA	94211	BFK-164S 1/2 ODF BI-FLOW HEAT PUMP FILTER DRIER			
5/8 ODF	25	EA	94209	BFK-165S FILTER DRIER			

EMERSON
Climate Technologies

ASF Plus Suction Line Filter



- Protects compressor from dirt and solid contaminants.
- Rugged steel shells for shock resistance.
- Low pressure drop—full flow fittings.
- Dual access valves.
- Full copper fittings—easy to sweat in.
- Corrosion resistant epoxy powder paint finish.
- Filtration Recommendation: 40 microns.
- Maximum working pressure: 500 psig.
- U.L. Listed: File No. SA3124.
- CSA Listed: File No. LR32462.

Model Number	Flow Capacity[1] in Tons @ 1 PSI D P Refrigerant													
	R-134a						R-22				R-404A/R-507			
	Evaporator Temperature ° F													
	40	20	0	-20	40	20	0	-20	-40	40	20	0	-20	-40
	Pressure Drop PSI													
	2	1.5	1	.05	3	2	1.5	1	0.5	3	2	1.5	1	0.5
ASF35S5-VV	3.3	2.2	1.5	1.2	6.6	3.7	2.6	1.9	1.6	6.1	3.2	2.0	1.4	1.0
ASF45S7VV	6.7	4.7	3.1	1.7	12.1	8.0	5.6	3.6	2.0	9.8	6.3	4.5	2.8	1.5
ASF50S9-VV	9.5	6.7	4.3	2.3	19.1	12.2	8.2	4.9	2.6	15.8	10.0	6.7	4.0	2.0
ASF75S13-VV	13.5	9.5	6.3	3.4	24.9	15.7	10.6	6.7	3.3	20.8	12.8	8.4	5.2	2.7

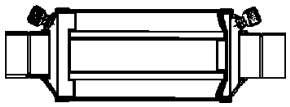
[1] All ratings in accordance with ARI standard 730-86.

Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
5/8 ODF	1	EA	94374	ASF35S5-VV 5/8 ODF SUCT LINE FILTER			
7/8 ODF	10	EA	94376	ASF45S7-VV 7/8 ODF SUCTION LINE FILTER			
1-1/8 ODF	10	EA	94377	ASF50S9-VV 1-1/8 ODF SUCTION LINE FILTER			
1-5/8 ODF*	6	EA	94378	ASF75S13-VV 1-5/8/ SUCTION LINE FILTER			

* Maximum working pressure: 400 psig.

EMERSON
Climate Technologies

ASF Plus Suction Line Filter



- Protects compressor from dirt and solid contaminants.
- Rugged steel shells for shock resistance.
- Low pressure drop—full flow fittings.
- Dual access valves.
- Full copper fittings—easy to sweat in.
- Corrosion resistant epoxy powder paint finish.
- Filtration Recommendation: 40 microns.
- Maximum working pressure: 500 psig.
- U.L. Listed: File No. SA3124.
- CSA Listed: File No. LR32462.

Model Number	Flow Capacity[1] in Tons @ 1 PSI D P Refrigerant													
	R-134a						R-22			R-404A/R-507				
	Evaporator Temperature ° F													
	40	20	0	-20	40	20	0	-20	-40	40	20	0	-20	-40
	Pressure Drop PSI													
	2	1.5	1	.05	3	2	1.5	1	0.5	3	2	1.5	1	0.5
ASF75S11VV	12.0	8.7	5.6	3.0	24.0	15.0	10.0	6.5	3.2	20.0	13.0	8.3	5.1	2.6

[1] All ratings in accordance with ARI standard 730-86.

Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
1-3/8 ODF	10	EA	94375	ASF75S11-VV SUCT LINE FILTER			

* Maximum working pressure: 400 psig.

EMERSON
Climate Technologies

ASD Suction Line Filter Driers



ASD suction line-filter dryers incorporate a dessicant specially blended for maximum moisture and acid removal. These models are specially suited for system clean-up after a burnout, or when major work has been performed on the system.

- Rugged steel shells for shock resistance.
- Corrosion resistant finish.
- Low pressure drop; full flow fittings.
- Filtration to less than 10 microns.
- Full copper fittings are easy to sweat in.
- Safe working pressure to 500 psig.
- UL Listed: File No. SA 3124.

Model Number	Flow Capacity[1] in Tons @ 1 PSI D P Refrigerant													
	R-134a						R-22				R-404A/R-507			
	Evaporator Temperature ° F													
	40	20	0	-20	40	20	0	-20	-40	40	20	0	-20	-40
	Pressure Drop PSI													
	2	1.5	1	.05	3	2	1.5	1	0.5	3	2	1.5	1	0.5
ASD 28S3-VV	1.1	.62	.51	.39	2.3	1.3	.87	.64	.52	2.1	1.1	.68	.45	.33
ASD 28S4-VV	1.9	1.2	.83	.63	3.8	2.1	1.4	1.0	.83	3.6	1.8	1.1	.74	.53
ASD 35S5-VV	2.9	1.9	1.3	1.0	5.8	3.2	2.2	1.6	1.0	5.4	2.8	1.7	1.1	.84
ASD 45S6-VV	3.9	2.5	1.7	1.1	7.0	4.6	3.2	2.0	1.1	6.4	3.7	2.5	1.6	1.0
ASD 45S7-VV	5.1	3.5	2.2	1.3	9.2	6.0	4.1	2.6	1.4	7.5	4.8	3.3	2.0	1.1
ASD 50S9-VV	7.3	4.9	3.0	1.6	13.2	8.5	5.7	3.5	1.87	10.9	6.9	4.6	2.8	1.4
ASD 75S11-VV	8.8	5.8	3.5	1.8	16.2	10.2	6.7	4.0	2.0	13.6	8.4	5.4	3.2	1.6
ASD 75S13-VV	9.3	6.1	3.7	1.9	17.3	10.7	7.0	4.2	2.1	14.5	8.9	5.7	3.4	1.7

1All ratings in accordance with ARI standard 730-86.

Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
3/8 ODF	10	EA	94329	ASD28S3-VV 3/8ODF SUCT LINE DRIER			
1/2 ODF	10	EA	94330	ASD28S4-VV 1/2ODF SUCT LINE DRIER			
5/8 ODF	10	EA	94331	ASD35S5-VV 5/8ODF SUCT LINE DRIER			
3/4 ODF	10	EA	94332	ASD45S6-VV 3/4ODF SUCT LINE DRIER			
7/8 ODF	10	EA	94333	ASD45S7-VV 7/8 ODF SUCTION LINE DRIER			
1-1/8 ODF	10	EA	94334	ASD50S9-VV 1 1/8ODF SUCT LINE DRIER			
1-3/8 ODF	6	EA	94335	ASD75S11-VV 1 3/8ODF SUCT LINE DRIER			
1-5/8 ODF	6	EA	94336	ASD75S13-VV 1 5/8ODF SUCT LINE DRIER			

EMERSON
Climate Technologies

SFD Suction Line Filter Driers



SFD suction line-filter dryers incorporate a dessicant specially blended for maximum moisture and acid removal. These models are specially suited for system clean-up after a burnout, or when major work has been performed on the system.

- Full copper fittings are easy to sweat in.
- Dual access valves.
- Rugged steel shells for shock resistance.
- Corrosion resistant finish.
- Low pressure drop; full flow fittings.
- Maximum working pressure 400 psig.
- UL Listed: File No. SA 3124.

SFD Flow Capacity in Tons at Listed Conditions*

Model Number	Flow Capacity[1] in Tons @ 1 PSI D P Refrigerant													
	R-134a						R-22				R-404A/R-507			
	Evaporator Temperature ° F													
	40	20	0	-20	40	20	0	-20	-40	40	20	0	-20	-40
	Pressure Drop PSI													
	2	1.5	1	.05	3	2	1.5	1	0.5	3	2	1.5	1	0.5
SFD-13S3-VV	1.3	0.8	0.5	0.2	2.2	1.3	0.8	0.5	0.2	1.9	1.1	0.7	0.4	0.2
SFD-13S4-VV	2.3	1.5	1.0	0.5	3.5	2.3	1.6	1.0	0.6	3.0	1.9	1.3	0.8	0.4
SFD-13S5-VV	3.1	2.1	1.3	0.7	4.9	3.2	2.2	1.4	0.8	4.2	2.7	1.8	1.1	0.6
SFD-13S6-VV	4.1	2.7	1.7	0.9	6.4	4.2	2.8	1.8	1.0	5.6	3.5	2.3	1.4	0.7
SFD-13S7-VV	4.4	3.0	1.9	1.0	7.2	4.6	3.0	1.9	1.0	6.3	3.9	2.6	1.5	0.8

[1] All ratings in accordance with ARI standard 730-86.

Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
3/8 ODF	1	EA	94364	SFD13S3-VV 3/8 ODF SUCT LINE FILTER DRIER			
1/2 ODF	1	EA	94365	SFD13S4-VV 1/2 ODF SUCT LINE FILTER DRIER			
3/4 ODF	10	EA	94361	SFD13S6-VV 3/4 ODF SUCT LINE FILTER DRIER			
5/8 ODF	10	EA	94360	SFD13S5-VV 5/8 ODF SUCT LINE FILTER DRIER			
7/8 ODF	10	EA	94362	SFD13S7-VV 7/8 ODF SUCT LINE FILTER DRIER			

White-Rodgers

STAS Steel Take-Apart Shell Filter Driers

For Liquid and Suction Line Service



These large capacity devices offer the flexibility of using either replaceable filter cores as protection against solid contaminants, or replaceable filter-drier blocks for protection against acid, moisture, and solids. They provide high liquid line flow capacities for larger air-conditioning and refrigeration jobs.

Features

- Simplified internal hardware for easy installation.
- Full flow fittings for low pressure drop.
- Corrosion-resistant epoxy paint finish.
- Sturdy steel shells for long life durability.
- Safe working pressure: 500 psig.
- UL Listed: File No. SA 3124.
- CSA Certified: File No. LR 32462 and LR 100624.

For Liquid Line Service

Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
5/8 ODF	1	EA	94402	STAS-485T SHELL			
7/8 ODF	1	EA	94403	STAS-487T SHELL			
7/8 ODF	1	EA	94405	STAS-967T SHELL			
1-1/8 ODF	1	EA	94404	STAS-489T SHELL			
1-1/8 ODF	1	EA	94406	STAS-969T SHELL			
1-3/8 ODF	1	EA	94407	STAS-9611T SHELL			
1-3/8 ODF	1	EA	94415	STAS-4811T SHELL			
1-5/8 ODF	1	EA	94416	STAS-4813T SHELL			

For Suction Line Service

1-3/8 ODF	1	EA	94426	STAS-4811S-V SHELL			
1-5/8 ODF	1	EA	94421	STAS-4813S-V SHELL			
2-1/8 ODF	1	EA	94428	STAS-9617S-V SHELL			
2-1/8 ODF	1	EA	94422	STAS-4817S-V SHELL			
2-5/8 ODF	1	EA	94423	STAS-9621S-V SHELL			

White-Rodgers STAS Filter Drier Ratings

STAS Liquid Line Filer-Drier Ratings

Model No.	Unit Size	Flow Capacity[1] Tons 1 PSIG D P				Suggested Nominal System Tonnage[1] Refrigeration Low Temp. & Commercial Installations			Air Conditioning Field Replacement and Field Installations			Air Conditioning OEM Self-Contained Equipment		
		R-134A	R-22	R-404A/ R-507	R-410A	R-134A	R-22	R-404A/ R-507	R-134A	R-22/R-407 C/R-410A	R-404A / R-507	R-134A	R-22	R-404A/ R-507
STAS-485T	48	19	21	14	22	8	10	8	8	10	8	13	15	10
STAS-487T		35	38	25	41	10	13	10	10	12.5	10	15	20	13
STAS-489T		49	53	36	58	10	15	10	10	15	10	15	20	15
STAS-4811T		56	61	41	80	13	20	13	13	20	13	20	25	15
STAS-967T	96	38	41	28	45	20	25	15	20	25	15	25	35	20
STAS-969T		58	63	42	71	25	30	20	25	30	20	35	45	25
STAS-9611T		73	79	53	86	30	35	25	30	35	25	35	45	30

[1] Suggested nominal tonnage selection. By type or application. R-22 ratings in accordance with ARI standard 710-86.

STAS Suction Line Filter Ratings

Model Number	Flow Capacity[1] in Tons @ 1 PSI D P Refrigerant													
	R-134a						R-22				R-404A/R-507			
	Evaporator Temperature ° F													
	40	20	0	-20	40	20	0	-20	-40	40	20	0	-20	-40
	Pressure Drop PSI													
	2	1.5	1	.05	3	2	1.5	1	0.5	3	2	1.5	1	0.5
STAS-4811 S-V	10	7	4	2	18	11	8	5	2	17	10	6	4	3
STAS-4813 S-V	13	8	5	3	23	13	10	6	3	20	12	7	5	4
STAS-4817 S-V	17	10	7	4	31	20	13	7	3	27	17	10	6	5
STAS-9617 S-V	18	12	6	4	33	20	13	8	4	27	17	11	7	5
STAS-9621 S-V	25	17	10	5	47	28	18	11	6	40	23	17	10	7

[1] Capacities are based on 100°F liquid refrigerant temperature and suction gas superheated 10°F.

EMERSON
Climate Technologies

STAS Steel Take-Apart Shell Filter Driers

For Liquid and Suction Line Service



These large capacity devices offer the flexibility of using either replaceable filter cores as protection against solid contaminants, or replaceable filter-drier blocks for protection against acid, moisture, and solids. They provide high liquid line flow capacities for larger air-conditioning and refrigeration jobs.

Features

- Simplified internal hardware for easy installation.
- Full flow fittings for low pressure drop.
- Corrosion-resistant epoxy paint finish.
- Sturdy steel shells for long life durability.
- Safe working pressure: 500 psig.
- UL Listed: File No. SA 3124.
- CSA Certified: File No. LR 32462 and LR 100624.

Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
1-3/8 ODF	1	EA	94410	STAS-14411T SHELL			
1-5/8 ODF	1	EA	94419	STAS-14413T SHELL			

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Replaceable Filter Drier Cores and Blocks

For ADKS and STAS Filter Drier Shells



Liquid and suction filter cores (F48R, F-100) and desiccant blocks (D-48, H-48, UK-48, W-48, H-100, W-100) fit interchangeably in type ADKS and STAS filter drier shells and all competitive shell type filter driers. These filter drier blocks protect the compressor from soluble and solid contaminants. To ensure efficient clean-up results, they feature exceptional acid and wax removal capacities, plus superior moisture pickup.

Use F filters in the suction line only. F filters are recommended as replacements after using a filter drier core.

Emerson	Danfoss	Sporlan	Parker	Virginia
D-48		RC-4864		
H-48	48-DC	RC-4864	PCK-48	VS-48H
UK-48	48-DM	RCW-4864	PCX-48	VS-48XH
W-48HH	48-DA	RCW-4864-HH	PCK-48HH	
H-100		RC-10098		VS-100H
W-100HH		RC-1009-HH		
		RCW-100		

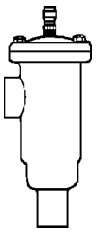
Model No.	Description	Water Capacity Drops[1]					
		R-134a		R-22		R-404A/R-507	
		75°	125°	75°	125°	75°	125°
W-100	Burnout Block	1240	865	848	590	930	630

[1] Water capacities are based on an Equilibrium Point Dryness of 15 ppm for R-12, 60 ppm for R-22, and 30 ppm for R-502. 20 drops of water = 1 gram = 1 cc.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
4	EA	94323	W-100HH REPL BLOCK		
4	EA	94309	F-100 FILTER CORE		

BTAS Brass Take-Apart Filter Driers

For Suction Line Service



Large capacity brass take-apart shells for suction line service are ideal for commercial refrigeration applications. Corrosion and rust resistant, with stainless steel bolts. These shells have the flexibility of using either filter-drier cartridges or filter cores.

- Full flow fittings for low pressure drop
- Corrosion free brass body
- Corrosion resistant stainless steel bolts
- Maximum working pressure: 400 psig
- UL Listed: File No. SA 3124

Filter Cores

For Alco Shell No.	Replaces Superior No.	For Superior Shell No.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
BTAS-2	F25A	2CFA	12	EA	94314	A2F FILTER CORE		

Filter-Drier Cartridge

For Alco Shell No.	Replaces Superior No.	For Superior Shell No.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
BTAS-2	DF25A	2CFA	12	EA	94318	A2FD FILTER DRIER		
BTAS-5	DF55A	5CFA	12	EA	94321	A5FD FILTER DRIER		

HMI Hermetic Moisture Indicator



Application

- The HMI was designed to provide an accurate method of determining the moisture content of a system's refrigerant.
- Unique 3% high accuracy moisture indicator for CFC, HCFC and HFC refrigerants, including R-410A.

Features

- Fully Hermetic Design.
- 3% relative humidity indication compared to 10% paper indicators.
- Single indicator for all common refrigerants.
- Accurate color calibration at low ppm levels and higher temperatures.
- Wide angle viewing/high visibility window for ease of monitoring.
- All brass corrosion resistant body.
- Solid copper fittings.

Style	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
M Flare x F Flare S Nut	12	EA	94346	HMI-1MU4 1/2 SAE-SWIVEL LIQ IND			

White-Rodgers Replaceable Filter Drier Cores and Blocks

For ADKS and STAS Filter Drier Shells



Liquid and suction filter cores (F48R) and desiccant blocks (D-48, H-48, UK-48, W-48, H-100) fit interchangeably in type ADKS and STAS filter drier shells and all competitive shell type filter driers. These filter drier blocks protect the compressor from soluble and solid contaminants. To ensure efficient clean-up results, they feature exceptional acid and wax removal capacities, plus superior moisture pickup.

Use F filters in the suction line only. F filters are recommended as replacements after using a filter drier core.

Emerson	Danfoss	Sporlan	Parker	Virginia
D-48		RC-4864		
H-48	48-DC	RC-4864	PCK-48	VS-48H
UK-48	48-DM	RCW-4864	PCX-48	VS-48XH
W-48HH	48-DA	RCW-4864-HH	PCK-48HH	
H-100		RC-10098		VS-100H

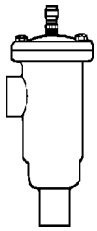
Model No.	Description	Water Capacity Drops[1]					
		R-134a		R-22		R-404A/R-507	
		75°	125°	75°	125°	75°	125°
D-48	High Acid Remover	415	340	363	255	457	343
F-48R	Filter (Suction Only) Reverse Flow	N/A	N/A	N/A	N/A	N/A	N/A
H-48	High Acid & Water Remover	676	538	597	436	721	535
H-100	High Acid & Water Remover	1112	834	962	673	1199	839
UK-48	Premium Universal	1272	1168	1181	1072	1319	1241
W-48HH	Burnout Block	387	294	335	226	417	289

[1] Water capacities are based on an Equilibrium Point Dryness of 15 ppm for R-12, 60 ppm for R-22, and 30 ppm for R-502. 20 drops of water = 1 gram = 1 cc.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	94326	D-48 STANDARD REPL BLOCK		
12	EA	94307	F-48R FILTER CORE		
12	EA	94324	H-48 HIGH CAPACITY REPL BLOCK		
4	EA	94325	H-100 REPL BLOCK		
12	EA	94322	UK-48 REPL BLOCK		
12	EA	94327	W-48HH BURNOUT REPL BLOCK		

White-Rodgers BTAS Brass Take-Apart Filter Driers

For Suction Line Service



Large capacity brass take-apart shells for suction line service are ideal for commercial refrigeration applications. Corrosion and rust resistant, with stainless steel bolts. These shells have the flexibility of using either filter-drier cartridges or filter cores.

- Full flow fittings for low pressure drop
- Corrosion free brass body
- Corrosion resistant stainless steel bolts
- Maximum working pressure: 400 psig
- UL Listed: File No. SA 3124

Filter Cores

For Alco Shell No.	Replaces Superior No.	For Superior Shell No.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
BTAS-3	F35A	3CFA	12	EA	94315	A3F FILTER CORE		
BTAS-4	F45A	4CFA	12	EA	94316	A4F FILTER CORE		
BTAS-5	F55A	5CFA	12	EA	94317	A5F FILTER CORE		

White-Rodgers BVS Ball Valves



- Forged brass body
- Compact, lightweight, hermetic design
- Compatible with HCFC and HFC refrigerants/lubricants including R-410A and CO_2
- Full flow design
- Bi-directional flow characteristics
- Valve stem cap retained by strap attached to main body
- Integrated access port available on all sizes
- Low operating friction design

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94451	BVS 014 1/4 IN BALL VALVES W/ACCESS FITTINGS	
1	EA	94452	BVS 038 3/8 IN BALL VALVES W/ACCESS FITTINGS	
1	EA	94453	BVS 012 1/2 IN BALL VALVES W/ACCESS FITTINGS	
1	EA	94454	BVS 058 5/8 IN BALL VALVES W/ACCESS FITTINGS	
1	EA	94455	BVS 078 7/8 IN BALL VALVES W/ACCESS FITTINGS	
1	EA	94456	BVS 118 1-1/8 IN BALL VALVES W/ACCESS FITTINGS	
1	EA	94457	BVS 138 1-3/8 IN BALL VALVES W/ACCESS FITTINGS	
1	EA	94458	BVS-158 1-5/8 IN BALL VALVES W/ACCESS FITTINGS	
1	EA	94437	BVS-218 2-1/8 IN BALL VALVES W/ACCESS FITTINGS	

White-Rodgers HMI Hermetic Moisture Indicators



Application

- The HMI was designed to provide an accurate method of determining the moisture content of a system's refrigerant.
- Unique 3% high accuracy moisture indicator for CFC, HCFC and HFC refrigerants, including R-410A.

Features

- Fully Hermetic Design.
- 3% relative humidity indication compared to 10% paper indicators.
- Single indicator for all common refrigerants.
- Accurate color calibration at low ppm levels and higher temperatures.
- Wide angle viewing/high visibility window for ease of monitoring.
- All brass corrosion resistant body.
- Solid copper fittings.

Style	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-24	PC-3 25
Swivel Nut x Swivel Nut	1	EA	94338	HMI-1MM5 5/8 SAE LIQ IND PCN 065394			
Female Flare x Male Flare	12	EA	94342	HMI-1FM2 1/4 SAE LIQ IND			
Female Flare x Male Flare	12	EA	94343	HMI-1FM3 3/8 SAE LIQ IND			
Female Flare x Male Flare	12	EA	94344	HMI-1FM4 1/2 SAE LIQ IND			
ODF x ODF	12	EA	94373	HMI-1TT9 1-1/8 ODF LIQUID INDICATOR			
ODF with Extended Ends	15	EA	94379	HMI-1TT2 1/4 ODF LIQ IND			
ODF with Extended Ends	15	EA	94380	HMI-1TT3 3/8 ODF LIQ IND			
ODF with Extended Ends	15	EA	94381	HMI-1TT4 1/2 ODF LIQ IND			
ODF with Extended Ends	15	EA	94382	HMI-1TT5 5/8 ODF LIQ IND			
ODF with Extended Ends	15	EA	94383	HMI-1TT7 7/8 ODF LIQ IND			

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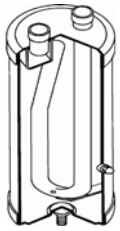
Flange Kit

For FA8 and EPRV Regulators

- Includes 2-bolt oval flanges, gaskets, bolts, and nuts.
- Compact design; needs little headroom.
- Minimum weight on pipe lines.
- Easily dismantled without taking body from line.
- Manual opening stems, 1/4" FPT gauge port, easily converted to external pilot connection.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	KIT	92853	RX173 FLANGE KIT	

White-Rodgers AAS Suction Accumulators



AAS accumulators feature an inlet deflector that blends refrigerant flow to prevent internal splashing and aid in the collection of refrigerant oil in the bottom connection of the accumulator.

It assures adequate oil return, return of refrigerant vapor only and prevents compressor failure due to liquid refrigerant entering the compressor.

- For use with HCFCs, HFCs and the lubricants that go with them.
- Designed to operate in a range of +40° F to -40° F evaporator temperature.
- Fusible plug on larger diameter units.
- Solid copper fittings.
- Corrosion resistant epoxy powder paint finish.

Dimensional Data

Model Number	Inlet Fitting Size Nominal	Unit Weight (Lbs)	Diameter (In)	Length (In)	Distance from Inlet Inlet to Outlet (In)	Tons R-22 (+40° F)	Holding Capacity (Lbs) 50% Full	
							40° F Liquid R-22/R-134a	40° F Liquid R-404A/R-507
A-AS 3 105[1]	5/8	2.4	3	10	1.63	3	2	2
A-AS 3 146[1]	3/4	3.3	3	14	1.63	4	3.5	2.75
A-AS 5 97	7/8	5.1	5	9	2.75	7.3	6	5.5
A-AS 5 137	7/8	7.1	5	13	2.75	7.3	8.5	8
A-AS 6 139	1-1/8	11.7	6	13	2.94	11.8	12	11
A-AS 6 2513	1-5/8	22.6	6	25	2.94	28.5	25	20

[1] Not supplied with a fusible plug.

Accumulator Capacity (Tons)

Model Number	R-22					R-404A/R-507				
	-40° F	-20° F	0° F	20° F	40° F	-40° F	-20° F	0° F	20° F	40° F
A-AS 3 105	0.5	0.8	1.4	2.1	3.0	0.4	0.6	1.2	1.6	2.0
A-AS 3 146	.72	1.1	1.8	2.8	4.0	0.4	0.7	1.5	2.0	2.6
A-AS 5 97	1.3	2.0	3.3	5.1	7.3	0.8	1.3	2.7	3.6	4.6
A-AS 5 137	1.3	2.0	3.3	5.1	7.3	0.8	1.3	2.7	3.6	4.6
A-AS 6 139	2.1	3.3	5.3	8.3	11.8	1.4	2.1	4.4	5.9	7.6
A-AS 6 2513			12.8	20.8	28.5	3.3	5.1	10.7	14.2	18.2

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94439	AAS-3-105 5/8 10" SUCTION ACCUMULATOR	
1	EA	94440	AAS-3-146 3/4 14" SUCTION ACCUMULATOR	
1	EA	94441	AAS-5-97 7/8 9" SUCTION ACCUMULATOR	
1	EA	94442	AAS-5-137 7/8 13" SUCTION ACCUMULATOR	
1	EA	94443	AAS-6-139 1-1/8 13" SUCTION ACCUMULATOR	
1	EA	94445	AAS-6-2513 1-5/8 25" SUCTION ACCUMULATOR	

Spun Copper Service Drier



Designed for evacuating and charging refrigeration systems, these driers are approved for systems not originally equipped with high side valve bodies. Gauges attach to high and low sides.

Model No.	Inlet Tube Size (In)	Outlet Tube Size (In)	Diameter (In)	Overall Length (In)	Tonnage	
					R-12/R-134a	R-22
620	5/16 OD / 1/4 ID	.127/.130 Cap Tube	1	9-1/2	1	2
MMS80	1/4 OD / 3/16 ID	1/4 OD / 3/16 ID	3/4	7-3/8	1/3	1/2

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25	EA	90446	620 DRIER	
100	EA	94090	MMS80(032402-00) 1/4 INCH COPPER SPUN DRIER W/ PLASTIC CAPS	

ORIT Evaporator Pressure Regulating Valve



- Adjustable: easy to tune to the exact system requirements
- Hermetic construction: no gasket or seals to leak
- Brass and copper construction: excellent corrosion resistance
- Inlet pressure tap: service and system friendly
- Inlet strainer: eliminates fouling by foreign debris
- Open on rise of inlet pressure
- Brass bellows element
- Copper ODF solder connection
- Brass SAE flare connection

Valve Type and Adj Range	Evaporator Design Temp (° F)	Saturation Pressure-psig Refrigerant				Refrigerant															
		22	134a	404A	507	22				134a				404A				507			
						Pressure Drop Across Valve - psi															
						2	5	10	20	2	5	10	20	2	5	10	20	2	5	10	20
ORIT-6	40	68.6	35.0	85.7	89.8	1.27	1.90	2.45	2.80	0.94	1.35	1.57	1.57	1.11	1.67	2.18	2.56	1.09	1.65	2.16	2.57
	30	54.9	26.1	69.7	73.3	1.14	1.69	2.13	2.31	0.82	1.15	1.26	1.26	0.98	1.47	1.88	2.10	0.97	1.45	1.87	2.13
	20	43.1	18.4	55.7	58.8	1.02	1.49	1.82	1.89	0.72	0.96	1.00	1.00	0.87	1.28	1.60	1.70	0.86	1.27	1.60	1.72
	10	32.9	12.0	43.5	46.2	0.90	1.29	1.51	1.52	0.61	0.78	0.79	0.79	0.76	1.10	1.33	1.36	0.75	1.10	1.34	1.38
	0	24.0	6.5	33.0	35.2	0.79	1.11	1.22	1.22	0.52	0.62	0.62	0.62	0.66	0.93	1.07	1.07	0.65	0.93	1.09	1.09
	-10	16.5	2.0	24.0	25.8	0.69	0.93	0.98	0.98	0.43	0.48	0.48	0.48	0.57	0.78	0.84	0.84	0.56	0.78	0.86	0.86
	-20	10.2	—	16.3	17.8	0.60	0.76	0.77	0.77	—	—	—	—	0.48	0.64	0.66	0.66	0.48	0.64	0.67	0.67
	-30	4.9	—	9.9	11.1	0.51	0.60	0.60	0.60	—	—	—	—	0.40	0.50	0.50	0.50	0.40	0.51	0.52	0.52
	-40	0.6	—	4.6	5.5	0.42	0.46	0.46	0.46	—	—	—	—	0.33	0.38	0.38	0.38	0.33	0.39	0.39	0.39

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94160	ORIT-6 30/100 7/8 EVAP PRESS REG 901180P VALVE	

CROT Crankcase Pressure Regulating Valves



The crankcase pressure regulating valves are designed to prevent overloading of the compressor motor by limiting the crankcase pressure during and after a defrost cycle or after a normal shutdown period. When properly installed in the suction line, these valves automatically throttle the vapor flow from the evaporator until the comperssor can handle the load.

- Close on rise of outlet pressure
- Pressure tap on outlet connection

Type and Adjustment Range	Design Evaporator Temp(° F)	Saturated Suction Pressure - psig	Pressure Crop Across valve (psi)																	
			.5						1						2					
			Valve Settings (psig)																	
			10	20	30	40	50	60	10	20	30	40	50	60	10	20	30	40	50	60
CRO(T)-6 0/60	**Refrigerant**		**R-22**																	
	-40	0.6	0.26	0.39	0.52	0.64	0.64	0.64	0.36	0.54	0.72	0.89	0.89	0.89	0.46	0.71	0.97	1.21	1.21	1.21
	-20	10.2	—	0.36	0.52	0.69	0.84	0.84	—	0.49	0.72	0.96	1.18	1.18	—	0.66	0.97	1.32	1.62	1.62
	-10	16.5	—	0.29	0.47	0.66	0.84	0.95	—	0.39	0.66	0.92	1.18	1.34	—	0.52	0.90	1.27	1.65	1.85
	0	24.0	—	—	0.38	0.59	0.80	1.01	—	—	0.52	0.82	1.12	1.42	—	—	0.71	1.13	1.55	1.97
	10	32.8	—	—	—	0.45	0.69	0.92	—	—	—	0.63	.96	1.30	—	—	—	0.86	1.33	1.81
	20	43.1	—	—	—	—	0.50	0.76	—	—	—	—	.70	1.07	—	—	—	—	0.96	1.48
	30	55.0	—	—	—	—	—	0.50	—	—	—	—	—	0.70	—	—	—	—	—	0.96
	Refrigerant		**R-134a**																	
	-40	14.7	0.23	0.31	0.39	0.40	0.40	0.40	0.29	0.41	0.53	0.55	0.55	0.55	0.35	0.51	0.68	0.71	0.71	0.71
	-20	3.6	0.25	0.37	0.48	0.56	0.56	0.56	0.34	0.50	0.66	0.78	0.78	0.78	0.43	0.66	0.88	1.05	1.05	1.05
	-10	2.0	0.25	0.38	0.51	0.64	0.65	0.65	0.34	0.52	0.71	0.89	0.91	0.91	0.43	0.69	0.95	1.21	1.24	1.24
	0	6.5	0.22	0.37	0.52	0.67	0.76	0.76	0.30	0.51	0.73	0.94	1.05	1.05	0.38	0.68	0.98	1.28	1.45	1.45
	10	12.0	—	0.34	0.51	0.69	0.85	0.87	—	0.46	0.71	0.95	1.19	1.21	—	0.62	0.95	1.30	1.64	1.67
	20	18.4	—	0.26	0.45	0.65	0.84	0.99	—	0.35	0.63	0.90	1.18	1.38	—	0.47	0.85	1.24	1.63	1.92
	30	26.1	—	—	0.35	0.56	0.78	1.01	—	—	0.48	0.79	1.10	1.41	—	—	0.64	1.08	1.52	1.96
	40	35.0	—	—	—	0.42	0.67	0.71	—	—	—	0.58	0.93	0.99	—	—	—	0.79	1.28	1.38
	Refrigerant		**R-404A**																	
	-40	4.6	0.16	0.26	0.36	0.46	0.49	0.49	0.22	0.36	0.50	0.63	0.68	0.68	0.28	0.48	0.67	0.86	0.94	0.94
	-20	16.3	—	0.20	0.33	0.46	0.60	0.67	—	0.28	0.46	0.62	0.85	0.93	—	0.37	0.63	0.89	1.17	1.30
	-10	24.0	—	—	0.27	0.42	0.58	0.72	—	—	0.37	0.59	0.81	1.01	—	—	0.51	0.81	1.13	1.40
	0	33.0	—	—	—	0.33	0.51	0.67	—	—	—	0.45	0.71	0.94	—	—	—	0.62	0.99	1.30
	10	43.5	—	—	—	—	0.38	0.55	—	—	—	—	0.52	0.78	—	—	—	—	0.72	1.08
	20	55.7	—	—	—	—	—	0.36	—	—	—	—	—	0.50	—	—	—	—	—	0.68
	Refrigerant		**R-507**																	
	-40	5.5	0.15	0.25	0.35	0.44	0.49	0.49	0.21	0.35	0.48	0.62	0.68	0.68	0.26	0.46	0.65	0.85	0.93	0.93
	-20	17.8	—	—	0.31	0.44	0.57	0.66	—	—	0.43	0.62	0.80	0.93	—	—	0.59	0.85	1.10	1.29
	-10	25.8	—	—	0.24	0.39	0.54	0.69	—	—	0.33	0.54	0.75	0.97	—	—	0.45	0.75	1.04	1.35
	0	35.2	—	—	—	0.29	0.45	0.63	—	—	—	0.40	0.63	0.88	—	—	—	0.54	0.87	1.23
	10	46.2	—	—	—	—	0.30	0.50	—	—	—	—	0.42	0.71	—	—	—	—	0.58	0.98

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94161	CROT-6 0/60 5/8 CC PRESS REG VALVE	
1	EA	94162	CROT-6 0/60 7/8 CRANKCASE PRESS REG VALVE	

P66 Pressure Actuated Electronic Fan Speed Control



The P66 is a pressure actuated electronic motor speed controller. This control can be used with single phase permanent split capacitor and shaded pole motors which are approved by the motor and equipment manufacturer for speed control applications. By directly sensing pressure, this device electronically varies the speed of a fan motor.

Controlling head pressure in the condensing section of a refrigeration system is a common application. Typical applications include computer room air conditioning, commercial air conditioning, and commercial refrigeration.

P66 is a single phase control that can only be used with single phase motors. When using this control on a 3-phase system, the 24 volt control circuit and the line voltage must be on the same phase.

Low Pressure Range: 80 to 200 psig.
Effective Throttling Range (ETR): 30 psi
High Pressure Range: 140 to 350 psig
Effective Throttling Range (ETR): 60 psi
Maximum Over Pressure: 450 psig
Control Voltage: 24 VAC, 1 VA.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75374	P66AAB-1C FAN SPEED CTL	

V46 Pressure Actuated Water Regulating Valves

Commercial Type for Non-corrosive Refrigerants



The V46 is a pressure actuated modulating valve that is suitable for use either on closed or open systems. Direct acting valves open on pressure increase.

This type of valve is primarily used to regulate the flow of water or glycol to a water cooled condenser on a refrigeration system (ice machines, computer room air conditioning units, ice cream machines, and refrigeration cases).

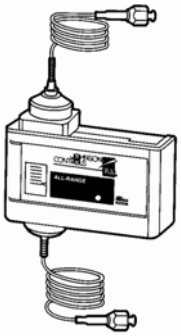
Reverse acting valves open on pressure decrease and are generally used for bypass or heat pump applications.

- **Max. Water Supply Press.:** 150 PSIG
- **Max. Bellows Pressure:**
  R-12: 230 PSIG
  R-22: 320 PSIG
- **Max. Water Temp.:** 170° F
- **Valve Body:** 3/8"to 3/4"cast brass, 1"and larger cast iron with a special finish.

Model No.	Pipe Size	Inlet and Outlet	Pressure Element Style	Service	Opening Point Adj. Range (PSIG)
V46AA-1	3/8" NPT	Threaded	30"Capillary, 1/4" Flare Nut (45)	All Range	70 to 260
V46AB-1	1/2" NPT	Threaded	30" Capillary, 1/4" Flare Nut (45)	All Range	70 to 260
V46AC-1	3/4" NPT	Threaded	30" Capillary, 1/4" Flare Nut (45)	All Range	70 to 260
V46AD-1	1" NPT	Threaded	30" Capillary, 1/4" Flare Nut (45)	All Range	70 to 260
V46AE-1	1-1/4" NPT	Threaded	30" Capillary, 1/4" Flare Nut (45)	All Range	70 to 260
V46AR-1	1-1/2"	4 Hole ASME Flange	30" Capillary, 1/4" Flare Nut (45)	All Range	70 to 260
V46AS-2	2"	4 Hole ASME Flange	1/4" Male Flare Fitting (5)	R-22, R-502	160 to 260
V46AC-26C	3/4" NPT	Threaded	1/4" Male Flare Fitting (5)	All Range	70 to 260

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75386	V46AA-1C 3/8IN WATER REG VALVE	
1	EA	75387	V46AB-1C 1/2IN WATER REG VALVE	
1	EA	75388	V46AC-1C 3/4IN WATER REG VALVE	
1	EA	75389	V46AD-1C 1IN WATER REG VALVE	
1	EA	75390	V46AR-1C 1 1/2IN WATER REG VALVE	
1	EA	75397	V46AE-1C 1 1/4IN WATER REG VALVE	
1	EA	75398	V46AS-2C 2IN WATER REG VALVE	
1	EA	75484	V46AC-26C 3/4IN WATER REG VALVE	

P28 Lube Oil Pressure Cutout Control



Series P28 provides dependable protection against major breakdowns on pressure lubricated refrigeration compressors by guarding against low tube oil pressure.

A built-in time delay switch, accurately compensated for ambient temperature, allows for pressure pick up on start and avoids nuisance shutdowns on pressure drops of short duration during the running cycle.

- Direct-reading scale indication.
- Adjustable setpoint
- Trip-free manual reset.
- Replacement timing relays available.
- Dust-tight contact enclosures.

Model No.	Time Delay	Heater Circuit VAC	Type of Reset	Range* psig (kPa)	Refrigerant	Pressure Connection
P28AA-17	120 Sec.	120/240	Manual	8 to 70 (55 to 483)	Non-corrosive all-range	36" Cap. with 1/4" Flare Nut

*Switch differential approximately 5 psi.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75381	P28AA-17C 120 SECOND OIL PROTECTION CONTROL		

P45 Lube Oil Pressure Cutout Control

For Use With Copeland Compressors



The P45 control provides dependable low lube oil cut-out for pressure lubricated refrigeration compressors. The factory set pressure setting provides operation to the compressor manufacturer's specification. A built-in time delay relay, compensated for ambient temperature, allows for pressure pick-up on start and avoids nuisance shut downs on short duration pressure losses during the running cycle.

- **Time Delay:** 120 seconds
- **Time Delay Heat Circuit**: 120/240 VAC
- **Pilot Duty**: 750 VA. 120/240 VAC
- **Range**: 7-60 psig
- **Max. Bellows Pressure:** 425psig (2930 kPa)
- **Refrigerant:** non-corrosive
- **Pressure Connection:** 36" Cap. with 1/4" flare nut
- **Manual Reset**
- **Factory Setting:** 9 psig (62 kPa)*

* Switch differential approximately 5 psi.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75391	P45NCA-12C 120 SECOND OIL PRESSURE CONTROL		

P545 Electronic Lube Oil Control

For Use With Copeland Compressors



The P545 control is designed for use on refrigeration compressors equipped with an oil pump that accepts a single-point differential pressure switch. Front-mount LEDs indicate the status of the lubrication system, and a user-selectable, minimum-off delay can be set to minimize compressor short cycling.

Single-pole Double-Throw (SPDT) relay contacts for liquid line solenoid and alarm applications allow liquid line solenoid to be closed if the P545 control shuts off the compressor due to low oil pressure; provides alarm indication, including circuits that use neon lights. Built-in test circuit verifies proper control operation quickly.

Jumper-selectable anti-short cycle time delays provide for a wide range of anti-short cycle strategies that meet most equipment requirements.

Time Delay: 120 seconds
Refrigerant: non-corrosive
Power Requirements: 120 or 240 VAC

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75236	P545NCB-22C ELECTRONIC LUBE OIL CONTROL	

JOHNSON CONTROLS

P70 Series Pressure Controls

Single Pole Low Pressure



P70 controls are for air conditioning and refrigeration applications. They control air, water, and oil pressure. The P70 Series of controls employs a set of SPST contacts that are opened and closed from the pressure actuated bellows. The load-carrying contacts provide direct control of AC motors within the control rating.

- Full adjustability through all pressure ranges.
- Minimum differential.
- Manual reset models are "trip-free".

Model No.	Switch Action	Range PSIG(kPa)	Differential PSI(kPa)	Pressure Connector	Limited Knob Adjustment	Max. Bellows Pressure PSIG(kPa)
"All Range" For R-12, R-22, R-500, R-502						
P70AB-1[1]	Close High Open Low	20" to 100 (-68 to 690)	Min. 7 (48) Max. 50(345)	1/4" Male Flare Conn.	Cutoff‡	325 (2241)
P70AB-2[2]	Close High Open Low	20" to 100 (-68 to 690)	Min. 6 (41) Max. 50 (345)	36" Cap. with 1/4" Flare Nut	Cutoff‡	325 (2241)
P70CA-1[3]	Open High Close Low	20" to 100 (-68 to 690)	Min. 6 (41) Max. 50 (345)	36" Cap. with 1/4" Flare Nut	None	325 (2241)

[1] Replaces Ranco 010-1401, 010-1831

[2] Replaces Ranco 010-1483

[3] Replaces Ranco 011-3099

‡ Adjusting knob supplied on differential (low side cutout setting) to limit adjustment 5 PSI (34kPa) above or below.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75375	P70AB-2C CLOSE HIGH:OPEN LOW PSIG 20 TO 100 PRESSURE CONTROL		
1	EA	75384	P70CA-1C SPST PRESSURE CONTROL		
1	EA	75473	P70AB-1C SPST PRESSURE CONTROL		

JOHNSON CONTROLS

P70 Series Pressure Controls

Single Pole High Pressure



P70 controls are for air conditioning and refrigeration applications. They control air, water, and oil pressure. The P70 Series of controls employs a set of SPST contacts that are opened and closed from the pressure actuated bellows. The load-carrying contacts provide direct control of AC motors within the control rating.

- Full adjustability through all pressure ranges.
- Minimum differential.
- A variety of pressure connection styles are available
- Manual reset models are "trip-free".

Model No.	Switch Action	Range PSIG(kPa)	Differential PSI(kPa)	Pressure Connector	Max. Bellows Pressure PSIG(kPa)
Head Pressure Fan Cycling					
P70AA-118*	Close High Open Low	100 to 400 (690 to 2758)	Min. 35 (241) Max. 200 (1379)	36" Cap. with 1/4" Flare Nut	500 (3447)
"All Range" for R-12, R-22, R-500, R-502					
P70CA-3	Open High Close Low	50 to 450 (345 to 3103)	Min. 60 (414) Max. 150 (1034)	36" Cap. with 1/4" Flare Nut	475 (3275)
P70DA-1	Open High Close Low	50 to 450 (345 to 3103)	Lockout (Requires Manual Reset)	36" Cap. with 1/4" Flare Nut	475 (3275)
"All Range" for R-410A					
P70AA-400	Condenser Fan Cycling Open Low	100 to 470 (689 to 3241)	Adjustable 35 to 200 (241 to 1379)	36" Cap. with 1/4" Flare Nut	690
P70DA-400	Open High	200 to 610 (1379 to 4206)	Manual Reset Lockout	36" Cap. with 1/4" Flare Nut	690

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75232	P70AA-400C ADJUSTABLE ON/OFF R410A PRESSURE CONTROL		
1	EA	75233	P70DA-400C R410A ADJUSTABLE ON/OFF PRESSURE CONTROL		
1	EA	75253	P70DA-1C PRESSURE CONTROL		
1	EA	75382	P70AA-118C SPST FAN CYCLING PRESSURE CONTROL		
1	EA	75383	P70CA-3C SPST PRESSURE CONTROL		

JOHNSON CONTROLS

P70 Series Pressure Controls

Single Pole Dual Pressure



P70 controls are for air conditioning and refrigeration applications. They control air, water, and oil pressure. The P70 Series of controls employs a set of SPST contacts that are opened and closed from the pressure actuated bellows. The load-carrying contacts provide direct control of AC motors within the control rating.

- Full adjustability through all pressure ranges.
- Minimum differential.
- A variety of pressure connection styles are available
- Manual reset models are "trip-free".

Model No.	Switch Action	Low Press. PSIG(kPa)		High Press. PSIG (kPa)		Pressure Connector	Limited Knob Adj.	Max. Bellows Press. PSIG(kPa)
		Range	Differential	Range	Diff. (Non-Adj.)			
Micro-Set for R-12, R-22, R-500, R-502								
P70LB-6C[1]	SPST	12" to 80 (-41 to 345)	Min. 5 (41) Max. 35 (241)	100 to 425 (690 to 2930)	Under 300 PSIG 55 PSI, Over 300 PSIG 65 PSI	36" Cap. w/ 1/4" Flare Nut	Cutout*	500 Low (3447) 475 High (3275)
"All Range" for R-12, R-22, R-500, R-502								
P70LB-1C[2]	SPST	20" to 100 (-68 to 690)	Min. 6 (41) Max. 50 (345)	100 to 425 (690 to 2930)	Under 300 PSIG 55 PSI, Over 300 PSIG 65 PSI	36" Cap. w/ 1/4" Flare Nut	Cutout*	325 Low (2241) 450 High (3103)
P70SA-1C[3]	SPST	20" to 100 (-68 to 690)	Min. 6 (41) Max. 5 (345)	100 to 425 (690 to 2930)	Lockout (Requires Manual Reset)	36" Cap. w/ 1/4" Flare Nut	None	325 Low (2241) 450 High (3103)
P70NA-1C[4]	SPST	20" to 100 (-68 to 690)	Lockout (Manual Reset)	100 to 425 (690 to 2930)	Lockout (Requires Manual Reset)	36" Cap. w/ 1/4" Flare Nut	None	325 Low (2241) 450 High (3103)

[1] Replaces Ranco 012-1505, 012-1506, 012-1554

[2] Replaces Ranco 012-1549

[3] Replaces Ranco 012-4834 4

[4] Replaces Ranco 012-1594

* Adjusting knob supplied on differential (low side cutout setting) to limit adjustment 5 PSI (34kPa) above or below.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75261	P70LB-6C SPST PRESSURE CONTROL		
1	EA	75262	P70NA-1C SPST PRESSURE CONTROL		
1	EA	75376	P70LB-1C SPST DUAL PRESSURE CONTROL		
1	EA	75385	P70MA-1C SPST DUAL PRESSURE CONTROL		

P145 Series Pressure Controls



P45 control provides dependable, low lube oil pressure protection for refrigeration compressors. The low-adjustable factory-set pressure setting provides operation to the compressor manufacturer's specification. A built-in time delay relay, compensated for ambient temperature, allows for pressure pick-up on start and avoids nuisance shutdowns on short duration pressure losses during the running cycle.

- Universal mounting
- Trip-Free manual reset
- Ambient compensated time delay

Model Number	Time Delay[1]	Heater Circuit VAC	Type of Reset	Max. Bellows Pressure psig (kPa)	Factory Setting psid (kPa)Fixed	Pressure Connection
For Use with Carlyle Compressors						
P145NCA-82C[2]	45 sec.	120/240	Manual	425 (2390)	6.5 (45)[3]	36 in. Cap. with ¼ in. Flare Nut ¼ in. Male Flare (Style 5)

1 Relay is not field-replaceable

2 Replaces Carlyle/Carrier Part No. HKCA-500, 6342050 with 36" SEC99A UltraCap

3 Switch differential is approximately 4.5 psi (34 kPa). Time delay energizes at 6.5 psi (45 kPa) pressure difference, de-energizes at 11 psi (76 kPa) difference.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75135	P145NCA-82C LUBE OIL PRESSURE CONTROL	131.27	122.40

P170 Series Pressure Controls



P70 controls are for air conditioning and refrigeration applications. They control air, water, and oil pressure. The P70 Series of controls employs a set of SPST contacts that are opened and closed from the pressure actuated bellows. The load-carrying contacts provide direct control of AC motors within the control rating.

- Full adjustability through all pressure ranges.
- Minimum differential.
- A variety of pressure connection styles are available
- Manual reset models are "trip-free".

Model No.	Switch Action	Low Press. PSIG(kPa)		High Press. PSIG (kPa)		Pressure Connector	Limited Knob Adj.	Max. Bellows Press. PSIG(kPa)
		Range	Differential	Range	Diff. (Non-Adj.)			
P170AA-118C	SPST	—	Min. 35 (241) Max. 200 (1379)	100 to 400 (690 to 2758)	—	1/4" Male Flare Conn.	Cutout	475 (3275)
P170AB-12C	SPST	12" to 80 (-41 to 551)	Min. 5 (34) Max. 35 (241)	—	—	1/4" Male Flare Conn.	Cutout	525 (3617)
P170LB-1*	SPST	20"to 100 (-68 to 690)	Min. 7 (48) Max. 50 (345)	100 to 500 (690 to 3447)	Fixed Approx. 65 (448)	1/4" Male Flare Conn.	Cutout	325 Low (2241) 525 High (3620)
P170LB-6*	SPST	12" to 80 (-41 to 552)	Min. 35 (241) Max. 200 (1379)	100 to 400 (690 to 2758)	Fixed Approx. 65 (448)	1/4" Male Flare Conn.	Cutout	475 (3275)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75401	P170AA-118C 100/400#PSIG 5BU DIFF ADJ .35/200# PRESSURE CONTROL		
1	EA	75400	P170AB-12C PRESSURE CONTROL		
1	EA	75405	P170LB-1C 20IN/100 PSIG PRESSURE CONTROL		
1	EA	75406	P170LB-6C 80 PSIG LS 5 BU RANGE 100/425 PSIG PRESSURE CONTROL		

SEC99A UltraCap Armored Capillary



The SEC99A UltraCap Armored Capillary is designed for use as a pressure connection in refrigeration and air-conditioning applications. This small orifice capillary minimizes pressure pulsation, and the brass armor sleeve improves resistance to abrasion caused by vibration. The copper capillary inside the armored sleeve allows no effusion of refrigerant to the environment.

Fittings

- Straight: 1/4 inch female flare connector with Schrader depressor.
- 90° Elbow: 1/4 inch female flare connect with Schrader depressor.
- Material: Forged brass nut with copper stem.
- UL Recognized: File SA9457, CCN SFCS2
- UL Recognized for Canada: SA9457, CCNSFCS8

Specifications

Model Number	Description	Capillary Diameters (In.)	Temp. Range	Burst Pressure	Max. Working Pressure	Suggested Torque to Seal
SEC99AA24C	Two straight fittings Length: 24 In.	Inside: 0.062 Outside: 0.125	-50 to 350 F	3000 psig (20685 kPa)	600 psig (4137 kPa)	8 to 10 lb. Ft.
SEC99AB24C	One straight and one 90 degree fitting Length: 24 In.					
SEC99AB-60C	One straight and one 90 degree fitting Length: 60 In.					

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75338	SEC99AB-60C 60IN ECO SAFE HOSE	
1	EA	75237	SEC99AA-24C 24IN TWO STRAIGHT FITTINGS SAFE HOSE	
1	EA	75238	SEC99AB-24C 24IN ONE STRAIGHT & ONE 90 FITTING SAFE HOSE	

P100 Encapsulated Pressure Switches



P100 switches are encapsulated, nonadjustable, SPST, direct mount controls for use with noncorrosive refrigerants. The controls are available with automatic reset in both open low and open high configurations and manual reset with open high action. Typical applications include low limit, high limit, and fan cycling control in commercial refrigeration, ice machines, and food service equipment.

- Compact size and light weight allow for direct mounting.
- Use with all non-corrosive refrigerants.
- 1/4 in. female flare fitting with built-in Schrader type depressor is standard.
- Encapsulated switch, dust tight.
- Trip-free manual reset (manual reset models) ¾contacts cannot be overridden by continued depression of the reset button.

Model No.	Switch Action	Application	Setting PSIG(kPa)		Robertshaw
			Opens	Closes	
P100AC-1C	Open on Fall	Low Cutout	5 (34)	20 (138)	—
P100AP-201C	Open on Fall	Low Cutout	10 (69)	32 (221)	3100-050
P100AP-2C	Open on Fall	Low Cutout	35 (241)	60 (414)	3100-004
P100AP-3C	Open on Fall	Fan Cycling	150 (1034)	225 (1551)	—
P100AP-4C	Open on Fall	Fan Cycling	170 (1172)	250 (1724)	—
P100AP-332C	Open on Fall	Fan Cycling	300 (2068)	400 (2758)	—
P100CC-9C	Open on Rise	High Cutout	275 (1896)	175 (1207)	—
P100CP-1C	Open on Rise	High Cutout	400 (2758)	300 (2068)	3100-151
P100CP-2C	Open on Rise	High Cutout	425 (2930)	325 (2241)	3100-100
P100CP-85C	Open on Rise	High Cutout	665 (4585)	565 (3896)	—
P100DA-1C	Open on Rise	High Limit	410 (2827)	Lockout Manual Reset	3100-103
P100DA-2C	Open on Rise	High Limit	475 (3275)	Lockout Manual Reset	3100-106
P100DA-81C	Open on Rise	High Limit	630 (4344)	Lockout Manual Reset	—
P100DA-86C	Open on Rise	High Limit	575 (3964)	Lockout Manual Reset	—
P100DC-3C*	Open on Rise	High Limit	375 (2586)	Lockout Manual Reset	—

* Includes conduit box with opening for 1/2 inch conduit connector.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75255	P100AC-1C OPEN 5/CLOSES 20 LOW CUTOUT PRESSURE SWITCH		
1	EA	75488	P100AP-201C OPEN 10/CL 32 LOW CUTOUT PRESSURE CONTROL		
1	EA	75800	P100AP-2C OPEN/35 CL/60 LOW CUTOUT PRESSURE CONTROL		
1	EA	75801	P100AP-3C OPEN 150/CL 225 FAN CYCLE PRESSURE SWITCH		
1	EA	75802	P100AP-4C OPEN 170/CL 250 FAN CYCLE PRESSURE SWITCH		
1	EA	75234	P100AP-332C R410A NON ADJUSTABLE ON/OFF PRESSURE SWITCH		
1	EA	75257	P100CC-9C OPEN 275/CLOSE 175 HIGH CUTOUT PRESSURE SWITCH		
1	EA	75803	P100CP-1C OPEN 400/CL 300 AUTO RESET PRESSURE CONTROL		
1	EA	75804	P100CP-2C OPEN 425/CL 325 AUTO RESET PRESSURE CONTROL		
1	EA	75312	P100CP-85C OPENS 665/CLOSES 565 HIGH CUTOUT PRESSURE SWITCH		
1	EA	75448	P100DA-1C 410# OPENS ON RISE MANUAL RESET PRESSURE CONTROL		
1	EA	75449	P100DA-2C 475# OPENS ON RISE MANUAL RESET PRESSURE CONTROL		
1	EA	75313	P100DA-81C OPENS 630 LOCKOUT MANUAL RESET PRESSURE SWITCH		
1	EA	75314	P100DA-86C OPENS 575 LOCKOUT MANUAL RESET PRESSURE SWITCH		
1	EA	75254	P100DC-3C OPEN 375 MANUAL RESET HIGH LIMIT PRESSURE SWITCH		

Fixed Setting Pressure Control



- Small size allows direct mounting on tubing
- Tamper proof construction
- U.L. recognized safety control

Open Pressure	Reset Pressure	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
400	280	1	EA	94468	43330/33322 FIXED SETTING HIGH PRESSURE CUT-OUTS, AUTO RESET	
25	65	1	EA	94469	43347 /33336 FIXED SETTING LOW PRESSURE CONTROL, AUTO RESET	

Condensor Fan Cycling Switch

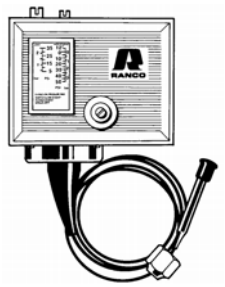
Close on Pressure Rise



- 1/4" female flare SAE mounting
- Direct mounting on tubing
- Close: 275 psi
- Open: 210 psi
- 18" blue XLP wire, 1/2 inch stripped ends
- UL & CSA recognized

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92592	43306 1/4"FF SAE MOUNT 201-275 CONDENSER FAN CYCLING SWITCH	

RANCO Low Pressure Controls



- NEMA 1 enclosure with non-conductive cover.
- Front-located captive cover screw.
- Super Cap® capillary protection system.
- Universal mounting and compact design.
- Laser-welded bellows for extended life.

Auto Reset

Switch Action	Pressure Range	Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
SPST Opens on Low	12"-50 Lb.	36" Cap. Flare Nut	1	EA	93452	O10-1402 LOW PRESS CONTROL	—
SPST Opens on Low	10"-100 Lb.	36" Cap.1/4" Flare Nut	1	EA	93453	O10-1483 LOW PRESS CONTROL	—
SPDT Opens High or Low	10"-100 Lb.	36" Cap. Flare Nut	1	EA	93455	O16-527 LOW PRESS CONTROL	—
SPDT Open or Close on Rise	10"-100 Lb.	1/4" Male Angle	1	EA	93456	O16-107 LOW PRESS CONTROL	—

RANCO High Pressure Controls

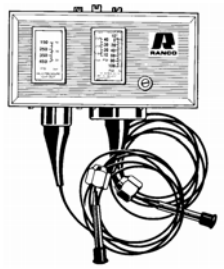


- NEMA 1 enclosure with non-conductive cover.
- Front-located captive cover screw.
- Super Cap® capillary protection system.
- Universal mounting and compact design.
- Laser-welded bellows for extended life.

Auto Reset

Switch Action	Pressure Range	Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
SPST Close on Rise	100-400 Lb.	36" Cap. Flare Nut	1	EA	93458	O10-2054 HI PRESS CONTROL	—
SPDT Open or Close on Rise	100-400 Lb.	36" Cap. 1/4 Flare Nut	1	EA	93474	O16-108 HI PRESS CONTROL	—

RANCO Dual Pressure Controls



- Exclusive "convertible" reset for manual or automatic high pressure reset on some models.
- NEMA 1 enclosure with non-conductive cover.
- Front-located captive cover screw.
- Super Cap® capillary protection system.
- Universal mounting and compact design.
- Color coded flare nuts.

Model No.	Switch Action	Pressure Range	Connection
O12-1549	SPDT Low Side Close on Rise; High Side Open on Rise	Low 10"-100 Lb. High 150-450 Lb.	36" Cap. with 1/4: Flare Nut
O12-4834	SPDT Low Side Close on Rise; High Side Lock Open on Rise	Low 10"-100 Lb. High 150-450 Lb.	48" Cap. with 1/4: Flare Nut

Auto Reset

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93480	O12-1549 DUAL PRESSURE CONTROL	—

Manual Reset (High Only)

1	EA	93482	O12-4834 DUAL PRESSURE CONTROL	—

Honeywell L480G Refrigeration Controller



Used to limit or control temperature in air conditioning systems or refrigerated enclosures. Suitable for applications such as freezer cabinets, display cases, beverage coolers, milk cooling tanks, and air conditioners. May also be used as frost alarm operator in storehouses, or orchards where frost would damage crops or equipment. Includes dual temperature scaleplate. Manual reset. U.L. Listed.

Electrical Ratings (Amperes)

	120 Vac	120 Vac
Full Load	10.2	6.5
Locked Rotor	61.2	39.0

DC Rating: 0.2 A at 120 V; 0.1 A at 240 V.
Pilot Duty:125 VA at 600 Vac.

Switch Action: SPST breaks control circuit on temperature fall.
Capillary Range: 20 to 60° F. Length: 20 ft. (no bulb).
Fixed Additive Differential: 10° F.
Ambient Temperature Range: 20 to 140° F.
Maximum Sensor Range: 225° F.
Approximate Case Dimensions:
3-5/16" H x 3-11/16" W x 2-5/16" D.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	70541	L480G1044/U FREEZE-STAT	—

Honeywell T4031A Refrigeration Temperature Controller



Wide-range controllers used in applications where remote mounting of sensing element is required. Control temperature in a duct, tank, freezer, or cooler. Controller element can be directly immersed in the controlled medium. Adjustable control set point. Ambient temperature compensation provides good temperature control. SPST switch makes R to W on temperature rise.

Temperature Range: -30 to 90° F.
Max. Ambient Operating Temp.: 125° F.
Differential (subtractive): Adjustable 3.5 to 12° F.
Capillary Length: 8 ft.
Approximate Case Dimensions: 5-5/8" H x 2" W x 2-1/4" D.
Capsule: 3/8" Dia. x 3-9/16" L.
U.L. Listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	73181	T4031A1073/U BULB TEMP CONTROL	—

Cold Control



Mars Super-Fit™ constant differential refrigeration cold controls always maintain the same difference between on and off temperature over the entire dial range. The knob selects the operating termperature. Includes brackets, hardware, and instructions.

Calibration Data

Model No.	Application	Normal		Warm On	Cold Off	Cap. Length (In.)
		Off	On			
26272	Beverage Cooler	41.5° F	47.5° F	65.5° F	24.5° F	78

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93953	26272 COLD CONTROL	

Honeywell T6031A Refrigeration Temperature Controller



Wide-range controller used in cooling applications where remote mounting of sensing element is required. Controls temperature in a duct, tank, freezer, or cooler. Controller element can be directly immersed in the controlled medium. Adjustable control set point. Ambient temperature compensation provides good temperature control.
U.L Listed
Switch Action: SPDT switch makes R to W on temperature rise, R to B on temperature fall.

Electrical Ratings (Amperes)

	120 Vac		240 Vac	
	R-W	R-B	R-W	R-B
Full Load	16.0	8.0	8.0	5.1
Locked Rotor	80.0	48.0	40.0	30.6

R-B on temperature fall.
R-W on temperature rise.

Maximum Ambient Operating Temperature: 125° F.
Differential (subtractive): Adjustable 3.5 to 16° F.
Approximate Case Dimensions: 5-5/8" H x 2" W x 2-1/4" D.
Capsule: 3/8" Dia. x 3-9/16" L.
Capillary Length: 8 ft.
Range: -30 to +90° F; maximum temperature at element 130° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	73185	T6031A1029/U TEMPERATURE CONTROLLER	—

White-Rodgers 1609 Temperature Control



1609-101 Refrigeration Temperature Control

Provides positive control of refrigeration applications where remote control is desired. Features hydraulic action element, easy to wire terminals, adjustable differential, and dustproof steel case. High electrical ratings allow operation of most equipment without use of relays or motor starters.



16E09-101 for Refrigeration and Heating Applications

- The 16E09-101 replaces most mechanical and electronic single stage controls using an SPDT output relay
- Offers the widest multiple voltage operating range: 24/120/208/240 VAC for truly universal replacement
- Does not require a common wire when electrical load is greater than 2.5 amps
- Offers a wider than industry standard setpoint temperature range (-40° to 220° F) and adjustable differential settings
- Applications: Convenience store freezer control, reach-in coolers, supermarket display cases, boiler control, restaurant/convenience store walk-in coolers, condenser fan cycling, pump control, and space and return-air temperature.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75533	1609-101 TEMPERATURE CONTROL	—
1	EA	75808	16E09-101 ELECTRONIC TEMPERATURE CONTROL	—

A19 Remote Bulb Temperature Controls



The A19 Series are single-stage temperature controls that incorporate environmentally-friendly, liquid-filled sensing elements. They are suitable for temperature control in HVACR applications.

- Constant differential throughout the entire range
- Unaffected by cross ambient conditions
- Compact enclosure

Model No.	Switch Action	Range ° F	Diff. ° F	Bulb & Capillary	Bulb Well No. (Not Supplied)	Range Adjuster	Elec. Rating 120 VAC
A19AAD-5C	SPST	30 to 50	2.5	3/8" x 2-5/8" 6' Cap. Style	WEL16A301R	Screwdriver Slot	6 Amp
A19ABC-4C	SPDT	50 to 130	3.5 to 14	3/8" x 5", 8' Cap. Style	WEL14A603R	Knob	16 Amp
A19ABC-24C	SPDT	-30 to 100	3 to 12	3/8" x 4",8' Cap. Style	WEL14A602R	Convertible	16 Amp
A19AAF-12C	SPDT	25 to 225	3.5	3/8" x 3", 10' Cap. Style	WEL14A602A	Screwdriver Slot	6 Amp

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75365	A19AAD-5C SPST 30-50 DF CAP STYLE TEMPERATURE CONTROL	—	—
1	EA	75467	A19ABC-4C SPDT 50-130 DF CAP STYLE TEMPERATURE CONTROL	—	—
1	EA	75378	A19ABC-24C SPDT -30/+100F CAP STYLE TEMPERATURE CONTROL	—	—
1	EA	75377	A19AAF-12C SPDT 25-225 DF CAP STYLE TEMPERATURE CONTROL	—	—

A19 Coiled Bulb Space Thermostat



The A19 Series thermostat is a wide range temperature control with air coil sensing element.

- Wide temperature range
- NEMA 1 enclosure
- For return air or space temperature sensing

Model No.	Switch Action	Range ° F	Diff. ° F	Bulb & Capillary	Range Adjuster	Elec. Rating 120 VAC
A19BBC-2C	SPDT	-30 to 100	3 to 12	1-3/8" x 2-1/4", Coiled	Convertible	16 Amp

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75366	A19BBC-2C SPDT-30/+100F COIL STYLE BULB TEMPERATURE CONTROL	—	—

A70 Series Temperature Control

4-Wire, 2-Circuit



The A70 Series temperature control incorporates a vapor-charged sensing element and has a 4-wire, 2-circuit contact block that contains two isolated sets of contacts. The contacts are designed so that when the main contact opens, the auxiliary contact closes.

Electrical Rating

Pole Number	Line-M2 (Main)				Line-M1 (Auxiliary)			
Motor Ratings (VAC)	**120**	**208**	**240**	**277**	**120**	**208**	**240**	**277**
AC Full Load (Amps)	16.0	9.2	8.0	—	6.0	3.4	3.0	—
AC Locked Rotor (Amps)	96.0	55.2	48.0	—	36.0	20.4	18.0	—
AC Non-Inductive (Amps)	16.0	9.2	8.0	7.2	6.0	6.0	6.0	6.0
Pilot Duty (Both Poles)	125 VA, 24 to 600 VAC; 57.5 VA, 120 to 300 VDC							

Model Number	Switch Action		Range ° F	Differential ° F	Bulb and Capillary	Max. Bulb Temp ° F	Range Adjuster
	Main Contacts	Auxiliary Contacts					
A70HA-1C*	Open Low	Close Low	15 to 55	Manual Reset	20' x 1/8" O.D. Tubing	400	Screwdriver slot

* The low cutout stop is set and sealed at 35° F. The control responds only to the lowest temperature along any one foot of the entire 20 foot element or bellows cup.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75482	A70HA-1C 15 TO 55 DF TWO CIRCUIT TEMPERATURE CONTROL	—

A421 Electronic Temperature Control



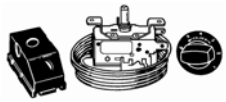
- Line voltage
- Single-stage
- SPDT
- Heating or cooling modes of operation
- Adjustable setpoint and differential
- 120/240 VAC
- LCD display

Typical Applications Include:

- Boiler and chiller pump control
- Temperature actuated valve control
- On/Off control of boilers and chillers
- Supply and makeup air damper and fan control
- Condenser fan control based on condenser temp.
- Cooling tower fan control based on water temp.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75231	A421ABC-02C 2M 6'-6" TEMP SENSOR ELECTRONIC SNGL STG TEMP CNTR	—	—

A12 Temperature Controls



The Ranco A-12 Controls provide a constant Cut-In feature. The constant Cut-In design is generally used to provide an Off-Cycle defrost function. Each time the control cycles off, the control contacts will remain "open" until the evaporator is cleared of any frost that may have accumulated from the previous "On" Cycle.

- One-for-one replacements for vending machines, automatic beverage dispensers, and reach-in coolers.
- Reliable off-cycle defrost.
- SPST switch with OFF position.

Dial Range (Degrees F)	Cut-in Constant (Degrees F)	Capillary Length (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
11.5 to 26	37	84	1	EA	93513	A12-700 TEMP CONTROL	—
15 to 31	41	84	1	EA	93514	A12-701 TEMP CONTROL	—
19 to 29	38	72	1	EA	93515	A12-1560 TEMP CONTROL	—

ARANCO General Range Temperature Controls



- For use with refrigerators, freezers, walk-in units and refrigeration display cases
- Maximum adjustment accuracy with 7 revolution range adjustment screws
- NEMA 1 enclosure with non-conductive cover
- Front-located captive cover screw
- Universal mounting and compact design
- Laser-welded bellows for extended life
- Constant cut-in setting

Switch	Dial Range (Degrees F)	Adj. Differential (Degrees F)	Capillary Length (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
SPST	0 to 55	3 to 20	72	1	EA	93494	O10-1409 TEMP CTL	—
SPST	25 to 75	3 to 20	72	1	EA	93495	O10-1410 TEMP CTL	—
SPST	0 to 55	3 to 20	72	1	EA	93499	O10-1418 TEMP CTL	—

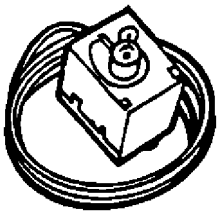
ARANCO ETC Commercial Temperature Controls



- Wide temperature range (-30° F to 220° F)
- Adjustable differential range (1° F to 30° F)
- LCD digital display of sensor temperature, control settings, relay status, and onboard diagnositcs
- Selectable heat and cool modes
- Output relay rated at one horsepower
- 1 and 2 stage models available

Voltage	No. of Stages	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
120/208/240	1	1	EA	93550	ETC-111000-000 TEMP CTL	—
24	2	1	EA	93552	ETC-212000-000 TEMP CTL	—

ARANCO A30 Series Refrigeration Controls



- For self-contained refrigerators, freezers, coolers, walk-in units, and refrigeration
- Controls feature SPST switches

Dial Range (Degrees F)	Differential (Degrees F)	Capillary Length (In)	Knob Assembly	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
35 to 46	8 Fixed	48	Dial	1	EA	93517	A30-2209 TEMP CONTROL	—
32 to 61	6 Fixed	84	Adaptable	1	EA	93532	A30-261 TEMP CTL	—
30 to 42	8 Fixed	48	Dial	1	EA	93534	A30-2210 TEMP CONTROL	—
-24 to +20.5	8.5 Fixed	84	Adaptable	1	EA	93544	A30-301 TEMP CONTROL	—
-6 to +44	17 Fixed	42	Adaptable	1	EA	93566	A30-182 TEMP CONTROL	—

ARANCO 3030-505 Constant Differential Control



- Use with manual, automatic, and defrost refrigerators
- SPST switch

Dial Range (Degrees F)	Differential (Degrees F)	Capillary Length (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
18 to 47	6 Fixed	24	1	EA	93521	3030-505 COLD CONTROL	—

GE Consumer & Industrial GRASSLIN DTAV Defrost Timers



- Auto-voltage: 120VAC–240VAC
- 40 amp, 2 HP rated
- Defrost cycles programmed independently
- Defrost times programmable on quarter hour with captive trippers
- Mounts on existing enclosures
- NEMA 3R outdoor enclosure

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	77654	DTAV40 40A 24 HR AUTO VOLT DEFROST TIMER	—
1	EA	77655	DTAV40-M 40A 24 HR AUTO VOLT DEFROST TIMER MECHANISM ONLY	—

GE Consumer & Industrial GRASSLIN FD30MC Interval Countdown Time Switch



- Timing Range: 5 minutes to 12 hours
- Heavy duty 20A @ 125 VAC SPST (N.C. & N.O.), SPST 20A, 2 HP switch
- Fits single and multigang boxes
- Normally open and closed standard connection (except 5 min.)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77651	FD30MC 30 - MIN TWIST TIMER DEC-WHITE (NC&NO)	—

GE Consumer & Industrial GRASSLIN G8145-20 Defrost Timer



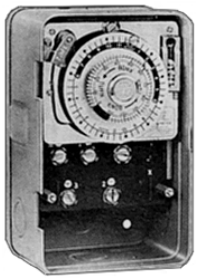
- 40 amp, 2 HP contacts
- Time initiated
- Temperature, pressure, or time terminated
- 1–6 defrost events per day
- Minimum Time Termination: 4 min
- Maximum Time Termination: 110 min.
- Operating Voltage: 208–240 VAC, 60 Hz.
- Switch: 1 N.O./1 N.C.
- Contacts: 40 amp, heavy-duty, silver-plated, and welded
- Encapsulated timer module design prevents dust and dirt build-up
- Switching design exceeds 30,000 cycle UL873 refrigeration standard
- 2-year limited warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3	EA	77658	G8145-20 240V INDOOR GRASSLIN DEFROST TIMER	—

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8045 Series Defrost Controls

Time Initated, Time Terminated



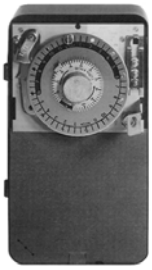
For electric heat, hot gas, or compressor shutdown defrosting. Adjust defrost initiation from one to six cycles per day. Minimum of 4 hours between successive operations. Adjust defrost cycle from four to 110 minutes in 2 minute increments. Accuracy of defrost duration +/- 2 minutes. Heavy duty synchronous industrial type motor.

Model No.	Volts 60 Hz	Switch Arrangement Contacts		
		2-4	1-3	3-N
8045-00	120	Closed	Open	None
8045-20	208-240	Closed	Open	None

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77043	8045-00 120V DEFROST TIMER TIME INITIATED TIME TERM	
1	EA	77044	8045-20 208/240V DEF TIMER ELEC HT,HOT GAS OR COMPRESSOR	

8140 Series Defrost Controls

Time Initiated, Temperature or Pressure Terminated



The 8140 Series cut-in is determined by external temperature or pressure sensor. Adjustable back-up defrost termination of 4 to 110 minutes in 2 minute increments. Choose from 3 contact arrangements for electric head, compressor shutdown, or hot gas defrost.

Model No.	Volts/ 60 Hz.	Normal Position of Contacts During Refrigeration Cycle		
		3-N	1-3	2-4
8141-00	120 VAC	Closed	Open	Closed
8141-20	208-240 VAC	Closed	Open	Closed
8145-00	120 VAC	None	Open	Closed
8145-20	208-240 VAC	None	Open	Closed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77041	8141-00 120V ELEC HT DEFROSTING PARAGON TIMER	
1	EA	77042	8141-20 208-240V ELEC HT DEFROSTING PARAGON TIMER	
1	EA	77045	8145-20 208/240V PARAGON DEFROST TIMER	
1	EA	77046	8145-00 120V PARAGON DEFROST TIMER	

8145 Series Auto Defrost Timer



This all-in-one auto voltage defrost timer replaces over 40 competitive voltage-specific mechanical defrost timers, eliminating theneed for a separate short cycle timer and single-phase voltage monitor. The 8145-AV automatically adjusts for 120-277V AC. Defrost times are programmable in 15-minute intervals with captive triggers.

The 8145-AV Replaces the Following Paragon Models

8041-00, 8041-20, 8043-00, 8043-20, 8045-00, 8045-20, 8046-00, 8046-20, 8047-00, 8047-20
8141-00, 8141-20, 8143-00, 8143-20
8145-00, 8145-20
8243-20, 8245-20, 8247-20

The 8145-AV is an Exact Replacement for the Following Models

Supco

S804100, S804120, S804500, S804520, S814100, S814120, S814500, S814520

Grasslin

DTAV40, DTAV40IM

Intermatic

G8045-00, G8045-20, G8145-00, G8145-20

Precision

6041-0, 6045-0, 6045-20
6145-0, 6141-20, 6145-00, 6145-20

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	77047	8145-AV AUTO VOLTAGE PARAGON DEFROST TIMER	

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9145 Universal Defrost Control

Time Initiated, Temperature/Pressure Terminated, Multi-voltage



The 9145 Universal Defrost Timer is the only multi-voltage defrost timer engineered to refrigeration standards. This new product is certified to UL873 standards for temperature-indicating and regulating equipment, as refrigeration controllers; switches rated to 30,000 cycles.

- Real time clock
- 100 hours of power loss protection for both time and defrost schedule
- Withstands the most rigorous refrigeration applications
- Wires directly to 120 VAC, 208 VAC or 240 VAC power sources without jumpers or switches
- Easy programming
- Display shows defrost start time and duration Input power: 120/208-240 VAC 60 Hz

Terminal	A	B	C	D	E	F	G
Relay Contact	SPDT NC Contact	SPDT COMM Contact	SPDT COMM Contact	SPST NO Contact	SPST COMM Contact	L2/N Power in to timer	Defrost Termination Device Input L2/N side
Relay Rating	15A resistive @ 120 VAC to 240 VAC 1/4HP @ 120 VAC 1/2HP @ 208 VAC to 240 VAC	30A resistive @ 120 VAC to 240 VAC 1 HP @ 120 VAC 2 HP @ 208 VAC to 240 VAC	—	—	30A resistive @ 120 VAC to 240 VAC 1 HP @ 120 VAC 2 HP @ 208 VAC to 240 VAC	—	—
Device Connections	Fan (Typical) Compressor (Optional)	Defrost Device (Typical)	LI Power to timer and to Defrost Termination Device	—	Compressor (Typical) Fan (Optional)	—	Defrost Termination Switch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77053	9145-00 SERIES UNIV DIGITAL DEFROST TIMER WITH ENCLOSURE	—

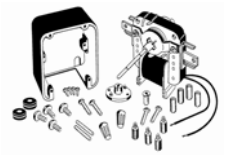
GM40 Multi-Voltage General Purpose Time Switch



- Auto voltage selection 120VAC through 277VAC
- 40 amp resistive, 30 amp inductive.
- SPDT and DPDT all in one!
- NEMA 3R outdoor enclosure.
- No tools required.
- Power and status LED indicators.
- Independently adjustable trippers at 15 minute intervals.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77656	GM40AV AUTO VOLTAGE NEMA 3R ELECTROMECHANICAL TIME SWITCH	—

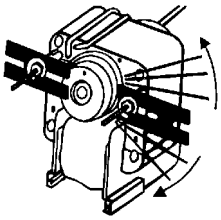
SM-999 Universal Motor Kit



- Reversible rotation.
- Prefastened multi-fit break-off mounting bracket.
- Easy to use, fewer parts to assemble than competitive motors.
- "Break-off" shaft.
- Volts: 120 Volt, 3000 RPM.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94470	SM-999 UNIV MOTOR KIT	—

Motor Kits



H-Bracket Mounting System

This patented mounting system comes with all of these Acme motor kits. Acme H-Brackets make it possible to replace hundreds of standard units as well as 3.3", 3.5", and 4" round motors.

Reversible Evaporator Fan Motor Kits

Model No.	HP	Motor Type (In.)	RPM	Volts	Amps	Fan Blades (In.)
Acme 700™	1/100	5/8 Reversible	3000	115	35	4 and 5-1/2
Acme 702™	1/100	5/8 Reversible	3000	230	35	4 and 5-1/2
Acme 710™	1/100	5/8 Reversible	3000	115	.45	5-1/2
Acme 750™	1/45	1-1/8 Reversible Stack	3000	115	885	Shaft adapter to fit 3/16, 1/4, and 5/16 bores and hubless blades
Acme 7502™	1/45	1-1/8 Reversible Stack	3000	115/230	885/445	Shaft adapter to fit 3/16, 1/4, and 5/16 bores and hubless blades

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95870	700 115 VOLT REVERSIBLE REPLACEMENT KIT	
6	EA	95871	702 230 VOLT REVERSIBLE REPLACEMENT KIT	
1	EA	95872	710 115 VOLT REVERSIBLE REPLACEMENT KIT	
1	EA	95873	750 115 VOLT-1/45 HORSEPOWER REVERSIBLE REPLACEMENT KIT	
6	EA	95874	7502 115/230 VOLT-1/45 HP REVERSIBLE REPLACEMENT KIT	

Evaporator/Condenser Watt Motors



- Ouput 4-12 watts
- Speed regulated within +/- 6%
- 51fr unit bearing motor; cast aluminum frame
- Universal 5 hole mount
- ~66% peak efficiency
- 1 discrete speed
- 1/4"–20 threaded shaft
- Side pedestal mounting feet (2 set standard)
- 3.3"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99643	00650 4-12 WATTS 115VOLT CW EVAP/CONDENSER-MORRILL MOTOR	
1	EA	99644	00651 4-12 WATTS 230VOLT CW EVAP/CONDENSER-MORRILL MOTOR	

Universal PSC Motor



- Replaces 12 motor ratings
- Reversible
- Dual voltage
- High efficiency
- 3.3"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99651	D1127 1/12 THRU 1/20 MULTI-HP FASCO MOTOR	

morrillmotors Evaporator Nominal Motors



5101/5200/5201

- 1550 RPM
- Universal "drop-in" replacement for walk-in evaporator
- Totally enclosed, non-vented
- Shaft water slinger
- Standard thru-bolt configurations
- All angle mount
- Power cord with Lyall Plug
- Automatic torque variation, constant speed
- Low temp (-20° F) lubrication system
- 50/60 Hz
- 1 discrete speed
- Ball bearing thermally protected
- 3.3"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99647	05101 1/15 NOM HP 115VOLT CCW EVAPORATOR-MORRILL MOTOR	
1	EA	99650	05200 1/15 NOM HP 208-230V CW EVAPORATOR-MORRILL MOTOR	
1	EA	99648	05201 1/15 NOM HP 208-230V CCW EVAPORATOR-MORRILL MOTOR	

OEM Direct Replacement Motors

3.3" Diameter, Shaded Pole and PSC

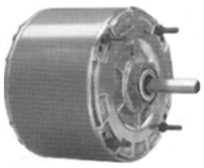


- Two or four 8-32 x 3/4" stud extensions at each end
- Sleeve bearings have all angle thrust system
- Automatic reset thermal overload protection
- 12" leads

Model	HP	RPM	Volts	F.L. Amps
9632	1/20	1550	115	.9
9656	1/15	1550	208/230	..48
9662	1/20	1550	115	.85
9664	1/12–1/20	1550	115/230	1.3/0.7

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	99720	9632 1550DD 115V 1/20HP 3.3" FAN & BLOWER MOTOR			
1	EA	99778	9656 1/15 HP 208-230V CCW/CW REFRIGERATION MOTOR (LARKIN)			
1	EA	99777	9662 1/20 HP 115V CCW/REV REFRIGERATION MOTOR(BOHN)			
1	EA	99781	9664 1/12-1/20HP 115/230V CCW/REV.REFRIGERATION MOTOR			

OEM Replacement Motor for Copeland



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99760	588 1/3 HP 208/230V OEM REPL MOTOR	

SST Condensers



SST condensers feature heavy walled enhanced tubing, corrosion resistant coated tube sheets, and removable heads at both ends for cleaning. SST models have an additional fitting for tower or city water connections. All models are UL listed or ASME tagged, depending on size and offer working pressures of 350 psi refrigerant side; 150 psi water side.

Model Number	Nominal HP	Dimensions (In.)		Connections				Safety (FPT)	Pump Down Capacity (R12 Lbs.)	Ship Weight (Lbs.)
				Refrig. (IDS)		Water (FPT)				
		Dia.	Length	Inlet	Outlet	City	Tower			
SST-75	3/4	5	25	1/2	1/2*	3/8	3/4	3/8	9	32

* Top fitting with pick-up tube.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92414	SST-75A 3/4 HP SHELL & TUBE CONDENSER	

*SST Condensers are special order non-stock items.

ELT Condenser



- Specially designed removable water plates and gaskets allow unsurpassed ease of servicing or cleaning without disconnecting water or refrigerant lines
- All copper water channels
- Rugged steel construction to resist tubing damage
- Exceptional heat transfer utilizing enhanced tube surfaces
- Highest water pressure ratings, and lowest water pressure drop offered in a cleanable tube-in-tube condenser design

Model Number	Nominal HP	Waterflow (gpm)		Water Pressure Drop (psi)	Shipping Weight (Lbs.)
		Min.	Max.		
ELT-300A	3	1.3	13.4	4.34	48

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92407	ELT-300A 3 HP COUNTERFLOW TUBE-IN-TUBE CONDENSER	

*SST Condensers are special order non-stock items.

Sealed Enclosure Air Conditioners



Sealed enclosure cooling is for hot and dirty environments. It maintains the seal of the enclosure, protecting the electronics from damaging dust, wtaer, and other harmful elements.

Genesis® Compact Indoor
The Type 12 air conditioner of choice for light-duty manufacturing process control applications.

T-Series Mid-Size Outdoor
The perfect enclosure cooling system for outdoor cabinets when precise temperature control is needed. Engineered to seal out virtually any bad weather.

Genesis Models

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	69147	M17-0216-G092HD 2000 BTU 115V 1PH CABINET COOLER 87835895	
1	EA	69162	87541939 MOUNTING BRACKET	

T-Series

1	EA	69160	T53-1926-G116 14000 BTU 230V 1PH CABINET COOLER	

Copeland brand products Refrigeration OEM Motors and Fan Blades

Motors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96682	950-0500-00 1/6 HP 208/230 VOLT FAN MOTORS	
1	EA	96690	950-0265-00 1/6 HP 208/230 VOLT FAN MOTORS	
1	EA	96824	950-0265-01 1/6 HP 460-1 FAN MOTORS	
1	EA	96688	998-0251-00 1/6 HP 208/230 VOLT FAN MOTORS	
1	EA	96687	950-0250-00 1/4 HP 208/230 VOLT FAN MOTORS	
1	EA	96691	950-0266-04 1/4 HP 208/230 VOLT FAN MOTORS	
1	EA	96680	950-0108-00 1/3 HP 208/230 VOLT FAN MOTORS	
1	EA	96681	950-0234-00 1/3 HP 208/230 VOLT FAN MOTORS	
1	EA	96686	950-0248-00 1/2 HP 208/230 VOLT FAN MOTORS	
1	EA	96683	950-0344-00 50 WATT 208/230 VOLT FAN MOTORS	
1	EA	96684	950-0344-01 50 WATT 115 VOLT FAN MOTORS	
1	EA	96689	950-0264-01 50 WATT 208/230 VOLT FAN MOTORS	
1	EA	96692	998-0550-00 230 VOLT FAN MOTORS	
1	EA	96693	998-0550-01 460 VOLT FAN MOTORS	
1	EA	96694	998-0550-04 460 VOLT FAN MOTORS	

Fan Blades

1	EA	96697	083-0103-02 14" DIA 1/2" 22 DEG CW 3 BLADE FAN BLADE	
1	EA	96695	083-0019-00 8-3/4" DIA 1/4" 23 DEG CW 3 BLADE FAN BLADE	
1	EA	96699	083-0122-00 8" DIA 1/4" 30 DEG CW 5 BLADE FAN	
1	EA	96832	083-0130-00 10" DIA 1/4" 20 DEG CW 5 BLADE FAN BLADE	

CHANDLER REFRIGERATION Refrigeration Motors and Fan Blades

Motors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	98015	7071061 1/15HP 230V 1550RPM CCWSE MOTOR	
1	EA	98017	25309101S 1/15HP 230V 1550RPM CCWSE MOTOR	
1	EA	98025	2531194 40MHP 115V 1550RPM CCWSE MOTOR	
1	EA	98027	5021SS 1/150HP 120V 3000RPM CWSE MOTOR	
1	EA	98031	25309001S 1/3 HP 230V 1075RPM CCWSE MOTOR	

PSC Motors

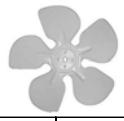
1	EA	98032	25309501S 1/20 115V 1550RPM CWSE PSC MOTOR	
1	EA	98033	25309801S 1/15HP 230V 1650RPM CWSE PSC MOTOR	
1	EA	98034	5036NS 1/15HP 115V 1550RPM CWSE PSC MOTOR	
1	EA	98035	5036PS 1/15HP 230V 1550RPM CWSE PSC MOTOR	

Fan Blades

1	EA	98002	026215300 10IN 40DEG 5/16 CCW FAN BLADE	
1	EA	98003	5140C 12IN 23DEG CW FAN BLADE	
1	EA	98004	5110E 12IN 24DEG CCW FAN BLADE	
1	EA	98005	5101B 5.5IN 24DEG CCW FAN BLADE	
1	EA	98011	D21194A2 12IN 19DEG CW FAN BLADE	

ACME MIAMI Aluminum Fan Blades for Walk-in Boxes

These 8", 10", and 12" fan blades will replace Bohn, Singer, and Hill.



Size	Rotation	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
8 IN	CW	1	EA	93882	30805 8 INCH ALUMINUM FAN BLADE CLOCKWISE	
10 IN	CW	12	EA	93884	31005 10 INCH ALUMINUM FAN BLADE CLOCKWISE	
10 IN	CCW	12	EA	93885	31015 10 INCH ALUMINUM FAN BLADE COUNTER CLOCKWISE	
12 IN	CW	12	EA	93886	31205 12 INCH ALUMINUM FAN BLADE CW 5/16 HUB	

Model VA Reach-In Unit Evaporators

V-Profile Air Defrost Unit Coolers



The Vee-Aire is a deluxe unit designed for use in small reach-ins, back bar, and under counter refrigerators, and many other applications where a small, compact unit is required. The thermal expansion valve mounts inside the unit. The unit can be mounted for the ceiling or off the back wall or end walls.

- UL classified to NSF standards
- UL Listed
- Textured aluminum cabinet
- Stainless steel screws prevent rust streaks
- Expansion valve mounts inside cabinet
- Internal junction box for electrical connection
- Pigtail leads in junction box
- Motors are thermally protected and permanently lubricated
- Coated coil for optimum protection in corrosive environments
- Sweat inlet connection to reduce leaks

Model No.	BTUH 10° F T.D.	CFM	Motor Data		Connections (Inches)			Approx. Ship Wt. (Lbs)
			Quantity	115/1/60 Total FLA	Inlet	Coil Suction	Drain	
8	800	130	1	0.8	3/8 OD	3/8 ID	1/2 OD	9

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2
6-7/8 x 12-1/4 x 8-1/8	1	EA	97810	VAK08A 800 BTU REACH-IN EVAPORATOR		

Model C Reach-In Unit Evaporators

High Profile Air Defrost Unit Coolers



The model C is ideal for refrigerated reach-ins. It mounts to the top of the refrigerator and discharges cold air against the back wall. With this air flow pattern, the air is not blasted on the product but is diffused along the back wall and is then gently drawn across the product as it returns to the unit monitoring uniform temperatures throughout the refrigerator. In addition, this air pattern greatly reduces sweating and refrigeration loss.

Aluminum hangers automatically space the unit the correct distance from the back wall. The expansion valve fits inside, out of sight. Model C (CK) is available with an optional coated coil for corrosion protection. UL Listed.

Model KMK Reach-In Unit Evaporators

Standard Mullion Unit Coolers



For use in under-counter reach-in refrigeration. The unit can be mounted behind a mullion with sufficient clearance for the installation of tray slides. KMK's fan arrangement allows air to be drawn into the top of the unit, pulling return air from both sides of the mullion. This arrangement allows the coldest air to be in contact with drop-in trays.

These compact mullions can also be mounted on the back wall or ends of a beverage cooler. The finned coils have a special corrosion-resistant coating.

Model RAMK Reach-In Unit Evaporators

Reverse Air Mullion Unit Coolers



For use in under-counter reach-in refrigeration. The unit can be mounted behind a mullion with sufficient clearance for the installation of tray slides. RAMK or Reverse Air Mullion draws air through the coil at the bottom and discharges the cooled air out the top. This arrangement allows the coldest air to be in contact with drop-in trays.

These compact reverse air mullions can also be mounted on the back wall or ends of a beverage cooler. The finned coils have a special corrosion-resistant coating. UL Listed.

Model BTO Reach-In Unit Evaporators

Twin Flow Unit Coolers



This twin flow unit cooler is a compact two-way design with medium velocity airflow. The unit is mounted flush to the ceiling and draws air in through the fan and discharges out both sides. The air pattern reduces air loss when doors are opened and the medium velocity reduces product drying.

Twin flow units are for temperatures of 35° F and higher. Box temperatures are kept more constant throughout and fresh products last longer. The BTOK is available with an optional coated coil for corrosion protection.UL Listed.

Model U Reach-In Unit Evaporators

Dual Air Unit Coolers

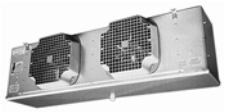


For use in salad boxes, back bars and direct draw boxes or wherever a compact unit is required.It can be mounted on the ceiling or wall. This unit draws air in through the front and discharges it out both sides to insure proper distribution of cool air and to maintain a uniform box temperature.

U (UK) is available with an optional coated coil for corrosion protection. UL Listed.

Model RLC Walk-In Evaporators

3,500 to 37,000 BTUH, Low Profile, Air Defrost



Cabinet

- Extended model and capacity offerings to better match with Chandler condensing units.
- New cabinet design features easy front access to electrical and refrigeration components.
- Panels are isolated for quiet operation.
- Schrader valve on suction header.
- The electric control board is front-facing for easy access.
- Liquid line solenoid wire harness.
- Pre-drilled holes on the back of the unit for room thermostat and controls.
- UL Listed

Heaters and Coil

- Air, electric, and hot gas defrost.
- Heaters are coil face mount, for better defrost.
- Reduced heater wattages.
- Fixed defrost termination, adjustable for hot gas.

Guards and Motors

- Motor harness and solenoid harness are at the bottom of the unit for easy access.

Drain Pan

- Improved drain pan design
- Drain pan heater design allows for more contact with coil and drain pan.

RLC Air Defrost Models (60 Hz.)

Model No.	Capacity BTUH*	Shaded Pole Moto				EC Motor				No. of fans	Connections (In.)		Approx. Net Wt. (lbs)
		115/1/60		208-230/1/60		115/1/60		208-230/1/60			Coil Inlet	Suction	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts				
RLC 040	4,000	1.8	116	1.0	122	0.9	57	0.5	59	1	1/2 OD	5/8 ID	28
RLC 052	5,200	1.8	116	1.0	122	0.9	57	0.5	59	1	1/2 OD	5/8 ID	31
RLC 065	6,500	1.8	116	1.0	122	0.9	57	0.5	59	1	1/2 OD	7/8 ID	34
RLC 070	7,000	3.6	232	2.0	244	1.8	114	1.0	118	2	1/2 OD	7/8 ID	45
RLC 090	9,000	3.6	232	2.0	244	1.8	114	1.0	118	2	1/2 OD	7/8 ID	48
RLC 104	10,400	3.6	232	2.0	244	1.8	114	1.0	118	2	1/2 OD	7/8 ID	49
RLC 120	12,000	3.6	232	2.0	244	1.8	114	1.0	118	2	1/2 OD	7/8 ID	51
RLC 130	13,000	3.6	232	2.0	244	1.8	114	1.0	118	2	1/2 OD	7/8 ID	53
RLC 140	14,000	5.4	348	3.0	366	2.7	171	1.5	177	3	1/2 OD	7/8 ID	63
RLC 156	15,600	5.4	348	3.0	366	2.7	171	1.5	177	3	1/2 OD	7/8 ID	67
RLC 180	18,000	5.4	348	3.0	366	2.7	171	1.5	177	3	1/2 OD	7/8 ID	69
RLC 208	20,800	7.2	464	4.0	488	3.6	228	2.0	236	4	1/2 OD	1-1/8 ID	82
RLC 260	26,000	9.0	580	5.0	610	4.5	285	2.5	295	5	1/2 OD	1-1/8 ID	103

*10° F T.D. +25° F SST

NOTE: All motors are 1/15 HP and 1.8 amps. To determine total amps multiply 1.8 by the number of fans. Ex. 2 fans x 1.8 = 3.6 total amps for that unit.

Evaporators with Shaded Pole Motors

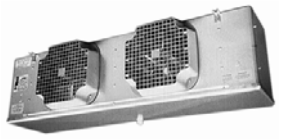
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2
1	EA	97813	RLC040A 4000 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97814	RLC052A 5200 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97815	RLC065A 6500 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97816	RLC070A 7000 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97817	RLC090A 9000 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97818	RLC104A 10400 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97819	RLC120A 12000 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97820	RLC130A 13000 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97821	RLC140A 14000 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97822	RLC156A 15600 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97823	RLC180A 18000 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97824	RLC208A 20800 BTU LOW PROFILE AIR DEFROST EVAP		
1	EA	97825	RLC260A 26000 BTU LOW PROFILE AIR DEFROST EVAP		

Evaporators with ECM Motors

1	EA	97914	RLC052AE 5200 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		
1	EA	97915	RLC065AE 6500 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		
1	EA	97916	RLC070AE 7000 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		
1	EA	97917	RLC090AE 9000 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		
1	EA	97918	RLC104AE 10400 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		
1	EA	97919	RLC120AE 12000 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		
1	EA	97920	RLC130AE 13000 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		
1	EA	97921	RLC140AE 14000 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		
1	EA	97922	RLC156AE 15600 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		
1	EA	97923	RLC180AE 18000 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		
1	EA	97924	RLC208AE 20800 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		
1	EA	97925	RLC260AE 26000 BTU W/ECM LOW PROFILE AIR DEFROST EVAP		

Model ELC Walk-In Evaporators

Low Profile, Electric Defrost



Cabinet

- Extended model and capacity offerings to better match with Chandler condensing units.
- New cabinet design features easy front access to electrical and refrigeration components.
- Panels are isolated for quiet operation.
- Schrader valve on suction header.
- The electric control board is front-facing for easy access.
- Liquid line solenoid wire harness.
- Pre-drilled holes on the back of the unit for room thermostat and controls.
- UL Listed

Heaters and Coil

- Air, electric, and hot gas defrost.
- Heaters are coil face mount, for better defrost.
- Reduced heater wattages.
- Fixed defrost termination, adjustable for hot gas.

Guards and Motors

- Motor harness and solenoid harness are at the bottom of the unit for easy access.

Drain Pan

- Improved drain pan design
- Drain pan heater design allows for more contact with coil and drain pan.

Electric Defrost Physical Data

Model No.	Number of Fans	Connections (inches)		Approx. Net Wt. (Lbs.)
		Coil Inlet	Suction	
ELC 040	1	1/2 OD	5/8 ID	26
ELC 047	1	1/2 OD	5/8 ID	29
ELC 065	2	1/2 OD	5/8 ID	43
ELC 075	2	1/2 OD	5/8 ID	45
ELC 090	2	1/2 OD	7/8 ID	48
ELC 120	3	1/2 OD	7/8 ID	60
ELC 140	3	1/2 OD	7/8 ID	62
ELC 160	4	1/2 OD	1-1/8 ID	81

External equalizer is 1/4 OD. Drain fitting is 3/4 MPT.

ELC/EFC Electric Defrost Evaporators (60 Hz., 6 FPI)

Model No.	Capacity BTUH	No. of Fans	Shaded Pole Motor Data (Total Amps)			EC Motor		Defrost Heaters (Total Amps)	
			HP	208-230/1/60		208-230/1/60		Watts	230/1/60
				Amps	Watts	Amps	Watts		
ELC 040	4,000	1	1/15	1.0	122	0.5	59	900	3.9
ELC 047	4,700	1	1/15	1.0	122	0.5	59	900	3.9
ELC 065	6,500	2	1/15	2.0	244	1.0	118	1800	7.8
ELC 075	7,500	2	1/15	2.0	244	1.0	118	1800	7.8
ELC 090	9,000	2	1/15	2.0	244	1.0	118	1800	7.8
ELC 120	12,000	3	1/15	3.0	366	1.5	177	2700	11.7
ELC 140	14,000	3	1/15	3.0	366	1.5	177	2700	11.7
ELC 160	16,000	4	1/15	4.0	488	2.0	236	3600	15.7

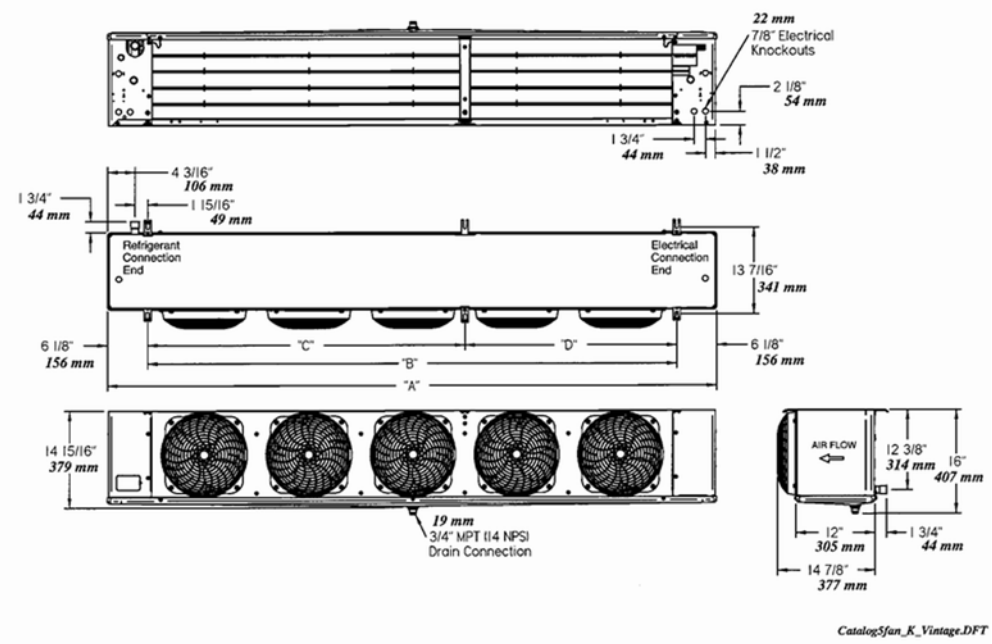
Evaporators with Shaded Pole Motors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2
1	EA	97799	ELC047B 4,700 BTU LOW PROFILE ELEC DEFROST EVAP		
1	EA	97826	ELC040B 4000 BTU LOW PROFILE ELECT DEFROST EVAP		
1	EA	97827	ELC065B 6,500 BTU LOW PROFILE ELECT DEFROST EVAP		
1	EA	97828	ELC075B 7,500 BTU LOW PROFILE ELECT DEFROST EVAP		
1	EA	97829	ELC090B 9,000 BTU LOW PROFILE ELECT DEFROST EVAP		
1	EA	97830	ELC120B 12,000 BTU LOW PROFILE ELECT DEFROST EVAP		
1	EA	97831	ELC140B 14,000 BTU LOW PROFILE ELECT DEFROST EVAP		
1	EA	97832	ELC160B 16,000 BTU LOW PROFILE ELECT DEFROST EVAP		

Evaporators with ECM Motors

1	EA	97899	ELC047BE 4,700 BTU W/ECM LOW PROFILE ELEC DEFROST EVAP		
1	EA	97926	ELC040BE 4000 BTU W/ECM LOW PROFILE ELECT DEFROST EVAP		
1	EA	97927	ELC065BE 6,500 BTU W/ECM LOW PROFILE ELECT DEFROST EVAP		
1	EA	97928	ELC075BE 7,500 BTU W/ECM LOW PROFILE ELECT DEFROST EVAP		
1	EA	97929	ELC090BE 9,000 BTU W/ECM LOW PROFILE ELECT DEFROST EVAP		
1	EA	97930	ELC120BE 12,000 BTU W/ECM LOW PROFILE ELECT DEFROST EVAP		
1	EA	97931	ELC140BE 14,000 BTU W/ECM LOW PROFILE ELECT DEFROST EVAP		
1	EA	97932	ELC160BE 16,000 BTU W/ECM LOW PROFILE ELECT DEFROST EVAP		

RLC and ELC Dimensional Data



Dimensional Data for all Models

Air Defrost Models	Electric and Hot Gas Defrost Models	Dimensions (In.)	
6 FPI	6 FPI	A	B
040		29.50	17.25
052	040	29.50	17.25
065		29.50	17.25
070		45.50	33.25
090	065	45.50	33.25
104		45.50	33.25
120	075	45.50	33.25
130	090	45.50	33.25
140	120	61.50	49.25
156		61.50	49.25
180	140	61.50	49.25
208	160	77.50	65.25
260		93.50	81.25

NOTE: Hanger brackets will accept 3/8" hanger rods.

Model GLC Walk-In Evaporators

Low Profile Hot Gas Defrost Evaporators



Cabinet

- Extended model and capacity offerings to better match with Chandler condensing units.
- New cabinet design features easy front access to electrical and refrigeration components.
- Small physical cabinet size with interior optimized space.
- Panels are isolated for quiet operation.
- Schrader valve on suction header.
- Hanger bars are located inside the cabinet and are powder coated for corrosion protection.
- On 4–6 fan models, lanyards are included as a drain pan holder.
- The electric control board is front-facing for easy access.
- Liquid line solenoid wire harness.
- Pre-drilled holes on the back of the unit for room thermostat and controls.
- UL Listed

Heaters and Coil

- Heaters are coil face mount, for better defrost.
- Internally enhanced tubing and fin design for higher efficiency.
- Reduced heater wattages.
- Fixed defrost termination, adjustable for hot gas.
- Heaters safety limit.

Guards and Motors

- Improved plastic black guard design.
- Motor harness and solenoid harness are at the bottom of the unit for easy access.
- Motor harness easily plugs in.

Drain Pan

- Improved drain pan design
- Drain pan heater design allows for more contact with coil and drain pan.

Model LAH Walk-In Evaporators

Low Velocity Air Defrost Unit Coolers



The LAH low velocity air defrost units feature very low coil face velocity yet provides positive, quiet air movement. This combination assures even box temperatures and high humidity at the same time. LAH unit coolers equal or outperform gravity coils but are far more economical to install. Their low, narrow construction was designed especially for installation between the rail beams in meat storage and aging rooms.

The high humidity characteristics of the LAH minimize shrinkage and dehydration of produce. Model LAH has been designed for the attractive appearance and easy cleaning necessary in food processing. The LAH is best used in applications between 35° and 38° F. Also available in electric or hot gas defrost. UL Listed.

Model HWA Walk-In Evaporators

Low Air Flow Air Defrost Unit Coolers



HWA models are ideal for floral storage, fresh fruit and vegetables, dough retarding, fresh meat storage and preparations, and many other applications of 35° F and above. The low air flow and quiet fans are classically suited for work room applications.

The generous coil surface combined with close T. D. system balance provides high humidity characteristics to minimize product shrinkage and drying. Also available in electric or hot gas defrost. UL Listed.

Call your local G.W. Berkheimer representative for pricing and availability.

CHANDLER REFRIGERATION

Model TLH Walk-In Evaporators

Center Mount Air Defrost Unit Coolers



Model TLH units are compact, medium velocity coolers designed for use in +35° F and above rooms. The low height gives more head room and allows product to be stacked higher. The center ceiling mount with dual air flow allows shelving and storage of product around all walls.

Also equipped with dual drain pans to prevent sweating, the TLH units have a heavy gauge grained aluminum cabinet that cleans easily and looks attractive. The PVC coated fan guards won't rust or rattle.

Ease of installation and service are also part of the design. The panels on the ends quickly remove to complete access to refrigerant components and electrical terminal block, without the need to drop the fan panel/drain pan. UL Listed.

CHANDLER REFRIGERATION

Model TLL Walk-In Evaporators

Center Mount Electric Defrost Unit Coolers



Model TLL is the compact, ceiling mount with only 8-5/8" height that provides maximum headroom in a commercial freezer. The center mount design allows for product to be stacked all around while air flow distributes evenly throughout the box. TLL units are designed for -20° F to +34° F and are ideal for tight storage situations.

Standard features include a heavy gauge grained aluminum cabinet that cleans easily and looks attractive. The stainless steel screws prevent rust streaks, and the PVC coated fan guards won't rust. The TLL unit coolers are designed to be easy to install and service. All the defrost controls are mounted and wired to a terminal board, and panels on either end remove quickly for complete access to the refrigerant components and electrical connection point. A quick disconnect, waterproof plug, and receptable is supplied with each motor. UL Listed.

CHANDLER REFRIGERATION

Model HMA Walk-In Evaporators

Medium Profile Air Defrost Unit Coolers



Model HMA units are designed with superior quality and dependable performance. With features like the innovative Thermo-Flex™ coil design which carries a five-year limited guarantee against refrigerant leaks, internal grooved tubing for greater heat transfer efficiency and motors that plug into the wiring harness for easier accessibility, these units provide long life and dependability to your refrigeration application.

With 10,000 to 71,000 BTUH size ranges and a modular design that is only 25 inches high, these unit coolers serve a variety of commercial and industrial applications. Also available in electric or hot air defrost. UL Listed.

Call your local G.W. Berkheimer representative for pricing and availability.

Model CH Air Cooled Condensing Units

1/2 through 5 HP, Indoor/Outdoor, with Hermetic Compressors



- Micro-channel hyper core, copper tube condenser that works in high ambients.
- Motors rated for 50 and 60 cycle application.
- Fans specifically matched with motor and coil to attain maximum air movement and cooling.
- Prepainted G90 galvanized cabinets for superior strength and corrosion protection including hoods for outdoor units only. Heavy duty steel raised base with 1-1/2" legs.
- A receiver with fusible plug, liquid shutoff valve and charging port is also standard.
- UL Listed.

Extended Medium Temperature R-404A Hermetic Condensing Units‡

CH* Model No.	Compressor	Refrigerant	Suction Temp. ° F	BTUH @ 95° Ambient	Connections (In.)		MCA		Receiver 90% Full Lbs.	Dimensions H x W x D (In.)	Approx. Ship Wt. (Lbs.)
					Liquid IDS	Suction IDS	Air	Elec.			
CH*005X6BFM	RS43C2E	High-Temp R–404A	25	5,970	3/8	1/2	15	20	5.5	17-1/4 x 23-3/4 x 28-1/4	162
CH*008X6BFM	RS55C2E			7,070	3/8	1/2	15	20	5.5	17-1/4 x 23-3/4 x 28-1/4	162
CH*009X6BFM	RS70C2E			8,420	3/8	5/8	15	20	5.5	17-1/4 x 23-3/4 x 28-1/4	171
CH*010X6BFM	RS70C1E			8,850	3/8	5/8	15	20	5.5	17-1/4 x 23-3/4 x 28-1/4	165
CH*010X6CFM				8,850	3/8	5/8	15	20	5.5	17-1/4 x 23-3/4 x 28-1/4	165
CH*015X6BFM	CS10K6E			13,960	3/8	5/8	15	24	9.0	17-1/4 x 37-3/4 x 28-1/4	236
CH*015X6CFM				13,960	3/8	5/8	15	20	9.0	17-1/4 x 37-3/4 x 28-1/4	235
CH*025X6BFM	CS14K6E			17,490	3/8	7/8	15	29	9.0	17-1/4 x 37-3/4 x 28-1/4	244
CH*025X6CFM				17,490	3/8	7/8	15	24	9.0	17-1/4 x 37-3/4 x 28-1/4	245
CH*030X6BFM	CS18K6E			25,490	1/2	7/8	21	38	20.0	29-3/4 x 42-1/2 x 30-1/4	303
CH*030X6CFM				25,490	1/2	7/8	15	29	20.0	29-3/4 x 42-1/2 x 30-1/4	303

Low Temperatre R-404A Hermetic Condensing Unit

CH* Model No.	Compressor	Refrigerant	Suction Temp.	BTUH @ 95° Ambient	Connections (In.)		MCA		Receiver 90% Full (Lbs.)	Dimensions H x W x D (In.)	Approx. Ship Wt. (Lbs.)
					Liquid IDS	Suction IDS	Air	Elec.			
CH*014L6	CF06K63	HFC-404A	-10° F	7,790	3/8	5/8	15	20	5.5	17-1/4 x 23-3/4 x 28-1/4	160
CH*019L6	CF06K63			8,750	3/8	5/8	15	24	9.0	17-1/4 x 37-3/4 x 28-1/4	200
CH*025L6	CF09K6E			13,150	3/8	7/8	20	29	9.0	17-1/4 x 37-3/4 x 28-1/4	209
CH*031L6	CF12K6E			15,909	1/2	7/8	22.3	37.5	14.0	19-3/4 x 37-3/4 x 28-1/4	217

‡ These units are capable of operating in Low Temperature applications. A field installed accumulator defrost time clock needs to be added. Check with your local G.W. Berkheimer representative for BTU ratings.

* = T for outdoor, N for indoor, S for Beacon II.

Med/High Temp R-404A Hermetic Condensing Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2
1	EA	97858	CHT005X6BFM 5970 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97872	CHT008X6BFM 7070 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97859	CHT009X6BFM 8420 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97860	CHT010X6BFM 8850 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97861	CHT010X6CFM 8850 BTU 230-3PH R404A MED TEMP CONDENSING UNIT		
1	EA	97862	CHT015X6BFM 13960 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97863	CHT015X6CFM 13960 BTU 230-3PH R404A MED TEMP CONDENSING UNIT		
1	EA	97864	CHT025X6BFM 17490 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97865	CHT025X6CFM 17490 BTU 230-3PH R404A MED TEMP CONDENSING UNIT		
1	EA	97866	CHT030X6BFM 25490 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97867	CHT030X6CFM 25490 BTU 230-3PH R404A MED TEMP CONDENSING UNIT		

Low Temperature R-404A/507 Hermetic Condensing Units

1	EA	97845	CHT014L6BF 7,790 BTU 230-1 PH R404A LOW TEMP CONDENSING UNIT		
1	EA	97846	CHT014L6CF 7,790 BTU 230-3 PH R404A LOW TEMP CONDENSING UNIT		
1	EA	97847	CHT019L6BF 8,710 BTU 230-1 PH R404A LOW TEMP CONDENSING UNIT		
1	EA	97848	CHT019L6CF 8,710 BTU 230-3 PH R404A LOW TEMP CONDENSING UNIT		
1	EA	97849	CHT025L6BF 13,150 BTU 230-1 PH R404A LOWTEMP CONDENSING UNIT		
1	EA	97850	CHT025L6CF 13,150 BTU 230-3 PH R404A LOW TEMP CONDENSING UNIT		
1	EA	97851	CHT031L6BF 15,909 BTU 230-1 PH R404A LOW TEMP CONDENSING UNIT		
1	EA	97852	CHT031L6CF 15,909 BTU 230-3 PH R404A LOW TEMP CONDENSING UNIT		

CHANDLER REFRIGERATION CZ Air Cooled Condensing Units, Outdoor

Medium and Low Temperature, 1 through 6 HP, with Scroll Compressors



- Large electrical panel for ease of access.
- Prefabricated wiring harnesses for tight connections and to simplify service.
- Encapsulated, auto-reset, high and low pressure controls to eliminate leaks
- Includes: Crankcase heater, head pressure control flooding valve, liquid line drier, and sight glass.
- Defrost timer optional with low temperature models.
- Defrost timer included with medium temperature models.

Medium Temperature — R-448A

Model No.	Compressor	BTUH @ 95°Ambient			Connections (In)		Receiver	Fans	Dimensions H x W x D (In)	Approx. Ship Wt. (Lbs)
		40° F	25° F	10° F	Liquid	Suction	90% Full (Lbs)			
CZT010M6	ZS09KAE	13,710	10,140	7,610	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	209
CZT015M6	ZS13KAE	17,540	13,210	10,170	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	209
CZT020M6	ZS15KAE	19,930	15,330	12,030	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	209
CZT025M6	ZS19KAE	21,410	16,730	13,300	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	218
CZT030M6	ZS21KAE	33,950	26,260	19,810	1/2	7/8	20	1	29-3/4 x 42-1/2 x 30-1/4	287
CZT035M6	ZS26KAE	39,770	30,540	22,820	1/2	7/8	20	1	29-3/4 x 42-1/2 x 30-1/4	290
CZT045M6	ZS29KAE	40,960	32,110	24,520	1/2	1 1/8	20	1	29-3/4 x 42-1/2 x 30-1/4	317
CZT050M6	ZS33KAE	43,760	34,670	26,680	1/2	1 1/8	20	1	29-3/4 x 42-1/2 x 30-1/4	317
CZT055M6	ZS38K4E	45,640*	37,200	28,970	1/2	1 1/8	20	1	29-3/4 x 42-1/2 x 30-1/4	317
CZT060M6	ZS45K43	50,620*	41,470*	32,930	1/2	1 1/8	20	1	29-3/4 x 42-1/2 x 30-1/4	317

* Must use round tube plate fin version of unit.

Medium Temperature — R-404A

Model No.	Compressor	BTUH @95°Ambient			Connections (In)		Receiver	Fans	Dimensions H x W x D (In)	Approx. Ship Wt. (Lbs)
		40° F	10° F	-25° F	Liquid	Suction	90% Full (Lbs)			
CZT010M6	ZS09KAE	17,060	9,570	4,410	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	209
CZT015M6	ZS13KAE	21,950	12,570	5,920	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	209
CZT020M6	ZS15KAE	25,490	14,870	7,120	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	209
CZT025M6	ZS19KAE	27,810	16,310	7,880	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	218
CZT030M6	ZS21KAE	40,480	23,140	10,820	1/2	7/8	20	1	29-3/4 x 42-1/2 x 30-1/4	287
CZT035M6	ZS26KAE	43,480	25,210	11,870	1/2	7/8	20	1	29-3/4 x 42-1/2 x 30-1/4	290
CZT045M6	ZS29KAE	47,860	28,160	13,380	1/2	1 1/8	20	1	29-3/4 x 42-1/2 x 30-1/4	317
CZT050M6	ZS33KAE	51,700	30,550	14,700	1/2	1 1/8	20	1	29-3/4 x 42-1/2 x 30-1/4	317
CZT055M6	ZS38K4E	54,940	35,360	14,500	1/2	1 1/8	20	1	29-3/4 x 42-1/2 x 30-1/4	317
CZT060M6	ZS45K43	62,910	41,500	17,320	1/2	1 1/8	20	1	29-3/4 x 42-1/2 x 30-1/4	317

Low Temperature — R-448A

Model No.	Compressor	BTUH @ 95°Ambient			Connections (In)		Receiver	Fans	Dimensions H x W x D (In)	Approx. Ship Wt. (Lbs)
		0° F	-20° F	-40° F	Liquid	Suction	90% Full (Lbs)			
CZT020L6	ZF06K4E	10,000	6,490	3,830	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	209
CZT025L6	ZF08K4E	12,220	7,980	4,870	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	218
CZT030L6	ZF09K4E	13,340	8,770	5,110	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	218

Low Temperature — R-404A

Model No.	Compressor	BTUH @ 95°Ambient			Connections (In)		Receiver	Fans	Dimensions H x W x D (In)	Approx. Ship Wt. (Lbs)
		0° F	-20° F	-40° F	Liquid	Suction	90% Full (Lbs)			
CZT020L6	ZF06K4E	11,220	7,560	4,600	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	209
CZT025L6	ZF08K4E	13,760	9,320	5,850	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	218
CZT030L6	ZF09K4E	15,200	10,420	6,580	1/2	7/8	14	2	19-3/4 x 37-3/4 x 28-1/4	218

Low Temperature Models R-404A/R-448A

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2
1	EA	97853	CZT020L6BF 230-1PH R404A/R448A SCROLL LW TEMP CONDENSING UNIT		
1	EA	97854	CZT025L6BF 230-1PH R404A/R448A SCROLL LW TEMP CONDENSING UNIT		
1	EA	97855	CZT025L6CF 230-3PH R404A/R448A SCROLL LW TEMP CONDENSING UNIT		
1	EA	97856	CZT030L6BF 230-1PH R404A/R448A SCROLL LW TEMP CONDENSING UNIT		
1	EA	97857	CZT030L6CF 230-3PH R404A/R448A SCROLL LW TEMP CONDENSING UNIT		

Continued on the Following Page

Low Temperature Model R-404A/448A

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2
1	EA	97853	CZT020L6BF 230-1PH R404A/R448A SCROLL LW TEMP CONDENSING UNIT		
1	EA	97854	CZT025L6BF 230-1PH R404A/R448A SCROLL LW TEMP CONDENSING UNIT		
1	EA	97855	CZT025L6CF 230-3PH R404A/R448A SCROLL LW TEMP CONDENSING UNIT		
1	EA	97856	CZT030L6BF 230-1PH R404A/R448A SCROLL LW TEMP CONDENSING UNIT		
1	EA	97857	CZT030L6CF 230-3PH R404A/R448A SCROLL LW TEMP CONDENSING UNIT		

Medium Temperature Model R-404A/448A

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2
1	EA	97873	CZT010M6BFT 230-1PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97874	CZT010M6CFT 230-3PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97875	CZT015M6BFT 230-1PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97876	CZT015M6CFT 230-3PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97877	CZT020M6BFT 230-1PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97878	CZT020M6CFT 230-3PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97879	CZT025M6BFT 230-1PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97880	CZT025M6CFT 230-3PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97881	CZT030M6BFT 230-1PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97882	CZT030M6CFT 230-3PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97883	CZT035M6BFT 230-1PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97884	CZT035M6CFT 230-3PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97885	CZT045M6BFT 230-1PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97886	CZT045M6CFT 230-3PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97887	CZT050M6BFT 230-1PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97888	CZT050M6CFT 230-3PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97889	CZT055M6BFT 230-1PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97890	CZT055M6CFT 230-3PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		
1	EA	97892	CZT060M6CFT 230-3PH R404A/R448A SCROLL MD TEMP CONDENSING UNIT		

CHANDLER REFRIGERATION Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	98002	026215300 10IN 40DEG 5/16 CCW FAN BLADE	
1	EA	98021	038688900 1/20HP 230V 1550RPM CW MOTOR	
1	EA	98036	2530174S 3/4 HP 230V VARIABLE RPM CWSE MOTOR	
1	EA	98037	25303301 14 WATT 230V 1800 RPM CW0SE MOTOR	
1	EA	98017	25309101S 1/15HP 230V 1550RPM CCWSE MOTOR	
1	EA	98032	25309501S 1/20 115V 1550RPM CWSE PSC MOTOR	
1	EA	98033	25309801S 1/15HP 230V 1650RPM CWSE PSC MOTOR	
1	EA	98038	2531193S 1/3 HP 230/460 1140 RPM CW/CCW MOTOR	
1	EA	98025	2531194 40MHP 115V 1550RPM CCWSE MOTOR	
1	EA	98039	25316401 1 1/2HP 230/460-3 1140 RPM CW/CCWSE MOTOR	
1	EA	98027	5021SS 1/150HP 120V 3000RPM CWSE MOTOR	
1	EA	98034	5036NS 1/15HP 115V 1550RPM CWSE PSC MOTOR	
1	EA	98035	5036PS 1/15HP 230V 1550RPM CWSE PSC MOTOR	
1	EA	98005	5101B 5.5IN 24DEG CCW FAN BLADE	
1	EA	98004	5110E 12IN 24DEG CCW FAN BLADE	
1	EA	98003	5140C 12IN 23DEG CW FAN BLADE	
1	EA	98006	5708L OPEN 75 CLOSES 40 THERMOSTAT	
1	EA	98007	5709L OPEN 55 CLOSE 35 DEFROST TERMINATION SWITCH	
1	EA	98015	7071061 1/15HP 230V 1550RPM CCWSE MOTOR	
1	EA	98008	7075819 3 WIRE 50 DEG DEFROST THERMOSTAT	
1	EA	98040	89994801 230V CAREL TEMP CONROLLER KIT	
1	EA	98011	D21194A2 12IN 19DEG CW FAN BLADE	

HHA Warehouse Evaporators

High Profile Air Defrost Unit Coolers



Model HHA large air defrost unit coolers are ideal for warehouse cooler applications. With a wide capacity range and the patented Thermo-Flex™ coil design, these large unit coolers provide efficient, reliable operation. Features include a mill finish aluminum cabinet, 850 RPM motors for low noise and reliability, liquid line solenoid wiring harness for faster installation, suction Schrader fitting for easier suction temperature measurement. Also, the large unit coolers have captive fasteners on access panels for easy servicing; no fumbling with loose bolts and nuts. The HH Series also has a standardized terminal board for easier field wiring.

Options include high CFM motor and fan combinations, totally enclosed motors, low temperature motors for blast cooling, long air throw collars for large warehouse/industrial applications, and insulated drain pans. UL Listed.

Beacon® II Refrigeration System



Beacon II is the next generation of Chandler's patented pre-assembled, factory installed refrigeration system featuring an integrated microcomputer-based electronic control board. Beacon II offers:

- Complete factory installation, wiring, and testing which saves time and money.
- Simple field electrical connections and 24 volt wiring between condensing and evaporator coil.
- Present factory superheat allowing the system to run more efficiently and reducing future adjustments.
- Monitors and controls box temperature, evaporator superheat, condenser fan cycling, system status and defrost from outside the box.
- Monitor and make system changes remotely via modem and exclusive Beacon Smart II software.
- Data logging capabilities with Smart Controller.

HDI Indoor Condensing Units

3/4 through 30 HP with Reed Compressors



HDI models, 3/4 to 30 HP, feature a new leak resistant design that includes a patented free-floating tube condenser coil. Electrical controls are located in an easily accessible control box with a hinged cover which also has room for the defrost controls when required.

HDI models feature a Discus compressor. Receivers are sized for sufficient pump down capacity and vapor-free liquid. The HDI cabinet is constructed from prepainted G90 galvanized steel. UL Listed.

HDD Dual Compressor Outdoor Condensing Units

24 through 80 HP



The HDD condensing unit is a dual compressor vertical discharge outdoor condensing unit that utilizes Copeland Discus compressors.

A wide range of options are available that are ideal for large cold storage or warehouse applications. UL Listed.

HWN and ZWN Water Cooled Condensing Units

1/2 through 6 HP, Remote, with Hermetic or Scroll Compressors



The HW or ZW Series is a water cooled hermetic and scroll condensing unit line. These new condensing units component selection, location, base and unit dimensions are all optimized for easy field replacements or in new installations where space is limited. Extra space is provided inside the electrical box for easy servicing. The area is large enough to accommodate circuit breakers, compressor contactors time clocks, and all start components in one enclosure.

Standard features include compressor isolation valves that enable service technicians to isolate the compressor for service. Also standard is the extra capacity receiver which provides total refrigerant pump down. Ideal for units requiring long line runs. These units are available with Copeland hermetic, scroll low and medium temperature compressors as well as hermetic low temperature compressors for HCFC-22 and HFC-404A. These units are UL listed.

SWN Water Cooled Condensing Units

3/4 through 22 HP, Indoor

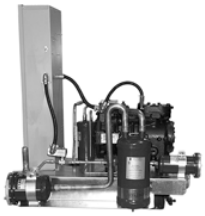


Model SWN are "vessel-mounted" indoor water cooled condensing units. They are complete with a shell and tube, cleanable, water cooled, condenser for those applications where air cooled condensers would not be practical, or water is readily available.

Available in sizes 3/4 to 22 HP in all temperature ranges, the SWN units are an economical, compact selection for many jobs. UL Listed.

SRN Remote and Water Cooled Condensing Units

3/4 through 22 HP, Remote Indoor Compressor



SRN models are indoor compressor units designed for use with a remote air cooled or evaporative condenser. Typical applications include supermarkets, warehouses, convenience stores, or wherever outdoor roof or pad space is at a minimum.

SRN units are available in sizes 3/4 to 22 HP in high, medium and low temperature. UL Listed.

WSS Air Cooled Condensers

1 through 26 Tons



WSS air cooled condensers are designed for efficient performance and low maintenance. The units feature an aluminum cabinet for long life and attractive appearance.

The aluminum fin, copper tube coils have staggered tube design for high efficiency. All coils are dehydrated, pressure tested, sealed with caps, and pressurized for shipment. UL Listed.

HLS/HLE/HLX/HLQ Air Cooled Condensers

21 through 212 Tons, Direct Drive



The HLS/HLE/HLX/HLQ series feature the patented Floating Tube condenser coil which virtually eliminates the possiblity of tube support leaks. The units are configured with single and double wide fan modules and are available with 540, 830 or 1140 RPM motors.

Units may be ordered with painted galvanized or smooth aluminum cabinetry. A wide variety of options are available to allow unit customization.
UL Listed.

McLean COOLING TECHNOLOGY Sealed Enclosure Air Conditioners



Genesis® Compact Indoor Model
The air conditioner is equipped with a thermostat control that offers convenient digital display of enclosure temperature and high temperature alarm (125° F/52°C).

- Flashing display indicates alarm condition
- EMI/RFI noise supressor is standard

Genesis Model

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	69151	M28-0626-G030HD 6000 BTU 230V 1PH CABINET COOLER	

Manitowoc SM50 Series Ice Machine



- Individual cubes with unique octagon shape
- Water filter system integrated inside machine with depth filtration and scale inhibitor
- Lighted bin (LED light) with large opening for easy access
- 3-year parts and labor warranty on entire machine

NOTE: This product is intended exclusively for commercial application. No warranty extended for personal, family, or household purposes.

Model	Pounds/ Day	Cube Size	Height (In.)	Width (In.)	Depth (In.)	Voltage	Ice Storage Capacity (Lbs.)
SM50A	53	Octagonal	34	14-3/4	23-1/2	115	25

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98100	SM-50-A 50# STD OCTAGON AIR COOLED ICE MACHINE

Manitowoc Indigo Series 300 Ice Cube Machine



Shown on B-400 Bin

- Space-saving Design
- Intelligent diagnostics
- Acoustical ice sensing probe
- EasyRead display
- Programmable ice production
- Easy-to-clean foodzone
- DuraTech exterior

Model	Pounds/ Day	Cube Size	Height (In.)	Width (In.)	Depth (In.)	Voltage	Compatible Ice Storage Bin
ID-0302A	310	Dice	16-1/2	30	24-1/2	115/60/1	B-170 and B-400
ID-0303W	300	Dice	16-1/2	30	24-1/2	115/60/1	
ID-0304A	310	Half-Dice	16-1/2	30	24-1/2	115/60/1	
ID-0305W	300	Half-Dice	16-1/2	30	24-1/2	115/60/1	

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98261	ID-0302A 310# DICE AIR COOLED ICE MACHINE
1	EA	98894	ID-0303W 300# DICE WATER COOLED
1	EA	98273	IY-0304A 310# HALF DICE AIR COOLED ICE MACHINE
1	EA	98274	IY-0305W 310# HALF DICE WATER COOLED ICE MACHINE

Manitowoc SM50 Series Ice Machine



- Individual cubes with unique octagon shape
- Water filter system integrated inside machine with depth filtration and scale inhibitor
- Lighted bin (LED light) with large opening for easy access
- 3-year parts and labor warranty on entire machine

NOTE: This product is intended exclusively for commercial application. No warranty extended for personal, family, or household purposes.

Model	Pounds/ Day	Cube Size	Height (In)	Width (In)	Depth (In)	Voltage	Ice Storage Capacity (Lbs)
SM50A	53	Octagonal	34	14-3/4	23-1/2	115	25

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98100	SM-50-A 50# STD OCTAGON AIR COOLED ICE MACHINE

Manitowoc Indigo Series 300 Ice Cube Machine



Shown on B-400 Bin

- Space-saving design
- Intelligent diagnostics
- Acoustical ice sensing probe
- EasyRead display
- Programmable ice production
- Easy-to-clean foodzone
- DuraTech exterior

Model	Pounds/ Day	Cube Size	Height (In)	Width (In)	Depth (In)	Voltage	Compatible Ice Storage Bin
ID-0302A	310	Dice	16-1/2	30	24-1/2	115/60/1	B-170 and
ID-0305W	300	Half-Dice	16-1/2	30	24-1/2	115/60/1	B-400

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98261	ID-0302A 310# DICE AIR COOLED ICE MACHINE
1	EA	98274	IY-0305W 310# HALF DICE WATER COOLED ICE MACHINE

Manitowoc Indigo Series 322 Ice Cube Machine



Shown on Storeage Bin

- Space-saving design
- Intelligent diagnostics
- Acoustical ice sensing probe
- EasyRead display
- Programmable ice production
- Easy-to-clean foodzone
- DuraTech exterior

Model	Pounds/ Day	Cube Size	Height (In)	Width (In)	Depth (In)	Voltage	Compatible Ice Storage Bin
ID-0322A	355	Dice	21-1/2	22	24-1/2	115/60/1	B-320 amd B-420

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98262	ID-0322A 350# DICE AIR COOLED

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc Indigo Series 500 Ice Cube Machines



Shown on Storage Bin

- Space-saving design
- Intelligent diagnostics
- Acoustical ice sensing probe
- EasyRead display
- Easy-to-clean foodzone
- DuraTech exterior
- Programmable ice production

Model	Pounds/ Day	Cube Size	Height (In)	Width (In)	Depth (In)	Voltage	Compatible Ice Storage Bin
ID-0502A	530	Dice	21-1/2	30	24-1/2	115/60/1	B-570
IY-0504A	560	Half-Dice	21-1/2	30	24-1/2	115/60/1	
IY-0505W	550	Half-Dice	21-1/2	30	24-1/2	115/60/1	

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98896	ID-0502A 530# DICE AIR COOLED
1	EA	98279	IY-0504A 560# HALF DICE AIR COOLED
1	EA	98280	IY-0505W 560# HALF DICE WATER COOLED

Manitowoc QM Series Ice Machines



- Attractive stainless steel cabinet with euro-design
- Easy access door, slides up and out of way
- Patented cleaning and sanitizing technology
- Front air intake and exhaust
- CFC-free R-134A refrigerant
- 3-year parts and labor warranty

Model No.	Pounds/Day	Cube Size	Height (In)	Width (In)	Depth (In)	Voltage	Weight (Lbs.)
QM-30A	52	Dice	30	19-2/3	22-1/3	115	109
QM-45A	65	Dice	30	19-2/3	22-1/3	115	114

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98101	QM-30A 65# DICE UNDERCOUNTER CUBER
1	EA	98102	QM-45A 95# DICE UNDERCOUNTER CUBER

Manitowoc NEO 240 Undercounter Ice Machine



- Produces more ice than ever before while using less water and energy
- Gives feedback with full bin and service indicators
- Offers forward-sliding storage bin for easy access to refrigeration components
- Available LuminIce Growth Inhibitor extends cleaning intervals by reducing bacteria growth
- The storage bin provides industry leading capacity
- Smooth, sealed food-zone with removable water trough, distribution tube, and damper door for faster cleaning

Model No.	Pounds/ Day	Cube Size	Height (In)	Width (In)	Depth (In)	Voltage	Ice Storage Capacity (Lbs)
UD-0310A	304	Dice	32-1/2	30	28	115/60/1	100
UY-0310A	304	Half-Dice	32-1/2	30	28	115/60/1	100

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98926	UD-0240A 225# DICE AIR COOLED
1	EA	98928	UY-0240A 225# HALF DICE AIR COOLED

Manitowoc B-Style Ice Storage Bins



Stainless steel exterior is durable, corrosion-resistant, and attractive. 1 set of stainless steel legs included in bin price for B-series bin. Height includes bin legs set at 6 inches. Legs adjust from 6 to 7-3/4 inches.

Model No.	Storage Capacity		Use With	Ship Weight (Lbs)	Height (Un)	Width (In)	Depth (In)
	ARI/Lbs.	Cubic Ft.					
B-170	150	6.1	300, 450, 500	68	25	30	29-1/2
B-400	290	12.3	300, 450, 500, 600, 850, 1000, 1200	98	38	30	34
B-420	310	12.9	322, 422	104	50	22	34
B-570	430	17.9	300, 450, 500, 600, 850, 1000, 1200	122	50	30	34

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98173	B-170 180# CAPACITY ICE STORAGE BIN
1	EA	98175	B-400 290# CAPACITY ICE STORAGE BIN
1	EA	98176	B-420 310# CAPACITY ICE STORAGE BIN
1	EA	98177	D-570 430# CAPACITY ICE STORAGE BIN

Manitowoc Line Sets

Ice Machine	Line Set	Suction Line Size	Liquid Line Size
S-500, S-600, S-850, S-1000	RT 20 30 50	1/2	5/16
S-1400, S-1600, S-1800, Q-1800	RL 20 35 50	1/2	3/8
S-600C, S-850C, S-1000C, IB-600C, IB-800C, IB-1000C, Q-800C, SF-900C, SF-1200C, SF-2000C, SN-950C, SN-1250C, SN-2050C	RC 21 31 51	5/8	3/8
Q-1000C, Q-1400C, S-1200C, S-1470C, S-1870C, S-2070C, SU-1000C, IB-1000C	RC 20 30 50	3/4	1/2

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98211	RT-35-R-404A 500, 600, 850, 1000 SERIES 35FT LINE-SET
1	EA	98215	RL-50-R-404A 500, 600, 850, 1000 SERIES 50FT LINE-SET

Manitowoc Filtration and Cleaning Accessories



Arctic Pure Water Filters

Arctic Pure reduces chlorine taste and odor. It has a built-in scale inhibitor and a graded density carbon block filter.

The **AR-PRE** model is a pre-filter and reduces dust and rust sediment. It can be used with all ice machine models.

- The **AR 10000** can be used on the QM30 and 45, Q-130, 210 and 270, S-300 through S-600, IB-600, QF-400, SF-400, 600 and 900 and the SN-450, 650 and 950 ice machine models. It has a 14,000 gallon capacity and 0-600 pounds of ice per day.
- The **AR 20000** can be used on the S-850, S-1000, IB-800 and IB-1000 ice machine models. It has a 20,000 gallon capacity and 601-1000 pounds of ice per day.
- The **AR 4000** can be used on the S-1200, 1400, 1600 and 1800, SF-1200 and 2000, SN-1250 and 2050 and the S-1470C, 1870C and 2070C ice machine models. It has a 40,000 gallon capacity and 1,001-2,500 pounds of ice per day.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
6	BOX	98249	K-00206 REPLACEMENT SACHET FOR GSI200, 6/BOX
12	EA	98251	K-00338 ARCTIC PURE 10000 REPLACEMENT FILTER CARTRIDGE
6	PKG	98252	K-00339 ARCTIC PURE 20000/40000 REPLACEMENT FILTER CARTRIDGE
12	EA	98258	K-00374 ARCTIC PURE AR-2800 REPLACEMENT FILTER CARTRIDGE
12	PKG	98260	K-00337 ARCTIC PURE AR-PRE REPLACEMENT FILTER CARTRIDGE

Manitowoc Parts and Accessories

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98818	000000084 CLEANER
1	EA	98889	000000375 (000009120) WATER INLET VAL
1	EA	98427	000001767 SOLENOID & DUMP VALVE KIT
1	EA	98431	000001768 Q SERIES SOLENOID & DUMP VALVE KIT
1	EA	98845	000005162 PINT 94-0546-3 ICE MACHINE CLEANER
1	EA	98936	000008660 ICE THICKNESS PROBE
1	EA	98893	000009123 WATER INLET VALVE
1	EA	98332	20-0619-9 CONTROL BOARD
1	EA	98333	20-0654-9 WATER LEVEL PROBE
1	EA	98336	20-0658-9 CONTACTOR
1	EA	98347	20-0793-9 TOGGLE SWITCH
1	EA	98348	20-0802-9 ICE THICKNESS PROBE
1	EA	98351	20-0892-9 115V WATER PUMP
1	EA	98375	23-0148-3 BIN SWITCH
1	EA	98376	23-0151-3 TOGGLE SWITCH
1	EA	98479	24-1292-9 FAN MOTOR
1	EA	98480	24-1293-9 FAN MOTOR
1	EA	98489	25-1129-3 WATER LEVEL PROBE
1	EA	98499	37-0021-3 POS DRIVE BELT
1	EA	98505	37-4008-3 PULLEY ASSEMBLY
1	EA	98508	40-0360-9 WATER TROUGH
1	EA	98523	40-1114-9 WATER CURTAIN
1	EA	98524	40-1118-9 WATER CURTAIN
1	EA	98565	43-0464-3 WATER CURTAIN
1	EA	98623	76-0132-3 COMPRESSOR
1	EA	98627	76-0160-3 SENSOR PROBE AS
1	EA	98629	76-0219-3 WATER DISTRIBUT
1	EA	98654	76-2061-3 ICE PROBE
1	EA	98674	76-2306-3 115 V WATER PUMP
1	EA	98713	76-2601-3 230 WATER PUMP
1	EA	98714	76-2621-3 TOP EXTRUSION
1	EA	98739	76-2781-3 ICE THICKNESS
1	EA	98740	76-2782-3 CONTROL BOARD
1	EA	98742	76-2802-3 WATER CURTAIN MAGNET/CLIP
1	EA	98757	76-2907-3 CONTROL BOARD
1	EA	98766	76-2941-3 FAN MOTOR
1	EA	98769	76-2952-3 AIR FILTER ASSY
1	EA	98789	82-5112-9 WATER PUMP 115V
1	EA	98808	83-6904-9 FLOAT VALVE
1	EA	98811	83-6913-3 FLOAT VALVE
1	EA	98824	85-0500-3 PTCR MOTOR STAR
1	EA	98847	94-0580-3 GALLON ICE MACHINE CLE
1	EA	98243	K-00144 UNDERCOUNTER AND B-400 BIN 12IN ADJUSTABLE FLANGE
1	EA	98288	K00458 48IN B/S-970 Q OR S TO MANITOWOC BIN ADAPTER KIT

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U-LINE CORPORATION

BI-98B Compact Ice Maker

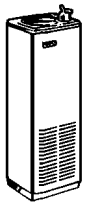


For home, office, motel. Cubes when and where you want them. Produces 23 pounds per day (1050 cubes). The storage bin holds 1050 cubes. Compact size: 27-3/8" H x 14-13/16" W x 20" D. Black. No drain required. One year limited warranty on parts and labor, five year parts only warranty on the compressor.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95886	BI-98B ICE MAKER-BLACK	

OASIS

Water Coolers



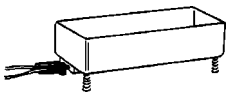
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Cold Water Capacity	Hot Water Capacity	Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
0.6	N/A	38-1/2 x 12-1/4 x 12-1/4	1	EA	96486	BPE1SK BTLD WTR COOLER	
10	N/A	40 x 12 x 12	1	EA	96490	P10CP FREE-STANDING WTR COOLER	
8	N/A	40 x 17 x 14	1	EA	96495	PLF8FAH AGAINST-A-WALL OR FREE-STANDING WTR COOLER	

Supco

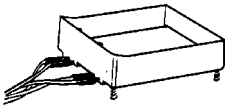
Condensate Drain Pans

For Commercial Refrigerators and Freezers



30-OS

- Long life heating element
- Cast aluminum construction
- Designed for continuous use
- Mounting legs



75

Model No.	Voltage	Evaporation Rate	Capacity	Watts	Size
30-OS	120	8 oz./hr.	38 oz.	160	10 x 4 x 2-7/8
75	120	14 oz./hr.	75 oz.	320	10 x 9 x 2-3/4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94853	30-OS CONDENSATE DRAIN PAN	
1	EA	94854	75 CONDENSATE DRAIN PAN	

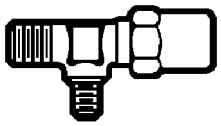
Bullet Restricto Cap Tubing



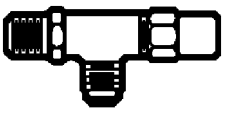
Fits any domestic and commercial refrigerator or room air conditioner 1/8 HP to 5 HP.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94872	BC-1 .081OD X .031ID CAP TUBE	
1	EA	94873	BC-2 .093OD X .040ID CAP TUBE	
1	EA	94874	BC-3 .093OD X .052ID CAP TUBE	
1	EA	94875	BC-4 .125OD X .064ID CAP TUBE 12 FT	

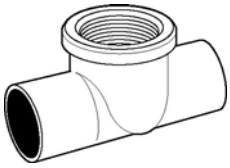
Streamline Tube • Fittings • Valves Packed Angle Relief Valve



Angle (Non-backseating) MPT Inlet to Flare



Angle (Backseating) MPT Inlet to Flare



WT602

Non-Backseating Angle Relief Valve

Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3/8 MPT x 3/8 Flare	1	EA	93338	A13503 RECEIVER VALVE	

Backseating Angle Relief Valve

1/2 MPT x 5/8 Flare	1	EA	93344	A 13220 RECEIVER VALVE	
1/2 MPT x 1/2 Flare	1	EA	93346	A 13183 RECEIVER VALVE	

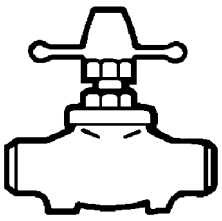
WT602 Forged Tee C x C x F

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-99	PC-2 100
25	EA	54375	WT602 3/8X3/8X1/4 FPT TEE FORGED BRASS		

Streamline
A BRAND OF MUELLER INDUSTRIES

Packed Line Valves

Globemaster valves are designed to provide maximum flow with minimum restriction to flow. Design results in low turbulence at high refrigerant flow rates. Angle types have greater flow capacity than straight-through types. The maximum working pressure is 425 PSI with flow in the direction of the arrow on the body and 300 PSI with flow against the arrow.

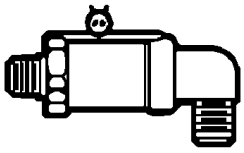


Straight Through Solder to Solder Type GM-II-2

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93323	A15250 7/8 ODS 2 WAY WING VALVE	
1	EA	93326	A15253 1 5/8 ODS 2 WAY WING VALVE	

Streamline
Tube • Fittings • Valves

Pressure Relief Valves

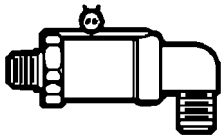


Angle MPT to Flare

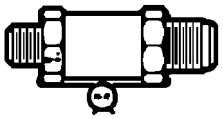
Angle 235 & 400 LB. MPT Inlet to Flare

Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3/8 MPT x 3/8 Flare	1	EA	93358	AH 15512-400 ANGLE RELIEF VALVE	
1/2 MPT x 5/8 Flare	1	EA	93363	AD 15514-235 ANGLE RELIEF VALVE	

Streamline Tube • Fittings • Valves Pressure Relief Valves



Angle MPT to Flare



Straight Through MPT to Flare

Straight Through 235 & 400 Lb. MPT Inlet to Flare

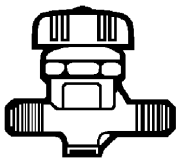
Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/4 MPT x 3/8 Flare	1	EA	93370	AD 15501-235 STRT RELIEF VALVE	
1/4 MPT x 3/8 Flare	1	EA	93371	AH 15501-400 STRT RELIEF VALVE	
3/8 MPT x 1/2 Flare	1	EA	93374	AD 15503-235 STRT RELIEF VALVE	

450 Lb. Relief Valve MPT Inlet to Flare (Angle & Straight)

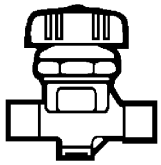
1/4 MPT x 3/8 Flare	1	EA	93380	AJ15501-450 STRT RELIEF VALVE	
3/8 MPT x 3/8 Flare	1	EA	93381	AJ15502-450 STRT RELIEF VALVE	
1/4 MPT x 3/8 Flare	1	EA	93383	BJ33746-450 ANGLE RELIEF VALVE	
3/8 MPT x 3/8 Flare	1	EA	93384	AJ15512-450 ANGLE RELIEF VALVE	
1/2 MPT x 5/8 Flare	1	EA	93385	AJ15514-450 ANGLE RELIEF VALVE	

Streamline Tube • Fittings • Valves Packless Diaphragm Valves

Straight



Straight through Flare to Flare Type I

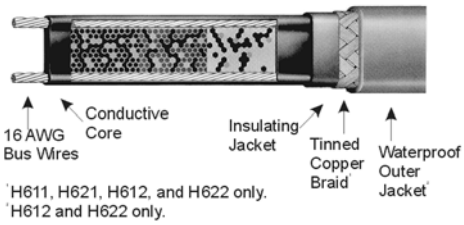


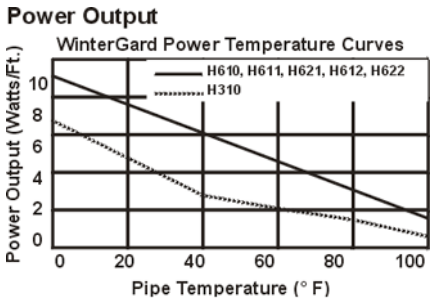
Straight Through Solder to Solder Type I

- Forged brass body with full size openings for maxium flow and minimum pressure drop.
- Diaphragms for positive isolation.
- Compatible with all CFC, HCFC and HFC refrigerants and oils.
- Maximum abnormal pressure (MAP) with the flow in the direction of the arrow on the body: 700 psig, 48 bar.
- Maximum abnormal pressure (MAP) with the flow against the direction of the arrow on the body: 300 psig , 24 bar.
- Continuous operating temperature (COT): -40° F/300° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93284	A14836 1/2 IN FLARE 2 WAY VALVE	
1	EA	93285	A14837 5/8 IN FLARE 2 WAY VALVE	
1	EA	93287	A14840 3/8 IN ODS 2 WAY VALVE (QA14840)	
1	EA	93288	A14841 1/2 IN ODS 2 WAY VALVE (QA14841)	

Raychem WinterGard Pipe Heating Cable





WinterGard
Freeze protection for metal and plastic pipes as well as underground metal pipes.

WinterGard Plus
Freeze protection for metal and plastic pipe as well as underground metal pipes. Cable made with tinned copper braid for grounding.

WinterGard Wet
Freeze protection for metal and plastic pipes as well as underground metal pipes. Waterproof outer jacket allows it to be used on pipes in wet areas. Can also be used for roof and gutter deicing. Cable is made with tinned copper braid for grounding.

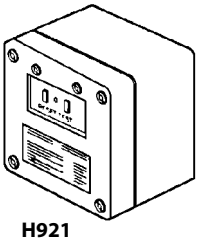
Model No.	"H" Cable Type	Cable Construction*	Voltage	Watts/Ft.**	Reel Length
H311250	WinterGard H311	1	120	3	250
H611250	WinterGard Plus H611	1	120	6	250
H621100	WinterGard Plus H621	1	240	6	100
H621250	WinterGard Plus H621	1	240	6	250
H612250	WinterGard Plus H612	2	120	6	250
H622250	WinterGard Plus H622	2	240	6	250

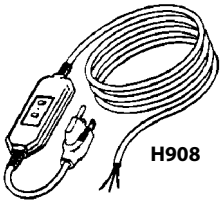
*Construction: "1" = braided metal shield only; "2" = waterproof polyolefin outer jacket over metal shield.

**Watts/Ft. on 40° F metal pipe.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
250	FT	91576	H311250 3WATT 120VOLT WINTERGARD HEATING CABLE	—
250	FT	91577	H621250 6WATT 240VOLT WINTGARD PLUS HEATING CABLE	—
250	FT	91579	H611250 6WATT 120VOLT WINTGARD PLUS HEATING CABLE	—
250	FT	91580	H612250 6WATT 120VOLT WINTGARD WET HEATING CABLE	—
250	FT	91588	H622250 6WATT 240 VOLT WINTGARD WET HEATING CABLE	—

Raychem WinterGard® Heating Cable Accessories


H921


H908

H900 Power Connection
For a hard-wired connection and end seal for one heater circuit.

H908 Plug-in Power Connection Kit
For use with 120-volt WinterGard® heating cables. Outdoor water resistant 14/3 SJTW-30: cord set and ultrasonically welded water resistant enclosure. Rated 15A 120-volt. 27mA ground-fault trip level. Ensures your heating cable system complies with the National Electrical Code.

H921 Ground-Fault Protection Junction Box
This 120V unit contains an equipment leakage circuit interrupter that has a 27mA trip level. For use in ordinary areas. Rated NEMA 3 (rain-tight).

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	91584	H900 POWER CONNECTION KIT	—
1	KIT	91585	H908 120V PLUG-IN PWR CONN KIT	—
1	KIT	91599	H912 GEL FILLED END SEAL CAP KIT	—
5	EA	91625	H903 APPLICATIONS TAPE & LABELS	—
5	EA	91626	H904 DOWNSPOUT HANGER FOR #612 & H622	—
5	EA	91628	H910 SPLICE & TEE KIT - WATERPROOF	—

NOTE: H904 for use with H612 and H622.

Raychem FrostGuard Heating Cable

Pre-assembled



Features

- Raychem FrostGuard preassembled self-regulating, heating cables are designed for residential and commercial metal and plastic pipe freeze protection and roof and gutter de-icing applications.
- Nominal power output on pipes at 40° F: 6 W/Ft.

FG1 120V Cable

- Comes assembled with a 6-ft. power cord and 3-prong grounded, lighted plug to show the system is on.
- Ideal for smaller jobs such as room and gutter de-icing on porches and overhangs, as well as for pipe freeze protection on metal or plastic pipes up to 2.5" diameter.

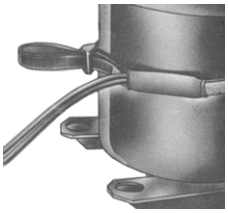
FG2 240V Cable

- Comes assembled with a 6-ft. power cord for termination in a junction box.
- Designed for pipe freeze protection applications only on pipes up to 2.5" diameter.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	91633	FG1-6P 6FT 120V FROSTGUARD PRE-ASSEMBLED HEATING CABLE	—
1	EA	91634	FG1-12P 12FT 120V FROSTGUARD PRE-ASSEMBLED HEATING CABLE	—
1	EA	91635	FG2-6L 6FT 240V FROSTGUARD PRE-ASSEMBLED HEATING CABLE	—
1	EA	91636	FG2-12L 12FT 240V FROSTGUARD PRE-ASSEMBLED HEATING CABLE	—
1	EA	91595	W51-6P 6FT PRE-ASSEMBLED HEATER	—
1	EA	91596	W51-12P 12FT PRE-ASSEMBLED HEATER	—
1	EA	91597	W52-6L 6FT 240V PRE-ASSEMBLED HEATER	—
1	EA	91598	W52-12L 12FT PRE-ASSEMBLED HEATER	—

Raychem FreezGard® Self-Regulating Crankcase Heaters

for Compressors, UL Listed

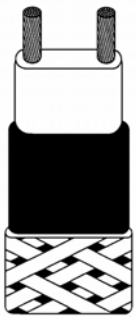


Volts	Power Output at 0° F	Power Output at 60° F	Girth (Wrap Around Dimensions)
120 Vac 240* Vac	60 Watts All Heaters	35 Watts All Heaters	Will fit crankcases with circumferences smaller than 40 inches.

* 208-277V range.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	91589	CCH-1 120V FREEZGARD CRANKCASE HTR	—
1	EA	91590	CCH-2 240V FREEZGARD CRANKCASE HTR	—

CHROMALOX Self-Regulating Low Temp Heating Cable



SRL 8-1C self-regulating heating cable provides safe, reliable heat tracing for freeze protection of pipes, valves, tanks, and similar applications. The 150°F maximum pipe maintenance temperature rating is also suitable for certain process applications. Chromalox SRL 8-1C can be used in hazardous as well as certain mildly corrosive areas.

Service Voltage: 120
Max. Pipe Maintenance Temp. Power On: 150° F
Max. Intermittent Exposure Temp. Power Off: 185° F
Buss Wire Gauge AWG: 16
Cable Dimension Nominal: 3/8" x 1/8"
Max. Circuit Length: 210 ft.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63677	RTPC POWER BOX W/O GROMMET	—
1	RLL	63678	SRL 8-1C 120V 8W 100 FT CABLE	—
1	EA	63721	RTES END SEAL FITTING	—

Group 7 Controls

Group 7 Controls

Residential Thermostats..... 7 - 1
Commercial Thermostats..... 7 - 17
Thermostat Covers..... 7 - 25
Transformers..... 7 - 26
Electric Heat Replacement Parts..... 7 - 29
Contactors..... 7 - 31
Fan Control Centers..... 7 - 34
General Purpose Switching Relays..... 7 - 37
Humidity Controls..... 7 - 40
Fan and Limit Controls..... 7 - 42
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Gas Regulators..... 7 - 62
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Temperature Sensors..... 7 - 95
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Voltage Monitors..... 7 - 137
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Honeywell RedLINK™ Comfort Systems



Honeywell's exclusive RedLINK wireless technology is a full-suite, wireless-enabled, comfort system with accessory add-ons that offer comfort, convenience, and connection. And the ease of wireless installation means no added labor costs and optimized profitability.

Begin with an Equipment Remote Module or RedLINK-enabled thermostat then choose the appropriate RedLink accessories to give homeowner's customized control of their comfort system.

The RedLINK proprietary network facilitates a strong signal and a secure, uniterrupted connection. It works with the Total Connect Comfort (TCC) app, available for Android or iOS, or with the TCC web interface.

RedLINK Accessories

- **RedLINK Internet Gateway:** Connect the gateway unit to any RedLINK-enabled thermostat to allow remote access to the comfort system from a PC or from a smart phone or tablet via a free app. Up to four thermostats/systems per gateway.
- **Portable Comfort Control:** This control gives homeowners the ability to make adjustments from anywhere in the conditioned space. One portable comfort control per thermostat.
- **Equipment Interface Module (EIM) for FocusPro:** Easily relocate thermostats or upgrade equipment without running new wires using theis module and a wireless FocusPro thermostat. One EIM per thermostat.
- **Equipment Interface Module (EIM), RedLINK:** Easily upgrade equipment or add IAQ accessories without running new wires to the thermostat. Heating, cooling, and IAQ equipment is wired to the EIM. One EIM per thermostat.
- **Wireless Outdoor Air Sensor:** Installed on the exterior of a home, this sensor communicates through RedLINK to display the outdoor temperature and humidity on all RedLINK-enabled thermostats and on the Portable Comfort Control. One soutdoor sensor per thermostat.
- **Wireless Indoor Air Sensor:** When paired with a Prestige IAQ or VisionPRO thermostat this sensor allows more precise control of indoor temperature and humidity. Up to six indoor sensors per thermostat.
- **Wireless Adapter:** Can be used with TrueZone panels to wirelessly add zoning to a home or add more zones to an existing system. Can be used with RedLINK enabled thermostats to wirelessly control TrueSteam humidifiers. Can also be used to extend the wireless range of EIM.

Accessories can be found on the following pages with the Prestige, VisionPro, and FocusPro thermostats and system kits.

Honeywell ERM5220 Equipment Remote Module and System Kits

For RedLINK Equipment Installations



- Save installation time by connecting a condensing unit, heat pump, or boiler to control devices without using wires.
- Using an ERM outside, an Equipment Interface Module and a RedLINK-enabled thermostat inside makes complete system installations simpler than ever.
- RedLINK technology lets control devices communicate wirelessly with equipment.
- Temperature sensor terminals provide outdoor temperature sensing as well as indoor freeze protection.
- In boiler applications up to two ERMs can be enrolled in a system.
- The powerful wireless range ensures reliable operation in nearly any application.
- LEDs for fast, easy equipment checks.
- Simple user interface and setup.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	73401	ERM5220R1018/U EQUIPMENT REMOTE MODULE	
12	EA	73402	YERM5220R8321/U VISIONPRO WITH EQUIPMENT REMOTE MODULE	
12	EA	73403	YERM5220RVPEIM/U VISIONPRO, EIM, & EQUIPMENT REMOTE MODULE	

Honeywell Prestige™ IAQ Thermostat and System Kits

With RedLINK Technology



Prestige IAQ RedLINK System Kits

The Prestige IAQ thermostats are a part of Honeywell's suite of RedLINK comfort system products. This exclusive wireless technology offers comfort, convenience, and connection.

The Prestige IAQ is RedLINK enabled to work with the RedLINK Internet Gateway, Total Connect, Wireless Outdoor Air Sensor, Wireless Indoor Air Sensor, Portable Comfort Control, Wireless Adapter, TrueSteam, and TrueZone panels. Also works with Entry/Exit Remote and Vent/Filter Remote (non-stock options).

Prestige IAQ Thermostats

- High-definition, color touchscreen
- 3 sets of universal IAQ contacts to control humidification, dehumidification, and ventilation.
- Delta T provides alerts and diagnostics when system needs service.
- Up to 4 Heat/2 Cool heat pump or 3 Heat/2 Cool conventional
- Selectable staging options
- Works with integrators including IFTTT and Wink for enhanced comfort and control

Kits Include

Model No	Thermostat	Equipment Interface Module	Return/Discharge Air Temp Sensors	Wireless Outdor Sesnsor	RedLINK Internet Gateway
YTHX9421R5085	THX9421R5021	THM5421R1021	C7735A1000	—	—
YTHX9421R5101	THX9421R5021	THM5421R1021	C7735A1000	C7089R1013	—
YTHX9421R5127	THX9421R5021	THM5421R1021	C7735A1000	—	THM6000R1002

Thermostat Specifications

Model No	Programmability	Power Method	Stages		Switch Position		Operating Temp. Range (° F)
			Heating	Cooling	System	Fan	
THX9421R5021	7-Day	Hardwired	3 (4/Heat Pump)	2	Heat-Off-Cool-Auto-Em Heat	Auto-On-Circ-Follow Schedule	32–120

System Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	73432	YTHX9421R5085WW/ PRESTIGE HD WHITE COMFORT SYSTEM KIT	
12	EA	73435	YTHX9421R5085BB PRESTIGE HD BLACK COMFORT SYSTEM KIT	
12	EA	73436	YTHX9421R5101WW/ U PRESTIGE HD WHITE COMFORT SYSTEM KIT	
12	EA	73439	YTHX9421R5101BB PRESTIGE HD BLACK COMFORT SYSTEM KIT	
12	EA	73475	YTHX9421R5127WW/ PRESTIGE HD WHITE IAQ REDLINK KIT	

Thermostat

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73441	THX9421R5021WW/U PRESTIGE HD WHITE IAQ REDLINK THERMOSTAT		

RedLINK Accessories

See page 7-1 for further information on accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	73391	C7089R1013/U WIRELESS OUTDOOR SENSOR	
12	EA	73406	C7189R1004/U WIRELESS INDOOR SENSOR	
1	EA	78643	C7735A1000/U DISCHARGE AIR SENSOR	
12	EA	73394	REM5000R1001/U WIRELESS PORTABLE COMFORT CONTROL	
12	EA	73429	THM5421R1021/U IAQ EQUIPMENT INTERFACE MODULE	
12	EA	73451	YTHM5421R1010/U IAQ EQUIPMENT INTERFACE MODULE WITH SENSORS	
12	EA	73392	THM4000R1000/U WIRELESS ADAPTER	
12	EA	73400	THM6000R1002/U REDLINK ENABLED INTERNET GATEWAY	
12	EA	73369	THP9045A1023/U SAVE A WIRE MODULE	

Wall Plates and Cover Plates

12	EA	73373	50028399-001/U COVER PLATE FOR PRESTIGE	
12	EA	73452	THP2400A1027W/U PRESTIGE IAQ WHITE WALL COVER PLATE	
12	EA	73453	THP2400A1027B/U PRESTIGE IAQ BLACK WALL COVER PLATE	

Honeywell VisionPRO™ 8000 Thermostats and System Kits

with RedLINK Technology



VisionPro RedLINK System Kits

The VisionPro thermostats are a part of Honeywell's suite of RedLINK comfort system products. This exclusive wireless technology offers comfort, convenience, and connection.

The VisionPro is RedLINK enabled to work with the RedLINK Internet Gateway, Total Connect, Wireless Outdoor Air Sensor, Wireless Indoor Air Sensor, Portable Comfort Control, Wireless Adapter, TrueSteam, and TrueZone panels. Also works with Entry/Exit Remote and Vent/Filter Remote (non-stock options).

VisionPro 8000 Thermostats

- Up to 4 Heat/2 Cool heat pump or 3 Heat/2 Cool conventional when used with the Equipment Interface Module
- Dual-powered: battery or hard wired.
- 7-day programmable or non-programmable
- Micro SD port for quick installer setup
- **TH8321** model has one assignable output to control humidification, dehumidification, ventilation or a stage of heating/cooling.
- **TH8320** and **TH8110** models require use of Wireless Indoor Sensor to control humidifcation and dehumidifcation.

System Kits Include

Model No	Thermostat	Equiment Interface Module	Equiment Remote Module	RedLINK Internet Gateway
YTH8321R1002	TH8321R1001	—	—	THM6000R1002
YERM5220R8321	TH8321R1001	—	ERM5220R1018	—
YERM5220RVPEIM	TH8321R1001	THM5421R1021	ERM5220R1018	—

Thermostat Specifications

Model No.	Programmability	Power Method	Stages		Switch Position		Operating Temp. Range (° F)
			Heating	Cooling	System	Fan	
TH8321R1001	7-Day	Battery	2	2	Heat-Off-	On-Auto-	32–120
TH8320R1003	or	or	(3/Heat Pump)		Cool-Auto-	Circ-Follow	
TH8110R1008	Non-Programmable	Hardwired	1	1	Em. Heat	Schedule	

System Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	73479	YTH8321R1002/U VISIONPRO REDLINK KIT	
12	EA	73402	YERM5220R8321/U VISIONPRO WITH EQUIPMENT REMOTE MODULE	
12	EA	73403	YERM5220RVPEIM/U VISIONPRO, EIM, & EQUIPMENT REMOTE MODULE	

Thermostats

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73414	TH8321R1001/U 3H 2C W/DEHUMIDITY CTL VISIONPRO THERMOSTAT W/REDLINK		
12	EA	73413	TH8320R1003/U 3H 2C VISION PRO THERMOSTAT WHITE W/REDLINK		
12	EA	73412	TH8110R1008/U 1H-1C VISION PRO THERMOSTAT WHITE W/REDLINK		

RedLINK Accessories

See page 7-1 for further information on accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	78544	50022037 OUTDOOR SENSOR INTERFACE MODULE	
10	EA	70306	C7089U1006/U OUTDOOR SENSOR F/VISIONPRO	
12	EA	70307	C7189U1005/U INDOOR SENSOR F/VISIONPRO	
1	EA	78643	C7735A1000/U DISCHARGE AIR SENSOR	
12	EA	73394	REM5000R1001/U WIRELESS PORTABLE COMFORT CONTROL	
12	EA	73392	THM4000R1000/U WIRELESS ADAPTER	
12	EA	73429	THM5421R1021/U IAQ EQUIPMENT INTERFACE MODULE	
12	EA	73400	THM6000R1002/U REDLINK ENABLED INTERNET GATEWAY	
12	EA	73369	THP9045A1023/U SAVE A WIRE MODULE	

Wall Plates and Cover Plates

2	EA	73316	32003796-001/U BACK PLATE F/VISIONPRO TSTATS	
1	PKG	73329	50007297-001/U BULK PACK 12 PER PACK BACK PLATE FOR TH5110	
1	PKG	73330	50007298-001/U BULK PACK 12 PER PACK BACK PLATE FOR TH SERIES STAT	
12	EA	73425	THP2400A1019/U VISIONPRO 8000 WALL COVER PLATE	

Honeywell FocusPRO™ Thermostats and System Kits

With RedLINK Technology



FocusPro RedLINK System Kits

The wireless FocusPro thermostats are a part of Honeywell's suite of RedLINK comfort system products. This exclusive wireless technology offers comfort, convenience, and connection.

The wireless FocusPro is RedLINK enabled to work with the RedLINK Internet Gateway, Portable Comfort Control (remote control), and Wireless Outdoor Sensor.

Wireless FocusPro Thermostats

- Controls dual fuel systems when used with a Wireless Outdoor Sensor.
- Displays outdoor temperature and humidity.
- Programmable and non-programmable models
- Easily moved to a more ideal sensing location
- Easily install multi-stage equipment or zoning
- Easily install cooling retrofits when wires are not available

System Kits Include

Model No.	Thermostat	Equipment Interface Module	Return Air Sensor	Wireless Adaptor (for TrueZone/TrueSteam)	RedLINK Internet Gateway
YTH6320R1023	TH6320R1004	—	—	THM4000R1000	—
YTH6320R1114	TH6320R1005	THM5320R1000	C7735A1000	—	THM6000R1002
YTH6320R1001	TH6320R1004	THM5320R1000	C7735A1000	—	—
YTH5320R1025	TH5320R1002	—	—	THM4000R1000	—
YTH5320R1000	TH5320R1002	THM5320R1000	C7735A1000	—	—

Thermostat Specifications

Model No.	Programmability	Power Method	Stages		Switch Position		Operating Temp. Range (° F)
			Heating	Cooling	System	Fan	
TH6320R1004	5-1-1 or 5-2	Battery	2 (3 HP)	2	Heat-Off-	Auto-On	32–120
TH5320R1002	Non-Programmable	Battery	2 (3 HP)	2	Em. Heat	Auto-On	32–120

System Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	73404	YTH6320R1114/U WIRELESS FOCUSPRO AND REDLINK GATEWAY	
12	EA	73381	YTH6320R1001/U WIRELESS FOCUSPRO THERMOSTAT KIT	
12	EA	73386	YTH6320R1023/U WIRELESS ZONING ADAPTER KIT	
12	EA	73387	YTH5320R1025/U WIRELESS ZONING ADAPTER KIT	
12	EA	73383	YTH5320R1000/U WIRELESS FOCUSPRO THERMOSTAT KIT	

Thermostats

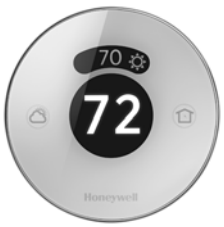
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73384	TH6320R1004/U PROGRAMMABLE WIRELESS FOCUSPRO THERMSTAT		
12	EA	73385	TH5320R1002/U NON-PROGRAMMABLE WIRELESS FOCUSPRO THERMOSTAT		

RedLINK Accessories

See page 7-1 for further information on accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	73391	C7089R1013/U WIRELESS OUTDOOR SENSOR	
1	EA	78643	C7735A1000/U DISCHARGE AIR SENSOR	
12	EA	73394	REM5000R1001/U WIRELESS PORTABLE COMFORT CONTROL	
12	EA	73392	THM4000R1000/U WIRELESS ADAPTER	
12	EA	73393	THM5320R1000/U WIRELESS EQUIPMENT INTERFACE MODULE	
12	EA	73400	THM6000R1002/U REDLINK ENABLED INTERNET GATEWAY	
12	EA	73369	THP9045A1023/U SAVE A WIRE MODULE	

Honeywell Lyric™ Round WiFi Thermostat *



- Control from anywhere by smart phone or tablet via the Lyric mobile app
- Location based temperature control uses smartphone location to adjust settings to save energy when occupants are away and to ensure comfort when occupants are present
- Fine Tune adjusts for indoor and outdoor temperature and humidity
- Smart Alerts sends owners maintenance notifications and alerts about extreme conditions
- Custom Shortcuts can be programmed for predictable life events
- 2H/2C (3 H/2C heat pump)
- 3.78" H x 3.78" W x .79" D

Features/Applications

- Adapts to unpredictable schedules
- Saves on energy costs without being programmed to a set schedule
- Works with Apple® HomeKit™ and Samsung® SmartThings™ for control of connected products ranging from lights to garage doors.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73420	TH8732WF5018/U WI-FI LYRIC THERMOSTAT		

**** Part of Honeywell's Lyric connected platform. See page 4-65 for the Lyric WiFi Water Leak and Freeze Detector.***

Honeywell Lyric™ T6 Pro WiFi Thermostats *

Simple Connectivity



- All T Series thermostats, including the Lyric T6, use the UWP mount system.
- Installers can do set-up and scheduling at the wall like a traditional thermostat or they can use the new and improved Lyric app.
- Wifi touchscreen.
- Display Size: 6.89 sq. in.
- Optional dual fuel and ventilation
- Program Options: , Geofencing, 7-day, 5-2, 5-1-1, or non-programmable.



UWP Mounting System

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73480	TH6320WF2003/U 3H-2C WIFI LYRIC T6 PRO TRADE THERMOSTAT		
12	EA	73481	TH6220WF2006/U 2H-2C WIFI LYRIC T6 PRO TRADE THERMOSTAT		
2	EA	73487	THP2400A1068/U LARGE COVER PLATE FOR T SERIES		

**** Part of Honeywell's Lyric connected platform. See page 4-65 for the Lyric WiFi Water Leak and Freeze Detector.***

Honeywell WiFi Thermostats

Honeywell's wifi thermostats connect to the homeowner's existing wireless network—no need for additional gateways or equipment. They work with the Total Connect Comfort (TCC) app, available for Android or iOS, or with the TCC web interface.

Applications

- Checking on and adjusting the operation of an HVAC system in a home or vacation home that is unattended for extended periods.
- Monitoring temperature in a rental property.



WiFi 9320 Color Touchscreen Thermostat with Voice Control

- Voice activated recognition and control of thermostat (on device only)
- Color touchscreen can be customized to display the color of choice
- Up to 3H/2C heat pump and 2H/2C conventional
- Equipment check/change reminders
- 3-1/2" H x 4-1/2" W x 7/8" D



WiFi 9320 Color Touchscreen Thermostat

- Color touchscreen can be customized to display the color of choice
- Up to 3H/2C heat pump and 2H/2C conventional
- Equipment check/change reminders
- 3-1/2" H x 4-1/2" W x 7/8" D



WiFi 8321 VisionPRO Touchscreen Thermostat

- Touchscreen display and programming
- Equipment check/change reminders
- Dual-fuel capable with wired outdoor sensor
- Up to 3H/2C heat pump and 2H/2C conventional
- 4-5/8" H x 4-15/16"W x 1-1/8" D



WiFi 6320 FocusPRO Thermostat

- Installs with the ease of standard FocusPRO models
- Simple programming and operation
- Up to 3H/2C heat pump and 2H/2C conventional
- 3-9/16" H x 5-13/16" W x 1-1/2" D

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73418	TH9320WFV6007/U WI-FI THERMOSTAT WITH VOICE CONTROL		
12	EA	73343	TH9320WF5003/U 3H 2C WIFI COLOR TOUCH SCREEN THERMOSTAT WHITE		
12	EA	73348	TH8321WF1001/U 3H 2C WIFI VISION PRO THERMOSTAT WHITE		
1	EA	73407	TH6320WF1005/U 3H 2C WIFI FOCUS PRO THERMOSTAT WHITE		

Honeywell RF Wireless Receiver Module



W8665E

W8665 RF Receivers

- W8665A can be used with 1H/1C single-zone conventional applications.
- W8665E can be used with up to three zones when used with a Honeywell Zoning Panel.
- Ideal for retrofit zoning or when current thermostat is in a poor location.
- Currents (Heating/Cooling): 1.5A run
- Electrical Ratings: 20 to 30 Vac
- Humidity Ratings: 5% RH to 95% RH, non-condensing
- Mounting: Mount near the equipment on a wall
- Power Method: Hardwired
- Dimensions: 7-5/8" W x 7-13/16" H x 1-5/8" D.

Model No.	Application	Stages		Zones	Comments
		Heating	Cooling		
W8665E 1000	Single or multistage conventional or heat pump systems.	1, 2, or 3	1, 2, or 3	1, 2, or 3	Use with EMM-3; EMM-3U; TZ-3 TotalZone Zone Control Panel. Use with T8665A Wireless Thermostat. Zone Panels control multiple stages of heat or cool.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	78702	W8665E 1000 RF RECEIVER MODULE 3H-2C, 3 ZONES	

Honeywell W8735D Telephone Access Module

The W8735D Telephone Access Module (TAM) provdies remote telephone access to the HVAC system when used with an EnviraCOM™ enabled thermostat such as the TH9421C1004 VisionPRO IAQ Total Home Comfort System, and the TH5320C1002 FocusPRO and T8635L1013 Chronotherm™ thermostat. These thermostats are used with one or more of the following controls: a W8835A EnviraZone panel, a THM5421C1008, W8835A and B Equipment Interface Modules, or W8703 Damper Interface Modules.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78547	W8735D1009/U 2 CHANNEL TELEPHONE ACCESS MODULE	
1	EA	78548	W8735D1017/U 4 CHANNEL TELEPHONE ACCESS MODULE	

Honeywell T6 Pro Thermostats





UWP Mounting System

- All T Series thermostats, including the T6 Pro use the UWP mount system.
- Push button programmable
- Display Size: 5.44 sq. in.
- 7-day, 5-2, 5-1-1, or non-programmable.

Model No.	Stages	Dual Fuel
TH6210U2001	2H/1C Heat Pump + 1H/1C Conventional	No
TH6220U2000	2H/1C Heat Pump + 2H/2C Conventional	Yes
TH6320U2008	3H/2C Heat Pump + 2H/2C Conventional	Yes

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73482	TH6320U2008/U 3H-2C PROGRAMMABLE T6 PRO THERMOSTAT - TRADE		
12	EA	73483	TH6220U2000/U 2H-2C PROGRAMMABLE T6 PRO THERMOSTAT - TRADE		
12	EA	73484	TH6210U2001/U 2H-1C PROGRAMMABLE T6 PRO THERMOSTAT - TRADE		
2	EA	73487	THP2400A1068/U LARGE COVER PLATE FOR T SERIES		

Honeywell FocusPRO™ 6000 Thermostats, 5-1-1 Programmable



- Single-stage heat pump
- Auto changeover: manual, auto or auto-only
- Compressor protection in cooling
- Compressor protection in heat pump
- Configurable to heat or cool only
- Adaptive intelligent recovery
- Series 20 compatible (power open/power close hot water zone valves.)
- Compatible with normally open and normally closed hot water zone valves
- 5-year warranty

Thermostats

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73317	TH6110D1021/U 1H-1C FOCUS PRO THERMOSTAT LARGE DISPLAY WHITE		
12	EA	73318	TH6110D1005/U 1H-1C FOCUS PRO THERMOSTAT WHITE		
12	EA	73319	TH6220D1028/U 2H-2C FOCUS PRO THERMOSTAT LARGE DISPLAY WHITE		
12	EA	73320	TH6220D1002/U 2H-2C FOCUS PRO THERMOSTAT WHITE		

Cover Plate

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	73339	50002883-001/U COVER PLATE ASSY FOR TH3000, 4000, 5000, 6000 STATS	

Honeywell FocusPRO™ 5000 Thermostats, Non-Programmable



- Single-stage heat pump
- Auto changeover: manual, auto or auto-only
- Compressor protection in cooling
- Compressor protection in heat pump
- Configurable to heat or cool only
- Adaptive intelligent recovery
- Series 20 compatible (power open/power close hot water zone valves.)
- Compatible with normally open and normally closed hot water zone valves
- 5-year warranty

Thermostats

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73312	TH5110D1006/U 1H-1C FOCUS PRO NON-PROG THERMOSTAT WHITE		
12	EA	73313	TH5110D1022/U 1H-1C FOCUS PRO NON-PROG THERMOSTAT LARGE DISPLAY WHITE		
12	EA	73321	TH5220D1029/U 2H-2C FOCUS PRO THERMOSTAT LARGE DISPLAY WHITE		
12	EA	73322	TH5220D1003/U 2H-2C FOCUS PRO THERMOSTAT WHITE		

Cover Plates and Back Plates

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	73314	50001137-001/U COVER PLATE F/FOCUS PRO	
1	PKG	73329	50007297-001/U BULK PACK 12 PER PACK BACK PLATE FOR TH5110	
1	EA	73339	50002883-001/U COVER PLATE ASSY FOR TH3000, 4000, 5000, 6000 STATS	

Honeywell PRO 4000 Thermostats

5-2 Day Programmable



- Simultaneous set and room temperature display
- Backlit display
- System and fan switch
- Heat On indication
- Cool On indication
- Millivolt compatible
- Battery powered.
- Single-stage heat pump
- Compressor protection in cooling
- Compressor protection in heating (heat pump)
- 2 year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73340	TH4110D1007/U 1H-1C FOCUS PRO THERMOSTAT BACKLIT DISPLAY WH		

Honeywell PRO 3000 Thermostat

Non-Programmable



- Simultaneous set and room temperature display
- Compressor protection in heating (heat pump)
- Compressor protection in cooling
- Heat On and Cool On indicators
- Battery Powered
- Millivolt compatible
- System and fan switch
- Single-stage heat pump
- Backlit display
- 2 year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73341	TH3110D1008/U 1H-1C FOCUS PRO THERMOSTAT BACKLIT DISPLAY WH		

Honeywell PRO 2000 Thermostat

Programmable



Simple-set programming: Easy to set heat, cool, fan and program schedule.
Adaptive intelligence recovery: Ensures that the programmed temperature is reached by the programmed time.
Energy savings: Programmed as directed can save up to 33% on annual heating and cooling costs.

TH2110D1008: 1 heat/1 cool, programmable
TH2210D1006: 2 heat/1 cool, heat pump, programmable

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73359	TH2110DV1008/U 1H-1C PRO 2000 PROGRAMMABLE		
12	EA	73361	TH2210DV1006/U 2H-1C PRO 2000 PROGRAMMABLE HP		

Honeywell PRO 1000 Thermostat

Non-Programmable



Dual-Powered: Battery and/or hardwire.
Clear, backlit digital display
2-Year warranty

TH1110DV1009: 1 heat/1 cool
TH1210DV1007: 2 heat/1 cool, heat pump,

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73358	TH1110DV1009/U 1H-1C PRO 1000 NON-PROGRAMMABLE		
12	EA	73360	TH1210DV1007/U 2H-1C PRO 1000 NON-PROGRAMMABLE HP		

Honeywell T8775A, C The Digital Round™ Thermostats

Non-Programmable, Easy-to-See Models



The T8775A and T8775C thermostats provides single-stage temperature control for 24V systems with manual changeover from heat to cool.
T8775A controls 2-wire heating-only systems.
T8775C controls gas, oil, or electric heating and cooling systems

- These Easy-to-See models have enlarged scales and raised numbers plus they click at every 2° F change.
- No batteries required. The temperature setting is held permanently in memory in the event of a power failure.
- System and fan switches on the T8775C model.
- Manual changeover from heat to cool on T8775C model.
- Selectable heating cycle rates (1, 3, 6, 9 cph) for a variety of applications.

Color: Premier White®
Terminal Designations: R, Rc, W, Y, G, O, B.
Setting Temperature Range:
40° F to 90° F in heating;
45° F to 99° F in cooling.
Ambient Temperature Range:
40° F to 110° F.
Humidity Ratings:
5% to 90% RH, non-condensing
Electrical Ratings:
24 Vac nominal: 18 Vac to 30 Vac, 60 Hz.
Heating: .02 to 1.5 A run; 3.5A inrush
Cooling: .02 to 1.5A run; 6.0A inrush
Fan: .02 to .05A run; 2.5A inrush
Switch Positions (Fan): Auto-On.
Includes: Wallplate, 4074FAB resistor, mounting hardware.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	72873	T8775A1009/U HEAT ONLY DIGITAL ROUND THERMOSTAT - WHITE		
25	EA	72874	T8775C1005/U (1013) H-C DIGITAL ROUND THERMOSTAT - WHITE		
2	EA	72876	50000066-001/U COVER PLATE T87K,N OR T8775		

Honeywell T87K, N The Round™ Non-Programmable Thermostats



The T87K and T87N thermostats provide single-stage temperature, non-programmable control for 24V systems with manual changeover from heat to cool.

T87K Heat Only works with 2 or 3 wire heat only systems.

The Easy-to-See display has enlarged scale and raised numbers—plus it clicks at every 2° F change.
Color: Premier White®
Terminal Designations for T87K: R, W, Y
Terminal Designations for T87N: R,Rc, W, Y, G, O, B

Setting Temperature Range: 40° F to 90° F
Humidity Ratings: 5 to 90% RH, non-condensing
Electrical Ratings: 18 to 30 Vac
Switch Type: Relay
Includes: 6 inch cover ring and switch position labels

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	72858	T87N1000/U 1HT 1CL THERMOSTAT		
12	EA	72859	T87N1026/U EASY TO SEE HTG/CLG THERMOSTAT		
12	EA	72860	T87K1007/U HT ONLY THERMOSTAT		
2	EA	72876	50000066-001/U COVER PLATE T87K,N OR T8775		

Honeywell T498A Electric Heating Thermostat

Line Voltage



Provides line voltage control of electric heating systems. Breaks heating circuit on temperature rise, makes on temperature fall. With temperature setting dial in extreme counter-clockwise position it provides single line break (SPST).
Includes thermometer and 6" lead wires.

Temperature Setting Range: 40 to 80° F
Fixed Differential: 3° F
Mounting: Standard 2" x 4" outlet box or 4" x 4" junction box
Dimensions: 4-9/16" H x 2-7/8" W x 1-15/16" D above mounting plate, 15/16" D below mounting plate
Electrical Rating (Resistive): 22A at 120/208/240/277 Vac
U.L. Listed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	73233	T498A1778/U THERMOSTAT		

Honeywell T812 Thermostat

Low Voltage



For low voltage control of single-stage heating, cooling or heating-cooling systems. New style snap-acting bimetal switch uses no mercury and does not require leveling.

- **Dimensions, Approximate**: 3-1/8" H x 3-1/8" W x 7/8" D
- **Accuracy**: 3° F
- **Mounting:** Square
- **Switch Type**: Snap acting
- **Sensor Element**: Bimetal
- **Color:** Premier white

Model No.	Application	Switch Position		Terminal Designations	Switching Action	Setting Temp Range	Anticipator (Heating)	Stages
		System	Fan					
T812C1000*	24 Vac heating and cooling systems	Off-Heat-Cool	Auto-On	R,W,Y,G	SPDT	50 to 90	0.18A to 1.2A @ 30 Vac	1 Heat/ 1 Cool

* Tradeline Model

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73019	T812C1000/U THERMOSTAT WHITE		

Honeywell T822 Thermostat

Low Voltage



For low voltage (24 Vac) control of heating systems. Coiled bimetal element operates dustproof, SPST switch. This thermostat mounts directly on a wall or on a standard vertical outlet box. Setting lever and thermometer scale on thermostat face. Vented cover for improved temperature sensing.

Approximate Dimensions:
4-3/4" H x 2-7/8" W x 1-3/8" D
Electrical Ratings: 0.18A to 1.0A at 30 Vac

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	73038	T822K1018/U THERMOSTAT		

Honeywell T834N and T8034N Thermostats

Low Voltage



T834N



T8034N

For low voltage control of residential single-stage heating, cooling, or heating/cooling systems.
T834N 1002: Mercury free; replaces T834C.
T8034N 1007: Mercury free; replaces T8034C.

Mounting: 2 screws through base to wall or to horizontal or vertical outlet box.
Dimensions:
T834N: 2-7/8" W x 4-3/4" H x 1-5/16" D
T8034N: 4-3/4" W x 2-7/8" H x 1-5/16" D
Electrical Ratings:
Heating: 0.18 to 1.0 A at 30 Vac max
Cooling: 1.5 A running, 7.5 A inrush at 25 Vac
Heat Anticipator: Adjustable, 0.18 to 1.0 A
Cooling Anticipator: Fixed, 24 to 30 Vac
Fan Switching: On-Auto
System Switching: Heat-Off-Cool
Mounting:
T834N: Vertical
T8034N: Horizontal

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	73039	T834N1002/U THERMOSTAT		
1	EA	73040	T8034N1007/U THERMOSTAT		

Honeywell TL8100 Hydronic Thermostat

Programmable



7-Day Programmable: Up to 4 periods per day to fit any lifestyle and help save energy.
Precise Comfort: Maintains consistent comfort to the highest level of accuracy.
Low Battery Indicator: Gives 60-day warning to replace batteries.
Installation Flexibility: Works with mV, 24V, 120VAC, and 240VAC heating systems. Rated at 5A resistive and 2A inductive load.

Pump Protection: Activates zone valves or pumps for one minute every 24 hours to prevent seizures and reduce callbacks.
Armchair Programming: Save time on the job with convenient programming by simply removing the faceplate from the base.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73364	TL8100A1008/U 7 DAY PROGRAMMABLE HYDRONIC THERMOSTAT		

White-Rodgers Sensi™ WiFi Thermostats

Programmable with Remote Access from Smartphone, Tablet or PC



1F87U-42WF

Features

- Geofencing automatically changes temperatures based on the location of the homeowner's smartphone.
- Smart alerts notify homeonwers of extreme temperatures or humidity levels.
- Contractor-on-call: Sensi app saves contractor's contact information so you're just a tap away.
- For use with conventional heating and cooling systems and heat pump, heat only, and cooling only systems
- Multi thermostat control: Easy management for schools and light commercial applications.

Specifications

- Electrical Rating: 20 to 30 VAC, 50/60 Hz 1.5 amps max. perterminal, 2.5 amps max combined.
- Setpoint Range: 50°F to 99°F
- Operating Ambient: 32°F to 105°F
- Operating Humidity: 90% non-condensing max
- Stages: 2H/2C Conventional, 4H/2C Heat Pump

1F95U-42WF Sensi Touch

- High-definition color display
- Compatible with smart home platforms Apple HomeKit, Amazon Alexa, and Wink
- Dimensions: 5.63" W x 3.38" H x 1" D
- Power Source: Hardwired (C-wire) only

1F87U-42WF Sensi

- Circulating Fan: Custom run time can be set
- Compatible with smart home platforms Apple Homekit, Amazon Alexa, Wink, and Google Assistant
- Dimensions: 5.88" W x 3.75" H x 1" D
- Powersource: Battery (power sharing) or hard-wired (C-wire) for conventional heating and cooling systems. Hard-wired (C-wire) only for heat pump systems

Thermostats

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
6	EA	75920	1F87U-42WF 1.5 SENSI WI-FI THERMOSTAT		
1	EA	75921	1F95U-42WF HD COLOR TOUCH SENSI WI-FI THERMOSTAT		

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	75850	F61-2663 6-3/4IN X 4-1/2IN WHITE WALLPLATE SENSI WI-FI	
1	EA	75922	F61-2689 6.75" X 4.50" WALL PLATE FOR 1F95U-42WF	
1	EA	75923	SA11 EMERSON COMMON WIRE KIT	

White-Rodgers 80 Series Thermostats



- Large, bright display
- Programmable models offer choice of 7 day, 5+1+1 day, or no schedule
- Dual fuel control on all staging models (no sensor required)
- Advanced features include early start, keypad lockout and temperature limits
- Easy to install with built-in level indicator and simple set-up menus

Selection Guide

Application	Universal				Heat Pump		Conventional	
Model No.	**1F85U-42PR**	**1F85U-42NP**	**1F85U-22PR**	**1F85U-22NP**	**1F85H-21PR**	**1F83H-21NP**	**1F83C-11PR**	**1F83C-11NP**
Stages	4H/2C	4H/2C	2H/2C	2H/2C	2H/1C	2H/1C	1H/1C	1H/1C
Dual Fuel	X	X	X	X	X	X		
Selectable Program	7, 5-1-1, or None		7, 5-1-1, or None		7, 5-1-1, or None		7, 5-1-1, or None	
Program Periods	4 or 2		4 or 2		4 or 2		4 or 2	
Temperature Limits	X	X	X	X	X	X	X	X
Auto Changeover	X	X	X	X				
Keypad Lockout	X	X	X	X	X*	X*	X*	X*
Early Start Recovery	X		X		X		X	
Filter Change Reminder	X		X		X		X	

* Unable to lockout System/Fan switches

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	79080	1F85U-42PR 4H/2C 5IN DISPLAY DUAL FUEL SNG STG THERMOSTAT		
1	EA	79082	1F85U-42NP 4H/2C 5IN DISPLAY DUAL FUEL UNIVERSAL SNG STG THERMOSTAT		
1	EA	79081	1F85U-22PR 7 DAY 5IN DISPLAY DUAL FUEL UNIVERSAL SNG STG THERMOSTAT		
1	EA	79083	1F85U-22NP 7 DAY 5IN DISPLAY DUAL FUEL UNIVERSAL SNG STG THERMOSTAT		
1	EA	79084	1F83H-21PR 7 DAY 4.4IN DISPLAY NP THERMOSTAT		
1	EA	79085	1F83H-21NP 4.4IN DISPLAY DUAL FUEL THERMOSTAT		
1	EA	79086	1F83C-11PR 1H/1C 4.5IN DISPLAY SNG STAGE THERMOSTAT		
1	EA	79087	1F83C-11NP 1H/1C 4.5IN DISPLAY DIGITAL THERMOSTAT		

White-Rodgers

Big Blue Touchscreen Thermostats

12 Sq. In. Display



- 7 day, 5/1/1 day programmable or non-programmable models
- Remote sensing indoor or outdoor
- Programmable fan
- Choice of battery-powered, hardwired with battery back-up, power stealing
- Circulator fan cycling
- Heat pump model includes dual-fuel feature
- Automatic daylight savings option
- Energy Star rated
- +/- 1° F
- 5-year warranty

1F95-1277

- Single-stage/multi-stage/heat pump
- 3 heat/2 cool
- Setpoint Temperature Range: 45 to 99° F
- Operating Ambient Temperature: 32 to 105° F

1F95-1291

- Single-stage/multi-stage/heat pump
- 4 heat/2 cool
- Dehumidification and humidification control
- Setpoint Temperature Range: 45 to 99° F
- Operating Ambient Temperature: 32 to 105° F

1F97-1277

- Single-stage
- 1 heat/1 cool
- Setpoint Temperature Range: 45 to 99° F
- Operating Ambient Temperature: 32 to 105° F

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75307	1F95-1277 BLUE UNIVERSAL MULTI STAGE PREMIUM THERMOSTAT		
1	EA	75346	1F97-1277 BLUE UNIVERSAL SINGLE STAGE THERMOSTAT		
1	EA	75757	F61-2600 8-1/8IN W X 5-3/8IN H WALL PLATE FOR BLUE 90 SERIES		
1	EA	75787	1F95-1291 BLUE 7 DAY MULTI-STAGE PROG THERMOSTAT W/HUMIDITY CONTROL		

White-Rodgers

Blue Easy Reader Thermostat

6 Sq. In. Display



- Large easy-to-read character size
- Universal model: single-stage, multi-stage or heat pump system
- Simple one-button, one-function operation
- Energy Star rated
- +/- 1° accuracy
- 5-year warranty

1F95EZ-0671

- Single-stage/multi-stage/heat pump
- 4 heat/2 cool stages
- Setpoint Temperature Range: 45 to 99° F
- Operating Ambient Temperature: 32 to 105° F

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75695	1F95EZ-0671 BLUE 4 HEAT/2 COOL UNIVERSAL EASY READER THERMOSTAT		
1	EA	75757	F61-2600 8-1/8IN W X 5-3/8IN H WALL PLATE FOR BLUE 90 SERIES		
1	EA	75758	F61-2634 6-1/2IN W X 5IN H WALL PLATE FOR 80&90 SERIES BLUE		

White-Rodgers Blue Thermostats

4 Sq. In. Display



- Exclusive battery power monitor
- Millivolt and hydronic zone valve compatible
- Energy Star rated
- +/- 1° F accuracy
- 5-year warranty

1F85-0477
- 2 heat/2 cool stages
- Single-stage
- Programmable

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	76234	1F85-0477 4IN BLUE 2H-2C UNIVERSAL SINGLE STG OR HEAT THERMOSTAT		
1	EA	75758	F61-2634 6-1/2IN W X 5IN H WALL PLATE FOR 80&90 SERIES BLUE		

White-Rodgers Blue Easy Set Thermostats

2 Sq. In. Display



- Non-Programmable
- 3 temperature presets—home, sleep, away
- Heat pump or single stage models
- Long battery life—uses 2 AA alkaline batteries (included)
- Battery power monitor
- Exclusive sleep timer
- 5-year warranty

1F86EZ-0251
- 1 heat/1 cool
- Single-stage

1F89EZ-0251
- 2 heat/1 cool heat pump stages

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75821	1F86EZ-0251 2IN SINGLE STAGE BLUE EASY SET THERMOSTAT		
1	EA	75825	1F89EZ-0251 2IN 2H/1C BLUE HEAT PUMP THERMOSTAT		

White-Rodgers Remote Sensors for Blue Digital Thermostats

Indoor and Outdoor Sensors for 24V Thermostats



- Digital signal ouput provides superior temperature control, even over long wire runs.
- No temperature variance caused by wire resistance.
- Perfect for securing the thermostat in one area or room while sensing temperature in the conditioned space.
- Maximum Distance from Thermostat: 300 feet
- Recommended Wire: 20 gauge, 3-conductor shielded cable
- Dimensions: 2-1/8" x 3-1/2" x 3/4"

F145-1328 Indoor Sensor
Compatible with all White-Rodgers thermostats with indoor remote sensor option.

F145-1378 OutdoorSensor
Compatible with all White-Rodgers thermostats with outdoor remote sensor option.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75501	F145-1328 COMFORT SET 90 INDOOR REMOTE SENSOR	
1	EA	75469	F145-1378 COMFORT SET 90 OUTDOOR REMOTE SENSOR	

White-Rodgers 80 Series (Classic) Thermostats



1F80-361 Programmable
- 5+1+1 programmable
- 1 heat/1 cool single-stage
- +/- 1° F accuracy
- Energy Star rated

1F82-261 Programmable
- For heat pump applications
- 5+1+1 programmable
- 2 heat/1 cool
- Energy Star rated
- +/- 1° F accuracy
- 1.8 sq. in. display

1F86-344 Non-programmable
- 1 heat/1 cool single-stage
- +/- 1° F accuracy
- Set point storage in case of power loss
- 2.2 sq. in. display

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75345	1F80-361 5+1+1 WHITE PROGRAMMABLE THERMOSTAT		
1	EA	75524	1F82-261 5+1+1 WHITE HEAT PUMP PROGRAMMABLE THERMOSTAT		
1	EA	75344	1F86 344 WHITE SET POINT NON-PROGRAMMABLE THERMOSTAT		
1	EA	75516	F61 2500 7-5/8IN X 4-3/4IN WALL PLATE FOR 80 SERIES THERMOSTAT		

White-Rodgers 70 Series (Classic) Thermostats

1.2 Sq. In. Display





- Economical upgrade from mechanical thermostats to digital accuracy
- Horizontal and vertical styles
- Programmable and non-programmable models

Programmable Models

1E78-151
- 1 heat/ 1 cool
- Vertical style

1F78-151
- 1 heat / 1 cool
- Horizontal style

Non-Programmable Models

1E78-144
- 1 heat/ 1 cool
- Vertical style

1F78-144
- 1 heat / 1 cool
- Horizontal style

1E78-140
- Heat only
- Vertical style

1F79-111
- Heat Pump Model
- 2 heat/ 1 cool
- Horizontal style

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75476	1E78-151 5+2 WHITE VERTICAL PROGRAMMABLE THERMOSTAT		
1	EA	75492	1F78-151 5+2 WHITE HORIZONTAL PROGRAMMABLE THERMOSTAT		
1	EA	75475	1E78 144 WHITE SETPOINT VERTICAL NON PROGRAMMABLE THERMOSTAT		
1	EA	75504	1F78-144 WHITE SET POINT HORIZONTAL NON PROGRAMMABLE THERMOSTAT		
1	EA	75440	1E78 140 WHITE SETPOINT VERTICAL HEAT ONLY NON-PROG THERMOSTAT		
1	EA	75799	1F79-111 2H/1C NON-PROGRAMMABLE HEAT PUMP THEROMSTAT		
1	EA	75478	F61-2510 WALL PLATE HORIZONTAL STAT F/70 SERIES		

White-Rodgers Universal Replacement Mechanical Thermostat



- Horizontal style
- Single-stage heat/cool
- 3-wire zone mounting plate included
- Enclosed contacts
- 5-year warranty
- New mercury-free mechanicals offer quick and easy replacement

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75813	1F56N-444 MERCURY FREE SINGLE STAGE UNIVERSAL SET THERMOSTAT		

SC Series Single Set Point Thermostats



These thermostats are intended for use as a temporary device to provide heating or cooling to allow dry wall to dry during construction. Can also be used as a low ambient cut-off switch.

- Hardwired, electrical rating: 24 volt AC / 2 amp maximum.
- Temperature accuracy +/- 9° F.

Type (2-Wire)	Temp (° F)	STD PKG	U/M	BERCOR NUMBER		PC-1 EACH
Cool	45	10	EA	75997	ACH045 45 DEGREE TEMP STAT COOL ONLY	
Cool	55	10	EA	75998	ACH055 55 DEGREE TEMP STAT COOL ONLY	
Heat	60	10	EA	75999	ACH060 60 DEGREE TEMP STAT HEAT ONLY	
Heat	65	10	EA	76000	ACH065 65 DEGREE TEMP STAT - HEATING ONLY	
Heat	70	10	EA	76010	ACH070 70 DEGREE TEMP STAT - HEATING ONLY	

ecobee Thermostats

ecobee3 lite and ecobee 4



ecobee3 lite



ecobee4

ecobee3 lite

Features
- Wifi thermostat
- Remote sensors optional
- Apple Home kit enabled
- Hard wired, 24V AC

Compatibility
- Gas, oil, electric, dual fuel
- 2 H/ 2C conventional
- 4H/2C heat pump
- Humidifier, dehumidifier, ventilator, HRV, or ERV

Temperature Ranges
- Set point: 44° to 92° F
- Display: 41° to 98° F
- Sensitivity: +/– 0.9° F
- Operating: 32° to 131° F

Humidity Ranges
- Display: 20% to 90% RH
- Sensitivity: +/– 5% RH
- Operating (non-condensing): 5% to 95% RH

Dimensions
- 3.5" full-color LCD display
- 4.05" L x 4.05" W x .84" D

Warranty
- 3-years

ecobee4

Features
- Wifi thermostat
- Remote sensors optional and power extender kit included
- Apple Home kit and Alexa voice service enabled
- Built-in microphones and speaker with Farfield voice recongnition and sensory Truly Hands free™ wake word engine
- Hard wired, 24V AC

Compatibility
- Gas, oil, electric, dual fuel
- 2 H/2C conventional
- 4H/2C heat pump
- Humidifier, dehumidifier, ventilator, HRV, or ERV

Temperature Ranges
- Set point: 45° to 92° F
- Display: 40° to 100° F
- Sensitivity: +/– 1° F
- Operating: 32° to 130° F

Humidity Ranges
- Display: 20% to 90% RH
- Sensitivity: +/– 5% RH
- Operating (non-condensing): 5% to 95% RH

Dimensions
- 3.5" full-color LCD display
- 4.29" L x 4.29" W x 1.03" D

Warranty
5-years (with professional installation only)

Remote Sensors

Pair with an ecobee thermostat to read temperature and occupancy, to manage hot and cold spots, and to adjust the thermostat for energy savings when the home is unoccupied. Use the mobile app to read and change settings.

Power Extender Kit

For use with HVAC configurations that do not have a common wire (C-wire)or where the C-wire is not run to the thermostat.

ecobee3 Lite and Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	79103	EB-STATE3LTP-02 ECOBEE3 LITE PRO THERMOSTAT		
1	EA	79101	EB-RSE3PK2-01 ECOBEE3 REMOTE SENSOR 2 PACK		
1	EA	79102	EB-PEK-01 ECOBEE3 SMART SI POWER EXTENDER KIT		

ecobee4

1	EA	79104	EB-STATE4P-01 ECOBEE4 WITH FREE REMOTE SENSOR/AMAZON ECHO THERMOSTAT		

8900 Series WiFi Programmable Thermostats

IAQ Control



- WiFi with Smart IAQ
- Event-Based™ air cleaning
- 7-day programmable
- Universal 3H/3C or 4H/2C HP
- 3-wire design
- Dual fuel operation
- Outdoor air temperature sensor included
- Service reminders for humidifier, air cleaners, and dehumidifier

8910W
- 4.85" H x 6" W x 1.25" D
- 10.3 sq. in. touchscreen

8920W
- 4.4" H x 7.1" W x 1" D
- 20.4 sq. in. touchscreen

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	70086	8910W 3H-3C OR 4H-2C HP HOME COMFORT WITH WIFI THERMOSTAT	
1	EA	70088	8920W UNIVERSAL WIFI 3H-3C 4H-2C HP PROGRAMMABLE THERMOSTAT	

8600 Series WiFi Programmable Thermostats

Universal



- Programmable Fan and Circulate Fan modes
- Universal 2H/2C or 4H/2C HP
- Outdoor air temperature sensor included
- Service reminders for water panel, air filter, and dehumidifier
- Event-Based™ air cleaning
- Built-in dual fuel kit
- 7-day programmable
- 4-15/16" H x 6" W x 1-15/16" D
- 10.3 sq. in. touch screen

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70085	8620W 2H-2C OR 4H-2C HP UNIVERSAL WIFI TOUCH SCREEN THERMOSTAT	

8400 Series WiFi Programmable Thermostats



- Circulate Fan mode
- 7-day programmable
- Universal 2H/2C or 4H/2C HP
- Service reminders for water panel, air filter, and dehumidifier
- Event-Based™ air cleaning
- Built-in dual fuel control
- Large backlit display
- 4.5" H x 5.25" W x 1" D

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70087	8476W UNIVERSAL WIFI PROGRAMMABLE THERMOSTAT W/EVENT BASE	

8052 Outdoor/Duct Sensor

For Use with 8910 and 8620 Thermostats



- For both residential and light commercial applications.
- Designed for outdoor or duct installations.
- For use with 8800, 8600, 8620, and 8910 thermostats.
- Probe: 1/4" Dia. x 1-3/4" L
- Bracket: 3/4" x 3/4"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	41524	8052 DUCT OR OUTDOOR MOUNT TEMPERATURE SENSOR	

8400 Series ProgrammableThermostats



- 4.5 sq. in. LCD screen
- Built-in dual fuel control
- Circulate Fan mode
- Dual powered (hardwire or battery)
- Service reminders for water panel, air filter, and dehumidifier
- 4.5" H x 5.25" W x 1" D
- 5/1/1 or 5/2 day programmable

8463
- 1H/1C

8476
- Universal 2H/2C or 4H/2C HP
- Event-Based™ air cleaning

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70077	8463 1H/1C PROGRAMMABLE DUAL POWERED THERMOSTAT	
10	EA	70073	8476 UNIVERSAL PROGRAMMABLE THERMOSTAT W/EVENT BASED AIR CLEANING	

8400 Series Non-ProgrammableThermostats



- 4.5 sq. in. LCD screen
- Built-in dual fuel control
- Circulate Fan mode
- Dual powered (hardwire or battery)
- Service reminders for water panel, air filter, and dehumidifier
- 4.5" H x 5.25" W x 1" D

8444
- 1H/1C

8446
- 2H/1C HP

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70075	8444 1H/1C NON-PROGRAMMABLE DUAL POWERED THERMOSTAT	
10	EA	70076	8446 2H/1C NON-PROGRAMMABLE HEAT PUMP DUAL POWERED THERMOSTAT	

Honeywell T451A and T651A Light Duty Line Voltage Thermostats



Controls line voltage valves, motors, contactors, electric heat elements, duct furnaces, and fan coil units in heating/cooling systems. Mounts on standard vertical or horizontal outlet box. Automatic cooling and heating anticipation.

Approximate Dimensions:
4-1/2" H x 2-15/16" W x 1-13/16" D

Fixed Differential: 2° F

U.L. Listed

Model No.	Application	Temp. Range (°F)	Switch Action on Temp. Rise	Includes
T451A 3005	Heating	44 to 86	SPST Breaks on rise.	Thermometer, range stops and locking cover screws, high accuracy Dual Diaphragm sensor.
T651A 3018*	Heating and Cooling	44 to 86	SPDT Breaks heating and makes cooling.	Thermometer, range stops and locking cover screws, wall plate, horizontal scaleplate with no thermometer, high accuracy Dual Diaphragm sensor

* Super Tradeline Model.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	72937	T451A3005/U THERMOSTAT LINE VOLTAGE		
10	EA	72993	T651A3018/U THERMOSTAT LINE VOLTAGE		

Honeywell T631A and C Farm Controllers



Provide line voltage control of heating, cooling, and ventilating systems in farm buildings or storage areas. Use in barns, poultry houses, hog barns, pump houses, milk houses, and crop storage houses. Treated to resist corrosion. Slots in front and bottom of case provide maximum air circulation over the coiled sensing element.

SPDT snap switches permanently sealed against corrosion. Easy mounting using screws through holes in back of case.

Dimensions:
4-15/16" H x 6-1/16" W x 2-7/8" D.

Sensing Element: Coiled copper tube,
U.L. Listed.

Electrical Ratings (Amperes): T631A

T631A	SPDT Snap Switch		SPDT 1 HP Switch	
	120 Vac	240 Vac	120 Vac	240 Vac
Full Load	7.4	3.7	16.0	8.0
Locked Rotor	44.4	22.2	96.0	40.0

Electrical Ratings (Amperes): T631C

T631C	SPDT Snap Switch				SPDT 1 HP Switch			
					R-W		R-B	
	24 Vac	120 Vac	240 Vac	277 Vac	120 Vac	240 Vac	120 Vac	240 Vac
Full Load	2	7.4	3.7	3	16	8	8	5.1
Locked Rotor	—	44.4	22.2	18	80	40	48	30.6
Resistive Load	—	10	5	—	—	—	—	—

Model No.	Range °F	Switching	Fixed Differential Per Switch °F	Max. Ambient Temp. °F	Color
T631A 1006	35 to 100	SPDT Snap Switch	2	120	Red
T631A 1030	0 to 70	SPDT Snap Switch	3	125	Red
T631C 1012	20 to 90	1 HP SPDT Snap Switch	3	125	Gray
T631C 1020	70 to 140	SPDT Snap Switch	2	150	Gray
T631C 1103*	-30 to +100	1 HP SPDT Snap Switch	5	125	Gray

* Tradeline Model

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	72975	T631A1006/U FARM-O-STAT	
4	EA	72976	T631A1030/U FARM-O-STAT	
4	EA	72979	T631C1012/U AIRSWITCH	
4	EA	72981	T631C1103/U AIRSWITCH	
4	EA	72982	T631C1020/U AIRSWITCH	

Honeywell T921A and G Proportioning Thermostats



3-wire low voltage controllers for valve motors, damper motors, and blancing relays in heating or cooling system applications. Bellows element adjusts the potentiometer's slider to regulate motor operation. Removable setting knob prevents unauthorized tampering with set point.
U.L. Listed.

Model No.	Approximate Dimensions (In)	Temp Range ° F	Accessory Faceplate Adapter for Mounting Horizontally	Throttling Range ° F
T921A 1191*	5-11/16 H x 3-3/8 W x 2-1/4 D	56-84	135135A	2.5
T921G 1005		56-84	135135A	5.0

* Tradeline model includes slotted sides and an add-on faceplate to allow thermostat to be mounted horizontally.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	73139	T921A1191/U THERMOSTAT	
4	EA	72899	T921G1005/U THERMOSTAT	

Honeywell T6051 Heavy Duty Line Voltage Thermostat



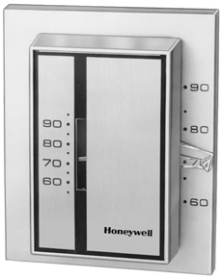
For heating/cooling applications with resistive rating for electric heat applications. Control fan coils, fans, motor starters, valves, contactors, and circulator motors in heating and/or cooling systems. Provides good univoltage comfort control. Add Q651A or B Subbases to provide system and fan switching at the thermostat location. The set point knob is removable to lock set point and prevent tampering. With locking cover.
U.L. Listed.

Model No.	Approximate Dimensions (In)	Switching	Mounting	Temp. Differential ° F	Temp. Range ° F
T6051A 1016*	5 H x 3-1/8 W x 1-5/8 D	SPDT	Vertical	1.0	46 to 84

* Tradeline Model, replaces formerly available T4051 models.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73188	T6051A1016/U THERMOSTAT		

Honeywell T7047 Wall Mount Remote Bulb Enclosure



Use with 194950B sensor supplied with W9076A and T775.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	73213	T7047C 1090 REMOTE TEMPERATUR SENSOR CASE ONLY	

Honeywell T7067 B Transmitter



T7067B Transmitter control space temperature when used with W973 Logic Panel. Separate heat and cool adjustable set point levers provide adjustable deadband for 3 to 30° F. Separate 1-16Vdc voltage ramps provide independent heating and cooling signals to W973 Singlezone Logic Panel. C7046A Discharge Air Sensor provides anticipation. One T7067 can control up to 6 parallel W973 panels. Mounts on standard 2" x 4" vertical outlet box or on a non-conductive flat surface.
Ambient Temperature Range: -40 to + 150° F.
Set Point Adjustment Range: 55 to 85° F.
Approximate Dimensions:
4-5/8" H x 2-3/16" W x 1-1/4" D.
Electrical Ratings: Voltage 20 Vdc from W973 panel; Current Draw 20 mA.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	73217	T7067B1006/U TRANSMITTER	

Honeywell T7200 Programmable Commercial Thermostat



Used for single zone heating, ventilating and air conditioning (HVAC) equipment. T7200 has seven-day programming with two occupied and two unoccupied periods per day. Individual set points for occupied heat and cool, and unoccupied heat and cool. Directly replaces most single-stage thermostats.

Proportional plus integral control eliminates temperature fluctuations. 1 heat, 1 cool, or 1 compressor stage, non-switching, auto changeover thermostat.
Operating Temp. Range: 40 to 110° F.
Set Point Temp. Range: 45 to 95° F.
Includes: Integral sensor and wall plate.

Timing Between Stages	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2 Min. On/Off	10	EA	73193	T7200D 2008 COMMERCIAL THERMOSTAT	

Honeywell Bracket for W859D Economizer Control Packages

STP PKG	BERCOR NUMBER	U/M	DESCRIPTION	PC-1 EACH
2	74624	EA	203977A/U BRACKET	

Honeywell T874 Multistage Thermostat



Provide low voltage control of multistage heating, cooling, and heating/cooling systems including heat pumps systems. Q674 thermostat subbase required to provide wiring terminals, mounting base, and system and fan switching. Coiled bimetal elements operate dust-free mercury switches. External levers scale for temperature setting on top of thermometer case.

Electrical Rating: 24 to 27 Vac.
Temperature Scale Range: 42 to 88° F.
Changeover Differential: 4° F minimum between heating and cooling.
Approximate Dimensions (including Q674 subbase): 3-9/16" H x 5-5/8" W x 2-3/16" D.
NOTE: Q674B is for electric heat applicatioins.

Model No.	System Stages		Anticipator Ranges			
			Heating (adj)		Cooling (fixed)	
	Heat	Cool	Stage 1	Stage 2	Stage 1	Stage 2
T874A 1036*	1	1	0.1 to 1.2	—	0 to 1.5	—

* Includes locking cover with thermometer and field-adjustable locking levers.

Timing Between Stages	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Heat-Off-Cool	20	EA	73085	T874A 1036 THERMOSTAT	

*Q674B for Electric Heat Applications.

**Auto fan on both Heat and Cool.

Honeywell TB6575A SuitePRO™ Digital Fan Coil Thermostat



SuitePro™ Series

The SuitePRO™ series of digital fan coil thermostats are for residential and commercial applications. Owners and managers of hotels, dorms, classrooms and retirement facilities can use the SuitePRO™ to keep their customers comfortable while controlling heating and cooling costs. The SuitePRO™ provides multiple options for controlling temperature setback choices and a variety of other energy-saving features.

TB6575A1000

- 2-pipe or 4-pipe applications
- Manual or automatic heat/cool changeover
- Dimensions: 3-13/16" H x 5-13/16" W x 1-1/8" D
- Electrical Ratings: 120/240 Vac
- Frequency: 50/60 Hz
- Operating Humidity Range: 5 to 95% RH, non-condensing
- Setting Temperature Range: 50° F to 90° F

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	73021	TB6575A1000/U LINE VOLTAGE FAN COIL THERMOSTAT	
12	EA	73023	50033847-001/U ADAPTER PLATE FOR FAN COIL THERMOSTAT	

Honeywell LineVoltPRO™ 7000 Thermostat

Digital, Non-Programmable, Electric Heat



Honeywell's LineVoltPRO™ 7000 delivers the features that matter most in a non-programmable thermostat: precise comfort control, an easy to read backlit display, and a contemporary design to fit your lifestyle.

- Heating indicator at-a-glance confirmation that the heat is on.
- On-demand backlight is easy to read in various lighting conditions.
- Electronic temperature control with ± 1° F precision saves up to 10%* on heating bill.
- 5-year limited warranty.
- Maintenance free, no batteries required.
- Electrical ratings: 3120W @ 208V 15.0A; 3600W @ 240V 15.0A.
- Switching action: 4 wires / DPST.
- On/Off switch.
- 1° F drop control.

* If used as directed, electronic thermostats can save up to 10% on annual heating costs. Savings may vary based on geographic region and usage.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73327	TL7235A1003/U LINE VOLT PRO ELECTRIC HEAT THERMOSTAT WHITE		

Honeywell LineVoltPRO™ 8000 Thermostat

7-Day Programmable, Electric Heat



Honeywell's LineVoltPRO™ 8000 is one of the most advanced thermostats for electric heating on the market. It features precise comfort control, a sophisticated design and high-end programming features. Begin lowering your heating bill immediately with the pre-programmed 7-day schedule, or modify the programming to suit your lifestyle. With LineVoltPRO 8000, you'll see substantial savings and feel consistently comfortable.

- Heating indicator provides at-a-glance confirmation that heat is on.
- On-demand backlight makes it easy to read in various lighting conditions.
- Electronic temperature control with ± 1° F precisions.
- Early start feature ensures programmed temperature is reached by programmed time.
- 5-year limited warranty.
- Pre-Set 7 Day Program: maintain the pre-set program schedule for up to 15%* energy savings, or modify the schedule to fit your lifestyle.
- On/Off switch.

* If used as directed, electronic thermostats can save up to 15% on annual heating costs. Savings may vary based on geographic region and usage.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73328	TL8230A1003/U LINE VOLT PRO 7 DAY PROG ELECTRIC HEAT THERMOSTAT WHITE		

Honeywell T7350 Commercial Programmable Thermostat

For single- or multi-stage conventional/heat pump systems



- Remote sensor capability for temperature (including outdoor air and discharge air) and humidity sensors.
- Auxiliary subbase contact typically interface with a Honeywell Economizer System (for total rooftop control integration) or act as dehumidification output.
- 7-day programming
- For single zone rooftop units, split systems, heat pumps or hot/chilled water systems.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	73160	T7350H1009/U COMMUNICATION THERMOSTAT 3 HEAT 3 COOL OR 2 HEAT 4 COOL	
12	EA	73161	T7350H 1017 COMMUNICATION THEROMSTAT MODULATING HEAT/COOL	

JOHNSON CONTROLS T26S Line Voltage Wall Thermostat

Heating and Cooling



For control of residential, commercial, or industrial heating or year-round air conditioning. Heat or cold anticipators not required. Liquid charged temperature sensing element and highly efficient diaphragm and leverage assures close control of temperature.

Old Model No.	New Model No.	Application	Selector Switch	Range °F	Diff. (Approx.) °F	
					Heating	Cooling
825, 826	T26S18	SPDT, Heating & Cooling	None	40 to 90	1-3/4	1-1/4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75462	T26S-18C SPST THERMOSTAT	

White-Rodgers Blue™ Commercial

6 Sq. In. Display



Blue™ Commercial Features

- Pre-occupancy purge and/or programmable fan
- Economizer/damper control output
- Remote sensing indoor and at the thermostat
- Keypad lockout-total or partial
- Programmable (7 day, 5/1/1 day) or non-programmable
- Hardwired or battery powered with optional power stealing assist

1F95-0680

- Universal application
- 4 heat/2 cool stages
- 6-square-inch display
- Lock feature secures thermostat to subbase, reduces tampering
- Dual fuel with outdoor sensor (F145-1378)
- 5-year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75814	1F95-0680 BLUE MULTI-STAGE COMM PROGRAMMABLE THERMOSTAT		

White-Rodgers 151 and 152 Line Voltage Thermostats



Ideally suited for accurate, dependable control of line voltage devices such as air conditioners, unit coolers, display cases, walk-in boxes, room coolers, and numerous similar applications.

For control of most line voltage heating applications without use of relays or motor starters. Finish is semi-gloss grey with chrome trim.

Case Dimensions: 6" H x 2-3/4" W x 2-1/2" D.

Type	Range °F	Diff. °F	Switch Action	Full Elec. Rating	Motor Rating (Full Load)	
					120 Vac	240 Vac
151-6	55 to 95	Fixed 2	Close on Rise	FGH	16A	8.0A
152-9*	55 to 85	Fixed 2	Open on Rise	FG	14A	7.0A
179-1	55 to 95	Fixed 3	SPDT Open & Close on Rise	SPDT	7.4A	3.7A

* Heater Rating: 120 Vac 25A; 240 Vac 22A.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75534	179-1 LINE VOLT THERMOSTAT	
1	EA	75535	151-6 LINE VOLT THERMOSTAT	
1	EA	75536	152-9 LINE VOLT THERMOSTAT	

ecobee EMS Si Thermostat



EMS

Features
- Wifi thermostat
- Hardwired, 24V AC
- 365 day scheduling

Installer Programmable Options Include
- Heat and cool differential temperature
- Minimum compressor off time
- Display temperature offset
- Outdoor temperature detection (requires internet connection)
- Reminders and alerts on screen or via email

Compatibility
- Gas, oil, electric, dual fuel
- 2 H/2C conventional
- 3H/2C heat pump (includes 1-stage auxiliary heat)

Temperature Ranges
- Set Point: 45° to 92° F
- Display: 40° to 100° F
- Sensitivity: +/– 1° F
- Operating: 32° to 130° F

Humidity Ranges
- Display: 20% to 90% RH
- Sensitivity: +/– 5% RH
- Operating (non-condensing): 5% to 95% RH

Dimensions
- 2.5" full-color LCD display
- 3.25" H x 5.5" W x 1" D

Warranty
- 3-years

STD PKG	U/M	BERCOR NUMBER		PC-1 EACH
1	EA	79105	EB-EMSSI-01 ECOBEE EMS SI THERMOSTAT	

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Accustat Independence Series Thermostats

Mercury Free



- Precise temperature control using Independence preset plug-in setpoints (ordered separately)
- Tamper resistant locking case
- For use with low voltage single stage, multi-stage, and heta pump systems
- Ideal for commercial applications, such as warehouses and fast food restaurants, or residential applications, such as condominiums or other managed properties
- Specifications:
  Input Voltage: 20-32 VAC
  Load Rating: 1 amp max per circuit
  Sensing: Preset plug-in setpoints (sold separately)
  Dimensions: 4.6"W x 4.6"H x 1.5"D

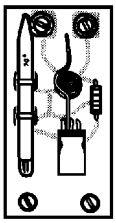
Independence Accustats

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76067	ESA-1 COOLING ONLY SINGLE STAGE L/VOLT ACCUSTAT W/O MERCURY	
1	EA	76068	ESAH-11 HT & CL SINGLE STAGE L/VOLTAGE ACCUSTAT W/O MERCURY	
1	EA	76069	ESH-1 HEATING ONLY SINGLE ST LOW VOLT ACCUSTAT W/O MERCURY	

Pre-Set Plug-In Set Points

1	EA	76070	T-40 PRESET 40 MERCURY FREE DEG F SENSOR	
1	EA	76071	T-50 PRESET 50 MERCURY FREE DEG F SENSOR	
1	EA	76072	T-55 PRESET 55 MERCURY FREE DEG F SENSOR	
1	EA	76073	T-60 PRESET 60 MERCURY FREE DEG F SENSOR	
1	EA	76074	T-62 PRESET 62 MERCURY FREE DEG F SENSOR	
1	EA	76075	T-64 PRESET 64 MERCURY FREE DEG F SENSOR	
1	EA	76076	T-65 PRESET 65 MERCURY FREE DEG F SENSOR	
1	EA	76077	T-66 PRESET 66 MERCURY FREE DEG F SENSOR	
1	EA	76078	T-68 PRESET 68 MERCURY FREE DEG F SENSOR	
1	EA	76079	T-70 PRESET 70 MERCURY FREE DEG F SENSOR	
1	EA	76080	T-72 PRESET 72 MERCURY FREE DEG F SENSOR	
1	EA	76081	T-74 PRESET 74 MERCURY FREE DEG F SENSOR	
1	EA	76082	T-75 PRESET 75 MERCURY FREE DEG F SENSOR	
1	EA	76083	T-76 PRESET 76 MERCURY FREE DEG F SENSOR	

LIM-H1 Duct Mount Limiter



The limiter is used to limit maximum heating and minimum cooling temperatures to set points selected by management. Limiters prevent energy-wasting temperature settings and eliminate the effects of tampering with the primary control. Heating models with one sensor.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76063	LIM-H1 HT ONLY DUCT MOUNT LIMITER	

LMS Multi-Stage Accustat Thermostats



Multi-stage thermostats provide setpoint control of multi-stage heating, cooling, or combined heating/cooling systems.

Model No.	Type	No. of Sensors Required	No. of Stages	2-Position Switch Auto/On	2-Position Switch Off/On	3-Position Switch Heat/Off/Cool
LMS-A2	Cooling	2	2 Cooling	x	x	
LMS-AH11	Heating/Cooling	2	1 Cooling/1 Heating	x	x	x
LMS-AH22	Heating/Cooling	4	2 Cooling/2 Heating	x	x	x

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76041	LMS-A2 2CL MULTI STAGE L/VOLTAGE ACCUSTAT	
1	EA	76043	LMS-AH11 HT/CL SINGLE STAGE L/VOLTAGE ACCUSTAT	
1	EA	76046	LMS-AH22 2CL/2HT MULTI-STAGE L/VOLTAGE ACCUSTAT	
1	EA	83153	PAD-300 -50/300F DIGITAL POCKET THERM	

Honeywell TG511A and TG512A Versaguard™ Thermostat Guards

Universal



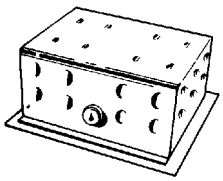
Enclose and protect wall thermostats against tampering, damage, and unauthorized adjustment of thermostat settings. Thermostat guards are designed to cover a wide variety of thermostats. Clear acrylic covers allow display of temperature and settings.

Tamper-resistant lock; key cannot be removed without being in locked position. All models mount vertically or horizontally on wall or on exposed junction box. Vents in guard base allow airflow for optimum thermostat performance.

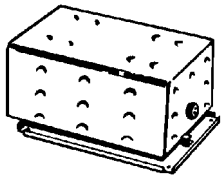
Model No.	Size	Cover	Base	Wallplate	Inside Dimensions (In.)			Outside Dimensions (In.)		
					Height	Width	Depth	Height	Width	Depth
TG511A 1000	Medium	Clear	Clear	Opaque	5-1/16	6-1/16	2-5/8	6-1/2	7-1/2	2-15/16
TG512A 1009	Large	Clear	Clear	Opaque	5-7/8	8-3/8	3	7-1/4	9-3/4	3-3/8

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	73290	TG511A1000/U 5X6 ID CLEAR THERMOSTAT GUARD		
10	EA	73291	TG512A1009/U 6X8 1/2 ID CLEAR THERMOSTAT GUARD		

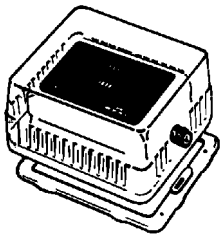
White-Rodgers Thermostat Guards



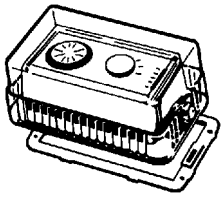
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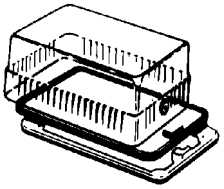
F29-0220



F29-0227



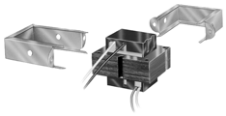
F29-0143



F29-0198

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75771	F29-0192 6-1/4IN H X 4/34IN W X 3IN D THERMOSTAT GUARD-METAL	
1	EA	75766	F29-0220 7-1/8IN H X 4-5/8IN W X 3-1/4IN THERMOSTAT GUARD-METAL	
1	EA	75768	F29-0227 5-1/4IN H X 4-5/8IN W X 3IN D THERMOSTAT GUARD-CLEAR	
1	EA	75770	F29-0143 6-3/8IN H X 3-1/2IN W X 3IN D THERMOSTAT GUARD-CLEAR	
1	EA	75767	F29-0198 8-1/4IN H X 5-3/8IN W X 3-1/2IN THERMOSTAT GUARD-CLEAR	

Honeywell AT20A and AT40A Universal Stripped-Down Transformers



Channel frame mounting feet and slots allow for the 3 mounting positions: direct, horizonal, or vertical. Nine inch color coded primary and secondary leads. Transformers should be mounted within proper encosure.
Approximate Overall Dimensions: 2-3/32" H x 2-5/8" W x 2-3/16" D.

Model No.	Primary Voltage/ Frequency	Secondary Voltage (Open Circuit)	Output (100 Percent Power Factory)
AT20A 1123	120V, 50/60 Hz	26.5	20 VA
AT40A 1121	120V, 50/60 Hz	26.5	40 VA

T20A Marked: NEMA Type B.
AT40A Marked: NEMA Type D.
Meets NEMA DC20-1992.
U.L. Component Recognized.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	70108	AT20A1123/U TRANSFORMER 120V 20VA		
10	EA	70110	AT40A1121/U TRANSFORMER 120V 40VA		

Honeywell AT72D Standard Transformers



This 24 volt control circuit step-down transfomer is designed to operate any 24V control system including thermostats, gas valves and relays. Overload protection provided. Color-coded leadwire connections.

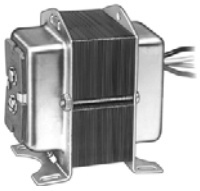
Output (100 percent power factors): 40 VA
Meets: NEC Class 2 Not Wet and Class 3 Wet
Marked: NEMA Type D
NEMA Standard DC20-1992
U.L. 1585

Model No.	Primary		Secondary		Mounting
	Voltage 50/60 Hz	Connections	Voltage (Open Circuit)	Connections	
AT72D1048	120	9 Leadwires	26.5	32" Lead Wires 1/2" Conduit Hub	4" x 4" Plate Mounted
AT72D1683*	120	9 Leadwires	26.5	2 Screw Terminals	Can be foot-mounted; plate mounted on 4" x 4", 4" octagon, or 2" x 4" electrical boxes (transformer all above plate or 3/4" above plate); or clamp mounted via a junction box knockout.
AT72D1691*	208/240	9 Leadwires	26.5	2 Screw Terminals	

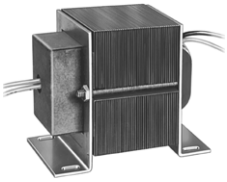
*Super Tradeline model

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	70117	AT72D1048/U TRANSFORMER 120V 40VA		
20	EA	70130	AT72D1683/U TRANSFORMER 120V 40VA		
20	EA	70131	AT72D1691/U TRANSFORMER 240V 40VA		

Honeywell AT87A and AT88A Transformers



AT87A



AT88A

Used primarily for powering 24 volt air conditioning circuits. Can also be used in other applications that do not exceed the listed ratings. AT87A meets NEMA Standard DC20-1992.
U.L. Component Recognized (except AT87A 1106 which is U.L. general listed).
Overload protection provided. Lead wires for primary connections are color-coded as follows.
120V: White
208V: Red
240V: Orange
277V: Brown
480V: Black/Red
Common: Black

Model No.	Primary		Secondary		Output (100% Power Factor)	Mounting	Overload Protection
	Voltage 50/60 Hz.	Connections	Voltage (Open Circuit)	Connections			
AT87A 1106*	120/208/240	13" Leads	28.0	2 Screw Terminals	50 VA	Foot-mounted or 4"x 4"plate	Built-in Protection
AT87A 1155	480	12" Leads	26.5	12" Leads	48 VA	Foot-mounted	Energy Limiting
AT87A 1189	277	12" Leads	26.5	12" Leads	48 VA	Foot-mounted	Energy Limiting
AT88A 1005	120	12" Leads	26.5	12" Leads	75 VA	Foot-mounted	Internally Fused Secondary
AT88A 1047	480	12" Leads	26.5	12" Leads	75VA	Foot-mounted	—

* Super Tradeline model.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	70160	AT87A1155/U TRANSFORMER 480V 48VA		
10	EA	70161	AT88A1047/U TRANSFORMER 480V 75VA		
10	EA	70162	AT87A1189/U TRANSFORMER 277V 48VA		
10	EA	70163	AT87A1106/U TRANS 120/208/240V 50VA		
10	EA	70164	AT88A1005/U TRANSFORMER 120V 75VA		

Honeywell AT140 and AT175 General Purpose Transformers



Provide power to 24 Vac circuits in heating/cooling control systems. Intended for use in systems with predictable, uniform loads. Can be used in any application that does not exceed the listed ratings.
A Models U.L. Listed
B Model U.L. Component Recognized.

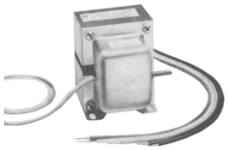
Model No.	Primary		Secondary		Output (100% Power Factor)	Mounting
	Voltage 50/60 Hz.	Connections	Voltage (Open Circuit)	Connections		
AT140A 1018	120/208/240	9" Leadwires	27.0	Screw Terminals	40VA	Foot mounted, plate mounted on 2" x 4" or 4" x 4" outlet box, clamp-mounted using outlet box knocked or panel mounted.
AT140A 1000	120	9" Leadwires				
AT140B 1206	120	9" Leadwires		9" Leadwires		
AT175A 1008	120/208/240	9" Leadwires	27.5	Screw Terminals	75 VA	

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	70152	AT175A1008/U TRANS 120/208/240V 75VA		
20	EA	70155	AT140A1000/U TRANSFORMER 120V 40VA		
20	EA	70156	AT140A1018/U TRANS 120/208/240V 40VA		
20	EA	70157	AT140B1206/U TRANSFORMER 120V 40VA		

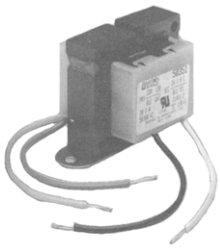
Transformers



50321 Manual Reset Style
- Low heat rise.
- Color coded leads.
- Foot-mount.
- NEMA Class II.
- U.L. 1585 recognized.



50304 End Bell Type
- Low heat rise.
- Primary color coded leads, secondary color coded leads, or screw terminals.
- Multimount style.
- NEMA Class II.
- U.L. 1585 recognized.



50354 Compact Open Construction
- Low heat rise.
- Primary color coded leads.
- Secondary color coded leads, or 1/4" male quick connects.
- Foot-mount.
- NEMA Class II.
- UL 1585 recognized.

Mars No.	VA Rating	Primary			Secondary	
		Voltage	Hz.	Connections	Voltage	Connections
50321	75	120/208/240/480	50/60	Color Coded Leads	24	Color Coded Leads
50304	40	120/208/240	50/60	Color Coded Leads	24	Color Coded Leads
50354	40	120/208/240	60	Color Coded Leads	24	Color Coded Leads

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77174	50321 120/208/240/480-24V 75VA TRANS	
1	EA	77175	50304 120/208/240-24V 40VA TRANS	
1	EA	77176	50354 40VA 120/208/240 24V FOOT MOUNT TRANSFORMER	

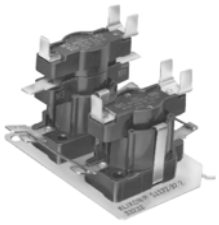
Replacement Coil for Electric Heat



Wattage at 240V: 5000; Wattage at 208V: 3750
Stretched Length: Min. 44.62", Max. 127.48"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94913	34601 5KW RESTRING KIT	

Series 332 Electric Heat Sequencer



- Solid State dependability.
- Replaces Honeywell and White-Rodgers.
- Ambient rated from 20° F to 160° F.
- Used on both separate blower and element and combination blower and element systems.
- Total 24 Volt control.

Contact Ratings

VAC	Amps	FLA	LRA	Duty VA
120	30	23	84	672
240	30	23	60	960
277	23	23	42	775
480	12.5	5	10	400

Model No.	No. of Switches	Switch Sequence		Switch Timing: Min. - Max. in Seconds							
		First On Last Off	Last On First Off	Switch No.1 (Terminals) (M1/M2)		Switch No.2 (Terminals) (M3/M4)		Switch No.3 (Terminals) (M5/M6)		Switch No.4 (Terminals) (M7/M8)	
				On	Off	On	Off	On	Off	On	Off
33233	4	No. 1, No. 2	No. 3, No. 4	1-24	45-75	1-24	45-75	30-70	1-40	30-70	1-40
R24DB	4	No. 2, No. 2	No. 3, No. 4	1-110	110	1-110	110	110	1-110	110	1-110

* Auxiliary switch has same electrical rating as main switches.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94467	33233 ELECTRIC HEAT SEQUENCER B1256554	
20	EA	72136	R24DB4005/U ELECTRIC HEAT SEQUENCER	

White-Rodgers Electric Heat Sequencers



24A34-3

Direct replacement for most fan/heat sequencing functions. Terminal markings are equivalent to competitive types.

- 24V input control
- Multi-poise mounting
- Any contacts (except M1 and M2) can be used as auxiliary contacts.
- Double quick-connect terminals for combination loads.
- Ambient temperature rating: -50° to +165° F
- UL component recognized



24A34-5

VAC	Resistive (Non-Inductive)		Motor Ratings (Inductive)		Pilot
	Watts	Amps	Full Load Amps	Locked Rotor Amps	Duty
120	3000	25.0	14.0	72.0	125VA
240	6000	25.0	7.0	42.0	125 VA
480	6000	12.5	–	–	480 VA

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75846	24A34-3 2 SWITCH ELECTRIC HEAT SEQUENCER	
1	EA	75847	24A34-4 2 SWITCH ELECTRIC HEAT SEQUENCER	
1	EA	75848	24A34-5 3 SWITCH ELECTRIC HEAT SEQUENCER	
1	EA	75849	24A34-6 4 SWITCH ELECTRIC HEAT SEQUENCER	

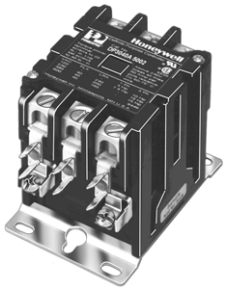
CAM-STAT® TC-4000 Series Temperature Controls



These temperature sensitive thermal cutouts offer a complete range of replacements for electric resistance heaters. The TC-4000 series is for use "in-line" mounting.
Nominal Electric Rating: 15 amp with air flow.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	75616	STC4300/TC-4300 300F/149C THERMAL CUT OUT	
5	EA	75617	STC4333/TC-4333 333F/167C THERMAL CUT OUT	

Honeywell DP Series Deluxe Power Pro Contactors



Deluxe PowerPro™ meets ARI-780 Standard at stated ratings (500,000 cycle mechanical life, 200,000 cycle electrical life and 10,000 cycle recycle life); the most demanding ARI requirement. Class H high temperature insulated coils are standard on 3 pole 25A through 75A contactors. Silver cadmium oxide contacts provide long life under demanding duty cycles.

Recessed push-to-test button prevents accidental operation. Three terminal styles–box lug, binding head screws, or sems clamp, depending on model. Snap-on auxilliary interlocks provide a variety of switching options. Low profile design on most models allows for more wiring room.

Model No.	Coil Voltage	Number of Poles	Nominal Contact Rating		Terminals		Replaces
			Full Load	Resistive	Coil	Main	
DP1025A5006	24V	1 w/shunt	25A	30A	1/4" Quick Connects	#10-32 Combination Head-Screws and Sems Screws	R8242A 1289
DP2030A5005	24V	2	30A	40A			R8243B 1005
DP2030A5013	24V	2	30A	40A			R8243B 1013
DP2030B5012	120V	2	30A	40A			R4243B 1038
DP2030C5011	208/240	2	30A	40A			R4243B 1046
DP2040A5004	24V	2	40A	55A			R8243B 1022
DP2040C5002	208/240	2	40A	50A			—
DP3030A5004	24V	2	30A	40A			R8212R 1007
DP3030C5002	208/240	3	30A	40A			R4212G 1331
DP3040A5003	24V	3	40A	50A			R8214G 1140 R8214G 1157 (USS Coil Model)
DP3040B5002	120V	3	40A	50A	1/4" Quick Connects and #6 Screws	Lug Connectors	R4214G 1347
DP3040C5001	208/240V	3	40A	50A			R4214G 1354
DP3050A5002	24V	3	50A	63A			R8220B 1051 R8220B 1069 (USS Coil Model)
DP3050C5010	208/240	3	50A	63A			R4220B 1100
DP3060A5001	24V	3	60A	75A			R8243B 1022
DP3060B5010	120V	3	60A	75A			—
DP3060C5009	208/240	3	60A	75A			R4234B 1062
DP3075A5017	24V	3	75A	95A			—
DP3075B5016	120V	3	75A	95A			—
DP3075C5015	208/240	3	75A	95A			—
DP4040A5002	24V	4	40A	50A			R4234B 1062

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	70340	DP1025A5006/U CONTACTOR 1P 25A 24V		
12	EA	70337	DP2030A5005/U CONTACTOR 2P 30A 24V		
12	EA	70338	DP2030A5013/U CONTACTOR 2P 30A 24V		
12	EA	70333	DP2030B5012/U CONTACTOR 2P 30A 120V		
12	EA	70334	DP2030C5011/U CONTACTOR 2P 30A 240V		
12	EA	70324	DP2040A5004/U CONTACTOR 2P 40A 24V		
12	EA	70353	DP2040C5002/U CONTACTOR 2P 40A 208/240V		
12	EA	70327	DP3030A5004/U CONTACTOR 3P 30A 24V		
6	EA	70341	DP3030C5002/U CONTACTOR 3P 30A 240V		
12	EA	70328	DP3040A5003/U CONTACTOR 3P 40A 24V		
12	EA	70325	DP3040B5002/U CONTACTOR 3P 40A 120V		
12	EA	70326	DP3040C5001/U CONTACTOR 3P 40A 240V		
12	EA	70331	DP3050A5002/U CONTACTOR 3P 50A 24V		
6	EA	70342	DP3050C5010/U CONTACTOR 3P 50A 240V		
6	EA	70332	DP3060A5001/U CONTACTOR 3P 60A 24V		
12	EA	70348	DP3060B5010/U CONTACTOR 3 POLE 60 AMP 120 VOLT		
6	EA	70343	DP3060C5009/U CONTACTOR 3P 60A 240V		
12	EA	70349	DP3075A5017/U CONTACTOR 3 POLE 75 AMP 24 VOLT		
12	EA	70350	DP3075B5016/U CONTACTOR 3 POLE 75 AMP 120 VOLT		
12	EA	70351	DP3075C5015/U CONTACTOR 3 POLE 75 AMP 208 240 VOLT		
6	EA	70345	DP4040A5002/U CONTACTOR 4P 40A 24V		

Honeywell DP Series Economy Model Contactors



Economy model features shrouded coils 3 pole (25A to 60A) to protect the coil from harsh environmental factors. Moisture proof epoxy is used to encapsulate the 3 pole 75A through 120A coils.

Model No.	Coil Voltage	Number of Poles	Nominal Contact Rating		Terminals	
			Full Load	Resistive	Coil	Main
DP1030A 1000	24V	1	30A	40A	Double 1/4" Quick Connects	#10 Combination Head Screws
DP2030A 1003	24V	2	30A	40A		
DP2030B 1002	120V	2	30A	40A		
DP2030C 1001	208/240V	2	30A	40A		
DP2040A 1002	24V	2	40A	55A		

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	70320	DP1030A1001/U CONTACTOR 1P 30A 24V		
12	EA	70335	DP2030B1003/U CONTACTOR 2P 30A 120V		
12	EA	70336	DP2030C1002/U CONTACTOR 2P 30A 240V		
12	EA	70339	DP2030A1004/U CONTACTOR 2P 30A 24V		
12	EA	70323	DP2040A1003/U CONTACTOR 2P 40A 24V		

Honeywell Auxiliary Switch



- For use with DP 3 Pole contractors
- Normally Open/Normally Closed snap-on
- Side-mounted

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	70362	DP3AUX-1NO-1NC/U AUXILIARY SWITCH FOR DP 3 POLE CONTACTORS	

Auxiliary Switch



- Normally Open/Normally Closed snap-on
- Side-mounted

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94820	61612 25-60A AUXILIARY SWITCH	

Definite Purpose Contactors



- For use on air conditioning, electric resistance heating, and refrigeration systems.
- Straight-through wiring.
- Universal mounting base.
- U.L. & CSA recognized.

Coil Voltage	FLA	LRA	Resistive Amps	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	30	150	40	1	EA	94798	91311 30AMP CONTACTOR 1-1/2 POLE	
24	30	180	40	1	EA	94802	91331 30AMP CONTACTOR 3-POLE	
24	40	240	50	1	EA	94803	91431 40AMP CONTACTOR 3-POLE	
24	30	150	40	1	EA	94804	91321 30AMP CONTACTOR 2-POLE	
24	30	180	40	1	EA	94805	61720 SMALL BODY BOX LUG 1.5P 30A 24V CONTACTOR	
24	40	240	50	1	EA	94806	61730 SMALL BODY BOX LUG 1.5P 40A 24V CONTACTOR	
24	30	180	40	1	EA	94807	61745 SMALL BODY BOX LUG 2P 30A 24V CONTACTOR	
24	40	240	50	1	EA	94808	61755 SMALL BODY BOX LUG 2P 40A 24V CONTACTOR	
120	40	240	50	1	EA	94809	61756 SMALL BODY BOX LUG 2P 40A 120V CONTACTOR	
208-240	40	240	50	1	EA	94810	61757 SMALL BODY BOX LUG 2P 40A 240V CONTACTOR	
24	40	240	50	1	EA	94811	61445 LARGE BODY BOX LUG 3P 40A 24V CONTACTOR	
120	40	240	50	1	EA	94812	61446 LARGE BODY BOX LUG 3P 40A 120V CONTACTOR	
208-240	40	240	50	1	EA	94813	61447 LARGE BODY BOX LUG 3P 40A 208-240V CONTACTOR	
24	50	300	63	1	EA	94814	61460 LARGE BODY BOX LUG 3P 50A 24V CONTACTOR	
120	50	300	63	1	EA	94815	61461 LARGE BODY BOX LUG 3P 50A 120V CONTACTOR	
208-240	50	300	63	1	EA	94816	61462 LARGE BODY BOX LUG 3P 50A 208-240V CONTACTOR	
24	60	360	75	1	EA	94817	61470 LARGE BODY BOX LUG 3P 60A 24V CONTACTOR	
120	60	360	75	1	EA	94818	61471 LARGE BODY BOX LUG 3P 60A 120V CONTACTOR	
208-240	60	360	75	1	EA	94819	61472 LARGE BODY BOX LUG 3P 60A 208-240V CONTACTOR	

White-Rodgers SureSwitch™ Universal Electronic Contactor

Upgrade for Mechanical Compressor Contactors



- 5x contactor life
- Sealed to keep out ants and debris
- Microprocessor control nearly eliminates contact welding and pitting
- Ideal install with new PM contract
- Compressor protected from brownouts and short cycling
- Save on pest control treatments

General Ratings:
Amps: 40 (FLA), 200 (LRA)
Coil: 24 VAC
Pole: 1 or 1.5

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99352	49P11-843 UNIVERSAL SURESWITCH CONTACTOR	

White-Rodgers RBM Fan Control Center



Transformer and relay combination for easy installation on a 4" x 4" junction box.
- Line voltage connections pre-wired
- Energy limiting class II transformer design
- Color coded pre-stripped leads
- Low voltage connections on terminal board

Model No.	Transformer						Relay	Contact Ratings			
	Primary			Secondary				120 VAC (amps)		240 VAC (amps)	
	Voltage	Hz	Connections	Voltage	VA	Connections		Full Load	Locked Rotor	Full Load	Locked Rotor
90-112	120	60	Color coded leads, pre-stripped	24V	40	Terminal board with 5 screw terminals	DPDT	13.8	82.8	6.9	41.4
90-118E	120	60		24V	40		SPNO/SP NC	13.8	82.8	6.9	41.4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-11	PC-3 12
1	EA	94723	90-112 120VAC PRIMARY 24VAC SECONDARY DPDT RELAY FAN CONTROL CENTER			
1	EA	94722	90-118E FAN CTL CTR			

Mars® Relay Transformer Fan Control Center



Mars model 24010 features maximum versatility. It is available with a DPDT relay plus a multi-voltage transformer. Color coded leads make it easy to select either 120, 208, or 240 volt primary.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94720	24010 FAN CONTROL CENTER	

Honeywell R8225A Fan Relay



Provides control of line voltage fan motors and auxiliary circuits in heating, cooling, or heating-cooling systems. Integral 1/2" conduit spud allows relay to be mounted on standard junction box. Color-coded leadings for easier wiring.
Switching: SPDT, one N.O., one N.C.
Contacts: Silver cadmium oxide.
Maximum Operating Ambient Temperature: 115° F.
Approximate Dimensions: 2-11/16" H x 2-1/2" W x 3-7/16" D.

Contact Ratings (A):

	120 Vac			240 Vac		
	N.O.	N.C.	Aux.	N.O.	N.C.	Aux.
Full Load	14	14	3	8	7	2
Locked Rotor	84	84	18	48	42	12
Resistive	16	14	3	8	7	2
Horsepower	3/4	3/4	1/10	1	3/4	1/8

Electrical Ratings:
Coil Voltage: 24V, 60 Hz.
Maximum Inrush: 11 VA.
Maximum Sealed: 6 VA.
Pull-in Voltage: 18 V at 75% rated volt.
U.L. Listed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	72520	R8225A1017/U FAN RELAY SPDT		

Honeywell R8239A Control Center



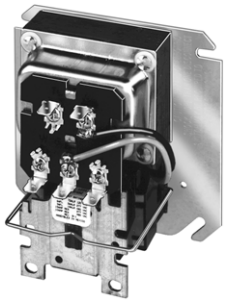
Includes NEMA standard transformer for excellent voltage control. Provides low voltage control of line voltage fan motors and auxiliary circuits in heating, cooling, or heating-cooling circuits. Mounts to standard 4" x 4" junction box.
U.L. Listed
NEMA standard DC20-1992

Contact Ratings (A):
For Both N.O. and N.C. Ratings

	120 Vac	240 Vac
Full Load	12	6.9
Locked Rotor	72	41.4
Horsepower	3/4	3/4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	72525	R8239A1052/U FAN CENTER SPDT 40VA		

Honeywell R8285A and E Control Centers



Mounts on standard 4" x 4" junction box. Relay is easily replaced without disturbing wiring. Eleven inch color-coded leadwires.

- Provides low voltage control of line voltage fan motors and auxiliary circuits in heating, cooling, or air conditioning systems.
- The 40 VA transformer powers low voltage control systems and provides overload protection.
- Low voltage terminal board provides convenient connections for thermostat and heating and cooling equipment control circuit wiring.
- Mounts on standard 4" x 4" junction box.
- Relay is easily replaced without disturbing wiring.
- Eleven inch color-coded leadwires.

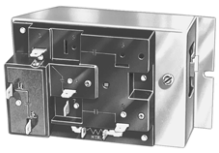
Model No	Switching	Includes Replacement Relay	VA	Transformer Primary	Secondary	Application
R8285A1048*	SPDT	R8222B	40	120V	26.5V	For single or 2-speed fan

*Tradeline Model

Full Load @ 24 Vac	Full Load @ 120 Vac	Locked Rotor @ 24 Vac	Locked Rotor @ 120 Vac
6.9	13.8	41.4	82.8

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	72273	R8285A1048/U CONTROL CENTER SPDT 40VA		

Honeywell R8330D Electric Furnace Sequencer



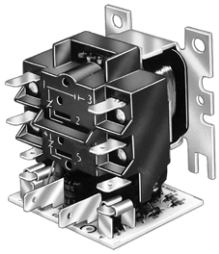
One control switches a fan and up to 3 elements On and Off in sequence. Isolated fan switch has positive interlock to assure fan is on when the element is on, and fan is off when the last element is off. Cycles On within 2 minutes and Off within 4 minutes. Ten second minimum delay between stages (make sequence and break sequence).

Includes: Mounting hardware, terminal adapter, replacement quick-connects, and jumper leadwires.

Dimensions: 3-1/16" H x 4-13/16" W x 2-11/32" D.
Ambient Temperature Range: -20° to 150° F.
Control Voltage: 24Vac, 0.04 amp.
Stages: 3.
Switches: 4.
Thermostat Anticipator Setting: 0.4A (constant).
U.L. Listed.
Timing meets EEI-NEMA and ARI 280 standards.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	72522	R8330D1039/U SEQUENCER		

Honeywell ST82D Fan Manager



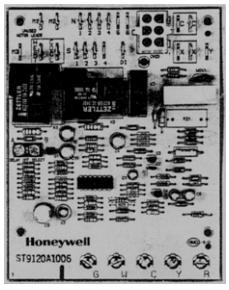
For use in compressor-run air conditioning and heat pump systems. ST82D includes an R8222 Relay with electronic time delay board. Laminated magnet construction for high efficiency.
Delay Timing: 80 seconds.
Ambient Temp. Range: -20° to +150° F.
Maximum Humidity Rating: 95% RH.

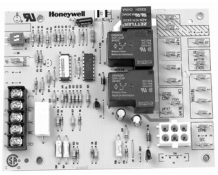
Approximate Dimensions:
2-7/32" H x 2-1/16" W x 2-9/16" D.
Relay Terminals: 1/4" quick connects.
Coil Ratings:
Inrush: 20VA maximum.
Sealed: 11VA maximum.
U.L. Listed.

	120 Vac	208/240 277 Vac	480 Vac
Full Load	12	6	3
Locked Rotor	60	35	18
Resistive	15	15	10
Horsepower	3/4	3/4	3/4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	72767	ST82D1004/U SPDT TIME DELAY RELAY	

Honeywell ST9120U Universal Electronic Fan Timer





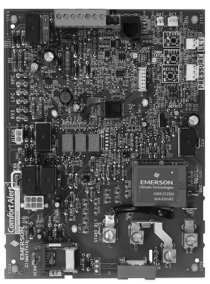
This universal timer integrates control of all combustion blower and circulating fan operations in a gas warm air appliance but also replaces all other existing Honeywell fan timer boards. This timer has a replaceable fuse and DIP switch with selectable heat and cool delay. It also features diagnostic LED and continuous EAC and HUM terminal connections.

The ST9120U1011 monitors the thermostat for heat, cool and fan demands, runs the induced draft blower motor and runs the circulating fan (up to two speeds) as needed. It also monitors limit switch strings and energizes ignition control.
On/Off Delay Settings (field adjustable):
- Heating delay on: 30 or 60 seconds
- Heating delay off: 60, 120, 150, or 180 seconds
- Cooling delay on: 4 or 30 seconds
- Cooling delay off: 30 or 60 seconds

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	72775	ST9120U1011/U UNIVERSAL ELECTRONIC FAN TIMER	

White-Rodgers 49S25-707 Heat Pump/AC Control

Goodman ComfortNet™, Two-Stage

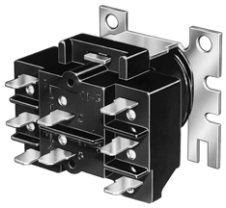


Features
- PSC or ECM outdoor fan motor
- Cuttable jumper configuration
- Communicating or legacy 24V systems
- 7 segment system diagnostic LED
- Operating Temp: -40° to 158° F
- Relative Humidity: 5% to 70%
- Input Voltage: 24 VAC, 60 Hz.

Replaces Goodman Models
- PCBGR102, PCPHR102
- PCBGR102S, PCBHR102S
- PCBGR103, PCBHR103
- PCBGR103S, PCBHR103S
- PCBHR104S
- PCBHR104S

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63377	49S25-707 2 STG UNITARY HEAT PUMP/AC CONTROL BOARD	

Honeywell R4222 and R8222 General Purpose Switching Relays



Relays for use in refrigeration and air conditioning equipment, appliances, vending machines, and similar applications. Molded terminal numbers and circuit diagram on top of relay provide easy identification for wiring and checking system operation. Double quick-connect coil terminals. Untapped coil assures cooler operation. Laminated magnet contruction for higher efficiency.

Contact Ratings

Power Poles (Amps per Pole)

	120 Vac	208/ 240/ 277 Vac	480 Vac
Full Load	12	6	3
Locked Rotor	60	35	18
Resistive	15	15	10
Horsepower	3/4	3/4	3/4

Ambient Temperature Range: -20° to +155° F.
Approximate Dimensions: 1-7/8" H x 2-5/32" W x 2-3/8" D.
Pilot Duty Poles:
Min. 3 VA at 24, 120, and 480 Vac.
Max. 25 VA at 24 Vac, 125 VA at 120, 240, and 480 Vac.
Resistive: 3A at 277 Vac (.75 power factor).
Millivoltage: Normally open pilot duty contacts are rated for millivoltage (Powerpile) application, 0.25A at 0.25 to 12 Vdc.
Max. Pickup Voltage: 18V (24V Coils); 96V (120VCoils)
Max. Sealed VA at Rated Voltage: 10
Max. Inrush VA at Rated Voltage: 20

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	72515	R8222B1067/U RELAY SPDT 24V		
20	EA	72405	R4222D1013/U RELAY DPDT 120V		
20	EA	72517	R8222D1014/U RELAY DPDT 24V		
20	EA	72406	R4222N1002/U RELAY DPDT 120V PILOT		
20	EA	72518	R8222N1011/U RELAY DPDT 24V PILOT		

MARS® General Purpose Relay



For motor starting circuits up to 1 HP. Relays feature 5/16" diameter silver contacts for long life, reinforced screw terminals, tough phenolic base, and plastic enclosed coil.
- Metal Dustcover Dimensions: 4-7/8" L x 3-7/8" W x 3" H.

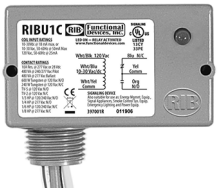
Relay

Nominal Power	Coil Voltage	Amps	Coil Resistance in Ohms	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
9.8 VA	24	25	12	1	EA	75350	43007 DPST-NO 24V RELAY	

Metal Dustcover for Relays

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75343	43016 RELAY COVER	

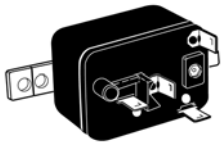
Johnson Controls RIB1UC Universal Relay



- 10 Amp, enclosed, pilot control relay
- 10–30Vac/dc / 120Vac Coil
- Continuous duty
- -30° F to 140° F operating temperature
- UL Listed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75124	RIBU1C SPDT 10 AMP RELAY IN A BOX	

White-Rodgers General Purpose Relays



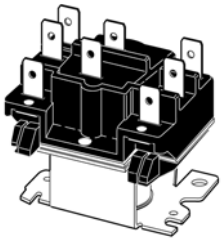
Relays are totally enclosed. Relay comes single pole normally open (SPNO) or single pole double throw (SPDT). Used for switching single or two speed fan motors, solenoids, relays, resistive loads, and general purpose switching. With quick-connects.

Model No.	Normally Open Coil Voltage	Contact Rating 125/250 VAC	
		Inductive	Resistive
SPNO			
90290Q	24	8 Amps Continuous 25 Amps Inrush	16 Amps Continuous
90291Q	115/120		
90292Q	230/240		
SPDT			
90293	24	8 Amps Continuous 18 Amps Inrush	8 Amps Continuous
90294	115/120		
90295	230/240		

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94766	90-290Q RELAY	
1	EA	94767	90-291Q RELAY	
1	EA	94768	90-292Q RELAY	
1	EA	94769	90-293Q RELAY	
1	EA	94770	90-294Q RELAY	
1	EA	94771	90-295Q RELAY	

White-Rodgers Motor Switching Relays

RBM Type 91



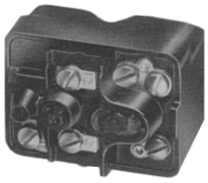
A two pole double throw semi-enclosed relay. Easy to install and wire. Relay available for power or pilot duty. Suited for vending machines, appliances, fan controls, heating and air conditioning applications, and general purpose switching. Approximate size: 2-1/8" x 1-7/8" x 2-1/4".

A.C. Voltage	Contact Rating (Per Pole)			
	Power		Pilot	
	Inductive	Resistive	Inductive	Resistive
125	13.8A 1/2 HP 12 A. Full Load 82.8 A. Inrush	15 A.	1/10 HP 125 V.A.	3 A.
250	1/2 HP 6 A. Full Load 35 A. Inrush 15 A.	15 A.	1/10 HP 125 V.A.	3 A.
277	@ 75% (Power Factor)	15 A.	—	3 A.

Coil Voltage (60 Cycle)	Terminals 1-2-3	Terminals 4-5-6	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	Power	Power	1	EA	94763	90-340 MOTOR SWITCHING RELAY	
208/240	Pilot	Pilot	1	EA	94765	90-342 MOTOR SWITCHING RELAY	

White-Rodgers Switching Relay

RBM Type 129000



- Contacts: 1 SPNO, 1 SPNC
- Coil Voltage (60 Hz): 24
- Coils, Duty Cycle: Continuous
- Coil Data:
  45.7 DC Res
  167 MA
  4 Nom VA
  8 Inrush VA

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94706	90-105 SHUNT RELAY	

Honeywell H46D and E Humidity Controllers



Provides automatic control of a humidifier or dehumidifier. For dehumidification and mildew control in air conditioning systems. Positive On-Off settings for manual operation. Wall-mounted. SPST, snap-acting switch.

Fixed Differential: 4 to 6% RH.
Pilot Duty: 50 VA at 24 Vac.
Sensing Element: Moisture-sensitive nylon ribbon.
Operating Temperature Range: 50° to 125° F.
Dimensions:
4-11/16" H x 2-15/16" W x 2-1/8" D.
U.L. Listed.

Model No.	For Use On	Range (% RH)	Connection	Switch Action	Includes
H46D 1032*	Humidifiers	10 to 60	Leadwires, 6" nominal	Makes on RH fall to set point minus differential	Adapter plate for vertical switch box mounting
H46E 1013*	Dehumidifiers	20 to 80	3 wire cord and interrupter plug	Makes on RH rise to set point	Case and cover with knob for wall mounting

*Tradeline Models Pilot Duty: 50 VA at 24 Vac.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	70411	H46D1214/U HUMIDISTAT WHITE		
12	EA	70413	H46E 1013 HUMIDISTAT		

Honeywell H600A Humidifier Controller



The H600A operates humidification equipment on RH fall or dehumidification equipment on RH rise. SPDT, snap-acting switch. Removable setting knob prevents tampering.
Sensing Element: Moisture-sensitive nylon ribbon provides reliable operation even when ambient temperature conditions
Mounting: Vertically on 2" x 4" junction box (not to be duct mounted). Includes alternate scale and faceplate for horizontal mounting. change.

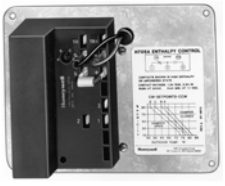
Electrical Ratings (Amperes)

	Dehumidifier (Red to Yellow)		Humidfier (Red to Blue)	
	120 Vac	240 Vac	120 Vac	240 Vac
Full Load	7.5	3.8	4.4	2.2
Locked Rotor	30.0	15.0	26.4	13.2
Resistive	12.0	16.0	12.0	6.0

Maximum Ambient Temperature: 125° F.
Range: 20 to 80% RH.
Fixed Differential: 5% RH.
Dimensions: 6-3/16" H x 3-3/8" W x 2-1/4" D.
U.L. Listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	70425	H600A1014/U HUMIDISTAT	

Honeywell H705A Solid State Enthalpy Controller



Provides changeover control in Economizer systems; use in electronic or electromechanical systems. The H705A solid state enthalpy control maximizes the use of free outdoor air in place of the first stage of cooling HVAC economizer systems.

Approximate Dimensions:
4-11/16" W x 2-3/8" H x 6-7/16" D.
Ambient Temp. Range: -25 to +125° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	70479	H705A1003/U ENTHALPY CONTROLLER	

Honeywell Outdoor Sensor for H1008

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	70300	C7089H 1007 OUTDOOR SENSOR F/H1008	

Honeywell H8908 Humidistat



The H8908 Humidistat provides automatic low voltage control of humidifiers in central heating and air conditioning systems. They have a SPST, snap-acting, dust-proof switch and are designed for wall or surface duct mounting.

The styling of the H8908 is designed to blend with the T8600 family of Honeywell Chronotherm IV™ Deluxe Programmable Thermostats. The H8908 can also be mounted at any other convenient location in the living area or equipment room.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	78183	H8908ASPST/U HUMIDISTAT CONTROL	

JOHNSON CONTROLS W43A Humidistat



SPDT contact action provides control of humidifying or dehumidifying equipment with the same control. Operating element is composed of many strands of specially treated human hair. Flush mounting bracket to fit standard outlet box supplied.

Type 843 has field adjustable high and low limit stop; stops can be set for locked setting. Knob adjustment with visible dial.

Includes faceplate for horizontal mounting. The plate is for on-the-job installation over vertical plate. Can field converted to concealed adjustment, specify plate kit PLT333-12R (vertical) or PLT333-9R (horizontal).

Motor Ratings	120 V.	208 V.	240 V.
A.C. Full Load Amps.	6.0	3.5	3.0
A.C. Locked Rotor Amps	36.0	21.0	18.0
Pilot Duty - 125 VA 24 to 277 Vac			

Maximum Operating Ambient: 100° F
Range: 0 to 70% RH
Diff. R.H.: Approx. 4%
Voltage: Low or Line

Former Model No.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
843	1	EA	75463	W43A-14C HUMIDISTAT	

Honeywell L4064B Fan and Limit Control



- For control of high limit and fan motors in all types of forced air heating systems.
- Three wiring terminal options available for easy installation: push-in receptacles for stripped wire; female receptacles for 1/4" male flag connections; and field add-on screw terminals.
- Controls adapt to many competitive mounting holes in replacement applications.
- Available in a variety of fan and high limit setting ranges.
- L4064B models have manual fan switch that overrides fan control to keep fan running continuously.

Pilot Duty: 2 amp at 24 Vac; 0.25 amp at 0.25 to Vdc.
Maximum Combined Connected Load: 2000 VA.
U.L. Listed

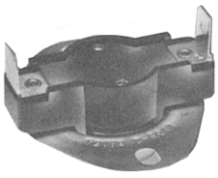
Electrical Ratings (Amperes)

	120 Vac		240 Vac	
	Fan	Limit	Fan	Limit
Full Load	14	8	7	4
Locked Rotor	84	48	42	24

	L4064B	
	° F	° C
High Limit Range	50 to 250	10 to 121
High Limit Differential	25, Fixed	14, Fixed
Fan Setting Range		
On	65 to 215	18 to 102
Off	50 to 200	10 to 96
Fan Differential	22 min., Adj.	12 min., Adj.

Tube Length (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
11-1/2	12	EA	70662	L4064B2210/U 11 1/2" FAN & LIMIT	
8	12	EA	70667	L4064B2236/U 8" FAN & LIMIT	
5	12	EA	70668	L4064B2228/U 5" FAN & LIMIT	

39031 and 39032 Limit Heating Disc Thermostats

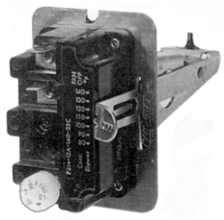


Each 3/4" thermostat has an integral oval flange to match the most commonly used mounting option. Thermostats have .25" quick-connect terminals, with adapters supplied for conversion to screw-type terminals. These limit switches open on temperature rise.

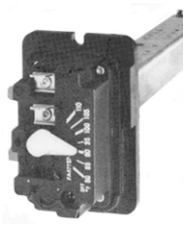
	Temperature Settings	
Model No.	Close (°F)	Open (°F)
39031	260	300
39032	285	325

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93828	39031 (L300-4) LIMIT HEATING THERMOSTAT	
1	EA	93829	39032 (L325-4) LIMIT HEATING THERMOSTAT	

CAM-STAT® Fan and Limit Controls



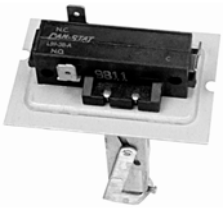
F214



FA47TS7



FALTS57C



L59 Limit Control

Series F214

Fan control may be used to replace any of the following controls: F14-10A, F14-11A, F14-12A, F214-10A, F214-11A, F214-12A.

Series FA47TS

Time Start Fan Control
Replaces all F47TS Series Controls.
These are special fan controls with a built-in "heat assist" timer. The time delay turns on the blower as a function of time and/or temperature after the room thermostat calls for heat and turns off the blower as a function of temperature at the indicated dial setting of the fan.

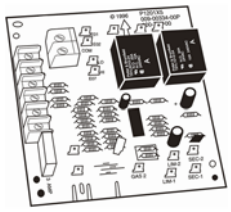
Series FALTS

Combination Fan and Limit Controls with Time Start Delay
These Combination Fan and Limit Controls include a time start fan control ("heat assist"). The time delay turns on the blowers as a function of time and/or temperature after the room thermostat calls for heat and turns off the blower as a function of temperature at the indicated dial setting of the fan.

The limit portion will limit the temperature of the furnace to a safe operating temperature. A limit temperature adjustment is provided to match the setting of the old device being replaced.

Type Control	Fan Range Degree F	Adjustment Degree F	Time Delay (Seconds)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Fan & Limit	90 to 120	25 to 50	—	1	EA	75604	FAL3C05TD120A 3IN 150-250 DEG FAN & LIMIT CTL	
Fan & Limit	90 to 120	25 to 50	—	1	EA	75605	FAL7C-05TD-120-A 7IN 120-250 DEG FAN & LIMIT CTL	
Fan w/Timer	80 to 110	60 Fixed	25 to 60	1	EA	75606	FA47TS7-110 7IN 25-60 SEC CAMSTAT FAN CTL	
Limit	—	30 Fixed	—	1	EA	75608	L593BA 3IN 120-250 DEG CAMSTAT LIMIT CTL	
Limit	—	30 Fixed	—	1	EA	75609	L597BA 7IN 120-250 DEG CAMSTAT LIMIT CTL	
Fan	60 to 140	25 to 45	—	1	EA	75613	F214-13A-140-25C 7IN 90-120 DEG FAN OFF CAMSTAT FAN CTL	
Fan & Limit	90 to 120	—	Preset	1	EA	75614	FALTS57C-05T-120 -A 7IN 150-250 LIMIT TMP FAN & LIMIT CTL	
Fan & Limit	90 to 120	—	Preset	1	EA	75619	FALTS57C-65T-120 A 7IN 150-250 LIMIT TMP FAN & LIMIT CTL W/SHIELD	
Fan w/Timer	80 to 110	60 Fixed	25 to 60	1	EA	75620	FA47TS3-110 3IN 25-60 SEC CAMSTAT FAN CTL	

271 and 275 Fan Control Centers
for Carrier/BDP



The ICM 271 and 275 Fan Control Centers are solid state controls designed and engineered specially to replace the Carrier/BDP Gas Furnace Control Centers. They have the same features and functions as the current Carrier/BDP replacement (HH84AA020 and HH84AA021). These are exact replacements requiring no modifications to the original wiring or to the appliance sheet metal.

The 271 and 275 have 24 volt circuits and are fuse protected. A 3 amp automotive type fuse is used to protect the thermostat and transformer circuits from shorts.

Input Voltage:
Terminals PR-1, PR-2, L1, and L2: 120 Vac
Terminals SEC-1 and SEC-2: 18-36 Vac
Line Frequency: 60 Hz.
Operating Temperature: -40 to 176° F.
Maximum Operating Humidity: 95% RH.

ICM to Carrier/BDP Cross Reference

271		
CESO11001	HH84AA011	HH84AA020
CESO110018	HH84AA012	P771-7002
HH84AA010	HH84AA013	302075-3
275		
CESO11001	HH84AA005	HH84AA015
HH84AA001	HH84AA009	HH84AA021
HH84AA003	HH84AA014	

Time Delay Timings

	271	275
Heat On	75 sec.	60 sec.
Heat Off	105 sec.	80 sec. to 4 min.
Cool Off	90 sec.	90 sec.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75512	ICM271 695-100 FAN CONTROL CENTER #HH84AA020	
1	EA	75513	ICM275 695-101 FAN CONTROL CENTER	

277C Fan Blower Control Board
for Goodman

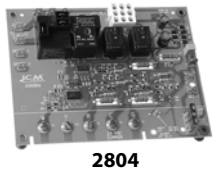


- Microprocessor-based fan blower
- For circulating fan in heat pump, A/C and forced air systems

- **Voltage:** 18-30 VAC
- **Contact Ratings:**
  N.O.: 20 amps
  N.C.: 10 amps
- **Time Delays:**
  Blower On: 7 second
  Blower Off: 65 seconds
- **Fan (Heat) On/Off Delay:** 1 second
- Replaces boards for B1370735S and PCBFM131S

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75697	ICM277C CONTROL BOARD B1370735S/ PCBFM131S	

Furnace Control Boards



2804

Form, fit and functional replacement furnace controls for many popular OEM models. These furnace controls come standard with many safety features including 100% gas shutoff in case of ignition failure.

Model No	Replaces
ICM280	**Goodman**: B18099-06/08/10/13/13S **Texas Instruments**: 41F-5 **White-Rodgers**: 50T35-730, -743
ICM281	**Carrier**: CES0110057-00/01/02, CES0110020, CES0110048, HH84AA016
ICM282A	**Carrier**: HK42FZ-004/007/008/009/011/013/016
ICM284	**York**: SI-03101280000
ICM286	**Goodman**: PCBBF112S, B1809926S, 0130F00005S
ICM287	**Goodman**: B18099-04
ICM288	**Rheem**: 62-24084-82
ICM289	**Lennox**: All BCC1, BCC2, BCC3, circuit boards, including 48K98 and 45K48

Model No.	Replaces
ICM291	**Carrier**: LH33WP003/3A
ICM292	**Rheem**: 62-24140-04
ICM2801	**York**: 7990-319P
ICM2804	**Carrier**: CES0110074-00*, -001
ICM2805A	**Nordyne**: 624631 *(For use with G3, G4, G5, G6, M2, and M3 furnace models.)*
ICM2807	**Carrier**: HK42FZ017
ICM2808	**York**: S1-331-03010000, S1-331-02956000

* When replacing the CES011007400 some quick connectors have to be changed or added. EAC-1 and -2 must have 1/4" connectors. COM, SEC-1, -2 must have 3/16" connectors.

Line Voltage (@ 60 Hz)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
98-132 VAC	1	EA	75676	ICM280 B18099-06/08/10/13/13S GOODMAN CONTROL BOARD	
98-132 VAC	1	EA	75678	ICM281 CES0110057-00/01/02 CARRIER CONTROL BOARD	
98-132 VAC	1	EA	75677	ICM282A CARRIER HK42FZ CONTROL BOARD	
208 VAC	1	EA	75683	ICM284 03101280000 YORK CONTROL BOARD	
98-132 VAC	1	EA	75696	ICM286 CONTROL BOARD PCBBF112S/ 0130F00005/B18099-26	
120 VAC	1	EA	75699	ICM287 CONTROL BOARD B18099-04	
98-132 VAC	1	EA	75684	ICM288 62-248084-82 RHEEM CONTROL BOARD	
98-132 VAC	1	EA	75694	ICM289 BCC1,BCC2,BCC3 LENNOX CONTROL BOARD	
208/230 VAC	1	EA	75736	ICM291 LH33WP003/3A CARRIER CONTROL BOARD	
115 VAC	1	EA	75737	ICM292 62-24140-04 RHEEM CONTROL BOARD	
98-132 VAC	1	EA	75739	ICM2801 7990-319P YORK CONTROL BOARD	
98-132 VAC	1	EA	75740	ICM2804 CES0110074-01 CARRIER CONTROL BOARD	
98-132 VAC	1	EA	75742	ICM2805A 624631 NORDYNE CONTROL BOARD	
98-132 VAC	1	EA	75743	ICM2807 HK42FZ017 CARRIER CONTROL BOARD	
98-132 VAC	1	EA	75744	ICM2808 S1-331-0301/02956 YORK CONTROL BOARD	

318C Defrost Control Board
for Goodman



- Low cost, time and temperature defrost
- Time and temperature terminate
- Test pins: 256x's reduction in test time
- HOLD input tracks compressor run times
- High power output (1/2 HP fan @ 240 VAC)
- Strip heat, reversing valve outputs (24 VAC, 1 amp)
- **Voltage:** 18-30 VAC
- **Frequency:** 50-60 Hz
- **Outdoor Fan Relay Output:** 1/2 Hp fan @ 240 VAC
- **Strip Heat, Reversing Valve Outputs:** 24 VAC, 1 amp
- **Defrost Time:** 10-minutes fixed
- **Interval Times:** Pin-selectable 30/60/80 minutes
- Replacement for Goodman board B1226008

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75698	ICM318C CONTROL BOARD B1226008	

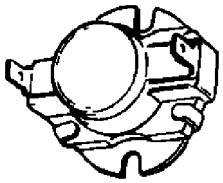
White-Rodgers 3F01 Fan and 3L01 Limit Snap-Disc Controls



Front View



Reverse View



Standard Mounting



Tab-to-Screw

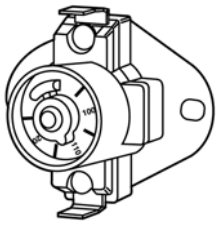
Models available for regulation of fan or blower and for high limit safety control. Designed for quick on-job replacement. Last three numbers indicate cut-out temperatures on limits and cut-in temperatures on fan controls.

Features include mounting holes that match standard 3/4" snap discs and tab-to-screw terminal adaptors (included).

Model No.	Temperature Settings		Switch	Motor Rating		Valve & Relays
	Cut-In (F)	Cut-Out (F)	Action	120 Vac	240 Vac	25 Vac
Fan Controls						
3F01-110	110	90	Close on Rise	10A	5A	—
3F01-120	120	110	Close on Rise	10A	5A	—
3F01-130	130	115	Close on Rise	10A	5A	—
3F01-140	140	120	Close on Rise	10A	5A	—
3F01-150	150	130	Close on Rise	10A	5A	—
Limit Controls						
3L01-190	150	190	Open on Rise	10A	5A	—
3L01-200	160	200	Open on Rise	10A	5A	6A
SPDT Controls						
3L03-140	140	120	SPDT	10A	5A	6A

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75502	3F01-110 110 F CLOSE ON RISE FAN CONTROL	
1	EA	75503	3F01-120 120 F CLOSE ON RISE FAN CONTROL	
1	EA	75505	3F01-130 130 F CLOSE ON RISE FAN CONTROL	
1	EA	75507	3F01-140 140 F CLOSE ON RISE FAN CONTROL	
1	EA	75510	3F01-150 150 F CLOSE ON RISE FAN CONTROL	
1	EA	75515	3L01-190 150 F CUT-OUT 190F OPEN ON RISE LIMIT CONTROL	
1	EA	75517	3L01-200 160 F CUT OUT 200F OPEN ON RISE LIMIT CONTROL	
1	EA	75518	3L03-140 140 F SINGLE PULL DOUBLE THROW LIMIT CONTROL	

White-Rodgers 3F05 Fan and 3L05 Limit Adjustable Snap-Disc Controls



This adjustable snap disc thermostat allows you to set the temperature set point to match specific needs and features 1/4" quick connect terminals.

- **Fan Controls:** Close on Rise
  2 adjustable fan control models replace 7 fixed Snap Disc models
- **Limit Controls:** Open on Rise
  3 adjustable limit control models replace 10 fixed Snap Disc models
- Switch: SPST

Package Includes: Thermostat, tab-to-screw terminals, adapter bracket, and mounting screws.

Range (° F)	Diff.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
90–130	20	1	EA	75815	3F05-1 3/4IN SPST CLOSE ON RISE FAN CONTROL	
140–180	20	1	EA	75816	3F05-2 3/4IN SPST CLOSE ON RISE 140F TO 180 FAN CTL	
135–175	40	1	EA	75817	3L05-1 SPST OPEN ON RISE 135F TO 175 RANGE LIMIT CTL	
175–215	40	1	EA	75818	3L05-2 SPST 175F TO 215 LIMIT CTL	
210–250	40	1	EA	75819	3L05-3 SPST 210F-250 LIMIT CONTROL	

White-Rodgers 3L09 Board Mount Limit Control



- 1/2" bimetal disc
- Provides high-speed contact separation
- OEM replacement
- Type 36T

Opens/Closes (° F)	Therm-O-Disc Style	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
160/140	612706	1	EA	75855	3L09-5 160/140 3.12IN LENGTH LIMIT CONTROL BOARD MOUNT	
170/130	612710	1	EA	75856	3L09-6 170/130 3.12IN LENGTH LIMIT CONTROL BOARD MOUNT	
200/160	612718	1	EA	75857	3L09-10 200/160 3.12IN LENGTH LIMIT CONTROL BOARD MOUNT	
210/170	612719	1	EA	75858	3L09-11 210/170 3.12IN LENGTH LIMIT CONTROL BOARD MOUNT	
220/180	612722	1	EA	75859	3L09-12 220/180 3.12IN LENGTH LIMIT CONTROL BOARD MOUNT	
240/210	612723	1	EA	75860	3L09-13 240/210 3.12IN LENGTH LIMIT CONTROL BOARD MOUNT	
155/125	612705	1	EA	75861	3L09-18 155/125 7.12IN LENGTH LIMIT CONTROL BOARD MOUNT	
175/145	612712	1	EA	75862	3L09-19 175/145 7.12IN LENGTH LIMIT CONTROL BOARD MOUNT	
240/210	612724	1	EA	75863	3L09-20 240/210 7.12IN LENGTH LIMIT CONTROL BOARD MOUNT	

White-Rodgers 3L12 Rollout Limit-Switch

1/2" Disc Manual Reset



- 1/2" SPST, 1/4" QC
- OEM replacement
- Type 611
- Style: 36TX16
- Open on rise

Cutout (F)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
130	1	EA	75909	3L12-130 1/2IN TYPE 611863 DISC MANUAL RESET ROLLOUT LIMIT SWITCH	
135	1	EA	75910	3L12-135 1/2IN TYPE 611864 DISC MANUAL RESET ROLLOUT LIMIT SWITCH	
220	1	EA	75911	3L12-220 1/2IN TYPE 611865 DISC MANUAL RESET ROLLOUT LIMIT SWITCH	
230	1	EA	75912	3L12-230 1/2IN TYPE 611866 DISC MANUAL RESET ROLLOUT LIMIT SWITCH	
240	1	EA	75913	3L12-240 1/2IN TYPE 611867 DISC MANUAL RESET ROLLOUT LIMIT SWITCH	
250	1	EA	75914	3L12-250 1/2IN TYPE 611868 DISC MANUAL RESET ROLLOUT LIMIT SWITCH	
260	1	EA	75915	3L12-260 1/2IN TYPE 611869 DISC MANUAL RESET ROLLOUT LIMIT SWITCH	
300	1	EA	75916	3L12-300 1/2IN TYPE 611870 DISC MANUAL RESET ROLLOUT LIMIT SWITCH	
300	1	EA	75917	3L12-301 1/2IN TYPE 611971 DISC MANUAL RESET ROLLOUT LIMIT SWITCH	
350	1	EA	75918	3L12-350 1/2IN TYPE 611871 DISC MANUAL RESET ROLLOUT LIMIT SWITCH	

White-Rodgers 5D51 Replacement Fan and Limit Controls



Single element type control for applications with narrow space limitations. Regulates fan or blower operation and acts as high limit safety control. Designed to be interchangeable with other flush mounted single element fan and limits. Features include slotted mounting holes for easy installation long terminal screws for wiring and removable solid copper jumper between fans and limit switches.

Limit switch has "universal" contact structure capable of handling millivolts to 240 Vac. Limit switch has adjustable stop to limit maximum setting. Summer fan switch for ventilation without changing control settings. Has same fan and limit switch mechanism.

Model No.	Type	Range °F	Diff.	Switch Action	Full Elec. Rating	Motor Rating (Full Load)		Valves and Relays	
						120 Vac	240 Vac	25 Vac	.3-12 Vdc
5D51	Fan	50 to 265	Adj. 15° F Minimum	Close on Rise	HT	14.0A	7.0A	—	—
	Limit	100 to 300	Fixed 25° F	Open on Rise	HTV	10.0A	6.0A	6.0A	1.0A

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75529	5D51-35 5IN FAN & LIMIT CONTROL	
1	EA	75519	5D51-90 8IN FAN & LIMIT CONTROL	
1	EA	75530	5D51-78 11IN FAN & LIMIT CONTROL	

Honeywell SV9500 and SV9501 SmartValve™ System



Combines gas flow control and electronic intermittent pilot sequencing functions into a single unit. Suitable for a wide range of gas-fired appliances including furnaces, roof-top furnaces, boilers, unit heaters, infrared heaters, space heaters, and commercial cooking units. Replaces SV9500, SV9501, and SV9502 controls as noted below. Ignition sequence includes timed trail for ignition.
AGA Design Certified, U70-24A.

IMPORTANT!

The Tradeline SV9501 Smart Valve models are replacement controls only for the SV9500, SV9501, and SV9502 models noted above. Do not use these controls to replace other types of intermittent pilot or direct ignition controls. Do not use these controls to replace SmartValve models not listed. The controls might fit, but the gas flow control functions might not be compatible with the appliance.

Model No.	Inlet/Outlet Size (In.)	Pressure Regular Setting		Type of Opening	Type of Gas	Pre Purge (Seconds)	Post Purge (Seconds)
		In. wc	kPa				
SV9501M 2528	1/2 x 1/2	3.5	0.87	Standard	Natural	—	—
SV9501M 8129	1/2 x 1/2	3.4	0.87	Fast	Natural	—	—
SV9502H 2522	1/2 x 1/2	3.2	0.80	Slow	Natural	15	—
SV9520H 8513	1/2 x 1/2	3.5	0.87	Slow	Natural	15	—
SV9602P 4816	3/4 x 3/4	3.5	0.87	Step	Natural	30	—
SV9641M 4510	1/2 x 1/2	3.2	0.80	Standard	Natural	15	30

SV9501M 2528 Replaces			SV9501M 8129 Replaces	SV9502H 2552 Replaces
SV9500M 2045	SV9500M 2686	SV9501M 2031	SV9500M 8600	SV9500H 2609
SV9500M 2603	SV9500M 2690[b]	SV9501M 2056[a]	SV9500M 8618[b]	SV9500H 2724

[a] Regulator setting in replacement control differs from original. Adjust to rated pressure as necessary for optimum performance.

[b] Shipped by Honeywell as LP gas only; may have been converted to natural gas. Use natural to LP gas conversion kit (included) if necessary.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	73334	SV9502H2522/U SMART VALVE	
1	EA	73335	SV9501M2528/U SMART VALVE	
1	EA	73336	SV9501M8129/U SMART VALVE	
20	EA	73337	Q3400A1024/U IGN/FLAME ROD ASSY.F/SV VALVES	
1	EA	73338	SV9520H8513/U SMART VALVE	
1	EA	73396	SV9602P4816/U SMART VALVE	
1	EA	73397	SV9641M4510/U SMART VALVE	

Honeywell V48A and V88A Diaphragm Gas Valves



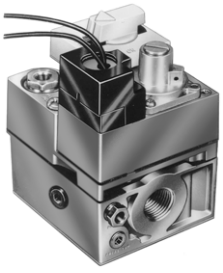
Solenoid operated diaphragm valves for controlling fuel gases. Used with LP, natural, or manufactured gases. Cast aluminum valves. Closes on power failure. Recommended for final shutoff service.

- U.L. listed.
- Industrial Risk Insurers (formerly FIA) acceptable.
- AGA Design Certified.
- **Valve Pattern:** Straight-through.
- **Bleed Tapping:** 1/8-27 NPT or 1/8-28 BSP.P1.
- **Valve Closing Time:** One second max. for 3/4 through 1-1/2" valves. Two second max. for 2" through 3" valves at 2 oz./in. pressure.
- **Valve Opening Time:** 5 seconds max. at 2 oz./in.
- **Ambient Temperature Rating:** 32 to 125° F.

Model No.	Size (In.)	Capacity*		Voltage	Maximum Sustained Pressure	
		cfh	m^3/hr		psi	kPa
V48A 2151	3/4	668	18.9	120V, 50/60 Hz	1/2	3.4
V48A 2169	1	1021	28.9			
V48A 2177	1-1/4	2100	59.5			
V28A 2276	1-1/2	2400	67.9	120V, 50/60 Hz	1	6.9
V88A 1618	1	1021	28.9	24V, 60 Hz	1/2	3.4
V88A 1626	1-1/4	2100	59.5			
V88A 1659	3/4	668	18.9			
V88A 1667	3/4	668	18.9	24V, 60 Hz	1	6.9
V88A 1675	1	1021	28.9			

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	73349	V48A2169/U 1IN 120V GAS VALVE	
10	EA	73351	V48A2151/U 3/4IN 120V GAS VALVE	
6	EA	73352	V48A2177/U 1-1/4IN 120V GAS VALVE	
6	EA	73355	V48A2276/U 1-1/2IN 120V GAS VALVE	
10	EA	73455	V88A1618/U 1IN 24V GAS VALVE	
6	EA	73456	V88A1626/U 1-1/4IN 24V GAS VALVE	
10	EA	73458	V88A1659/U 3/4IN 24V GAS VALVE	
10	EA	73459	V88A1667/U 3/4IN 24V GAS VALVE	
10	EA	73460	V88A1675/U 1IN 24V GAS VALVE	
1	EA	74568	126590 ADJ BLEED VALVE ASSY	

Honeywell V400A Combination Gas Control



Provides complete control of gas-fired central furnaces and boilers. This automatic 120V control is color-coded black to identify 120V operation and has 36" lead wires. This combination gas control is easy to install, adjust, and service. Gas cock knob, wiring connections, pressure regulator, pilot gas adjustments, and thermocouple connection are all on top of control for easy access. Valve operators and pressure regulators are easily replaced with a screwdriver.
Inlet/Outlet Size: 3/4" x 3/4".
Setting: 3/5" wc (0.87 kPa).

Capacity*, **: 335 cfh (9.5 m3/hr.). Pressure regulator and one 1/2" x 3/8" reducer bushings/adapters.
Kind of Gas: Natural.
Includes: Two 3/4" x 1/2" and one 1/2" x 3/8" reducer bushings.
U.L. Listed.
AGA Design Certified.

*1000 BTU/ft 3,0 .64 sp gr Nat. gas at 1" wc p.d. (37.3 MJ/m 3, 0.64 sp gr Nat. Gas at 0.25 kPa P.d.).
**Use of reducer bushings resulting in 3/4" x 1/2" inlet-outlet size reduces capacity to 225 cfh; use of reducer bushings resulting in 1/2" x 3/8" inlet-outlet size reduces capacity to 100 cfh.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73471	V400A1095/U GAS CONTROL		

Honeywell V800A Combination Gas Controls



Provides complete control of gas-fired central furnaces and boilers. Externally removable Pilotstat power unit; pilot flow adjustment screw. Complete safety shutoff on pilot flame failure. Automatic 24V control, use with 30mV thermocouple.

Valve is color-coded blue to identify 24V operation. Terminal block has 3 combination screw and 1/4" quick-connect terminals. Current draw is 0.2A.
U.L. Component Recognized
AGA Design Certified

Model No.	Inlet-Outlet Size	Capacity[3]		Pres. Reg. Setting (In. wc)	Tradeline Value	Includes
		cfh	M3/hr			
V800A 1070	1/2 x 3/4	250	7.1	3.5	Tradeline	One 3/4 x 1/2" and One 1/2 x 3/8" Reducer Bushing/Adapter[4]
V800A 1088[1]	3/4 x 3/4	335	9.5	3.5	Super Tradeline	Two 3/4 x 1/2" and One 1/2 x 3/8" Reducer Bushing/Adapter[4]
V800A 1476[2]	1/2 x 3/4	250	7.1	3.5	Tradeline	One 1/2 x 3/4" Reducer Bush/Adapter[4]

[1] Includes Q340 (36 in.) thermocouple with adapters.

[2] Straight through only. No side outlets.

[3] Rated at 1 w.c. p.d. Natural gas.

[4] Use of reducer bushings resulting in 3/4 x 1/2" inlet-outlet size reduces capacity to 250 cfh (7.1 m3/hr); use of reducer bushings resulting in 1/2 x 3/8" inlet-outlet size reduces capacity to 110 cfh (3.1 m3/hr).

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73505	V800A1476/U GAS VALVE		
12	EA	73506	V800A1088/U GAS VALVE		
12	EA	73507	V800A1070/U GAS VALVE		

Honeywell V4046C Pilot Gas Valves



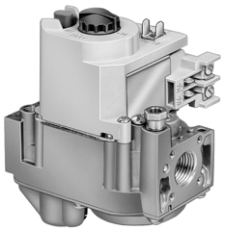
Provide on-off control of natural, LP, and manufactured gases to pilot burners in industrial and commercial applications. Unit is magnetically operated and is normally closed, provides instantaneous action when energized, and has a straight-through valve pattern. On power failure, valve closes in one second maximum. Use in any position, directly in pipe line or on support bracket. Replace the solenoid oil without removing the valve body from the piping connections. Available in line voltage or low voltage models.

Ambient Temperature Range: -40 to +125° F.
Maximum Operating Pressure: 10 psi.
Power Consumption: 8W at maximum rated voltage, 14 VA.

Capacity (cfh)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	20	EA	73586	V4046C1005/U GAS VALVE 1/8 NPT	
67	20	EA	73585	V4046C1054/U GAS VALVE 3/8 NPT	

Honeywell VR8200A, C, and H Continuous Pilot Gas Control

Dual Automatic Valve



Combination gas control for use in 24 Vac, gas-fired, standing pilot appliances with capacities from 20 to 200 cfh. Control includes manual valve, two automatic operators, servo pressure regulator, and pilot adjustment.

Meets codes requiring dual safety shut-off.
Compatible with ECO adapter.
AGA Design Certified.

Model No.	Inlet-Outlet Size (In.)	A.G.A. Certified Capacity [a]		Pressure Reg. Setting		Type of Pressure Regulator	Type of Gas	Includes
		cfh	m3/hr	In. wc	kPa			
VR8200A 2124*	1/2 x 1/2	130	3.7	3.5	0.87	Standard	Nat.	1 - 3/4 in. straight flange, 1 - 1/2 in. x 3/8 in. reducer bushing, Q340 Thermocouple, Natural to LP Conversion Kit
VR8200A 2132*	1/2 x1/2	130	3.7	3.5	0.87	Standard	Nat.	1 - 3/4 in. Straight Flange, 1 - 1/2 in. x 3/8 in. reducer bushing, Natural to LP Conversion Kit
VR8200C 1041	1/2 x1/2	130	3.7	1.2 Step to 3.5	0.87	Step	Nat.	—
VR8200H 1251*	1/2 x1/2	130	3.7	3.5	0.87	Slow Opening	Nat.	1 - 3/4 in. Straight Flange, 1 - 1/2 in. x 3/8 in. reducer bushing, Natural to LP Conversion Kit

* Tradeline Model
[a] Rated for natural gas at 1 wc pressure drop.

VR8200A, C, and H Gas Controls

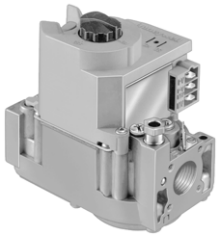
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73936	VR8200C1041/U COMB GAS CONTROL		
12	EA	73937	VR8200H1251/U COMB GAS CONTROL		
12	EA	73943	VR8200A2132/U COMB GAS CONTROL		
12	EA	73944	VR8200A2124/U COMB GAS CONTROL		

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74652	393690-14 3/4 IN STRAIGHT FLANGE	
2	EA	74797	393200-1/U ECO ADAPTOR	

Honeywell VR8204A, C, and H Intermittent Pilot Dual Gas Controls

Automatic Valve Combination



Combination gas control for use in 24 Vac, gas-fired, intermittent pilot appliances with capacities from 20 to 200 cfh. Control includes manual valve, two automatic operators, servo pressure regulator, and pilot filter. For use with S86F and H control modules.

Provides dual-seated safety shut-off. Solenoid operated first automatic valve opens on thermostat call for heat; closes when call for heat ends. Diaphragm-operated second automatic valve opens under control of regulator; closes if gas or power supply is interrupted. On-Off lighting sequence.

Mounting: 0 to 90° from the upright position of gas control knob, including vertically.
Body Pattern: Straight-through with 1/2" inlets and outlets.
Pressure Tapping: 1/8" NPT with plug.
Pressure Rating: 1/2 PSI inlet pressure.
Ambient Temperature Range: 0 to 175° F.
Supply Voltage: 24Vac, 60 Hz.
Thermostat Heat Anticipator Setting : 0.5A.
Wiring Connections: 1/4" male quick-connects.

Model No.	Inlet-Outlet Size (In.)	A.G.A. Certified Capacity[1]		Pressure Reg. Setting		Type of Pressure Regulator	Type of Gas	Includes
		cfh	m3/hr	In. wc	kPa			
VR8204A 2076	1/2 x 1/2	150	4.2	3.5	0.87	Standard	Nat.	1/2 x 3/8" reducer bushing[2], 393691 Nat. to LP Conv. Kit
VR8204C 1019	1/2 x 1/2	150	4.2	.09 step[3] 3.5 full rate	.022 stepc 0.87 full rate	Step Opening	Nat.	—
VR8204H 1006	1/2 x 1/2	150	4.2	3.5	0.87	Slow Opening	Nat.	—

[1] Capacity based on 1,000 BTU/Ft.3, 0.64 special gravity natural gas at 1" wc pressure drop.

[2] Use of 1/2 x 3/8" reducer bushing reduces capacity to 130 cfh.

[3] Step pressure is not adjustable.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73945	VR8204C1019/U GAS VALVE		
12	EA	73946	VR8204H1006/U GAS VALVE		
12	EA	73947	VR8204A2076/U GAS VALVE		

Honeywell VR8205 Direct Ignition Combination Gas Controls

Dual Automatic



Combination gas controls for use with hot surface/direct spark systems in 24 Vac, gas-fired appliances with capacities from 20 to 200 cfh. These controls include a manual valve, 2 automatic operators, and servo pressure regulator.

Model No.	Inlet-Outlet Size (In.)	A.G.A. Certified Capacity[1]		Pressure Reg. Setting		Type of Pressure Regulator	Type of Gas	Includes
		cfh	m3/hr	In. wc	kPa			
VR8205A 2024	1/2 x 1/2	150	4.3	3.5	0.87	Standard	Nat.	1/2" x 3/8" reducer bushing[2]
VR8205H 1003	1/2 x 1/2	150	4.3	3.5	0.87	Slow Opening	Nat.	---

[1] Capacities based on 1,000 BTU/Ft. 3,046 sp gr natural gas at 1" wc pressure drop (37.3 MJ/m3, sp gr natural gas at 0.25 kPa pressure drop).

[2] Use of 1/2" x 3/8" reducer bushing reduces capacity to 130 cfh (3.7 m3/Hr.)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73941	VR8205H1003/U GAS VALVE		
12	EA	73948	VR8205A2024/U GAS VALVE		

Honeywell VR8215 Direct Ignition Combination Gas Controls

Dual Redundant



For use in 24 Vac, 50/60 Hz, single-stage, direct-ignition, gas-fired appliances.

- Capacity: 15 to 200 cfh natural gas
- Multiposition: Can be mounted in any direction
- Swing Radius: 2.35 "
- Temperature Range: -40° to 175° F

Model No.	Inlet-Outlet Size (In)	Pressure Regulator Setting (In. wc)	Regulator Type	Includes
VR8215S 1503	1/2 x 1/2	3.5	Standard	Natural to LP Conversion Kit
VR8215T 1502	1/2 x 1/2	3.5	Slow Opening	Natural to LP Conversion Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73963	VR8215S1503/U DIRECT IGNITION GAS VALVE		
12	EA	73967	VR8215T1502/U DIRECT IGNITION GAS VALVE		

Honeywell VR8300A Combination Gas Controls



Continuous pilot dual automatic valve combination gas control, 24V. For standing pilot appliances with capacities for 30 to 300 cfh.

VR8300C: Step Opening AGA Design Certified.

Model No.	Inlet-Outlet Size	Capacity[1] (cfh)	Pres. Reg. Setting (In. wc)	Kind of Gas	Includes
VR8300A 3500	1/2 x 3/4	190	3.5	Natural	393691 Natural to LP Gas Conv. Kit, One 3/4" x 1/2" Reducer Bushings[2]
VR8300A 4508	3/4 x 3/4	200	3.5	Natural	393691 Natural to LP Conv. Kit, Two 3/4" x 1/2" Reducer Bushing[2]
VR8300C 4506	3/4 x 3/4	190	3.5	Natural	3/4" x 1/2" Reducer Bushing

[1] Rated at 1 w.c. p.d. Natural gas.
[2] Use of 3/4 x 1/2" reducer bushing reduces capacity to 180 cfh (5.1 m3/hr.)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73515	VR8300A3500/U GAS VALVE		
12	EA	73516	VR8300A4508/U GAS VALVE		
12	EA	73961	VR8300C4506/U COMB GAS CONTROL		

Honeywell VR8304 Dual Automatic Gas Control



Combination gas control for use in 24 Vac, gas-fired, intermittent pilot appliances with capacities from 30 to 415 cfh.

Model No.	Inlet-Outlet Size (In.)	A.G.A. Certified Capacity[1]		Pressure Reg. Setting		Type of Pressure Regulator	Type of Gas	Includes
		cfh	m3/hr	In. wc	kPa			
VR8304H 4503	3/4 x 3/4	300	8.5	3.5	0.87	Slow Opening	Nat.	393691 Nat. to LP gas conversion kit
VR8304M 4507	3/4 x 3/4	300	8.5	3.5	0.87	Standard	Nat.	Two 3/4 x 1/2" reducer bushings; 393691 Nat. to LP conversion kit

[1] Capacity based on 1,000 BTU/Ft.3, 0.64 specific gravity natural gas at 1" wc pressure drop.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73949	VR8304M4507/U COMB GAS CONTROL		
12	EA	73958	VR8304H4503/U COMB GAS CONTROL		

Honeywell VR8345 Universal Electronic Ignition Gas Control

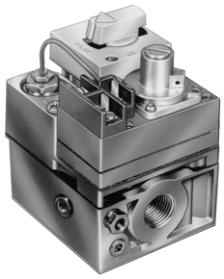


Universal electronic ignition gas valve replaces virtually all standard-opening IP, HSI, or DSI valves. Highest capacity (415,000 BTU max. reg., N.G.) of any electronic ignition valve in the industry.

Uses 2 simple adapters to convert between IP and HSI/DSI applications. 3/4 x 3/4 Inlet-Outlet size.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73520	VR8345M4302/U UNIVERSAL GAS VALVE		
12	EA	73522	VR8345Q4563/U TWO STAGE GAS VALVE		

Honeywell VS820A Family Combination Gas Control



This self-powered automatic control provides complete control of gas-fired central furnaces and boilers. Use with 750 mV pilot generator. Externally removable Pilotstat power unit; pilot flow adjustment screw. Complete safety shutoff on pilot flame failure. Lite-Rite (Off Pilot-On) lighting sequence.

These combination gas controls are easy to install, adjust, and service. Gas cock knob, wiring connections, pressure regulator, pilot gas adjustments, and thermocouple connection are all on top of control for easy access. Valve operators and pressure regulators are easily replaced with a screwdriver.

Model No.	Inlet-Outlet Size (In.)	A.G.A. Certified Capacity		Pressure Reg. Setting		Type of Gas	Includes
		cfh	m^3/hr	In. wc	kPa		
VS820A 1054	3/4 x 3/4	335	9.5	3.5	0.87	Nat.	Two 3/4 x 1/2" and One 1/2 x 3/8" Reducer Bushings Adapters[2]

[1] 1,000 BTU/Ft.3, 0.64 sp gr natural gas at 1 wc pressure drop (37.3M J/m3, 0.64 sp gr nat. gas at 0.25 kPa press. drop).

[2] Use of reducer bushings resulting in 3/4 x 1/2" inlet-outlet size reduces capacity to 225 cfh (6.4m3/Hr.); use of reducer bushings resulting in 1/2 x 3/8" inlet-outlet reduces capacity to 110 cfh (3.1m3/Hr.).

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	73950	VS820A1054/U GAS CONTROL		

Honeywell WT8840 Water Heater Control



The WT8840 is designed for use in a standing pilot application using an immersion well for water temperature sensing. The temperature sensor reads water temperatures within the appliance up to 221° F.

Model Number	Honewell Part Number	Bradford White Part Number
WT8840A1000/U	WV8840A1000	222-47463-01A
(1 in. Insulation)	WV8840A1001	222-47463-01E
WT8840A1500/U	WV8840A1050	222-47463-02A
(2 in. Insulation)	WV8840A1051	222-47463-02E

Specifications

- **Temperature Rating**
  Ambient: 32° F to 150° F
  Thermal Cut Out Limit: 189° F
- **Setpoint Temperature Range:** 55° F to 155° F
- **Pressure Regulator Setting (psi):** 4.0 in. wc

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	73959	WT8840A1000/U 1" BRADFORD WHITE WATER HEATER GAS VALVE	
6	EA	73960	WT8840A1500/U 2" BRADFORD WHITE WATER HEATER GAS VALVE	

700-400 Series Gas Controls

24 Volt Combination Gas Valves



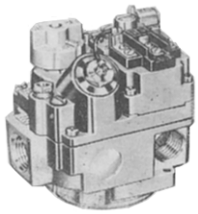
The 700-400 Series feature a manual valve (gas cock), an automatic pilot valve, inlet/outlet screens, pilot outlet, pilot gas filter, and pilot adjustment key. The control can be mounted in any position except upside down. The automatic pilot valve is separate from the gas cock and provides gas shut-off in case of pilot outage.

Electrical Rating: 12 VDC–0.18amps, 24VAC–0.2amps, 50/60 Hz
Pilot Outlet: 1/4 Tubing
Gas Cock Dial Marking: Off-Pilot-On
Terminal Type: Combination Screw/Spade
Ambient Temperature: -40° to 175° F
Maximum Inlet Pressure: 14" w.c. (1/2 Psi)

Model No.	Factory Model	Inlet Size (In)	Pressure Regulator Setting	Capacity	Outlet Size (In)	Reducer Bushing (NPT)	Side Outlets
700-402	7000BER	1/2	Uni-Kit	240,000	3/4	1	1/2"
700-406	7000BER	3/4	Uni-Kit	300,000	3/4	2	Straight-thru
700-442	7000ERHC-57C	1	3.5" W.C. Nat. Gas	720,000	1	None	Straight-thru

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77249	700-402 R/S COMBINATION VALVE	
1	EA	77251	700-406 R/S COMBINATION VALVE	
1	EA	77252	700-442 R/S COMBINATION VALVE	

700-500 Series Gas Controls



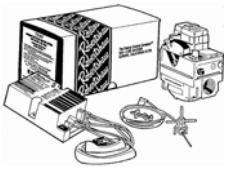
700 millivolt heating gas burner controls.
Electrical Rating: 250 MV to 750 MV
Pressure Regulator Operating Range (Optional by Model): Factory set @ 3.5" W.C.
Pilot Outlet: 1/4" tubing.
Ambient Temperature: -40° to 175° F
Max. Inlet Pressure: 14" W.C. (1/2 PSI)
Gas Cock Dial Marking: Off-Pilot-On
Terminal Type: 1/4" Spade

Model No.	Factory Model	Inlet Size FPT	3-Position Outlet		Pressure Regulator Setting	Capacity[1]
			Straight Through FPT	Side FPT with Plugs		
700-506	7000MVR	3/4	3/4	Straight-Thru	3.5" W.C. Nat. Gas	300,000

[1] 1000 BTU/Cu. Ft. 0.64 sp. Gr. Natural gas or 2500 BTU/Cu. Ft. 1.53 sp. Gr. L.P. gas @ 1" W.C. pd.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77258	700-506 R/S COMBINATION VALVE	

712 Series Flame Rectification Kits



Model 712-016

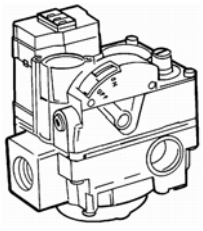
Natural gas only, non-lockout, and pressure regulator is factory-set at 3.5" W.C. Field adjustable 3" to 7" W.C
Gas Valve: 7000D (700-056) 3/4" x 3/4"
Ignition Unit: SP715 (780-715) Non-lockout.
CAUTION: Do not use on L.P. gas applications.

Model 712-017

Natural gas only, non-lockout, and pressure regulator is factory-set at 3.5" W.C. Field adjustable 3" to 7" W.C.
Gas Ignition: 7100D (700-070) 1/2" x 3/4"
Ignition Unit: SP715 (780-715) non-lockout.
CAUTION: Do not use on L.P. gas applications.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77215	712-016 3/4 IN X 3/4 IN R/S IGNITION SYSTEM	
1	EA	77216	712-017 1/2 IN X 3/4 IN R/S IGNITION SYSTEM	

720 Series Pilot Ignition Gas Valve



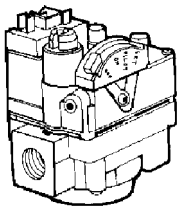
The 720 Series Valves are designed for intermittent pilot ignition applications. The valve incorporates a manual valve, pilot valve, dual automatic valves (2), and a main gas pressure regulator.

The 720 Series Valves are designed for many residential applications such as central heating units, space heaters, wall heaters, boilers, and mobile home furnaces. The valves have a compact swing radius of only 3-9/16" to enable it to fit a wide range of OEM replacement applications.

All the wiring connections, manual selector, and adjustments are readily available on the top of the control.
Inlet Size: 1/2"
Outlet Size: 3/4"
Electrical Rating: 24Vac, 50/60 Hz., .45 amp
Ambient Temperature Range: -40 to +175° F
Maximum Inlet Pressure: 14" w.c. (1/2 PSI)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77243	720-079 R/S GAS VALVE	

720 Series Dual Valve Gas Controls



The 720 Series Dual Valve Gas Controls are designed for a wide variety of heating applications and can be used to replace most constant pilot valves, including dual valve (six function) model.

The 720 Series constant pilot gas valve is a six function valve incorporating a manual valve, safety shutoff magnet, dual automatic valves, main gas regulator, and pilot adjustments.

The 720 Series feature an integral manual selector used to select from the 4 gas flow positions: Off, On, Pilot, and Set. The Set position provides pilot only gas flow during magnet energizing and lock up. Built-in stops serve to prevent accidental setting to the Off position.

The wiring connections, manual selector, and adjustments are easily accessible on top of the valve. With a 3-9/16" swing radius, the 720 series lends itself well to replacing OEM valves. Controls are multiposition and can be mounted in any position (except upside down).

Electrical Ratings: 24Vac, 5 amps, 50/60 Hz
Ambient Temperature: -40 to 175° F
Maximum Inlet Pressure: 14" w.c. (1/2 PSI)

Model No.	Factory Model	Inlet Size (FPT)	Outlet Size (FPT)	Straight Through	Side Outlet 1/2" FPT with Plugs	Pressure Regulator Setting	Capacity*	Reducer Bushings Included
720-400	7200ER	1/2"	3/4"	X		UNI-KIT	150,000	(1) 3/4"x 1/2" (1) 1/2" x 3/8" (1) 3/4" x 3/8"
720-402	7200ER	1/2"	3/4"		X	UNI-KIT	150,000	(1) 3/4" x 1/2"
720-406	7200ER	3/4"	3/4"	X		UNI-KIT	150,000	(2) 3/4" x 1/2"

* 1,000 BTU/Cu. Ft. 0.64 Sp. Gr. natural gas, or 2,500 BTU/Cu./Ft. 1.53 sp. gr. L.P. gas @ 1" W.C. pd.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77244	720-400 R/S GAS VALVE	
1	EA	77245	720-402 R/S GAS VALVE	
1	EA	77246	720-406 R/S GAS VALVE	

780 Series Gas Ignition Controls



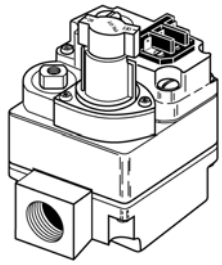
780-002/780-735
This kit has a lockout feature to shut off all gas to the furnace should pilot ignition fail to occur after a predetermined time period. The 780-002 provides 3 tries for ignition, each ignition period is 90 seconds followed by a 6 minute time delay between ignition attempts. After 3 tries if no pilot flame is sensed, unit goes into lockout and must be reset at the thermostat.

780-715
The automatic recycle features assure that in the event of flame failure main gas is disabled and the spark repetition sequence is restarted until pilot gas is ignited. Only after pilot ignition has been re-established can main gas be returned to the burner.

Replaces one rod and/or two rod systems.
Reduces truck stock inventory, saving space and money.
Induces vent damper adaptor assembly.
Easy to install with complete in-depth installations instructions.
Input Voltage: 24 VAC to 50/60 Hz
Transformer: 24 VAC/20 VA
Pilot Valve, Main Valve: 1.5 at .4 PF
Spark Rate: 3 to 4 sparks per second

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77202	780-715 GAS IGNITION CONTROL REPLACES SP-715 (ARMSTRONG)	
1	EA	77203	780-002 GAS IGNITION CONTROL REPLACES SP-735 (ARMSTRONG)	
1	EA	77201	780-735 GAS IGNITION CONTROL	

36C Gas Valves



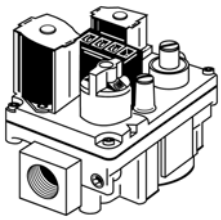
For general purpose replacement. Valve may be mounted in any position except upside down. Both main valve seat and line-interrupter seal with line pressure, assuring positive gas seal-off. Inlet screen, pilot gas filter and top operated main valve provide maximum protection against chips and dirt. Gas cock knob, pilot adjust screw and regulator adjustment are on top of control.

Electrical Rating: 0.23 amps
Ambient Operating Range: -40 to +175° F.
Maximum Pressure Rating: 1/2 PSI (14.0" W.C.)
Pilot Gas Connection: 1/4" compression fitting furnished.
Pressure Tap: 1/8" NPT.
Coil Voltage: 24 VAC

Model No.	Applicatin	Inlet-Outlet Pipe Size (In.)	Reducer Bushing Kit Furnished	Opening Characteristic	1" Pressure Drop Capacity (Nat Gas) BTU/Hr.
36C03-300	Standing Pilot	1/2 x 3/4	Yes	Fast Open	230,000
36C03-333	Standing Pilot	1/2 x 3/4	Yes	Fast Open	230,000
36C03-433	Standing Pilot	3/4 x 3/4	Yes	Fast Open	280,000
36C94-303	Intermittent Ignition	1/2 x 3/4	No	Delay Slow	230,000

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75526	36C03-300 1/2IN X 3/4IN GAS VALVE (NAT/LP)		
1	EA	75527	36C03-333 1/2IN X 3/4IN GAS VALVE (NAT/LP)		
1	EA	75528	36C03-433 3/4 X 3/4 GAS VALVE (NAT/LP)		
1	EA	75820	36C94-303 1/2IN X 3/4IN 24VAC GAS VALVE		

White-Rodgers 36E Gas Valves



The 36E Redundant Gas Valve is a compact multifunction valve designed to meet the requirements for use with all types of intermittent ignition systems (cycle-pilot, proven pilot, direct spark ignition and hot surface ignition).

Features

- Poppet style manual valve (capable of withstanding high inlet pressures).
- Conical inlet and outlet screens protected from pipe damage.
- Direct acting solenoid valve with high sealing force.
- Controlled gasket clinch between castings to withstand high inlet pressures.
- May be mounted horizontal, vertical and 90° from horizontal.
- Electrical Ratings: 0.54 amps.
- Regulator Adjustment Range: Natural gas, 2.5 to 5.0" W.C.
- L.P. gas, 7.5 to 12.0" W.C.
- Ambient Operating Range: -40 to +175° F.
- Maximum Pressure Rating: 1/2 PSI (14.0" W.C.)

Model No.	Capacity A.G.A. Standard Gas	Electrical Connection	Regulator Setting (In. W.C.)	Step Opening	Gas Type	System Usage	Reducer Bushing Kit	Side Taps
36E86-302	140,000	F115-0087	3.5	Fast Open No Step	Natural	Cycle Pilot	Yes	Yes

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75597	36E86-302 1/2IN X 3/4IN GAS VALVE (NATURAL)		

White-Rodgers 36H Gas Valves



The 36H series combination gas valve is designed with redundant and main solenoid valves that control gas flow to the main burners, a pressure regulator to maintain a constant outlet pressure, and a two position on/off switch for electrical shutoff.

Type of Gas: Natural Gas
Ambient Temperature: -40° to 175° F
Pressure Rating: 14" W.C. (1/2 PSI) max.
Voltage: 24 VAC
Frequency: 50/60 Hz
Stages: Single
Proven Pilot: Yes
Pressure: Natural
Regulator: 2.5-5.0" W.C.
Pipe Size: 3/4" x 3/4" NPT
Capacity (BTU/Hr) at 1" Pressure Drop Across Valve: 300,000

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75781	36H32-304 1/2IN X 3/4IN 24 VAC GAS VALVE		
1	EA	75782	36H33-412 3/4IN X 3/4IN 24 VAC GAS VALVE		
1	EA	75822	36H32-423 3/4IN X 3/4IN 24V NAT/LP UNIVERSAL GAS VALVE		
1	EA	75823	36H64-463 3/4IN X 3/4IN 24V 2 STAGE GAS VALVE		

White-Rodgers 36J Series Gas Valves



The 36J is a combination gas control valve designed for use with non-piloted intermittent ignition systems. The control is designed to meet today's maximum capacity, smaller size and high efficiency gas systems.

Features

- Inlet and outlet screens.
- Quiet redundant
- Built-in pressure tap
- Quick-connect terminals (1/4")

Type of Gas: Natural gas
LP gas (conversion kit included)
Ambient Temperature: -40 to 175° F
Max Pressure Rating: 1/2" PSI (14.0" W.C.)
Electrical Rating:
Single-stage 24V, 50/60Hz at .3A
Two-stage 24V, 50/60Hz at .43A

Model Number	Opening Characteristic	Regulator Setting	Regulator Adjustment Range		Flow Direction	Reducer Bushing Kit
			Natural	LP		
36J22-214	Fast Opening	3.5"	2.5"-5.0"	7.0"-12.0"	Straight Through	Yes
36J24-214	Slow Opening	3.5"	2.5"-5.0"	7.0"-12.0"	Straight Through	Yes
36J54-214	2-Stage, Fast Opening	Low 1.5", High 3.5"	2.5"-5.0"	6.0"-12.0"	Straight Through	Yes
36J55-214	2-Stage, Slow Opening	Low 1.5", High 3.5"	2.5"-5.0"	6.0"-12.0"	Straight Through	Yes
36J24-614	2-Stage, Slow Opening	3.5"	2.5"-5.0"	7.0"-12.0"	90° Bottom Outlet	No
36J55-614	2-Stage, Slow Opening	3.5"	2.5"-5.0"	6.0"-12.0"	90° Bottom Outlet	No

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75839	36J22-214 1/2IN X 1/2IN SNGL STG UNIVERSAL COMBINATION GAS VLV		
1	EA	75837	36J24-214 1/2IN X 1/2IN UNIVERSAL COMBINATION GAS VALVE		
1	EA	75841	36J54-214 1/2IN X 1/2IN 2STG COMBINATION GAS VALVE		
1	EA	75842	36J55-214 1/2IN X 1/2IN 2STG COMBINATION GAS VALVE		
1	EA	75840	36J24-614 1/2IN X 1/2IN SNGL STG COMBINATION GAS VALVE		
1	EA	75843	36J55-614 1/2IN X 1/2IN 2STG COMBINATION GAS VALVE		

White-Rodgers 37C Water Heater Gas Valves



- Automatic shut-off of main and pilot gas in the event of pilot failure
- Built-in E.C.O. (Energy Cut Off) non-cycling high limit
- Pilot gas cock with safe lighting feature and filter temperature adjustment
- Manifold pressure tap

Inlet Size: 1/2" NPT
Outlet Size: 1/2" inverted flare
Outlet Adapter Fittings: 1/2" inverted flare x 3/8" NPT reducer
Adapter: 1/2" x 1/2" inverted flare outlet extension adapter
Mounting: 3/4" NPT, 4-1/2" bulb insertion length
Pilot Connection: 1/4" compression fitting

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75826	37C73U-170 1/2IN N.P.T. INLET NAT GAS ONLY WATER HEATER CONTROL		
1	EA	75827	37C73U-173 1/2IN N.P.T. INLET NAT GAS ONLY WATER HEATER CONTROL		

Jackes-Evans Valves and Coils



Select one valve body MM number and one coil MM number to make a complete assembly. These valve bodies and coils cannot be interchanged with the "J" series valves.

Application Group

Group A: Water, air, light oils, Nos. 1 and 2 fuel oil, industrial gas, brine, and other non-corrosive fluids at temperatures from -20 to +240 ° F.
Group C: Water and steam service at 240° F, 1 to 10 psi steam.



Diaphragm Symbol Identification

T-F: Teflon Coated Fiberglass
B-N: Nylon Reinforced BUNA "N"

Valve Selection Chart

Model No.	Application Group	Connector (In.)	Orifice (In.)	Differential Op. Pressure		CV	Max. Temp.(°F)	Diaphragm	Watts AC
				Min.	Max.				
GP200	A	1/4 NPT	5/16	1	150	.98	225	B-N	9
GP400	A	1/2 NPT	1/2	1	150	3.60	225	B-N	9
GP407	C	1/2 NPT	1/2	1	150	3.60	240	T-F	9
GP600	A	3/4 NPT	3/4	1	150	7.40	225	B-N	9
GP607*	C	3/4 NPT	3/4	1	150	7.40	240	T-F	9
GP10	A	1 NPT	1	1	150	12.20	225	B-N	9

* Supplied with stainless seats as standard.

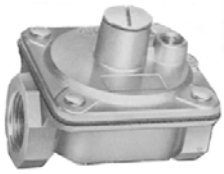
GP Valve Bodies

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77538	GP200 1/4IN JE VALVE	
1	EA	77543	GP400 1/2IN JE VALVE	
1	EA	77544	GP407 1/2IN JE VALVE	
1	EA	77546	GP600 3/4IN JE VALVE	
1	EA	77547	GP607 3/4IN JE VALVE	
1	EA	77549	GP10A 1IN JE VALVE	

G23 Coils

1	EA	77558	G23 24V JE COIL	
1	EA	77559	G23 110-120V JE COIL	
1	EA	77560	G23 208-240V JE COIL	

RV-48 Pressure Regulator



Capacities: to 230 CFH
Inlet Pressure: to 1/2 PSI
Outlet Pressure: 3 to 6" w.c.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75649	RV48-44-0046 1/2IN POPPET DESIGN PRESSURE REGULATOR	

RV52, RV53, and RV81 Pressure Regulators



Maximum Op. Inlet Pressure: 1/2 PSI.
Outlet Pressures: 3.0 to 6.0" w.c.
Temperature Limits: -40 to +205° F.

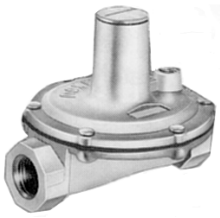
Model No.	Pipe Size	A.G.A. Max.	Pressure Drop* (inches w.c.)									
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
RV52	1/2 x 1/2 3/4 x 3/4	450	151	214	262	302	338	370	400	427	453	
RV53	1 x 1	710	217	306	375	433	484	530	573	612	650	684
RV81	1-1/4 x1-1/4	2500	780	1102	1350	1559	1743	1909	2062	2204	2339	2465

* Capacities expressed in $ft.^3/h$-0.64 sp. gr. gas.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75650	RV52-44-015 1/2IN STRAIGHT-THRU-FLOW PRESSURE REGULATOR	
1	EA	75652	RV52-66-015 3/4IN STRAIGHT-THRU-FLOW PRESSURE REGULATOR	
1	EA	75653	RV53-88-0002 1IN STRAIGHT-THRU-FLOW PRESSURE REGULATOR	
1	EA	75655	RV81-1010-0014 1-1/4IN STRAIGHT-THRU- FLOW PRESSURE REGULATOR	

325 Appliance Pressure Regulators

Complies with CSA, 6.3 (ANSI Z 21.18)



A high performance regulator that can be used as a single-stage regulator reducing from pounds pressure to normal burning pressure, or as a first stage regulator of a 2-stage system on equipment already fitted with an appliance regulator.

For use on industrial pilots, commerical range, baking ovens, large water heaters, boilers, unit heaters, steam generators, and furnaces.

Inlet Pressures: to 10 PSI
Outlet Pressures: 2 in. w.c. to 2 PSI
NOTE: *These regulators provide no downstream over pressure protection in the event of failure. They should not be used if the appliance that controls downstream will not safely contain gas when exposed to supply pressure. Suitable for dead-end lock-up.*

Model No.	Pipe Size	Pressure Drop (In.)						Pressure Drop (PSI)		
		.3	.5	1.0	3.0	5.0	7.0	1/2	3/4	1
325-3	3/8 x 3/8	30	38	55	95	122	145	204	250	289
325-3	1/2 x 1/2	38	38	55	95	122	145	204	250	289
325-5	1 x 1	70	90	128	221	286	338	476	583	673
325-5A	3/4 x 3/4	70	90	128	221	286	338	476	583	673

NOTE: Capacities are expressed in ft3/h; 0.64 sp. gr. gas.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75656	325-3-33-0013 3/8IN LEVER ACTING CERT TO 5 PSI APPLIANCE REGULATOR	
1	EA	75654	325-3-44-0008 1/2IN LEVER ACTING CERT TO 5PSI APPLIANCE REGULATOR	
1	EA	75666	325-3-44-0043 1/2IN 5IN-9IN SPRING 2PSI REGULATOR	
1	EA	75701	325-5-88-0003 1IN ANSI Z21.18 CERTIFIED APPLIANCE REGULATOR	
18	EA	75659	325-5-66-0003 3/4IN LEVER ACTING CERT TO 5 PSI APPLIANCE REGULATOR	

*For use on systems under 250,000 BTU.

325 Line Pressure Regulators

CSA Certified (ANSI Z21.80)



- Designed for multi-poise mounting
- Self-aligning valve with lever action for dead end lockup
- Durable, corrosion-resistant construction
- High performance type for pounds to inches reduction

Inlet Pressure: 2 psi
Outlet Pressure Range: 7 to 11 inches w.c.
Gases: intended for application in natural and LP gas piping systems up to 2 psi
Ambient Temperature Limits: -40° to 205° F

Model Number	Pipe Size	Outlet Pressure Set Point (w.c.)	Operating Inlet Pressure (psi)					Pressure Drop (In W.C.)	Pressure Drop (psi)		
			1/2	3/4	1	1-1/2	2	7.0	1/2	3/4	1
325-3L	1/2 x 1/2	10.0	110	180	230	250	250	338	204	250	289
325-5L	3/4 x 3/4	7.0	335	475	550	550	550	338	476	583	673
		10.0	250	420	535	550	550				

* 0.64 sp gr gas expressed in CFH (m^3h)

Line Pressure Regulators

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75831	325-3L-44-NG02 1/2IN ANSI Z21.80 CERT TO 2PSI LINE REGULATOR	
1	EA	75832	325-5L 3/4IN ANSI Z21.80 CERT TO 2PSI LINE REGULATOR	

Vent Protectors

1	EA	75833	13A15 325-3L VENT PROTECTOR OUTDOOR USE	
1	EA	75834	13A15-5 325-AL VENT PROTECTOR OUTDOOR USE	

R500S Valve Regulator



These regulators are designed for use with infra-red heaters and pilot lines on large industrial heaters and boilers. They may also be used in residential applications.

The design of the valve regulator features double diaphragm balanced valve construction. Intended for use with both main burner and pilot load applications.

Maximum Inlet Pressure: .5 psi.
Outlet Pressures: to 30" w.c.
NOTE: These regulators are not suitable for dead-end lock-up service. They are capable of controlling pressure at very low flows such as standing pilot, but should not be used as a first cut regulator for appliances equipped with electronic ignition.

Model No.	Pipe Size	Pressure Drop										
		0.2"	0.4"	0.6"	0.8"	1.0"	1.5"	2.0"	2.5"	3.0"	3.5"	4.0"
R500S	3/4 x 3/4	196	277	340	392	438	537	620	693	760	820	876

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75658	R500S-66-0015 3/4IN X 3/4IN BALANCED VALVE REGULATOR	

Outdoor Vent Protectors

Use on vent opening to protect breather hole from rain, snow, foreign particles, and insects. Must be mounted in an upright position.



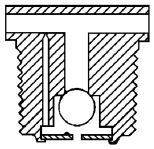
13A15 (1/8" NPT)



13A15-5 (3/8" NPT)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75833	13A15 325-3L VENT PROTECTOR OUTDOOR USE	
1	EA	75834	13A15-5 325-AL VENT PROTECTOR OUTDOOR USE	

Vent Limiting Devices



12A04: Automatic safety vent limiting device. Ball check permits free inhalation for fast regulator-diaphragm response, on open cycle, but limits gas escapement to safe limits should a diaphragm rupture. Satisfies ANSI Standards for both Class I and II service, natural, and LP gas. Use on RV48, RV52, RV53, and RV61 regulators.
Escapement rate: 1.55 CFH natural gas @ 21" w.c. or 1.0 CFH maximum LP gas @ 21" w.c.
Color: Brass.
Orifice: #78 drill.



12A06 Fixed orifice equally limits inhalation and escapement. Orifice hole is on side of body under head. Use on RV48, RV52, RV53, and RV61 regulators.
Escapement Rate: 1.5 CFH natural gas @ 21" w.c. or 1.0 CFH maximum LP gas @ 21" w.c.
Color: Brown.
Orifice: #78 drill.



12A09: May be used in multi-poise mounting but to achieve quick regulator response it must be mounted in an upright position. Satisfies ANSI Standards for Class III service for natural gas.
Escapement Rate: 1.0 CFH maximum @ 2 psi LP and 5 psi natural with 325-3 and 325-3L.
Color: Green.
Orifice Diameter: 0.0087"



12A39: Automatic vent limiting device for use on 325-5A and 325-5AL Pressure Regulators. Ball check permits free inhalation for fast regulator diaphragm response on opening cycle, but limits gas escapement to within ANSI standards should a diaphragm rupture. 3/8 NPT.
Color: Brass.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75661	12A04 OPTIONAL VENT LIMITING DEVICE FOR RV48-RV52-RV53 INDOOR USE	
1	EA	75662	12A06 OPTIONAL VENT LIMITING DEVICE FOR RV48-RV52-RV53 INDOOR USE	
1	EA	75663	12A09 OPTIONAL VENT LIMITING DEVICE FOR 325-3 INDOOR USE	
1	EA	75664	12A39 OPTIONAL VENT LIMITING DEVICE FOR 325-5A INDOOR USE	

Regulators

Propane Only



LV4403B4 Low Pressure Regulator

Designed to reduce first-stage pressure of 5 to 20 PSIG down to burner pressure, normally 11" w.c. Ideal for medium commercial installations, multiple cylinder installations, and normal domestic loads.

- Inlet Connection: 1/2" F NPT
- Outlet Connection: 1/2"

LV4403TR4 High Pressure Regulator

Provides accurate first-stage regulation in two-stage bulk tank systems. Reduces tank pressure to an intermediate pressure of 5 to 10 PSIG. Used to supply high pressure burners for applications like industrial furnaces or boilers.

- Inlet Connection: 1/2" F NPT
- Outlet Connection: 1/2" F NPT

LV4403TR9 Residential Regulator

Provides accurate first-stage regulation in two-stage bulk tank systems. Reduces tank pressure to an imtermediate pressure of 5 to 10 PSIG. Used to supply high pressure burners for applications like industrial furnaces or boilers.

- Inlet Connection: F POL
- Outlet Connection: 1/2" F NPT

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	75636	LV004403B4 2ND STAGE REGO REGULATOR	
10	EA	75637	LV004403TR4 INDUSTRIAL REGO REGULATOR	
10	EA	75702	LV004403TR9 RESIDENTIAL REGO REGULATOR	

SENSUS Gas Pressure Regulators



143



243



496

Sensus service regulators are designed to be installed in numerous mounting positions and are simple to adjust and service. The union nut style connection on the 143-80 makes it especially easy to adjust. These domestic and industrial service regulators can be used in a variety of applications such as factories, foundries, commercial laundries, hotels, schools, hospitals, etc.

Designed for use on all types of gas fueled equipment including boilers, burners, furnaces, ovens, heaters, kilns, engines, etc. Although mainly used with natural gas, they perform as well when used with LPG vapor, air, dry CO_2, nitrogen, and other inert gases. Not recommended for buried service.

Operating Temperature Range: -20 to 150°F

Regulators

Spring/Outlet Range (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6 to 14 w.c.	1	EA	75630	143-80-2 3/4IN REGULATOR 1/8IN ORIFICE	
6 to 14 w.c.	1	EA	75667	143-80-2 3/4IN REGULATOR 5/16IN ORIFICE	
6 to 14 w.c.	1	EA	75631	143-80-2 1IN REGULATOR 1/8IN ORIFICE	
6 to 14 w.c.	1	EA	75668	143-80-2 1IN REGULATOR 5/16 ORIFICE	
6 to 14 w.c.	1	EA	75632	143-80-2 1-1/4IN REGULATOR 3/16 ORIFICE	
6 to 14 w.c.	1	EA	75669	143-80-2 1-1/4IN REGULATOR 5/16IN ORIFICE	
6 to 14 w.c.	1	EA	75626	243-8-2 1-1/4IN REGULATOR 3/4IN ORIFICE	
6 to 14 w.c.	1	EA	75627	243-8-2 1-1/2IN REGULATOR 3/4IN ORIFICE	
6 to 14 w.c.	1	EA	75628	243-8-2 2IN REGULATOR 3/4IN ORIFICE	
6 to 14 w.c.	1	EA	75775	496 1/2IN STRAIGHT BODY REGULATOR 5/16IN ORIFICE	
6 to 14 w.c.	1	EA	75776	496 3/4IN STRAIGHT BODY REGULATOR 5/16IN ORIFICE	
6 to 14 w.c.	1	EA	75777	496 1IN STRAIGHT BODY REGULATOR 5/16IN ORIFICE	

Spring

For Use with Regulator No.	Outlet Pressure Range	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
143	12~B2 to 28~B2 w.c.	1	EA	75640	143-62-021-18 ORANGE SPRING	

Orifices

For Use with Regulator No.	Size (In.)	Material	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
143	3/8IN	Aluminum	1	EA	75646	143-62-023-44 3/8IN ORIFICE	
143	1/4IN	Aluminum	1	EA	75647	143-62-023-42 1/4IN ORIFICE	

Honeywell Q179A Flame Rectifier Gas Pilots



For intermittent or interrupted ignition; has both flame electrode and ignition electrode.
Combination rectifying flame rod and pilot burner.
For use with suitable electronic relay on industrial or commercial gas burners or gas pilot-ignited oil burners.

Includes natural gas orifice. For LP gas, use 47540 Orifice Assembly (order separately).
Primary-aerated type burner is equipped with stainless steel fins to stabilize flame and provide correct flame rod area to ground area ratio for maximum flame current. Compression coupling for 1/4" OD tubing. Uses Rajah electrical connectors.

Approximate Gas Consumption: 2 cu. ft./hr.
Mounting Means: Bracket with holes for side mounting, 2 lugs for end mounting.
Approximate Dimensions: 4-5/8" H x 1-11/16" W x 3" D.
U.L. Listed.
Industrial Risk Insurers (formerly FIA) acceptable.
Factory Mutual approved.
AGA certified.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	71270	Q179A1001/U FLAME RECTIFIER PILOT	
20	EA	71271	Q179A1092/U FLAME RECTIFIER PILOT	
20	EA	71272	Q179B1117/U FLAME RECTIFIER PILOT	

Honeywell Q313 Replacement Thermopile Generators



Q313U 3000

This universal thermopile combines all of the most popular accessories in one package. One model covers nearly any thermopile application. Generates 750mV in a millivolt heating system.

- Includes: Push-in clip, split nut, adapter assembly, and male nut connector for Pilotstat
- Connection: Spade terminal
- Lead Length: 35"

Q313A 1170

Provides power for a millivoltage, self-powered control system. Easy push-in installation.

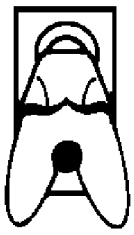
- Open Circuit Output: 600–750 mV
- Includes: 35" lead and PG9 adaptor.
- Used with Pilot Burner: Q314, 324, 327, 377, 379, and 382.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	71515	Q313A1170/U GENERATOR		
10	EA	71516	Q313U3000/U UNIVERSAL THERMOPILE GENERATOR		

Honeywell Q314A Pilot Burner



Q314A 4586



Q314A 4586
Tip Style

Nonprimary-aerated, insert orifice-type pilot burner for main burner ignition with Q340 or Q390 thermocouple for pilot stat safety control operation. Use with Q313 thermopile generator for 750 mV Powerpile applications.
Type of Gas: Natural, LP.
Mounting Bracket: B
Includes: Natural gas orifice, LP gas orifice, 1/4" cc inlet fitting, and special mounting bracket with screws for converting B Bracket.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	71521	Q314A4586/U PILOT BURNER		

Super Tradeline Model

Honeywell Q340A and Q390A Thermocouples



Q340 Universal Thermocouples

For gas-fired heating system applications. Replaces almost any 30 mV thermocouple.
Mounting Options: Screw-in type, clamp type, or push-in type.
Average Operating Life: 10 years.

Q390 Thermocouple

For use on gas-fired heating systems as an alternative to the Q340. Bottom lock design provides easy installation in most applications.
Average Operating Life: 5 to 7 years.

Thermocouple Pack*

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	74128	Y540A1004/U 100 PACK Q340A 36" THERMOCOUPLE	

* Pack includes 100 ea. 36" Q340A thermocouple, clips, furnace stickers, and universal adapters.

Q340A and Q390A Thermocouples

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 50
10	EA	74127	Q340A1074/U 24" THERMOCOUPLE			
10	EA	74129	Q340A1090/U 36" THERMOCOUPLE			
10	EA	74130	Q340A1108/U 48" THERMOCOUPLE			
10	EA	74133	Q390A1061/U 36" THERMOCOUPLE			

Q340A 1090 and Q340 1108 are Super Tradeline Models.

Honeywell Q345A Igniter-Sensor



Q345A 1305



Q345A 1305 Tip Style

Nonprimary-aerated combination pilot burner and igniter. Used with the S86, S860, S8610, or S8670 in intermittent pilot systems. Includes pilot burner with bracket, ceramic-insulated Kanthal flame rod/spark igniter, and ground strap.
Maximum Temperature Ratings:
At Electrode Tip: 1775° F.
At Ceramic Insulator: 1250° F.
Type of Gas: Natural.
Mounting Bracket: B.
Includes: 1/4" cc inlet fitting.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
120	EA	71526	Q345A1305/U IGNITER-SENSOR	

Super Tradeline Model

Honeywell Q347 Spark Igniter



The Spark Igniter consists of an inner Kanthal electrode with ceramic insulator, bracket, and Kanthal ground strap. It produces spark for ignition of main burner.
Spark Gap: 5/32"
Wiring Connection: 1/4" stud.

Mounting Means: One 3/16" slot and three 3/16" untapped screw holes.
Mounting Position: Vertical.
Maximum Temperature Ratings:
At Electrode Tip: 1775° F.
At Ceramic Insulator: 1250° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	71540	Q347A1004/U SPARK IGNITER	

Honeywell Glowfly™ Universal Hot Surface Igniter



Glowfly is made from silicon nitride and is less prone to breakage when used in challenging installs. The Glowfly's optimized form factor enables quicker, easier service calls. With six custom designed brackets and their seven configurations, it fits most replacement igniter applications.

Q3200U Igniter Bracket Replacement Cross Reference[1]

Manufacturer	OEM #	Q3200U Bracket
American Road Equip.	201W	A
Arco Air	1096048	D
	1380680	
Armstrong Air	38322B001	A
Carrier/Bryant/Payne	LH33ZS001	B or E[2]
	LH33ZS001A	
	LH33ZS002	
	LH33ZS002A	
	LH33ZS003	
	LH33ZS003A	
	LH33ZS004	
Clair Bros.	C-238	A
	C242	
Coleman	1474-051	A
	1474-052	
Comfort Maker	1096048	D
Detroit Radiant	201D	A
DMO Ind.	20834	A
Dornback Furnace	271W	A
Ducane	20015201	B
Enero Tech	10399	A
Evcon	1474-051	A
	1474-052	
Evcon Coleman	025-32625-000	B
Goodman	B1401009	D
	B1401018	C
	B1401018S	D
HB Smith	50018	A
Heil	1096048	D
Hupp Industries	09050	A
Intercity	1009604	D
	1096048	
Majestic	75-92-104	A
	75-92-105	
Metzger	201N	A
	201W	

Manufacturer	OEM #	Q3200U Bracket
Modine	5H76032A	C
Mor-Flo	3200618	A
	511-330-193	B
Nordyne	105141000	A
	632-0770	
	632-0880	
Norton/St Gobain	201	B
	271	
	201D	A
	201K	
	201L	
	201N	
	201R	
	201W	
	271N	
	271NM	D
	271P	A
	271W	
Raypak	600915	B
Rheem	62-22441-01	A
Roberts Gordon	90434300	B
	90436600	A
Robertshaw	41-402	A
	41-403	B
	41-404	B
	41-405	A
	41-407	B
	41-408	A
	41-409	B
	41-410	A
	41-412	D
	41-418	C
Snyder General	1380654	B
	1380672	
	1380680	
Superior Fireplace	94851	A

Manufacturer	OEM #	Q3200U Bracket
Tempstar	1096048	D
Trane	340039P01	A
	B138196P01	B
	B144676P01	A
	B144676P02	B
	B340039P01	A
	IGN23	A
	IGN26	B
	IGN30	B
	IGN34	A
Viessman	9302-094	A
	62821-001	A
	62821-002	
Weil-McLain	511-330-139	B
	511-330-190	
	511-330-193	
White LB	12-07549	A
White-Rodgers	767A-301	A
	767A-303	F
	767A-306	A
	767A-311	
	767A-350	
	767A-353	F
	767A-354	A
	767A-357	F
	767A-361	A
	767A-364	
	767A-366	
	767A-370	B
	767A-371	A
	767A-372	A
	767A-373	D
	767A-376	B
	767A-377	A
	767A-382	B
Williamson	9050	A
York	025-27766-000	A
	025-27774-000	
	025-29043-000	
	025-29050-000	

[1] Date subject to change without notice.

[2] For Carrier sealed combustion furnaces, you must use bracket E and retain the existing orange gasket for use with bracket E.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	71509	Q3200U1004/U GLOWFLY UNIVERSIAL HOT SURFACE IGNITER	
6	EA	71510	Q3200U2002/U GLOWFLY UNIVERSIAL HOT SURFACE IGNITER 6 PACK	

White-Rodgers Standing Pilot Replacement Parts



3098



36C84



5059



760

BTUH: 335,000
Valve Capacity (At Pipe Size): 3/4" x 3/4"

CAUTION: Proper pilot burner placement is essential for safe operation, and smooth main burner ignition. UNDER NO CIRCUMSTANCES should the existing pilot burner be relocated, or an existing factory-installed shield be altered. If pilot burner replacement is necessary, use only the pilot burner approved for installation on that particular make and model appliance.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75558	3098-156 MERCURY FLAME SENSOR	
1	EA	75762	36C84-912 3/4IN X 3/4IN NATURAL GAS VALVE	
1	EA	75559	5059-23 PILOT RELIGHT CONTROL	
1	EA	75560	760-56 ELECTRODE & WIRE	

White-Rodgers 30A46 and 3046 Liquid Filled Gas Pilots



3046



30A46

30A46-5 contacts close approximately 60 seconds after pilot ignites and open 40 seconds after flame is out. 3046-5 prevents gas flow to main burners if pilot flame is insufficient. Contacts close approximately 60 seconds after pilot ignition and open 40 seconds after flame is out.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75520	3046-5 SCREW MERCURY FLAME SENSOR	
1	EA	75521	30A46-5 PLUG-IN MERCURY FLAME SENSOR	

White-Rodgers GO1A-332 Power Generator

Replacement for Honeywell Q313A1170 and General 101934



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75568	G01A-332 POWER GENERATOR	

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White-Rodgers 760-401 Flame Sensor



This flame sensor can be mounted remotely on multiple burner applications or adjacent to ignitor on other applications.

Features

- Alumina ceramic insultator
- Kanthal flame rod material that can withstand 1800° F
- Teflon insulated lead wire
- 30" lead length

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75593	760-401 HSI FLAME SENSOR	

White-Rodgers H06E Thermocouples

Universal Replacement



- Stainless steel element construction for prolonged thermocouple life
- Universal adapter fittings included with each kit for replacing thermocouple in most types of pilot burners
- Standard thermocouple 11/32" double lead thread
- Replaces Honeywell Q34A, Johnson K19, and Robertshaw 1980

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	75805	H06E-18 18IN 30MV UNIVERSAL THERMOCOUPLE	
10	EA	75806	H06E-24 24IN 30MV UNIVERSAL THERMOCOUPLE	
10	EA	75807	H06E-36 36IN 30MV UNIVERSAL THERMOCOUPLE	

White-Rodgers 21D64 HotRod™ Nitride HSI Kits

Universal



21D64-2



21D64-44

Features

- Upgrade silicon carbide integrated or non-integrated systems to long-lasting and durable nitride
- Robust ignitor design for longer life
- and fewer callbacks.
- Does not require a sparate power module.
- 5-year limited warranty.

Kit Includes

- Leads with stripped ends
  21D64-2: 15.5"
  21D64-44: 14.5"
- Two mounting brackets (one universal and one standard), 2 ceramic wire nuts, and one screw
- OEM cross-reference
- Nitride upgrade furnace label

Electrical Ratings

- Operating Voltage: 102–132 VAC, 60 Hz
- Max. Load: 3.0 A @ 132 V AC, 25° C
- Timing Rating: 17 second minimum
- Load Insulation Temp. Rating: 250° C

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75764	21D64 2 UNIVERSAL IGNITOR UPGRADE KIT	
1	EA	75924	21D64-44 120V HOTROD EX UNIVERSAL HOT SURFACE IGNITOR	
5	PKG	75784	21D64-5PK HOTROD UNIVERSAL HOT SURFACE IGNITOR	

White-Rodgers 768A Series Nitride Ignitors

OEM Replacements



768A-815

- 2 terminal AMP receptacle, 0.83 female sockets
- Replaces Trane A341947P01, 768A-015, A341990901



768A-844

- 2 terminal AMP receptacle, 0.84 female sockets
- Replaces Lennox 41K5601, 768A-4, 768A-844, and Rheem 62-24134-02.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75845	768A-844 80V SILICON NITRIDE HOT SURFACE IGNITOR	
1	EA	99353	768A-815 HOT SURFACE IGNITOR SILICON NITRIDE 80V	

White-Rodgers 767A Hot Surface Ignitors

- Provide 3 times more energy than standard pilot burners
- Rated at 200° C
- Useable with 15-, 17-**, or 45-second HSI systems**



767A-357



767A-361 (41-405/I405)



767A-369 (41-401)



767A-370 (41-403, 41-409)



767A-371 (41-402)



767A-372 (41-408)



767A-373 (41-412)



767A-374 (41-406)



767A-376 (41-407)



767A-377 (41-410)



767A-378



767A-381 (41-605)



767A-382 (41-404)



767A-383 (41-411)

Lead Insul. Temp. Rating	Electrical Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
200° C	Receptacle with .093 Male Pins	20	EA	75587	767A-357 5-1/4IN IGNITOR LEADS W/CONNECTORS	
200° C	Receptacle with .093 Male Pins	20	EA	75586	767A-361 (41-405/I405) 5-1/4IN LEADS WITH CONNECTORS IGNITOR	
200° C	Molex Int. Keyed Cnctr, .093 Male Pins	20	EA	75686	767A-369 (41-401) IGNITOR 5-1/2IN LEADS WITH CONNECTORS	
200° C	Receptacle with .093 Male Pins	28	EA	75687	767A-370 (41-403 & 41-409) IGNITOR 5-1/4IN LEADS WITH CONNECTORS	
200° C	Stripped Ends	28	EA	75688	767A-371 (41-402) IGNITOR 19-1/8IN STRIPPED LEADS	
200° C	Molex Side Lock, .092 Male Pins	28	EA	75689	767A-372 (41-408) IGNITOR 5-1/4IN WITH CONNECTOR	
200° C	Receptacle with .093 Male Pins	28	EA	75690	767A-373 (41-412) IGNITOR 5-1/4IN CONNECTOR WITH BRACKET	
200° C	Molex Front Lock, .092 Male Pins	28	EA	75691	767A-374 (41-406) IGNITOR 11IN WITH GASKET	
200° C	Molex Front Lock, .092 Male Pins	28	EA	75692	767A-376 (41-407) IGNITOR 4-1/2IN LEADS WITH CONNECTOR	
200° C	Amp 2-Pin Molex Connector	28	EA	75693	767A-377 (41-410) IGNITOR 4-1/2IN LEADS WITH CONNECTOR	
200° C	Matches Amana #20165702	20	EA	75844	767A-378 5.125" (+/-.5") LEADS IGNITOR MINI (0230K00001)	
200° C	Matches York #473-20937-001	20	EA	75796	767A-381 (41-605) (+/-1") 7 1/2IN LEADS IGNITOR	
200° C	Receptacle with .093 Male Pins	20	EA	75794	767A-382 (41-404) 5-1/4IN LEAD WIRE IGNITOR	
200° C	Molex Side Lock, .092 Male Pins	20	EA	75795	767A-383 (41-411) 5-1/4IN WIRE LEAD IGNITOR	

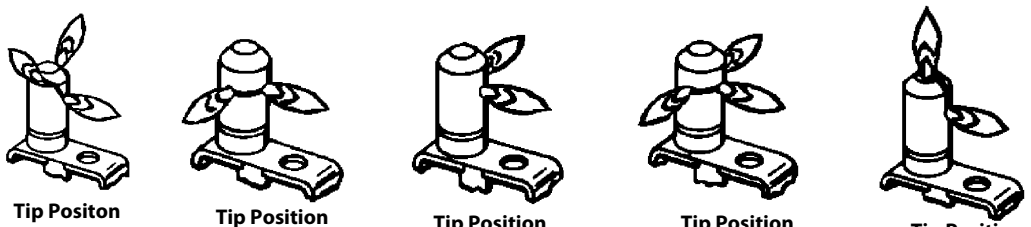
White-Rodgers Silicon Carbide Ignitor Cross Reference

Manufacturer	OEM #	Suggested Replacement
Amana	B1336102	767A-369
	D99182	767A-369
	1004601	767A369
American Appliance	271B	767A-374
American Road Equip.	201W	767A-371
Armstrong Air	38322B001	767A-371
Arco Air	1096048	767A-373
	1380680	767A-373
Carlin	87197S	767A-375
Carrier Corp.	LH33ZS001A	767A-370
	LH33ZS002	767A-370
Claire Brothers	C-238	767A-371
	C-242	767A-371
Coleman	1474-051	767A-371
	1474-052	767A-371
Comfort Maker	1096048	767A-373
Comfort Zone	150114-04-01	767A-374
Detroit Radiant	201D	767A-361
DMO Industries	20834	767A-371
Dornback Furnace	271W	767A-371
Ducane	20015201	767A-370
Enerco Tech	10399	767A-371
Evcon	1474-051	767A-371
	1474-052	767A-371
Goodman	B1401009	767A-373
HB Smith	50018	767A-361
Heil	1096048	767A-373
Hupp Industries	09050	767A-371
Intercity	1009604	767A-373
	1096048	767A-373
Majestic	75-92-104	767A-371
	75-92-105	767A-371
Metzger	201N	767A-371
	201W	767A-371
Mor-Flo	3200580	767A-374
	3200618	767A-371
	3210401	767A-374
Nordyne	105141000	767A-371
	632-0880	767A-371
	632-0770	767A-371
Norton	201	767A-370
	201A	767A-369
	201D	767A-361
	201J	767A-374
	201K	767A-371
	201L	767A-371
	201M	767A-374
	201N	767A-371
	201R	767A-371
	201W	767A-371
	201Y	767A-374
	271	767A-370
	271A	767A-369
	271P	767A-361
	271M	
	271N	
	271NM	
	271W	
	271Y	
Perfection Schwank	108803-G1	
Raypak	600915	
Rheem	62-22441-01	
	62-22441-01	
	62-22868-82	

Manufacturer	OEM #	Suggested Replacement
Robertshaw	41-401	767A-369
	41-402	767A-371
	41-403	767A-370
	41-404	767A-370
	41-405	767A-361
	41-406	767A-374
	41-407	767A-376
	41-408	767A-372
	41-409	767A-370
	41-410	767A-377
	41-411	767A-372
	41-412	767A-373
	41-413	767A-375
	41-414	767A-373
Roberts Gordon	90434300	767A-370
	90436600	767A-371
Snyder General	1380672	767A-370
	1380680	767A-370
	1380654	767A-370
Superior Fireplace	94851	767A-371
Tempstar	1096048	767A-373
Trane	B138196P01	767A-370
	B144676P01	767A-372
	B144676P02	767A-370
	B340039P01	767A-372
	340039P01	767A-371
	IGN23	767A-371
	IGN26	767A-370
	IGN26	767A-370
	IGN30	767A-370
	IGN30	767A-370
	IGN34	767A-372
Trianco-Heatmaker	2600-359	767A-369
Viessman	9302-094	767A-361
Wayne Home Eqpt.	62821-001	767A-371
	62821-002	767A-371
Weil-McLain	511-330-139	767A-370
	511-330-188	767A-374
	511-330-193	767A-370
	511-330-190	767A-370
White, LB	120-07549	767A-371
White-Rodgers	767A-301	767A-361
	767A-303	767A-357
	767A-306	767A-361
	767A-309	767A-356
	767A-310	767A-365
	767A-311	767A-366
	767A-350	767A-361
	767A-353	767A-357
	767A-354	767A-361
	767A-356	767A-356
	767A-357	767A-357
	767A-361	767A-361
	767A-364	767A-366
	767A-365	767A-365
	767A-366	767A-366
	767A-369	767A-369
	767A-370	767A-370
	767A-371	767A-371
	767A-372	767A-372
	767A-373	767A-373
	767A-374	767A-374
	767A-375	767A-375
Williamson	09050	767A-371
York	025-27766-000	767A-361
	025-27774-000	767A-361
	025-29043-000	767A-361
	025-29050-000	767A-361

BASO Gas Products LLC

J Series Combination Type D10 & D11 Pilot Burners



Tip Positon No.4 | Tip Position No.5 | Tip Position No. 7 | Tip Position No. 8 | Tip Position No. 9

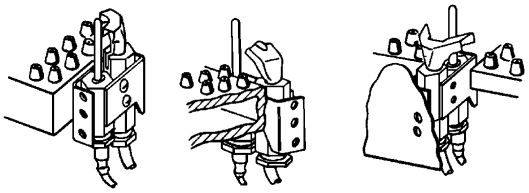
Tip Position	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	1	EA	75324	J994MDA-2H PILOT	
5	1	EA	75323	J995MDA-2H PILOT	
7	1	EA	75321	J997MDA-2H PILOT	
8	1	EA	75320	J998MDA-2H PILOT	
9	1	EA	75319	J999MDA-2H PILOT	

NOTE: Includes two inlet fittings and necessary parts.

BASO Gas Products LLC

J Series Multi-Mount Universal Pilot Burner

Baso universal replacement pilot burners are supplied in 3 models. Moutning brackets on all 4 sides of each burner permit adaptation to most application.



J999MHA | J999MKA | J999MYA

Features

- Mounting bracket on all 4 sides
- 3 tapped holes in each bracket end for vertical adjustment
- A natural and LPG orifice supplied
- Nuts and bolts furnished in each package

Type of Pilot	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Shell	10	EA	75224	J999MKA-2H MULTIMOUNT PILOT	
Y Channel	10	EA	75225	J999MYA-2H MULTIMOUNT PILOT	
L Channel	10	EA	75226	J999MHA-2H MULTIMOUNT PILOT	

BASO Gas Products LLC

Thermopiles



T36A1-1H | T36B0-1H

T36A1-1H Thermopile

- 600–750 millivolt generator
- Includes thermopile, PG9 adaptor and clip
- Replaces models:
  White-Rodgers: G01A-502
  Robertshaw: A-1950-532
  Honeywell: Q313A1139, Q313A1170, Q313A1188
  Jade Controls: JH-36, JHA-36

T36B-1H Thermopile

- 250–750 millivolt generator
- Includes thermopile and PG9 adaptor
- Replaces models:
  Robertshaw: 1951-001, 1951-536

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75328	T36A1-1H 36IN UNIVERSAL THERMOPILE	
1	EA	75329	T36B0-1H 36IN UNIVERSAL COAXIAL THERMOPILE	

1	EA	75329	T36B0-1H 36IN UNIVERSAL COAXIAL THERMOPILE	

BASO Gas Products LLC

L61 and L62 Series Pilot Switches



L61LL-1C



L62AA



L62GB

Baso automatic pilot switches are wired to interrupt the automatic main gas valve circuit if the pilot flame is extinquished. L61LL-1 is the unversal replacement for Baso 860-1, 861-1, 960-1, and L61LL-3 pilot switches. L62GB-3 replaces L62FA models. A universal mounting bracket is included with L62GB-3 to permit replacing competitive makes.

Model No.	Reset	100% Shutoff	Switch Action	Dimensions (In.)			Thermocouple Lead	Electrical Ratings
				Max. Width	Max. Depth	Max. Height		
L61LL-1	Automatic	No	SPDT	3-3/8	2-3/16	3-59/64	K16BT	At normally closed contact: 125 VA pilot @ 120/240 VAC. At normally open contact: 8 amp, 120 VAC; 4 amp, 240 VAC; 1/4 hp @120/240 VAC
L62AA-5	Manual	No	SPDT	2-5/8	1-11/32	4-7/32	K15D, K19, or K20	8 amp, 125 VAC; 3 amp, 250 VAC; 0.06 amp, 230 VDC; 1/4 hp @ 125/250 VAC.
L62GB-3	Manual	Yes	SPDT	2-13/16	2-1/16	3-7/16	K15D, K19, or K20	1 amp, 24 VAC; 8 amp, 125 VAC; 4 amp, 250 VAC; 125 VA pilot duy @ 120-240 VAC.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75095	L62AA-5C SWITCH	
1	EA	75096	L62GB-3C SWITCH	
1	EA	75097	L61LL-1C SWITCH	

BASO Gas Products LLC

R43283-2 Copper Compression Nut and Sleeve



For pilot burners. 1/4 compression nut with breakaway sleeve.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	75275	R43283-2 1/4 IN (50 EA=1 BOX) CC NUT & SLEEVE	

BASO Gas Products LLC

K15 Baso Thermocouples



K15DA

This thermocouple is used for Series 800, Baso, Basoid, and Basotrol valves and switches.
Millivoltage Range: 20 to 28 mV.

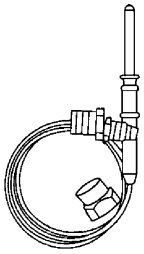
K15FA

Snap-in clip thermocouple for fast, easy assembly for valves, switches, and Basotrol valves with automatic pilots.
Millivoltage Range: 20 to 28 mV.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 50
10	EA	75063	K15DA-36H THERMOCOUPLE			
10	EA	75042	K15FA-36H THERMOCOUPLE			

BASO Gas Products LLC

K16 Husky™ High Performance Thermocouple



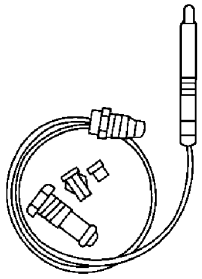
This heavy duty, high output, commercial-industrial thermocouple is a replacement for Baso 17D, 50, 58D, 87D, 88D, 97D, and 107D thermocouples. Will also fit the Baso 19119 pilot burner.

The Husky™ is supplied with adapters to allow the necessary replacement.
Millivolt Range: 3–35.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 50
10	EA	75059	K16BT-18H THERMOCOUPLE			
10	EA	75068	K16BT-36H THERMOCOUPLE			
5	EA	75069	K16WT-48H THERMOCOUPLE			

BASO Gas Products LLC

K19 Universal Replacement Thermocouple



This model fits all pilots including all Baso types and the expecially hard to fit snorkel types. For pilots and standard threads, only the lower nut is needed. A special sliding "quick nut" required only for pilot burners not drilled and tapped with standard threads.
Millivoltage Range: 25 to 35.

Use this universal with all Series G and H baso valves, Basoids, and Basotrols with automatic pilot valves as well at automatic pilot valves made by other control manufacturers whose power unit connector is like the Baso series.

Also replaces (check for length) White-Rodgers 21H02E, Honeywell Q340A, ITT/General 2500G and 3000MG, and Robertshaw A1910.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 50
10	EA	75000	K19AT-36H UNIV THERMOCOUPLE			

BASO Gas Products LLC

Y99 Pilot Burner Tubing

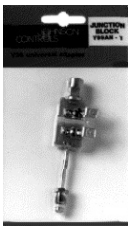


STD PKG	UM	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75130	Y99AR-1H 1/4X60 IN AL TUBE	

BASO Gas Products LLC

Y99AN Junction Block Adapter

This adapter will fit any Baso thermocouple lead for conversion to a junction block application.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75075	Y99AN-1H JUNCTION ADAPTOR	

MA-LINE MONTI AND ASSOCIATES, INC.

Aluminum Tube Kit

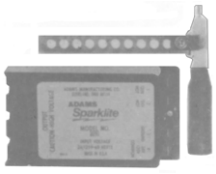


- For pilot line hookup to gas valve
- 5 ft.
- Includes compression fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54040	MA-AT14-5 1/4X5FT COIL KIT W/FTGS	

ADAMS MANUFACTURING COMPANY

APR Automatic Pilot Relighter



The automatic pilot relight system is activated the instant the gas pilot flame is extinguished. It generates a continuous stream of ignition sparks through the spark gap until the pilot is re-ignited.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	61760	APR AUTOMATIC PILOT RELIGHTER	

SIG1100 Universal Hot Surface Ignitor



- Designed to replace over 170 original part numbers.
- Engineered reaction bonded silicon carbide design
- Greater physical strength
- Lower power consumption
- Superior gas lighting ability
- Easy installation
- Minimizes inventory

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94889	SIG1100 FURNACE IGNITOR	

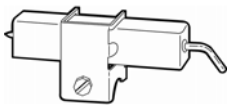
41-311 Dryer Ignitor Kit
for Whirlpool



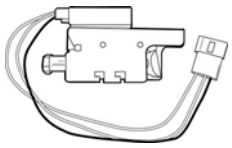
Replaces the following ignitors: 239300, 279185, 239233, 239302, 338900, 338899, 343128, 340607, 687399, 685211, WRC23K. This silicone carbide ignitor kit consists of: (1) WRC23 Ignitor, (2) 686608 Nuts and Wire, (1) 686833 Bracket, and (1) 686953 Screw.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65037	41-311 WRC23K IGNITOR KIT	

Pilot Burner Parts
for Carrier/BDP



The 10-680 electrode assembly is identical to Carrier/BDP part number LH680512. The 10-680 is designed specifically to fit Carrier-BDP pilot burners part numbers LH68005 and LH33JZ053.



The 1830-620 replacement pilot burner assembly has been developed specifically to replace the Carrier/BDP LH680005 and LH33JZ053. The LH680005 (3-wire) and LH33JZ053 (2-wire) pilot burner assemblies have been sold exclusively by Carrier/BDP for over 20 years.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70100	10-680 R/S ELECTRODE ASSEMBLY	
1	EA	70103	PS730A/1830-620 2/3 WIRE CARRIER PILOT	

Honeywell S87C and D Direct Spark Ignition Control Modules



Provides electronic control of direct spark ignition systems for use on gas-fired furnaces, boilers, and heating appliances. Control ignition sequence and gas control operations. Generate high voltage potential for main burner ignition. Lock out on trial for ignition if main burner fails to ignite. Reset from thermostat after lockout.

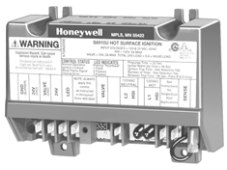
Power Supply: 24 Vac, 60 Hz.

Current Rating: 2.2A max. at 24 Vac input.
Thermostat Heat Anticipator Setting: 0.2A plus gas control current.
Wiring Connections: 1/4" male quick-connects for system; 1/4" diameter stud base for ignition cable.
Flame Failure Response Time: 0.8 sec. max.
Ambient Temperature Range: -40 to +175° F.

Model No.	Locking Time (sec.)	Application	Use With
S87C 1014	11	Uses separate electrodes for spark ignition and flame sensing. For use only with Honeywell gas controls designed for DSI applications. For direct replacement of S825C.	Q347A Spark Igniter and Q354A Flame Sensor
S87D 1004	6	Uses separate electrodes for spark ignition and flame sensing. Includes optional alarm output. For direct replacement of S825C, D.	

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	72715	S87C1014/U DSI CONTROL MODULE	
10	EA	72717	S87D1004/U DSI CONTROL MODULE	

Honeywell S8910U Universal Hot Surface Ignition Module



The S8910U Universal Hot Surface Ignition Module is designed to provide easy field replacement of a wide range of HSI modules manufactured by Honeywell, Robertshaw, and White-Rodgers. The S8910U uses a 120 Vac hot surface igniter.

- For local (single rod) or remote (dual rod) rectification type flame sensing.
- Provides one or three ignitions trials per call for heat (selectable); prepurge of 32 seconds or less; up to 96 seconds between purge trial times.
- Temperature Range: -40° F to 175° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
2	EA	72663	S8910U3000/U UNIVERSAL HSI MODULE		

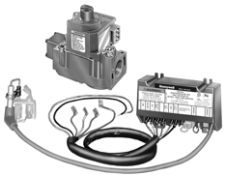
Honeywell S9200U Universal HSI Integrated Furnace Control



- Universal hot surface ignition control replaces 122 competitive models.
- Complete set of wiring harnesses included for universal compatibility and simplified wiring.
- LED indicators provide system status, performance and diagnostic information.
- EnviraCOM -enabled for easy set-up or remote monitoring and diagnostics.
- Board is mounted in plastic tray to help protect dust and flexing of the board.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	72664	S9200U1000/U UNIVERSAL INTEGRATED FURNACE CONTROL		

Honeywell Y8610U Pilot System Kit



Use the Y8610U for all 24 Vac gas-fired atmospheric furnaces, boiler, and heating appliances. Y8610U kits work with both natural and LP gas.

The Y9610U kit includes the S8610U, VR8304, ignition cable with connectors, reducer bushings and installation hardware. The Y8610U makes it easy to upgrade old small unit heaters, forced-air furnaces and boilers up to 400,000 BTU.

The S8610U Universal Intermittent Pilot Module included in the kit can be used with both single-rod and dual-rod sense systems. It provides 100% pilot gas shutoff if the pilot fails to light; after a six-minute delay, the trial for ignition is repeated.

The VR8304 intermittent gas valve included in the kit is truly a one-size-fits-all valve. Shipped with all the adapters, fittings, and conversion items needed to fit any pipe size, the VR8304 works with most natural or LP gas applications. It has a broad capacity of 30,000 to 415,000 BTU/H.

Y8610U Kit and Replacement Module

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	74148	Y8610U6006/U PILOT SYSTEM		
6	EA	72660	S8610U3009/U UNIVERSAL MODULE		

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74655	394800-30/U IGNITION CABLE	
1	EA	74788	392125-2/U IGN CABLE	
1	EA	74793	392431/U IGN KIT	

Robertshaw 785 Series Automatic Pilot Relight Kits



Kits are 24/120 Vac and 9 Vdc and are designed for use on rooftop heating equipment, water heaters, boilers, space heaters, unit heaters, dryers, and other commercial, industrial, and residental appliances where the problem of pilot outage may occur.

785-001 Replaces:
Carrier/BDP: 990-195 and LH33W2-502.
Cam-Stat: PR-24-00, PR-24-36W, PR-120-36W, PR-120-00, and SIG-24-00.
Lenox: 75F2601.
York: 025-19264-000.

780-001 Replaces:
Robertshaw, Johnson, and Honeywell.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77265	785-001 R/S AUTO PILOT RELIGHT KIT	
1	EA	77339	780-001 IGN MODULE KIT	

White-Rodgers 50A55-843 Universal HSI Furnace Control

Integrated, Silicon Carbide



- Controls gas valve, ignitor, blower, inducer, humidifier, and air cleaner
- Replaces most York, Trane, ICP, Amana, and White-Rodgers models
- Includes flash code diagnostics
- Fused to protect low voltage system transformer
- Adjustable blower relay
- Input Voltage: 25VAC 50/60 Hz
- Max. Input Current @ 25VAC: 0.45 amp
- Valve Relay: 1.5 amp @ 25VAC 50/60 Hz 0.6f
- Ignitor Relay: 6.0 amp @ 120VAC 50/60 Hz res.
- Inducer Relay: 2.2 FLA–3.5 LRA @ 120VAC
- Circulator Relay: 14.5 LFA–25 LRA @ 120 VAC
- Operating Temp. Range: -40° to 175° F
- Humidity Range: 5% to 93% RH (non-coondensing)

Model No.	Prepurge (Seconds)	Delay Heat (seconds)		Delay Cool (seconds)		Auto Reset (Minutes)
		On	Off	On	Off	
50A55-843	30	30/45	60/90/120/180	5	45/90	60

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75665	50A55-843 SILICON CARBIDE INTEGRATED IGNITION MODULE	

White-Rodgers 50A65-843 Universal HSI Furnace Control

Integrated, Nitride Ignition



- Controls gas valve, ignitor, blower, inducer, humidifier and air cleaner
- Replaces OEM, Trane, York, ICP and Amana models
- Includes flash code diagnostics
- Replaceable 3A fuse
- Single channel flame sense
- Input Voltage: 25VAC 50/60 Hz
- Max. Input Current @ 25VAC: 0.45 amp
- Valve Relay: 1.5 amp @ 25VAC 50/60 Hz 0.6 pf
- Ignitor Relay: 6.0 amp @ 120VAC 50/60 Hz resistive
- Inducer Relay: 2.2 FLA –3.5 LRA @ 120VAC
- Circulator Relay: 14.5 FLA –25.0 LRA @ 120VAC
- Operating Temp. Range: -40° to 175° F
- Humidity Range: 5% to 93% RH (non-condensing)

Model No.	Prepurge (Seconds)	Delay Heat (Seconds)		Delay Cool (Seconds)		Auto Reset (Minutes)
		On	Off	On	Off	
50A65-843	30 sec.	30/45	60/90/120/180	5	45/90	60

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75675	50A65-843 SILICON NITRIDE INTEGRATED IGNITION MODULE	

White-Rodgers 21M/21V Universal HSI Furnace Controls

Two-Stage, Integrated



21M51U-843



21V51U-843

Features
- 120 VAC ignitor output, two-speed inducer output, humidifier output, and electronic air cleaner output
- 2-stage gas valve output

Includes
- Ignition control module
- 21D64-2 universal silicon nitride ignitor kit
- Installation instructions and OEM cross reference

21M51U-543
- For furnaces with 3-speed PSC circulators
- Replaces: White-Rodgers 50M51-242, 50M61-XXX, and 2-stage, HSI controls with 80 or 120 V ignitor output
- Fuse protection
- Furnace status LED
- Auto 2nd stage delay

21V51U-843
- For furnaces with variable speed (ECM) circulators
- Replaces White-Rodgers 50V511-XXX, 50V61-XXX, and 2-stage HSI controls with 80 or 120 V ignitor output

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75792	21M51U-843 2 STAGE 3SPD UNIVERSAL INTEGRATED FURNACE CONTROL KIT	
1	EA	75793	21V51U-843 VARIABLE SPD UNIVERSAL INTEGRATED FURNACE CONTROL KIT	

White-Rodgers 50M56U-843 Universal HSI Furnace Control

Single-Stage, Integrated



Features
- 3 fan speeds
- Color-coded thermostat connection
- System diagnostics, with fault recall (stored)
- Auto 2nd-stage delay
- 120VAC

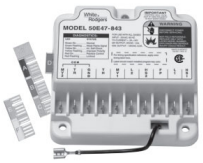
Includes
- Ignition control module (50M56-843)
- 9 quick-select/quick-connect wiring harnesses
- 21D64-2 nitride ignitor kit

Replaces
Virtually all White-Rodgers', competitors', and OEM's single-stage carbide and nitride HSI furnace controls with 80 and 120 V ignitor output.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75809	50M56U-843 UNIVERSAL SINGLE STG HSI INTEGRATED FURNACE CONTROL KIT	

White-Rodgers 50E47-843 Universal HSI Furnace Control

Single-Stage, Non-Integrated, Silicon Carbide



- Replaces White-Rodgers 50E47 modules and many more
- Program keys for multiple timing selections
- Tri-colored LED indicator for diagnostics
- Direct and indirect flame sense compatible
- Universal design for maximum versatility
- Input Voltage: 18 to 30 VAC, 25VAC nominal
- Max. Input Current @ 25VAC: .25mA @ 28VAC
- Valve Relay: 1.5 amps @ 28VAC 50/60 Hz 0.6 pf
- Ignitor Relay: 1.52A, 120VAC, 50/60 Hz resistive
- Operating Temp. Range: -40° F to 175° F
- Humidity Range: 95% RH (non-condensing)

Program Key Timing Specifications Quick Reference

Key	Trial for Ignition (Seconds)	Retries	Prepurge (Seconds)	Interpurge (Ignitor Warmup) (Seconds)
A-Blue	4	0	30	45
B-Red	4	2	30	45
C-Green	7	0	30	45
D-Violet	7	2	30	45
E-Orange	4	2	30	17
F-Yellow	7	2	30	17

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75680	50E47 843 UNIVERSAL HSI IGNITION MODULE	

White-Rodgers 50D50-842 Universal Direct Spark Ignition Module



- For heating appliances; natural or LP gas
- Color LED indicator for diagnostics
- 1/4" and 3/16" quick connect terminals
- Program keys
- Damper interface
- Input Voltage: 18–30VAC, 25 VAC nominal
- Max. Input Current @ 25 VAC: 0.2A + MV@ 25° C
- Ambient Operating Temp. Range: -40° to 175° F
- Flame Establishment Time: .8 sec

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75681	50D50-842 UNIVERSAL DIRECT SPARK IGNITION MODULE	

White-Rodgers 50D50-843 Universal Proven Pilot Spark Control

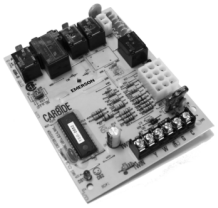


- Provides igniton, proof of ignition and precise timing
- Replacement for most Johnson Controls, Robertshaw, Honeywell, and UTEC intermittent pilot ignition controls
- Works with single-rod or dual-rod remote sensor
- Color LED indicator for diagnostics
- Input Voltage: 18–30VAC, 25 VAC nominal
- Max. Input Current @ 25 VAC: 0.2A + MV + PV@ 25° C
- Ambient Operating Temp. Range: -40° to +176° F
- Flame Out Recognition Time: 8 seconds
- Dimensions: 4.13" L x 4.13" W x 1.5" H

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75682	50D50-843 UNIVERSAL PROVEN PILOT SPARK CONTROL	

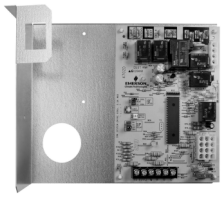
White-Rodgers 50A/50M Direct Replacement HSI Furnace Controls

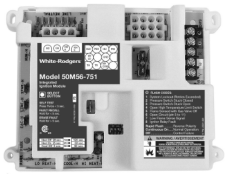
Single-Stage, Integrated


50A55-743


50A55-3797


550A65-5165


50A56-956


50M56U-751

These direct replacement furnace modules control the gas valve, ignitor, blower, inducer, humidifier, and air cleaner.

- Electrical Ratings @ 77° F
  Input Voltage: 25 VAC 50/60 Hz
  Max. Input Current @ 25 VAC: 0.45 amp
- Operating Temp: -40° to 176° F
- Humidity Range: 5% to 93% RH (non-condensing)
- Flame Establishing Time: 0.8 seconds
- Flame Failure Response Time: 2.0 seconds

Model No.	Replaces OEM	Pre-Purge Time (Seconds)	Heat-Delay On (Seconds)	Heat-Delay Off (Seconds)	Cool-Delay-to-Fan On (Seconds)	Cool-Delay-to-Fan Off (Seconds)	Post Purge (Seconds)	Mounting
50A55-743	Goodman	15	30	90/120/150/180	5	45	15	Snap-in standoffs
50A55-3797	Trane	0	45	60/100/140/180	2	0/180	5	Snap-in standoffs
50A56-956	York	0	30	30/90/120/180	0	60	15	Snap-in standoffs
50A65-5165	Trane	0	45	30/100/140/180	2	0/80	5	Snap-in standoffs
50M56U-751	Carrier	30	25/60	90/120	2	5/90	25	Surface mount multipoise

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	60403	50A55-743 PCBBF112S CNTRL BRD 0130F00005/B18099-26	
1	EA	75864	50A55 3797 120V IGNITOR HSI INTEGRATED FURNACE CONTROL KIT	
1	EA	75865	50A56-956 HSI INTEGRATED FURNACE CONTROL KIT	
1	EA	75866	50A65-5165 80V IGNITOR HSI INTEGRATED FURNACE CONTROL KIT	
1	EA	75867	50M56U-751 HSI INTEGRATED FURNACE CONTROL KIT	

White-Rodgers 50T35-743 Direct Replacement HSI Furnace Control

Goodman, Integrated, Silicon Carbide



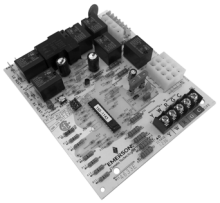
- Controls gas valve, ignitor, two-speed blower motor, inducer, humidifier, and air cleaner
- Replaces Goodman (B18099-06, -08, -10, -13, -13s, etc.), UTEC, and TI models.
- Includes flash code diagnostics
- Fused to protect low voltage system transformer
- Adjustable blower relay
- Input Voltage: 20-30VAC RMS 50/60 Hz
- Max. Input Current @ 30VAC: 0.35amp
- Valve Relay: 1.5amp @ 30VAC 50/60 Hz 0.6pf
- Ignitor Relay: 5.0amp @ 120 VAC 50/60 Hz
- Inducer Relay: 4.0 FLA–8.0 LRA @ 120VAC
- Circulator Relay: 14.5 FLA–25.0 LRA @ 120VAC
- Operating Temperature: -40° to 176° F

Model No.	Pre-Purge Time (Seconds)	Heat Delay On (Seconds)	Heat Delay Off (Seconds)	Cool Delay On (Seconds)	Cool Delay Off (Seconds)	Post Purge (Seconds)
50T35-743	15	30	90/120/150	5	60	25 (29 with 90+)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64958	50T35-743 B1809913S CONTROL BOARD 50T35-735	

White-Rodgers 50M56-743 Direct Replacement HSI Furnace Control

Goodman, Multi-Speed, Integrated, Nitride Ignition



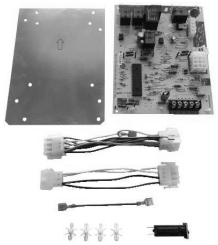
- Controls gas valve, ignitor, blower, inducer, and air cleaner
- Replaces OEM Goodman and White-Rodgers models
- System diagnostic LED with fault recall
- Multi-speed circulator
- One or two-stage gas valve
- Input Voltage: 25VAC 50/60 Hz
- Max. Input Current @ 30 VAC: 0.45amp
- Valve Relay: 1.5amp @ 25VAC 50/60 Hz 0.6pf
- Ignitor Relay: 6.0amp @ 120 VAC 50/60 Hz
- Inducer Relay: 2.2 FLA–3.5 LRA @ 120 VAC
- Operating Temp. Range: -40° to 176° F
- Humidity Range: 5% to 93% RH

Model No.	Pre-Purge Time (Seconds)	Heat Delay On (Seconds)	Heat Delay Off (Seconds)	Cool Delay On (Seconds)	Cool Delay Off (Seconds)	Post Purge (Seconds)
50M56-743	30	30	100/150	6	45	25

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	64697	50M56-743 PCBBF132S CONTRL BRD PCBBF122S PCBBF109S	

White-Rodgers 21D83M-843 Direct Replacement HSI Furnace Control

Lennox, Integrated, Nitride Ignition



- Controls gas valve, ignitor, blower, inducer, humidifier, and air cleaner.
- Replaces Lennox models
- Includes diagnostic indicator flash codes
- 3 fan speeds
- Remote flame sense
- Input Voltage: 25VAC 50/60 Hz
- Max. Input Current @ 25VAC: 0.45 amp
- Valve Relay: 1.5 amp @ 25VAC 50/60 Hz 0.6 pf
- Ignitor Relay: 2.0 amp @ 120VAC 50/60 Hz resistive
- Inducer Relay: 2.2 FLA – 3.5 LRA @ 120VAC
- Circulator Relay: 14.5 FLA – 25.0 LRA @ 120VAC
- Operating Temp. Range: -40° to 175° F
- Humidity Range: 5% to 93% RH

Model No.	Pre-Purge (Seconds)	Delay Heat (Seconds)		Delay Cool (Seconds)		Auto Reset (Minutes)
		On	Off	On	Off	
21D83M-843	15	45	60/90/120/180	2	2/45	60

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75838	21D83M-843 SNG STG MODULE KIT FOR NITRIDE INTEGRATED FURNACES	

White-Rodgers 21V51D-751 Direct Replacement HSI Furnace Control

Carrier, Two-Stage, Integrated



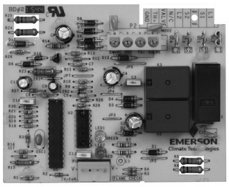
- PSC/VS or ECMx blower motors 120V HSI Ignition
- Tri-color diagnostics LED
- Flame current test pads
- Push button self-test
- Dipswitch fan only speed set up
- Input Voltage: 18 to 30 VAC, 60 Hz
- Current 0.8 amp @ 25VAC:
- Valve Relay, 1st Stage: 1.5 A 0.6 PF @ 30VAC
- Valve Relay, 2nd Stage: 0.5 A @ 30 VAC
- Ignitor Relay: 2.0 A @ 120VAC
- Inducer Relay: 2.2 FLA @ 120VAC
- Inducer Relay: 3.5 A LRA @ 120 VAC
- Operating Temp. Range: -40° to 175° F
- Humidity Range: 5% to 93% RH

Model No.	Replaces OEM	Pre-Purge Time (Seconds)	Ignitor Warm Up (Seconds)	Heat-Delay-to-Fan-On, Low Heat (Seconds)	Heat-Delay to-Fan-Off (Seconds)	Cool-Delay-to-Fan-On (Seconds)	Cool-Delay-to-Fan Off (Seconds)	Post Purge (Seconds)
21V51D-751	Carrier	15	17-19	45	90/120/150/180	3	5	15

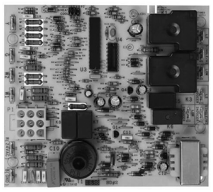
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75772	21V51D-751 2STG 120V REPLACEMENT HSI IFC KIT	

White-Rodgers 50E/50N Direct Replacement HSI/DSI Controls

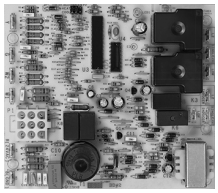
Trane Commercial Packaged Unit Controls



50E70-820



50N02A-820



50N02B-820

Model No.	Ignition	Replaces White-Rodgers Model	Cool Off Delay (Sec)
50E70-820	Non-integrated, single-stage, HSI	3HS-2 REV D, KIT08282, X13130449-0, X13130454-02	—
50N02A-820	Integrated, two-stage, DSI	CNT03456	80
50N02B-820	Integrated, two-stage, DSI	CNT05135	45

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75868	50E70-820 MODULE FOR TRANE SINGLE STAGE HSI WITH 120V IGNITOR	
1	EA	75869	50N02A-820 TRANE 2 STAGE DIRECT SPARK MODULE, 80 SEC OFF DELAY	
1	EA	75870	50N02B-820 TRANE 2 STAGE DIRECT SPARK 45 SECOND OFF DELAY	

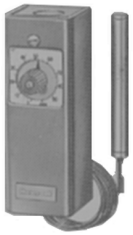
F50N02-820 Furnace Adaptor Board



- Use with 50N02A or B controls
- Only required for first-time board replacements or older kits
- Includes adapter, 2 wiring harnesses, and installation instructions

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75871	F50N02-820 IGN CONTROL ADAPTER BOARD KIT FOR TRANE	

Honeywell T675A and T678A Controllers



T675, Standard



T678, Fast Response

Electrical Ratings (Amperes)
T675A & T678A Adjustable Differential Models

	120 Vac	240 Vac	277 Vac
Full Load	8.0	5.1	4.2
Locked Rotor	48.0	30.6	25.2

T675A Non-adjustable Differential Models:
125 VA at 120/208/240/277 Vac.

Remote bulb thermostats regulate temperature of air or liquids in ducts, pipes, tanks, and boilers. For applications requiring accurate temperature control of air or liquids where controller must be placed outside the sensing area. Typical uses include control of dampers and valves in heating, cooling, and heating-cooling systems.

Fast response models (available for use in return air duct) operate approximately 4 times faster than standard models.
Bulb Size: 1/2" x 4-3/16" for standard models, 1/2" x 3-9/16" available for 55 to 175° F models.
Approximate Dimensions: 5-5/8" H x 2" W x 2-5/8" D.
U.L. Listed.

Model No.	Control Range ° F	Capillary Length (Ft.) and Material	Max. Temp. ° F	Differential Degree F	Switching
T675A 1425	55 to 175	20 copper	200	3.6 to 12° F, adj.	SPDT switch breaks R-B and makes R-W at set point on temperature rise.
T675A 1508	0 to 100	5 copper	125	3 to 10° F, adj.	
T675A 1516*	0 to 100	5 copper	125	1° F, fixed	
T675A 1532*	160 to 260	5 copper	280	3 to 10° F, adj.	
T675A 1540*	55 to 175	5 copper	200	3.6 to 12° F, adj.	
T675A 1565*	0 to 100	20 copper	125	3 to 10° F, adj.	
T678A 1015	0 to 100	20 copper	125	Each switch fixed at 3° F; adj. diff. between switches 3 to 10° F.	2 SPDT switches operating in sequence. Right switch breaks R-B and makes R-W at set point on a temp. rise, left switch breaks R-B and makes R-W if temperature continues to rise through interstage differential.
T678A 1437*	0 to 100	5 copper	125	Each switch fixed at 3° F; adj. diff. between switches 3 to 10° F.	
T678A 1445*	55 to 175	5 copper	200	Each switch fixed at 3.6° F; adj. diff. between switches 3.6 to 12° F.	

* Tradeline Models NOTE: Items T675A 1508, 1516, 1532, 1540, 1565, 1437, and 1445 include 107324A Bulb Holder.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	73000	T675A1425/U TEMPERATURE CONTROLLERS	
4	EA	73001	T675A1540/U TEMPERATURE CONTROLLER	
4	EA	73002	T675A1565/U TEMPERATURE CONTROLLER	
4	EA	73003	T675A1508/U TEMPERATURE CONTROLLER	
4	EA	73004	T675A1516/U TEMPERATURE CONTROLLER	
4	EA	73006	T675A1532/U TEMPERATURE CONTROLLER	
4	EA	73010	T678A1437/U TEMPERATURE CONTROLLER	
4	EA	73011	T678A1015/U TEMPERATURE CONTROLLER	
4	EA	73012	T678A1445/U TEMPERATURE CONTROLLER	

Honeywell T775U Electronic Temperature Controllers

Remote Sensing and Electronic Accuracy



Typical applications include ON/Off control of fans, motors, and heaters, proportional and floating control of damper and valve actuators, and outdoor reset of heating and cooling systems. LCD display indicates mode and output status; jumper switch provides field section of F or C display. ey pad allows precise temperature selection.

- **Control Mode:** SPDT
- **Inputs:** 1
- **Relay Outputs:** 2
- **Differential:** 1 to 150° F.
- **Voltage Input:** 24/120/240 Vac, 50/60 Hz.
- **Set Point Range:** -20 to +240° F
- **Temperature Accuracy:** +/- 1° F @ 77°
- **Ambient Temp. Range:** -40 to +140° F
- **Throttling Range:** 1 to 150° F

Features include electronic control accuracy, linear platinum temperature sensor, remote sensing from up to 1000 ft., wide temperature setting range, adjustable differential and throttling range, and independently programmable heating and cooling stages.
U.L. Listed

Electrical Ratings (Amperes)

	120 Vac	240 Vac
Full Load	9.8A	4.9A
Locked Rotor	58.8A	29.4A
Pilot Duty	125 VA	
Resistive	10.0A @ 24 Vac	

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	73043	T775U2006/U ELECTRONIC UNIVERSAL CONTROLLER	

Honeywell T991A Proportional Temperature Controllers



For modulating control of water or air temperature in ducts, tanks, and similar applications. All models compensated for ambient temperature effects on case and tubing. Fast response models (for duct mounting) have coiled sensing element giving at least 4 times faster response than standard models. Sensing element capillary tubing allows remote mounting of sensing element. Set point may be read and adjusted through cover. Throttling dial inside case adjusts proportioning range.

Pressure Rating: 50 PSI.
Element: Liquid filled.
Electrical Rating: 24 to 30 Vac.
Approx. Dimensions:
5-5/8" H x 2" W x 2-1/4" D.
Max. Temp. at Element:
125° F for 0 to 100° F range
200° F for 55 to 175° F range
280° for 160 to 260° F range

Model No.	Set Point Range F	Adj. Throttling Range F	Capillary Length and Material	Bulb Dia. x Length (In.)	Pot. Res. (ohms)
T991A 1012	0 to 100	3 to 30	20 ft. copper	1/2 x 4-3/16	135
T991A 1061	160 to 260	3 to 30	5 ft. copper	1/2 x 4-3/16	135
T991A 1194	55 to 175	3 to 30	20 ft. copper	1/2 x 3-9/16	135
T991A 1244‡*	55 to 175	3.5 to 36	5 ft. copper	1/2 x 3-9/16	135
T991A 1269*	55 to 175	3.5 to 36	20 ft. copper	1/2 x 3-9/16	280
T991A 1350*	55 to 175	3.5 to 36	24 ft. copper	7/64 x 288	135
T991A 1426‡*	0 to 100	3 to 30	5 ft. copper	1/2 x 4-3/16	135
T991A 1715	0 to 100	3 to 30	5 ft. copper	1/8 x 76.4	135
T991A 1756	55 to 175	3 to 30	5 ft. copper	1/8 x 76.4	135

* Tradeline Models ‡ 107324A Duct Bulb Holder Included.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	73147	T991A1061/U TEMP CTLR	
4	EA	73148	T991A1426/U TEMP CTLR	
4	EA	73149	T991A1012/U TEMP CTLR	
4	EA	73150	T991A1194/U TEMP CNTL	
4	EA	73151	T991A1244/U TEMP CTLR	
4	EA	73153	T991A1350/U TEMP CTLR	
4	EA	73154	T991A1269/U TEMP CTLR	
4	EA	73155	T991A1715/U TEMP CNTL	
4	EA	73156	T991A1756/U TEMP CNTL	

Honeywell L91B Proportional Pressuretrol Controller



Modulating pressure operating control for steam systems. May be used with steam, air, noncombustible gases or other fluids noncorrosive to brass or phos-bronze (300 PSI models) bellows. Adjustments to set point made by screws on top of case.

Electrical Rating: 24 Vac only.
Maximum Ambient Temperature: 150° F.
Mounting: 1/4 in. NPT male fitting for models with control ranges up through 15 PSI; 1/4 in. NPT female fitting for models with higher ranges or surface mounted through holes in back of case.

Model No.	Control Range		Max. Surge Pressure		Differential at Midscale			Potentiometers (140 ohms nom.)
	psi	kPa	psi	kPa	Adj.	psi	kPa	
L91B1035	0 to 15	0 to 103	20	138	Yes	1 to 12	7 to 83	1
L91B1050	5 to 150	34 to 1034	225	1151	Yes	5 to 23	34 to 159	1

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70482	L91B1035/U PRESSURETROL	
10	EA	70483	L91B1050/U PRESSURETROL	

ICM325HC and ICM326HC Head Pressure Controls



ICM325HC

Integral heat pump bypass circuitry allows electronic bypass of speed control during heat pump operation. Helps prevent evaporator freeze-ups, low pressure cutouts, and liquid-slugged compressors in low ambient conditions. One model covers 120-480 Vac. Features hard start, low temperature cutoff and high temperature bypass. Requires 24 Vac supply. Typical applications are heat pumps or air conditioners.



ICM326HC

Helps prevent evaporator freeze-ups, low pressure cutouts, and liquid-slugged compressors in low ambient conditions. Features hard start, low temperature cutoff, and high temperature bypass. Isolated 24 FAC supply is built into the control. Typical applications include heat pumps, line voltage, air conditioning, and refrigeration.

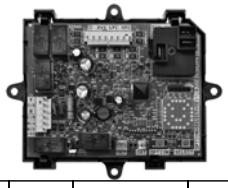
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76008	ICM325HN HEAD PRESSURE CONTROL	
1	EA	76009	ICM326HN HEAD PRESSURE CONTROL W/ HEAT	

Robertshaw® Electric Temperature Control



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	79618	ETC-211000-0000 ELECTRIC TEMPERATURE CONTROL	

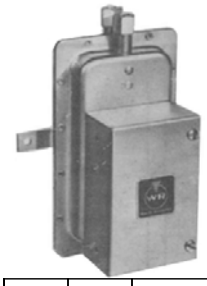
White-Rodgers Universal Heat Pump Defrost Control



A universal upgrade for single stage heat pump systems with a PSC fan motor. Select from pre-configured demand or timed defrost routines or configure to replicate virtually any set up. Also, upgrade your customers comfort with integrated compressor protection and outdoor thermostat capabilities.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75853	47D01U-843 UNIVERSAL HEAT PUMP DEFROST CONTROL	

White-Rodgers 770 Dual Purpose Air Switch



Responds to positive, negative, or differential air pressure. Design eliminates "fluttering" or malfunction due to shock or vibration normally encountered with "Sail Switches". Furnished with one 6" piece 1/4" O.D. flexible tubing, nuts, and ferrules. Can be mounted in any position.

Ambient Temperature: -40 to 180° F.
Maximum Pressure: 1/2 PSI.
Operating Range: .07 to 12.0 W.C.
Switch Action: SPDT.
Pilot Duty: 300 VA.
Electrical Ratings (Resistive): 15A at 120, 240, and 277 VAC

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75564	770-1 AIR PRESSURE SWITCH	

ESP ENERGY SAVING PRODUCTS

Small Footprint Air Switch

This small footprint universal air switch has five separate springs for an equal number of ranges from .05" WC to 10" WC. Set screw can be adjusted with the enclosed allen wrench. Eight different orifice restrictors to set different time delays and two brackets with screws fit all applications.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76773	NS2-0000-03 UNIVERSAL SMALL FOOTPRINT AIR SWITCH	

Air Sensing Switch Kit



Series RSS-495-11 and RSS-498-13 Air Sensing Switch Kits contain compact, economical switches designed for a residential furnace and light commercial aftermarket applications.
UL, CSA approved.

Adjustable Range:
RSS-495-11: .25 + .05" W.C. to 1.0 + .05" W.C.
RSS-498-13: 1. + .05" W.C. to 4. + .05" W.C.
Operating TemperatureRange:
RSS-495-11: -40° F to 190° F
RSS-498-13: -40° F to 180° F

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76774	RSS-498-13 1.0" W.C TO 4.0" W.C. AIR SENSING SWITCH KIT	
1	EA	76775	RSS-495-11 0.25" W.C TO 1.0" W.C AIR SENSING SWITCH KIT	

Square Neoprene Tubing



For use on furnaces, boilers, venter motors, air duct pressure switches, and rooftop differential pressure switches.
- Temperature Range: -20° F to 212° F
- Length: 5 ft. roll

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	RLL	54078	MA-SNAT316-5 3/16 IN ID SQUARE BLACK NEOPRENE TUBING	

Series 2000 Magnehelic® Differential Pressure Gage



The Magnehelic® gage measures fan and blower pressures, filter resistance, air velocity, furnace draft, pressure drop across orifice plates, liquid levels with bubbler systems and pressures in fluid amplifier or fluidic systems. It also checks gas-air ratio controls and automatic valves.

Temperature Limits: 20 to 140° F
Accuracy: ±2% of full scale throughout range at 70° F
A-432 Plastic Carrying Case includes 9 ft. of 3/16" ID rubber tubing, stand-hang bracket and terminal tube with holder. 9.1" x 7.4" x 3.6"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82539	2002 0 - 2.0 MAGNEHELIC DIFF PRESSURE GAGE	
1	EA	82439	A-432 PORTABLE KIT	

Honeywell C6097A and B Pressure Switches



Safety devices used in positive-pressure or differential-pressure systems to sense gas or air pressure changes. Includes switch position indicator

Ambient Temperature Rating: -40° F to 140° F
Mounting: 1/4 in. NPT internal thread
Pipe Connections, Vent or Low Pressure: 1/8 NPT internal thread

Model No.	Scale Range		Suitable For		Includes	Differential				Switch Action	Electrical Ratings	
	Water (In.)	kPa	Gas [2]	Air		Nominal		Maximum		Break on Pressure	FLA	LRA
						Water (In.)	kPa	Water (In.)	kPa		120/240 Vac	120/240 Vac
C6097B 1028	3.0 to 21.0	0.7 to 5.2	Yes	Yes	Man. Reset[1]	2.4	.6	4.2	1.05	Rise	3.0	18.0
C6097A 1053	3.0 to 21.0	0.7 to 5.2	Yes	Yes	Auto Recycle	.24	.06	.48	.12	Fall		

[1] Locks out when pressure rises to set point; can be reset manually after pressure falls to set point minus differential.
[2] Natural, LP, manufactured, and mixed gases.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70216	C6097A1053/U PRESS SWITCH	
10	EA	70218	C6097B1028/U PRESS SWITCH	

Honeywell C7046A Discharge Air Temperature Sensor



Electronic discharge air temperature sensor for use with W973 logic panel. Sends modulating resistance signal to W973 Logic Panel where it is balanced against the space or return air temperature signals to determine the exact amount of heating or cooling needed to satisfy the controller space. No set point.

Temp. Range °F	Max. Ambient Temp. °F	Insertion Length	Sensor Resistance (Nominal)	Sensitivity Per °F
40 to 150	250	8"	3000 ohms at 77 °F	70 ohms

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	70295	C7046A1004/U SENSOR	

Honeywell C7100A Averaging Discharge Sensor



Provides the input required by the W7100 discharge air temperature controller. No setting or calibration required. Mounts in duct wall or in a 2"x 4" junction box.

- Wiring Connections: 1/4" male quick-connect terminals.
- Humidity Ratings: 5 to 90% RH, non condensing.

Temp. Range °F	Max. Ambient Temp. °F	Insertion Length	Sensitivity (Ohms/1° F)	Resistance at 77° F
40 to 220	250	13"	4.8	3484

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	70302	C7100A 1015 AVG DISCH SENSOR	

Honeywell C7400A Solid State Enthalpy Element



C7400 solid state enthalpy element senses temperature and humidity and is used with the W7459 solid state economized control package. It permits the use of outdoor air as first stage of cooling in HVAC systems.

Operating Range: -25° to +125° F
Humidity Ratings: 5% ot 95% RH
Electrical Connection: 2-1/4" guide terminal

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70304	C7400A2001/U ENTHALPY SENSOR	

Honeywell C6097A and B Pressure Switches



Safety devices used in positive-pressure or differential-pressure systems to sense gas or air pressure changes. Includes switch position indicator.

Ambient Temperature Rating: -40° F to 140° F
Mounting: 1/4 in. NPT internal thread
Pipe Connections, Vent or Low Pressure: 1/8 NPT internal thread

Model No.	Scale Range		Suitable For		Includes	Differential				Switch Action	Electrical Ratings	
	Water (In.)	kPa	Gas [2]	Air		Nominal		Maximum		Break on Pressure	FLA	LRA
						Water (In.)	kPa	Water (In.)	kPa		120/240 Vac	120/240 Vac
C6097B 1028	3.0 to 21.0	0.7 to 5.2	Yes	Yes	Man. Reset[1]	2.4	.6	4.2	1.05	Rise	3.0	18.0
C6097A 1053	3.0 to 21.0	0.7 to 5.2	Yes	Yes	Auto Recycle	.24	.06	.48	.12	Fall		

[1] Locks out when pressure rises to set point; can be reset manually after pressure falls to set point minus differential.

[2] Natural, LP, manufactured, and mixed gases.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70216	C6097A1053/U PRESS SWITCH	
10	EA	70218	C6097B1028/U PRESS SWITCH	

Honeywell C7008A Flame Rod and Holder



This miniature "Spark Plug" type flame rod holder with threaded base, snap-on cover, and Kanthal A-1 flame rod is used with Honeywell flame safeguard controls requiring rectification type flame detector. For use with gas only. Installs with or without cover. Flame rod may be cut to desired length.

Mounting Means: 1/4 in NPT male. Rajah electrical connector.
U.L. Listed.
Factory Mutual approved.
Industrial Risk Insurers acceptable.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	70260	C7008A1174/U FLAME ROD ASSEMBLY	

Honeywell C7009A Flame Rod and Holder



Subminiature "Spark Plug" type flame rod holder with flame rod. Especially suited for use on industrial flame-retention burner nozzle. Used with Honeywell flame safeguard controls requiring rectification type flame detector. Flame rod may be cut to desired length.

C7009A 1025 Flame Rod Length: 12 in.
C7009A 1009 Flame Rod Length: 4 in.
Length without Flame Rod: 2-3/8 in.
Diameter: 3/8 in.
Mounting: 1/8 in. NPT male. Rajah electrical connector.
U.L. Listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	70262	C7009A 1025 FLAME ROD ASSEMBLY	
10	EA	70264	C7009A1009/U FLAME ROD ASSEMBLY	

Honeywell C7012A and E Solid State Purple Peeper

Ultraviolet Flame Detectors



Solid state electronic flame detectors for use with appropriate Honeywell combustion controls and amplifiers. Sense ultraviolet radiation produced by combustion of gas, oil, coal, or other fuels. Direct replacement for C7012 detectors with vacuum tubes.

These flame detectors can be mounted horizontally, vertically, or at any angle in between. Threaded conduit fitting and color coded leadwires for quick electrical hookup. Two detectors can be wired in parallel to reduce nuisance shutdowns

Model Number	Electrical Connections	Lead Length (In.)	Mounting	NEMA Rating	Ambient Temp. Range Degrees F	Electrical Ratings	Frequency
C7012A 1194	4 NEC Class 1 Color-coded leadwires	96	3/4 in. NPT	NEMA 4	25° to +175°	240 Vac	50 Hz; 60 Hz
C7012E 1112	6 NEC Class 1 Color-coded Leadwires		1 in. NPT		-20° to +175°	120 Vac	

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	70271	C7012A 1194 240V FLAME DETECTOR	
2	EA	70272	C7012E 1112 240V FLAME DETECTOR	

Honeywell C7027A Minipeeper Ultraviolet Flame Detector



Compact flame detector for use with RA890G, R7023C, R4795, R7795A and C, R4075, R4138, R4140, BC7000, BCS7700, and 7800 series flame safeguard controls with ultraviolet amplifiers.

Model No.	Ambient Temperature Range °F	Ambient Temperature Range °C	Lead Length (Ft.)
C7025A 1023	0 to +250	-18 to +102	6
C7027A 1031	-40 to +215	-40 to +102	6
C7027A 1049*	0 to +215	-18 to +102	6
C7027A 1064*	-40 to +215	-40 to +102	24

*1/2" NPT threaded spud connector.

Use on Honeywell flame safeguard primary safety controls and burners requiring ultraviolet flame detection. UV sensing tube is not field replaceable; entire unit can be economically replaced.
Mounting Means: Integral nut for 1/2" sighting pipe.
Dimensions: 1-1/16" dia. (mounting nut), 4" L.
U.L. Listed.
Industrial Risk Insurers acceptable.
Factory Mutual approved.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70289	C7027A1023/U 6FT LEAD FLAME DETECTOR	
10	EA	70293	C7027A1031/U 6 FT LEAD FLAME DETECTOR	
10	EA	70291	C7027A1049/U 6 FT LEAD FLAME DETECTOR	
10	EA	70292	C7027A1064/U 24 FT LEAD FLAME DETECTOR	

Honeywell C7035A Minipeeper Ultraviolet Flame Detector



Compact flame detector for use with RA890G, R7023C, R4795, R4138, and R4140 flame safeguard controls with ultraviolet amplifiers. Used on gas, oil, coal, or combination burners. Detects ultraviolet radiation from all flames. Sensing collar for 1" NPT sighting pipe.

Ambient Temperature Range: 0 to +250° F.
Dimensions: 1-1/2" dia. (mounting collar), 4-1/8" long.
Lead Length: 6 Ft.
U.L. Listed.
Industrial Risk Insurers acceptable.
Factory Mutual approved.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70294	C7035A 1023 FLAME DETECTOR	

Honeywell Flame Safeguard Core Credit

Core credit will be given to the following Honeywell Flame Safeguard items only.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74000	CORE CREDIT FOR BC7000L;R4138A,B,C,D;R4140	
1	EA	74001	CORE CREDIT FOR RA890F,G,H; R4795A,D; R7795A,B,C,D	

Honeywell R4795A Primary Controls



Provide solid state, electronic, flame safeguard protection for commercial and industrial single or dual fuel burners. Interchangeable, plug-in amplifiers permit R4795 to be used with rectification or ultraviolet-type flame detectors. R4795A recycles once after flame failure in attempt to re-establish pilot before lockout. R4795D provides lockout on flame failure or flame relay pull-in during prepurge.
Power Consumption (at 60 Hz.): 6.0 W maximum for rectification; 8.0 W maximum for ultraviolet.
Voltage (50/60 Hz.): 120.
Safety Switch Timing: 15 seconds, nominal.
Alarm Contacts: SPDT.
Ambient Temperature Rating: -20° to 115° F.
Required Components (Order Separately):
Mounting Base: Q270A 1024 permits recessed or surface mounting.
Plug-in Amplifier: R7289A 1004, R7289A 1012, R7290A 1001, and R7290A 1019.
Plug-in Purge Timer: ST71A 1000 (7 sec.), ST71A 1042 (10sec.), ST71A 1018 (30 sec.), ST71A 1026 (60 sec.), ST71A 1034 (90 sec.).

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	72416	R4795A1016/U RELAY	

Honeywell R7249 Flame Safeguard Amplifiers



Solid state plug-in units respond to flame detector signal and indicate presence of flame. Used with R4140, R4075C, D, E, R4138C, D flame safeguard controls, and appropriate flame detector.
U.L. Listed.
Industrial Risk Insurers (formerly FIA) acceptable.
Factory Mutual approved.

Plug-in Flame Signal Amplifiers					Applicable Flame Detectors		
Model No.	**Type**	**Device Color**	**Self-Checking**	**Flame Failure Response Time**	**Fuel**	**Type**	**Models**
R7249A 1003	Ultraviolet	Purple	No	2 to 4 sec.	Gas, Oil, Coal	Ultraviolet (Minipeeper)	C7027, C7035

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	72429	R7249A 1003 AMPLIFIER	

Honeywell R7289 and R7290 Flame Safeguard Amplifiers



Solid state, plug-in units allow use of rectification or ultraviolet flame detection.
Use with R4795A and D flame safeguard primary controls and appropriate flame detector.
U. L. Listed.

Model No.	Type	Flame Failure Response Time (seconds)	Use With	Type	Model
R7289A 1004 R7289A 1012[2] R7289A1010[2,3]	Rectification (green)	3.0 0.8 3.0	Gas, oil, coal	Rectifying Photocell Flame Rod, or Ultraviolet (Purple Peeper).	Holders[1]: C7004, C7007. Complete Assemblies: C7005, C7008, C7009, C7010, C7012A, C and Q179.
R7290A 1001 R7290A 1019[2] R7290A 1027[2,3]	Ultraviolet (purple)	3.0 0.8 3.0		Ultraviolet (Minipeeper)	C7027; C7035

[1] Order flame rod separately.

[2] Special Order Items

[3] Minimum Ambient Temperature: -40F

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	72447	R7289A 1004 AMPLIFIER	
1	EA	72448	R7290A 1001 AMPLIFIER	

Honeywell R7795A, B, C, and D Primary Controls



These controls provide solid state, electronic, flame safeguard protection for commercial and industrial single or dual fuel burners. Includes flame signal amplifiers that are color-coded, is field selectable recycle or lockout on flame failure, and requires manual reset after safety switch lockout. U.L. Listed.

Model No.	Voltage (50/60 Hz)	Pilot Function	Flame Detection System		Required Components (Order Separately)		
			Type	Use with Sensor	Plug-In Prepurge Timer		Mounting Subbase
					Number	Sec.	
R7795A 1001	120	Intermittent	U.V.	C7027A, C7035A, Minipeeper	ST795A 1007*	1.5	Q795A 1004 (4 sides) Q795A 1012 (No sides)
R7795B 1009	120	Intermittent	Rectification	Flame rod, rectifying photocell, C7012A, C	ST795A 1015*	7	
					ST795A 1023	10	
R7795C 1007	120	Interrupted	U.V.	C7027A, C7035A,Minipeeper	ST795A 1031	30	
R7795D 1005	120	Interrupted	Rectification	Flame rod, rectifying photocell, C7012A, C	ST795A 1095*	60	
					ST795A 1056	90	

* Special order items

R7795 Controls

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	72481	R7795A 1001 RELAY	
10	EA	72482	R7795B 1009 RELAY	
10	EA	72483	R7795C 1007 RELAY	
10	EA	72484	R7795D 1005 RELAY	

ST795A Timers

1	EA	72760	ST795A 1023 TIMER	
1	EA	72761	ST795A 1031 TIMER	
1	EA	72763	ST795A 1056 TIMER	

Honeywell RA890F Protectorelay Primary Controls



Primary control provides solid state, electronic, flame safeguard protection for industrial and commercial single or dual fuel burners. Uses rectification principle of electronic flame detection. Directly replaces RA890E in most applications, mounts on same Q270A 1024 Subbase. Relights after flame failure in attempt to re-establish pilot before lockout. Safe-start check prevents start-up if flame-simulating failure occurs in flame detector circuit. Includes built-in protection against ignition crossover in flame rod systems.

Model No.*	Voltage 50/60 Hz.	Safety Switch Timing (Sec.)	Flame Failure Response Time (Sec.)‡	Alarm Contacts (SPDT)
RA890F 1270	120	15	0.8	Yes
RA890F 1288	120	15	3.0	Yes
RA890F 1346	120	30	3.0	Yes

* For new installation, also specify Q270A 1024 base.
‡ 3-second response is recommended for nonrecycling ignition cutoff service.

Approximate Dimensions (including subbase):
5" H x 5" W x 4-3/4" D.
U.L. Listed.
Industrial Risk Insurers acceptable.
Factory Mutual approved.
AGA design certified for -20° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	72611	RA890F 1270 PROTECTORELAY	
10	EA	72618	RA890F 1288 PROTECTORELAY	
10	EA	72609	RA890F 1346 PROTECTORELAY	

Honeywell RA890G Protectorelay Primary Controls



Primary control provides solid state, electronic, flame safeguard protection for industrial and commercial single or dual fuel burners. Used for interruped ignition and intermittent pilot on gas burners; interrupted or intermittent ignition on oil burners. Uses C7027, C7035, or C7044 Minipeeper Ultraviolet Flame Detector for flame sensing. Mounts on Q270A 1024 subbase (order separately). Relights after flame failure in attempt to re-establish pilot before lockout. Test jack permits reading of flame signal.

Model No.*	Voltage 50/60 Hz.	Safety Switch Timing (Sec.)	Flame Failure Response Time (Sec.)‡	Alarm Contacts (SPDT)
RA890G 1229	120	15	0.8	Yes
RA890G 1260	120	15	3.0	Yes

*For new installation, also specify Q270A 1024 base.
‡ 3-second response is recommended for nonrecycling ignition cutoff service.

- Ambient Temperature Range: -20° to 115° F (50 Hz models).
- Approx. Dimensions (with subbase): 5" H x 5" W x 4-3/4" D.
- U.L. Listed (120V models only).
- Factory Mutual approved.
- AGA design certified for -20° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	72621	RA890G 1229 PROTECTORELAY	
10	EA	72622	RA890G1260/U PROTECTORELAY	

M-Series and MicroM FlameSafeguard Components

Selection Guide

M-Series

M-Series II Replacement Components				
Part Number	Chassis	Amplifier	Programmer	Programmer Dipswitch #8
UVM1D	MC120	MAUV1T	MP100	N/A
UVM1F	MC120	MAUV1	MP100	N/A
TFM1D	MC120	MART1T	MP100	See Note 1
TFM1F	MC120	MART1	MP100	See Note 1
UVM2	MC120	MAUV1	MP230	Off
TFM2	MC120	MART1	MP230	Off
UVM3	MC120	MAUV1	MP230	On
TFM3	MC120	MART1	MP230	On
UVM3H	MC120	MAUV1	MP230H	On
TFM3H	MC120	MART1	MP230H	On
UVM5	MC120	MAUV1	MP560/562	On
UVM6	MC120	MAUV1	MP560/562	See Note 2

N/A: Not Applicable. Programmer Dipswitches apply to MP230H and MP560 only. Dipswitch #8 sets Recycle/Non-Recycle Operation. MP560 Programmer Module has Check-Run Switch. Note 1: For Standing Pilot, clip out red jumper on MP100. Note 2: Dipswitch #8 is ON when red jumper of UVM6 is clipped.

MicroM

MicroM Replacement Components			
Chassis	Amplifier	Programmer	Programmer Dipswitch #6
MEC120	MEUV1	MEP100	N/A
MEC120	MEUV4	MEP100	N/A
MEC120	MERT1	MEP100	N/A
MEC120	MERT4	MEP100	N/A
MEC120	MEUV4	MEP230	C
MEC120	MERT4	MEP230	C
MEC120	MEUV4	MEP230	O
MEC120	MERT4	MEP230	O
MEC120	MEUV4	MEP230H	O
MEC120	MERT4	MEP230H	O
MEC120	MEUV4	MEP560	O
MEC120	MEUV4	MEP560	C

N/A: Not Applicable. Programmer Dipswitches apply to MEP200 and MEP500 Series Programmers. Dipswitch #6 sets Recycle/Non-Recycle Operation. (O = Non-Recycle and C = Recycle). MEP500 Series Module has Check-Run Switch.

Programmer Dipswitch Settings

M Series						
#1	#2	#3	#4	#5	#6	#7
On	OFF	OFF	OFF	OFF	ON	OFF
OFF	ON	OFF	OFF	OFF	ON	OFF
OFF	OFF	ON	OFF	OFF	ON	OFF
OFF	ON	OFF	OFF	OFF	OFF	ON
OFF	OFF	ON	ON	OFF	ON	OFF
OFF	OFF	ON	OFF	OFF	OFF	ON
OFF	OFF	OFF	ON	OFF	OFF	ON
OFF	OFF	ON	ON	OFF	OFF	ON

Dipswitches #1 through #5 set Purge Timing. Dipswitches #6 through #7 set TFI Timing.

MicroM			
#1	#2	#3	#4
C	C	C	C
C	C	C	C
O	C	C	C
C	C	O	O
O	O	C	C
O	C	O	O
C	O	O	O
O	O	O	O

Dipswitches #1 and #2 set Purge Timing. Dipswitch #4 sets TFI Timing.
Dipswitch #6 sets Recycle/Non-Recycle.

Modular M-Series Flame Safeguard Controls



Flame Amplifiers

The Fireye MART1, MART1T, and MAUV1 are amplifier modules with the Fireye Modular M-Series II control. These amplifier modules provide flame scanning capabilities using any of the Fireye standard ultraviolet scanners (self-check scanners, not applicable), flame rods, and photocells.

The Flame Failure Response Time (F.F.R.T) of the control is determined by the selection of the amplifier module (see M-Series Cross Reference Listing). Test jacks are provided on the amplifier modules to permit flame signal measurement during operation.

Flame Amplifier Selection

Model No.	Description	Use with Scanner
MART1	Flame rectification amplifier 2-4 second F.F.R.T.	45CM1, 69ND1
MART1T	Flame rectification amplifier .8 second F.F.R.T.	45CM1, 69ND1
MAUV1	UV amplifier, 2-4 second F.F.R.T.	UV1A, UV2, UV8A, 45UV3-1050

Chassis

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH	PC-3 EXCH
1	EA	77408	MC120 CHASSIS		

Amplifier Modules

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77397	MART1 FLAME RECT AMP MODULE	
1	EA	77403	MART1T FLAME RECT AMP MODULE	
1	EA	77405	MAUV1 UV AMP MODULE	
1	EA	77425	61-3060 FIREYE BASE	

Programmer Modules

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH	PC-2 EXCH
1	EA	77347	MP230H PROGRAMMER MODULE		
1	EA	77348	MP560 PROGRAMMER MODULE		
1	EA	77349	MP562 PROGRAMMER MODULE		
1	EA	77409	MP100 PROGRAMMER MODULE		
1	EA	77410	MP230 PROGRAMMER MODULE		

Modular MicroM Flame Safeguard Controls



The Fireye MicroM Series Flame Safeguard Control is a compact, microprocessor based, modular burner management system designed to provide automatic ignition and continuous flame monitoring for commercial sizes of heating and process equipment firing any type of fuel.

The MicroM is designed to be backward compatible with existing M-Series controls. The advantages of the MicroM are zero dependence on discrete components previously used for timing functions. The Micro M, through the use of micro-controller technology, incorporates smart diagnostic LEDs, smart reset function, optional alpha-numeric display output (ED510), and serial communications via a Modbus or E500 Communication Interface. The MicroM system also provides additional amplifier selections.

Amplifier Modules

The Fireye MEUV4 is an Amplifier Module used with the Fireye Modular MicroM control. This amplier module provides flame scanning capabilities using any of the Fireye standard ultraviolet scanners, self-check scanners, infrared scanners, cadmium sulfide scanners, flame rods, and photocells.

The Flame Failure Response Time (FFRT) of the control is determined by the selection of the amplifier module. Test jacks are provided on the amplifier modules to permit flame signal measurement during operation and is a uniform 0-10 vdc for all models.

Programmer Modules

The MEP 230 features selectable purge timing, PTFI timing, Recycle/Non-Recycle, post purge, and prove air open at start.

Plug-in Board Module

The MicroM provides remote reset, remote alpha-numeric display, and serial communications as stand-alone or in combination through the employment of an optional board.

Flame Amplifier Selection

Model No.	Description	Use with Scanner
MEUV4	UV amplifier, 3 second F.F.R.T.	UV1A, UV2, UV8A, 45UV3-1050
MERT4	Flame Rod/Photocell Amplifier, 3 Second F.F.R.T	69NDI, 45 CM1

Chassis

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH	PC-3 EXCH
1	EA	77333	MEC120 MICRO M CHASSIS		

Amplifier Module

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77336	MEUV4 MICRO M AMPLIFIER	

Programmer Module

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH	PC-2 EXCH
1	EA	77335	MEP230 MICRO M PROGRAMMER		

Plug-in Board Module

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77340	MED6 MICRO M PLUG-IN BOARD MODULE	

Burner Control Components



60-1386-2 Base: Surface mount for D and E Series control systems.
60-1466-2 Base: Cabinet mount for D and E Series control systems.
Replacement Components for Modernization Kits:
PFM1R, PFM2R, PFM3R, PFM9R, and PFM10R
E110: Consists of one each EB700, 48-1836, and EC600.
EP160: Selectable 60 Sec. purge, 10 and 15 Sec. T.F.I., non-recycle.
EP260: Selectable 60 sec. purge, 10 and 15 sec. T.F.I., recycle.
EP390: Selectable 90 sec. purge, 5 and 10 sec. T.F.I., selectable recycle/non-recycle, no modulation.
EIR1: Infrared auto-check, use with 48PT2.
EUV1: Ultraviolet, use with UV1 or 45UV3.
ERT1: Flame rectification.

C and D Series Upgrade to EPD Programmer Modules and Flame-Monitor Systems

Model No. Series C	Series D Component	Flame-Monitor Using EPD Modules	Flame-Monitor Components
25CU6-5065	72DUV1	EPD160 EUV1	RP160 EUV1
25CU6-5066	72DUV1	EPD260 EUV1	EP260 EUV1
25CF6-5022	72DIR1	EPD160 EIR1	EP160 EIR1
26CF6-5023	72DIR1	EPD260 EIR1	EP260 EIR1
25CU6-5062	70D30 72DUV1	E110 EPD380 EUV1	E110 EUV1

Model No. Series C	Series D Component	Flame-Monitor Using EPD Modules	Flame-Monitor Components
25CU6-5063	70D30 72DUV1	E110 EUV1	E110 EUV1
25CF6-5020	70D30 72DIR1	E110 EPD380 EIR1	E110 EIR1
25CF6-5021	70D30 72DIR1	E110 EIR1	E110 EIR1
24CJ5-5010	70D30	E110 EPD380 ERT1	E110 ERT1
24CJ5-5011	70D30	E110 ERT1	E110 ERT1

NOTE: When E110 and E100 Chassis are used, terminal 13 must be powered from 3 to 13 on the wiring base.

Bases

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77424	60-1386-2 FIREYE BASE	
1	EA	77426	60-1466-2 FIREYE BASE	

Programmers and Amplifiers

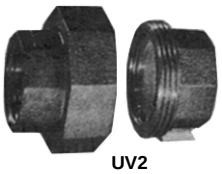
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH	PC-2 EXCH
1	EA	77439	72DUV1 AMPLIFIER		

Replacement Components for Modernization Kits

1	EA	77353	EP160 MODULE		
1	EA	77354	EP260 MODULE		
1	EA	77356	EP390 MODULE		
1	EA	77357	E1R1 AMPLIFIER		
1	EA	77358	ERT1 AMPLIFIER		
1	EA	77359	EUV1 AMPLIFIER		
1	EA	77898	E-110 FLAME MONITOR		
1	EA	77901	ED510 KEYPAD DISPLAY		

Scanners and Scanner Parts


45UV5-1009


UV2


48PT2-1007


48PT2-9007


UV-1A6

- **45UV5-1009** Ultraviolet selfcheck scanner with 1" NPT connection
- **48PT2-1007** Infrared scanner with 48" leads and straight head
- **48PT2-9007** Infrared scanner with 48" leads and 90° head
- **UV1A6** Ultraviolet scanner with 72" shielded leads and 1/2" NPT connection
- **UV2** Ultraviolet scanner with 36" shielded leads and 3/8" NPT connection
- **4263-1** Firetron cell for 48PT2
- **35-69** Heat insulator with 1/2" connection for 48PT and UV1A

Scanners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77423	45UV5-1009 UV SCANNER	
1	EA	77389	48PT2-1007 INFRARED SCANNER	
1	EA	77390	48PT2-9007 INFRARED SCANNER	
1	EA	77382	UV1A6 UV SCANNER	
1	EA	77383	UV2 UV SCANNER	

Scanner Parts

1	EA	77377	4-263-1 FIRETRON CELL F/48PT2	
1	EA	77385	35-69 HEAT INSULATOR	

668 Series Kwik-Sensor Cad Cell Relays



668-430 replaces intermittent ignition Kwik-Sensor cad cell relays on oil burner systems with 45 second safety timing. Signal light glows whenever safety lock-out occurs. Use with 956-154 flame detector. 120 Vac, 60 Hz. standard input voltage, and 24 Vac control voltage. 10" useable leads and mounts to 4" x 4" junction box.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75563	668-430 KWIK-SENSOR	

Honeywell 7800 Series Burner and Boiler Controls

The 7800 Series Burner Control is a micro- processor based integrated control for gas, oil, or combination fuel single burner application. The 7800 Series consists of a relay module, subbase, amplifier, keyboard display module, and purge card. Options include personal computer communication interface, control bus module, remote display mounting, first out expanded annunciator, and ZM7850 combustion system manager.

The 7800 Series is programmed to provide safety, functional capability, and features beyond the capacity of conventional controls. The 7800 Series is Underwriters Laboratories Inc., listed, Canadian Standards Association listed, and Factory Mutual approved.

Functions provided by the 7800 Series include automatic or semi-automatic burner sequencing, flame supervision, system status indication, historical files (total cycles, total hours, last six lockouts), system or self-diagnostics, and troubleshooting aid.

The 7800 Series communication interface option provides local and remote monitoring and diagnostics of the 7800 Series by using an IBM® equivalent personal computer and Microsoft Windows 3.0 (or current) software.

The first out expanded annunciator provides system status indication for up to 21 points for system and self diagnostics beyond standard 7800 Series functions. The S7800 remote keyboard display module mounting provides system status monitoring from multiple locations.

Features

- Dynamic self-check logic.
- Dynamic safety relay test.
- Tamper resistant timing and logic.
- Dynamic input check.
- First out annunciation and system diagnostics are provided by a 40 character vacuum fluorescent display (VFD) located on the keyboard display module.
- Five LEDs for system sequence status.
- Five function Run/Test switches.
- Nonvolatile memory, (7800 Series retains history files and sequencing status after loss of power).
- Interchangeable plug-in flame amplifiers.
- Dependable, long term operating microcomputer technology.
- Communication interface capability.
- Local or remote annunciation of 7899 Series shutdowns.
- First out expanded annunciation with 24 LEDs for limit or interlock status.
- Application flexibility.
- Off cycle flame signal check
- Pre-ignition interlock check
- Airflow switch check
- Configuration jumpers for sequence timings and tests
- Field selectable flame failure response timings
- Interchangeable purge timers
- Remote rest
- Modernization adapter subbases
- Interchangeable mounting subbases
- Burner Controller Data
  - Sequence status
  - Sequence time
  - Hold status
  - Lockout/alarm status
  - Flame signal strength
  - Expanded annunciator status
  - Total hours of operation
  - Total cycles of operation
  - Fault history, of the six most recent faults
    - Fault Message and Code
      - Sequence status at the time of fault
      - Expanded annunciator data at the time of fault
      - Cycles of operation at the time of fault
      - Hours of operation at the time of fault
    - Diagnostic information
      - Relay module type
      - Software revision and version
      - On/off status of all digital inputs/outputs
      - Status of configuration jumpers
      - Selected prepurge time
      - Flame failure response time
      - Flame amplifier type
      - Manufacturing date code

Specifications

- **Electrical Ratings:**
  - Relay Module: 120VAC (+10/-15%); 50 or 60 Hz. (+/-10%).
  - Display Module: 13 Vdc (+10/-15%); 50 or 60 Hz. .
  - Expanded Annunciator: 120 Vac (+10/-15%); 50 or 60 Hz.
- **Power Dissipation:**
  - Relay Module: 10 watts maximum.
  - Expanded Annunciator: 5 watts maximum.
  - Keyboard Display Module: 3 watts maximum.
  - Communication Interface: 5 watts maximum.
  - Maximum Total Connected Load: 200VA
- **Fusing:**
  - 7800 Series: 15A maximum, type FRN or equivalent.
  - Total System: 20A maximum, type FRN or equivalent.
- **Dimensions:** 5" x 5" x 5-1/4" (relay module, amplifier, keyboard display module, purge timer, and panel type mounting subbase).

Honeywell 7800 Series Burner and Boiler Controls

RM7800 and RM7840 Programmers



The 7800 Series control family will provide a complete enhanced electronic burner and boiler product line to replace RA890 flameswitches and R4140, R4795, R7795, BC7000 and competitive controls.

Required Components:
Q7800A or Q7800B Subbase
ST7800 Purge Timer
RM7847/48/49 Flame Amplifier

Approval Bodies:
U.L.: File MP268 Guide MCC2
CSA: LR9S329-3
FM: J11V9AO.AF
IRI: Acceptable
FCC: Part 15, Class B
CDC: CS-03, No. 5733459A

Device	Replacement For	Display	Dust Cover Optional Display	ESP	Modulation	Non-modulation	Preignition	Running	Lockout	Low Fire Interlocks	High Fire Interlocks	Selectable Prepurge Timing	4 or 10 sec. PFEP*	Airflow Check Option	Preignition Check in Post Purge	5 LEDs	Rectification	Infrared	Ultraviolet
RM7800L	BC7000/PM720L or R4140L	X			X		X	X		X	X	X	X	X	X	X	X	X	X
RM7840G	R4140G		X		X		X	X		X		X	X	X	X	X	X	X	X
RM7840L	R4140L		X		X		X		X	X	X	X	X	X	X	X	X	X	X
RM7840M	R4140M		X			X	X	X		X		X	X	X	X	X	X	X	X
RM7838A	R4138A,C	X	X			X		X			X	X	X			X	X	X	X

*PFEP (Pilot Flame Establishing Period)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH
1	EA	74662	RM7838A 1014 BURNER CONTROL	
1	EA	74664	RM7800L 1012 BURNER CONTROL	
1	EA	74668	RM7840L 1018 BURNER CONTROL	
1	EA	74675	RM7840M1017/U BURNER CONTROL	
1	EA	74677	RM7840G 1014 BURNER CONTROL	

Honeywell 7800 Series Burner and Boiler Controls

Q7800 and ST7800, Subbases and Adaptor Plate for all 7800 Series Controls



Q7800A, B Universal Wiring Subbase



Q7800 Panel Mount



ST7800A

Device	Description	Mounting	Construction
Q7800A	Universal Wire Base for all 7800 Series Controls	Panel	Plastic
Q7800B	Universal Wire Base for all 7800 Series Controls	Burner/Wall	Metal
Q7800E*	Adapter Subbase for Fireye "E" Series Controls	—	—
Q7800F*	Adapter Subbase for RA890 and R4795	—	—

*Special order items.

Subbases and Adaptor Plate

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH
1	EA	74671	Q7800A1005/U SUBBASE	
1	EA	74672	Q7800B 1003 SUBBASE	

Purge Timers

Timing	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH
30 Sec.	1	EA	74689	ST7800A1039/U 30 SEC PURGE TIMER	
40 Sec.	1	EA	74690	ST7800A 1047 40 SEC PURGE TIMER	
60 Sec.	1	EA	74691	ST7800A 1054 60 SEC PURGE TIMER	
90 Sec.	1	EA	74692	ST7800A1002/U 90 SEC PURGE TIMER	
7 Sec.	1	EA	74694	ST7800A 1013 7 SEC PURGE TIMER	

Other models available, please ask your Berkheimer representative for details.

Available in the Chicago Area, the Gary Area, South Bend, and Fort Wayne.

Honeywell 7800 Series Burner and Boiler Controls

Plug-in Flame Signal Amplifiers



Plug-in Flame Signal Amplifiers				Applicable Flame Detectors			
Model No.	**Description**	**Color**	**Self-Checking**	**Flame Failure Response Time**	**Use With**	**Type**	**Model No.**
R7847A1025	Rectification	Green	No	.8 or 1 Sec.	Gas	Rectifying Flame Rod Holders[c]	C7004, C7007, C7011, C7008, C7009, Q179
					Oil	Photo Cell	C7010, C7013, C7014
R7847A1033	Rectification	Green	No	2 or 3 Sec.	Gas	Rectifying Rod Holders[c]	C7004, C7007, C7011, C7008, C7009, Q179
					Oil	Photo Cell	C7010, C7013, C7014
R7847Bb1031	Rectification	Green	Dynamic Amplicheck	2 or 3 Sec.	Gas	Rectifying Flame Rod Holders[c]	C7004, C7007, C7011, C7008, C7009, Q179
					Oil	Photo Cell	C7010, C7013, C7014
R7847C1005	Rectification	Green	Dynamic Self-Check	2 or 3 Sec.	Gas, Oil, Coal	Ultraviolet (Purple Peeper)	C7012E, F
R7848A1008	Infrared	Red	No	2 or 3 Sec.	Gas, Oil, Coal	Infrared (Lead Sulfide)	C7015
R7849A1023	Ultraviolet	Purple	No	2 or 3 Sec.	Gas, Oil	Ultraviolet (Minipeeper)	C7027, C7035, C7044[a]
R7849B[b]1013	Ultraviolet	Purple	Dynamic Amplicheck	.8 or 1 Sec.	Gas, Oil	Ultraviolet (Minipeeper)	C7027, C7035, C7044[a]
R7849B1021	Ultraviolet	Purple	Dynamic Amplicheck	2 or 3 Sec.	Gas or Oil	Ultraviolet (Minipeeper)	C7027, C7035, C7044[a]

[a] R7849A. B and C7027, C7035, and C7044 Flame Detectors should be used only on burners that cycle on-off at least every 24 hours. Appliances with burners that remain on for 24 hours continuously or longer should use C7012E/F Flame Detector with R7847C Amplifier or C7076A, D Flame Detector with R7886A Amplifier as ultraviolet flame detection system.

[b] Circuitry tests flame signal amplifier at least 12 times a minute during burner operation and shuts down burner if amplifier fails.

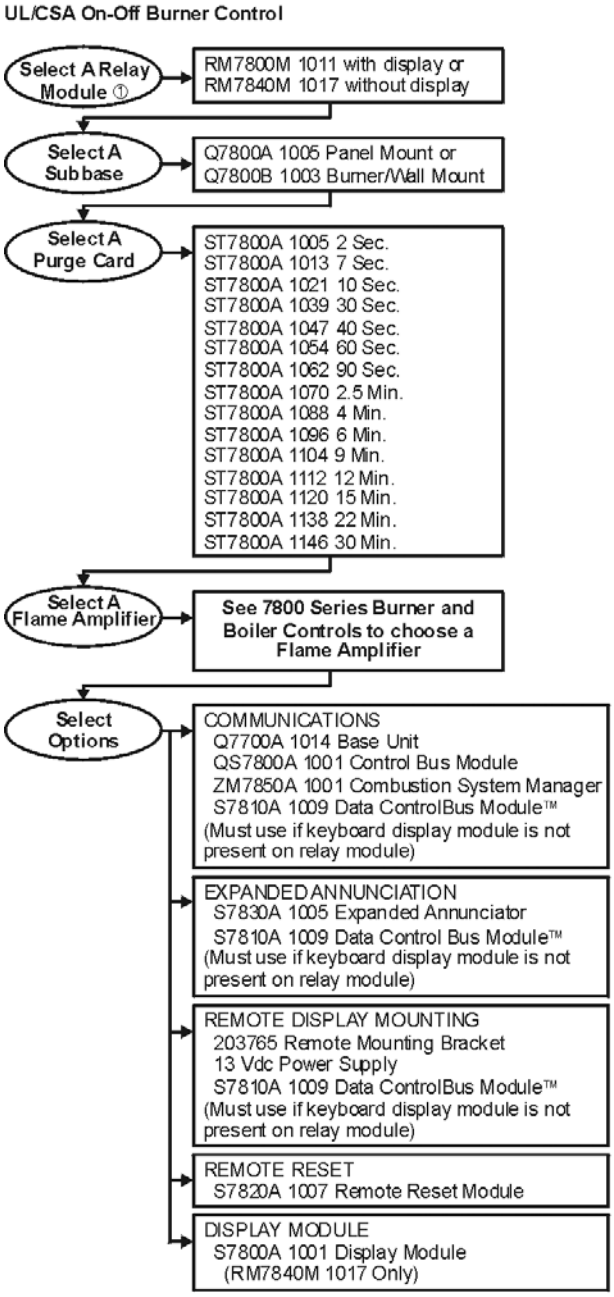
[c] Order flame rod separately; see instructions for holder.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH
1	EA	74673	R7847A 1025 AMPLIFIER	
1	EA	74674	R7847A 1033 AMPLIFIER	
1	EA	74676	R7847B 1031 AMPLIFIER	
1	EA	74678	R7847C 1005 AMPLIFIER	
1	EA	74679	R7848A 1008 AMPLIFIER	
1	EA	74682	R7849B 1021 AMPLIFIER	
1	EA	74683	R7849A 1023 AMPLIFIER	
1	EA	74684	R7849B 1013 AMPLIFIER	

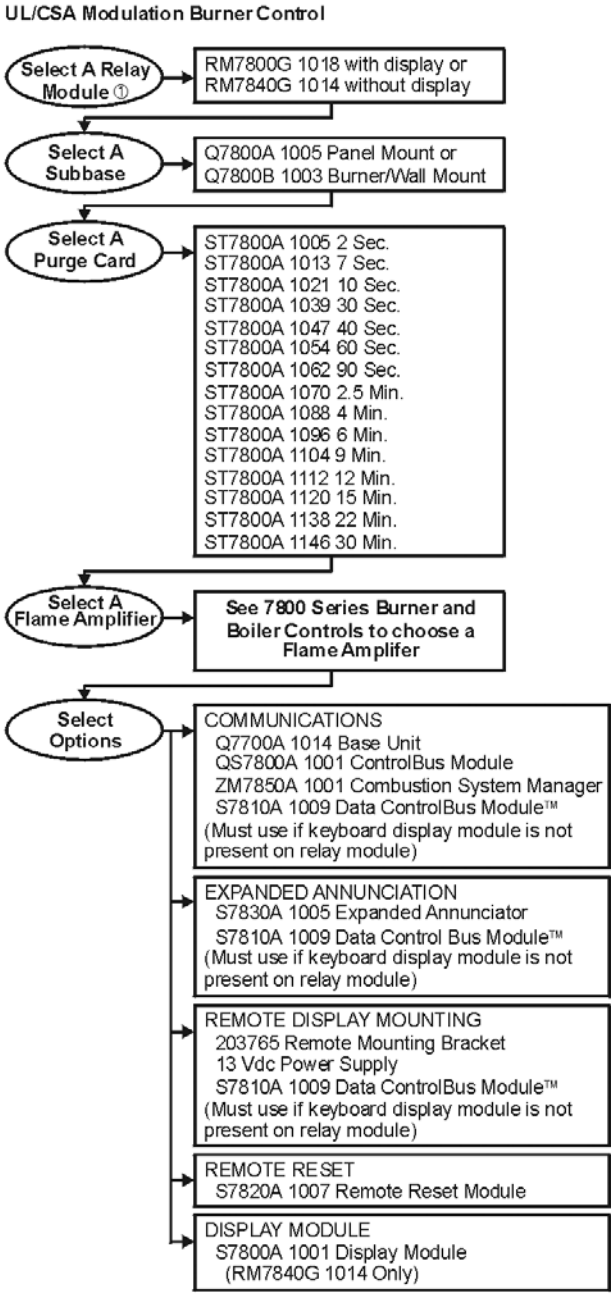
Available in the Chicago Area, the Gary Area, South Bend, and Fort Wayne.

Honeywell Burner Control Selection Flow Chart

On-Off Burner Control UL RM7800/7840 M



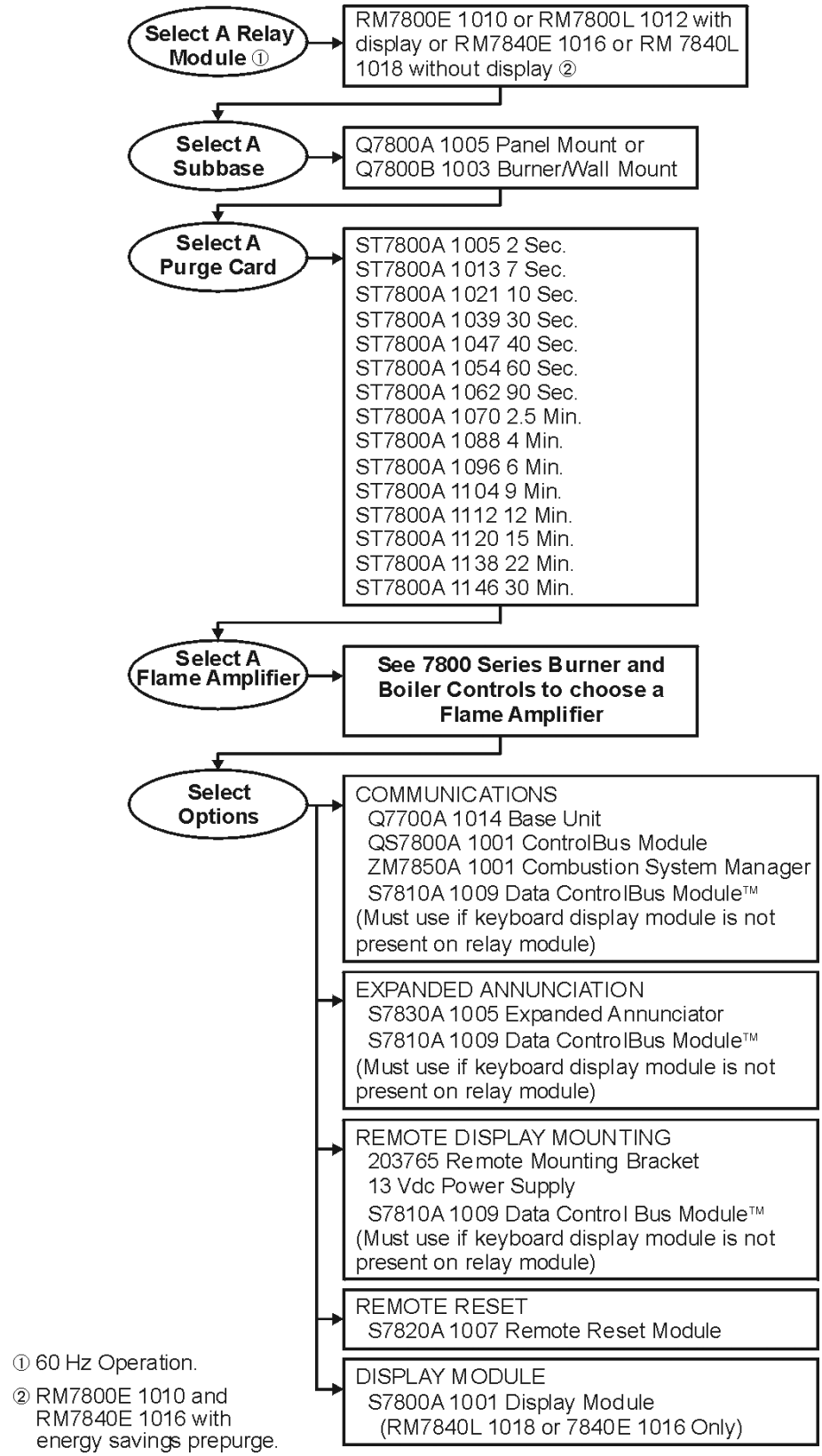
Modulation Burner Control UL RM7800/7840 G



① 60 Hz Operation.

Honeywell Modulation Burner Control

FM/IRI RM7800/7840 E or L



① 60 Hz Operation.

② RM7800E 1010 and RM7840E 1016 with energy savings prepurge.

Honeywell 7800 Series Communication Accessories

For Use with 7800 Series Burner and Boiler Controls
S7830, S7820, S7820, and S7810



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH
1	EA	74686	S7810A 1009 DATA CONTROLBUS MODULE	
1	EA	74687	S7820A1007/U REMOTE RESET	
1	EA	74688	S7800A 1001 KEYBD DISPLAY MODULE	

Available in the Chicago Area, the Gary Area, South Bend, and Fort Wayne

Honeywell RM7895A, C Full Function Primary Control



Microprocessor-based integrated primary burner control for automatically fired gas, oil, coal, or combination fuel, single burner applications.

RM7895A. Intermittent primary relay module without AFSC, 60 Hz.
RM7895C. Interrupted primary relay module without AFSC, 60 Hz.

Model No.	Replaces	Initiate	Standby	Purge	Flame Establishing Period		Airflow Switch Check (AFSC)	Delayed Main Valve
					Pilot	Main		
RM7859A	R7795A, B	10 Sec.	*	**	4 or 10 Sec.	No	No	No
RM7895C	R7795C, D	10 Sec.	*	**	4 or 10 Sec.	10 Sec.	No	Yes

* Standby and Run can be an infinite time period.

**Purge will be determined by which ST7800 Purge Timer is selected.

NOTE: To replace R7795A, C select R7849A Flame Signal Amplifier. To replace R7795B, D select R7847A Flame Signal Amplifier.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH
1	EA	74666	RM7895C 1012 BURNER CONTROL	
1	EA	74667	RM7895A1014/U BURNER CONTROL	

Honeywell RM7890A, B Primary Controls

Upgrade for RA890 Series Combustion Controls



Microprocessor-based integrated primary burner control for automatically fired, gas, oil, coal, or combination fuel burner applications.
Dimensions: 5" W x 5" H x 3-1/32" D.

Options Available for the RM7890

S7800 Keyboard Display Module
S7820 Remote Reset
Q7700 Based Communication

Functional Enhancement for RA890

RM7890A: Automatic primary control, 60 Hz., with 4 or 10 sec. PFEP, recycle or lockout on flame failure, 5 LEDs, dustcover.
RM7890B: Automatic primary control, 60 Hz., with 4 or 10 sec. PFEP, recycle or lockout on flame failure, shutter drive, 5 LEDs, dustcover.

RA890 to RM7890A Cross-Reference

Old Model No. RA890	New Model No. RM7890	Voltage	Safety Switch Timing Sec.	Flame Response	Alarm Control	Flame Sensor
RA890F 1270	RM7890A 1015	120	15	0.8	SPDT	Flame Rod, Rect. Cells, C7012,and U.V.
RA890F 1288	RM7890A 1015	120	15	3.0	SPDT	
RA890F 1346	RM7890A 1015	120	30	3.0	SPDT	
RA890F 1361	Step down to 120V*	240	30	3.0	SPDT	
RA890F 1387	Step down to 120V*	240	15	3.0	SPDT	
RA890G 1229	RM7890A 1015**	120	15	0.8	SPDT	Interrupted, C7027, C7035, C7044
RA890G 1260	RM7890A 1015**	120	15	3.0	SPDT	

* For 240V RA890 must provide 120V to convert to RM7890A 1015.

** For C7012E/F scanner use RM 7890B 1014.

Use RM8990A 1015 to Replace the Following RA890 Models

RA890E 1009	RA890E 1415	RA890E 1918	RA890F 1130	RA890F 1502
RA890E 1033	RA890E 1447	RA890E 1926	RA890F 1239	RA890F 1510
RA890E 1066	RA890E 1462	RA890E 1934	RA890F 1247	RA890F 1526
RA890E 1090	RA890E 1496	RA890E 1942	RA890F 1254	RA890F 1551
RA890E 1124	RA890E 1520	RA890F 1007	RA890F 1262	RA890F 1569
RA890E 1157	RA890E 1587	RA890F 1015	RA890F 1270	RA890F 1627
RA890E 1181	RA890E 1603	RA890F 1023	RA890F 1288	RA890F 1700
RA890E 1215	RA890E 1629	RA890F 1031	RA890F 1388	RA890F 1718
RA890E 1249	RA890E 1645	RA890F 1049	RA890F 1346	RA890H 1003
RA890E 1280	RA890E 1678	RA890F 1056	RA890F 1437	RA890H 1052
RA890E 1314	RA890E 1702	RA890F 1064	RA890F 1476	RA890K 1006
RA890E 1348	RA890E 1777	RA890F 1072	RA890F 1486	
RA890E 1389	RA890E 1827	RA890F 1122	RA890F 1494	

NOTE: When C7012E or F is used with RA890 use RM7890B 1014 rather than RM7890A 1015. 208/240 Vac R890s are not listed. Step down to 120 Vac and use RM7890A 1015.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH
1	EA	74669	RM7890A 1015 RELAY MODULE	
1	EA	74670	RM7890B 1014 RELAY MODULE	

Available in the Chicago Area, the Gary Area, South Bend, and Fort Wayne

Honeywell Modutrol IV Cross Reference

Old Model No.	New Model No.	Or	Configure Tradeline Model as Described	Set Stroke to (degrees)	Add Internal Transformer	Add Aux. Switches	Comments
M445A 1000	M4185B 1009		M8185D 1006	160	120V	1	
M445A 1042	M4185B 1017		M8185D 1006	160	208/240V	1	
M445A 1067	M4185B 1025		M8185D 1006	160	220V	1	
M445D 1007	M4185A 1001		M8185D 1006	160	120V		
M644A 1016	M6184D 1035		M6184D 1035	160			
M644A 1024	M6184A 1015		M6184D 1035	90			
M644B 1049	M6184A 1023		M6184D 1035	160	120V		Replaced motor is 15/30 seconds.
M644C 1006	M6184D 1001		M6184D 1035				
M644C 1014	M6194D 1017		M6194D 1017	160			
M644D 1005	M6184F 1006		M6184D 1035			2	
M644E 1012	M6194B 1003		M6194D 1007	90		1	
M644E 1053	M6194E 1006		M6194D 1007				
M734D 1004	M7364A 1007		M9164D 1009	160	120V		Add Q7330A.
M734D 1012	M7364A 1015		M9164D 1009	90	120V		Add Q7330A.
M734D 1038	M7364A 1023		M9164D 1009	160			Add Q7330A.
M734H 1000	M7164G 1006		M9164D 1009	90	120V		Add Q7130A set at 10.5-13.5 Vdc.
M734H 1018	M7164G 1014		M9164D 1009	90	120V		Add Q7130A set at 4-7 Vdc.
M734H 1026	M7164G 1022		M9164D 1009	160			Add Q7130A set at 4-7 Vdc.
M734J 1015	M7164A 1009		M9164D 1009	160			Add Q7130A set at 4-7 Vdc.
M734J 1056	M7164A 1017		M9164D 1009	90			Add Q7130A set at 10.5-13.5 Vdc.
M734J 1072	M7164B 1007		M9164D 1009	160	120V	1	Add Q7130A set at 6-9 Vdc.
M744A 1006	M7384A 1003		M9184D 1013a	160	120V		Add Q7330A.
M744A 1014	M7384A 1011		M9184D 1013a	90	120V		Add Q7330A.
M744D 1003	M7184A 1005		M9184D 1013a	160	120V		Add Q7130A set at 4-7 Vdc.
M744S 1005	M7284A 1004		M9184D 1013a	90	120V		Add Q7230A set at 4-20 mA.
M744S 1013	M7284A 1012		M9184D 1013a	160	120V		Add Q7230A set at 4-20 mA.
M744T 1004	M7284C 1000		M9184D 1013a	90	120V	2	Add Q7230A set at 4-20 mA.
M744T 1012	M7284C 1018		M9184D 1013a	160	120V	2	Add Q7230A set at 4-20 mA.
M744Y 1009	M7284Q 1009		M9184D 1013a	90	120V	2	Add Q7230A set to desired range.
M744Y 1017	M7284Q 1017		M9184D 1013a	160	120V	2	Add Q7230A set to desired range.
M745A 1003	M7385A 1002		M9185D 1004	90			Add Q7330A.
M745A 1011	M7385A 1010		M9185D 1004	160			Add Q7330A.
M745G 1007	M7186G 1000		M9185D 1004	160			Add Q7130A set at 4-7 Vdc.
M745L 1027	M7685A 1009		M9185D 1004	160			Add Q7630A.
M745L 1043	M7685A 1017		M9185D 1004	90			Add Q7630A.
M745P 1007	M7185A 1004		M9185D 1004	160			Add Q7130A set at 4-7 Vdc.
M745S 1002	M7285A 1003		M9185D 1004	90	120V		Add Q7230A set at 4-20 mA.
M745S 1010	M7285A 1011		M9185D 1004	160	120V		Add Q7230A set at 4-20 mA.
M745T 1001	M7285C 1009		M9185D 1004	90	120V	2	Add Q7230A set at 4-20 mA.
M745T 1019	M7285C 1017		M9185D 1004	160	120V	2	Add Q7230A set at 4-20 mA.
M745Y 1006	M7285Q 1008		M9185D 1004	90	120V	2	Add Q7230A set to desired range.
M745Y 1014	M7285Q 1016		M9185D 1004	160	120V	2	Add Q7230A set to desired range.
M845A 1001	M8185B 1000		M8185D 1006	160		1	
M845A 1027	M4185B 1041		M8185D 1006	160	120/208/240V	1	
M845A 1035	M4185B 1058		M8185D 1006	90	120/208/240V	1	
M845C 1009	M8185A 1002		M8185D 1006	160			
M845E 1007	M4186H 1005		M8185D 1006	160	120V	1	Replaced model is N.O.b
M934A 1201	M9164A 1013		M9164D 1009	160	120/208/240V		
M934A 1219	M9164A 1021		M9164D 1009	160	120V		
M934A 1227	M9164D 1009		M9164D 1009	160			
M934A 1235	M9164A 1047		M9164D 1009	160	220V		
M934A 1243	M9164C 1001		M9164D 1009	160		2	
M934A 1250	M9164C 1019		M9164D 1009	160	120V	2	
M934A 1268	M9164C 1027		M9164D 1009	160	120/208/240V	2	
M934A 1284	M9164A 1096		M9164D 1009	160	120V		
M934A 1292	M9164C 1043		M9164D 1009	160	120V	2	
M934A 1318	M9164C 1035		M9164D 1009	90	120V	2	
M934A 1326	M9164A 1054		M9164D 1009	90	120V		
M934A 1334	M9164A 1062		M9164D 1009	90			
M934A 1342	M9164A 1070		M9164D 1009	160			
M934D 1000	M9174B 1001		M9174D 1007	160	120V	1	
M934D 1018	M9174C 1009		M9174D 1007	160	120V	2	
M934D 1026	M9174B 1019		M9174D 1007	90	120V	1	
M934D 1034	M9174C 1017		M9174D 1007	90	120V	2	

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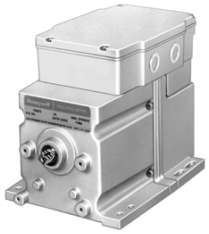
Old Model No.	New Model No.	Or	Configure Tradeline Model as Described	Set Stroke to (degrees)	Add Internal Transformer	Add Aux. Switches	Comments
M941A 1008	M9484D 1002		M9184D 1013a				Replaced motor is 15/30 seconds.
M941A 1016	M9484D 1010		M9184D 1013a				
M941A 1024	M9494D 1000		M9194D 1003				
M941A 1032	M9484D 1028		M9184D 1013a				
M941A 1057	M9484D 1036		M9184D 1013a				Replaced motor is 15/30 seconds.
M941C 1006	M9484E 1009		M9184D 1021a			1	Replaced motor is 15/30 seconds.
M941C 1014	M9484E 1017		M9184D 1013a			1	
M941C 1022	M9484E 1025		M9184D 1013a			1	
M941C 1030	M9484E 1033		M9184D 1013a			1	
M941C 1063	M9484E 1058		M9184D 1021a			1	
M941D 1005	M9484F 1007		M9184D 1013a			2	
M941D 1021	M9484F 1023		M9184D 1021a			2	Replaced motor is 15/30 seconds.
M941D 1039	M9484F 1031		M9184D 1021a			2	
M941D 1047	M9484F 1049		M9184D 1013a			2	
M944A 1010	M9184A 1019		M9184D 1013a	160			
M944A 1028	M9184A 1027		M9184D 1013a	90			
M944B 1175	M6284D 1000		M6284D 1000	160			
M944B 1191	M6294D 1008		M6294D 1008	160			
M944B 1241	M6294B 1002		M6294D 1008	160		1	
M944C 1000	M9184D 1005		M9184D 1013a				Replaced motor is 15/30 seconds.
M944C 1018	M9194D 1003		M9194D 1003				
M944C 1042	M9184D 1013		M9184D 1013a				
M944C 1059	M9194E 1000		M9194D 1003			1	
M944D 1017	M9184F 1000		M9184D 1013a			2	
M944E 1040	M6284F 1013		M6284D 1000			2	
M944G 1089	M6284A 1014		M6284D 1000	160	120V		
M944G 1097	M6284A 1022		M6284D 1000	90	120V		
M944S 1027	M6284F 1021		M6284D 1000		120V	2	
M945A 1017	M9185A 1018		M9185D 1004	160			
M945A 1082	M9185A 1026		M9185D 1004	90			
M945A 1157	M9185D 1004		M9185D 1004				
M945B 1057	M6285A 1005		M6285A 1005				
M945B 1065	M6285A 1013		M6285A 1013				
M945C 1015	M6285C 1001		M6285A 1005			2	
M945D 1006	M9185C 1006		M9185D 1004	160		2	
M945F 1004	M9186G 1006		M9185D 1004	160			Replaced motor is N.O.b
M945G 1037	M6286G 1001		M6285A 1013				Replaced motor is N.O.b
M954A 1035	M9184D 1021		M9184D 1021a				
M954B 1034	M9184C 1007		M9184D 1021a	90		2	
M954D 1016	M9184F 1018		M9184D 1021			2	
M955A 1024	M9185D 1004		M9185D 1004				
M955C 1014	M9185E 1001		M9185D 1004			1	
M975A 1097	M9175D 1006		M9175D 1014		120V		

[a] The M9184D 1013 and M9184D 1021 have the same features and functions except the M9184D 1021 has tapped shaft for Flame Safeguard applications.

[b] Replaced motor is normally open, can use auxiliary end of Tradeline motor. c Add Part No. 220736A or B Auxiliary Switch Kit to Tradeline motors as appropriate.

Honeywell Modutrol IV Family of Motors

Replaces Old Honeywell Modutrol I, II, and III



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	70997	M6184D 1035 MOD MOTOR	
1	EA	71002	M6284D 1000-S MOD MOTOR	
1	EA	71006	M8185D 1006 MOD MOTOR	
1	EA	71010	M9164D1009/U MOD MOTOR	
1	EA	71013	M9174D1007/U MOD MOTOR	
1	EA	71017	M9184D1021/U MOD MOTOR	
1	EA	71020	M9185D1004/U MOD MOTOR	
1	EA	71023	M9194D 1003 MOD MOTOR	
1	EA	71028	M9484F 1031 MOD MOTOR	

Honeywell Q7130A and Q7230A Interface Modules

Convert Series 90 Modutrol IV Motors to Series 70 Control



- **Q7130A 1006** For selectable voltage range: 4 to 7, 6 to 9, or 10.5 to 13.5 Vdc
- **Q7230A 1005** For adjustable zero and span, voltage, or current control (includes 4 to 20mA and 2 to 10 V

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	70995	Q7130A 1006 MOTOR INTERFACE MODULE	
1	EA	70996	Q7230A1005/U MOTOR INTERFACE MODULE	

Honeywell Transformers

Convert Modutrol IV Motors from Low Voltage to Line Voltage



Primary Voltage	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
120	1	EA	74637	198162EA TRANSFORMER	
120/208/240	1	EA	74638	198162AA TRANSFORMER	
120	1	EA	74659	50017460-003 120V TRANSFORMER	
24/120/230	1	EA	74660	50017460-001 MULTI-TAP TRANSFORMER	

Honeywell 220736A, B Internal Auxiliary Switch Kits

Control Auxiliary Equipment as a Function of Motor Shaft Position



Can be installed in any Tradeline Modutrol IV motor. Kits include one or two microswitch V3 precision switches which are actuated by adjustable cams inside the motor. Switch adjustment procedures are the same as for factory-installed switches in certain motor models. Selectable switch differentials of one degree or ten degrees of rotation.

Electrical Ratings (Amperes)

One Contact*	120 Vac	240 Vac
Full Load	7.2	3.6
Locked Rotor	43.2	21.6

* Pilot Duty: 40 VA at 120/240 Vac on opposite contact

Switches	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1 SPDT	1	EA	74644	220736A AUXILIARY SWITCH KIT	
2 SPDT	1	EA	74647	220736B AUXILIARY SWITCH KIT	

Honeywell 221455A Crankarm Assembly

for All Modutrol IV Motors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74649	221455A/U CRANKARM ASSEMBLY	

Honeywell M7415A Motor



M7415A 25 lb.-in. spring-return actuators provide SPDT floating, 2-position, 3-position, or modulating control of economizer systems, ventilation dampers, and combustion air dampers used in residential or commercial HVAC equipment. These are synchronous motors. A spring returns the motor shaft to normal position on power interruption. A single-ended drive shaft with crank arm is supplied.

M7415A

Use with mixed-air or discharge sensor.
Approximate Dimensions:
4-1/2" H x 5" W x 5-3/16" D.
Ambient Temp. Range: -25 to 125° F at 25% duty cycle.
Electrical Rating: 24 Vac, 50/60 Hz.
Max. Operating Torque: 25 lb.-in.
Timing: 90 seconds.
Stroke: Fixed 90 degree; opens counterclockwise as viewed from power end.

C7150B Sensor

Use with the W973 Single Zone System and the M7415A motor to sense mixed or discharge air in rooftop packaged air conditioning equipment. Requires no setting or calibration. Mounts on duct surface with four screws (not supplied).
Approximate Dimensions:
2-3/8" W x 1-1/2" H x 2-1/4" D.
Maximum Ambient Temperature: 250° F
Electrical Connection: 1/4" quick-connect terminals.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	71160	M7415A1006/U MOTOR	
10	EA	70303	C7150B1004/U SENSOR	

Honeywell M835A Two-Position Zone Motor



These motors are used with two-wire, 24 volt room thermostats or other controllers for two-position damper control. They are suitable for use with control zone or changeover dampers in heating and air conditioning systems and with control gates on feeders. For remote damper blade control order separately 121825AA Crank Arm and Q298 Linkage Assembly.

Thermostat Anticipator Setting	Max. No. of M835 Motors per AT72D Transformer*	
	Heating Only	Heating Cooling
0.18 A	4	3**

* If more motors are required, use additional AT72D or AT88A Transformers for adequate power.
** Plus R8225A Relay.

Electrical Rating: 24 V, 60 Hz.
Auxiliary Switch Rating: 2 A at 24 Vac (pilot duty).
Motor Timing: 80 sec. to open, 160 sec. to close damper.
End Switch: SPST; makes within 20 sec. of full open, breaks within 20 sec. after start of closing stroke.
Motor Torque: 4 lb.-in. or 400 sq. in. of bearing-mounted damper.
NOTE: A template to assist positioning motor and damper blade is furnished with each M835. Use of 124857A mounting plate is recommended.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	70961	M835A1051/U MOTOR	

Honeywell M836A, B Damper Motors



Spring-return motors for two-position zone or outdoor air damper control. Used in residential and light industrial applications to operate outdoor air dampers for combustion or makeup air. Operate changeover dampers for heating and cooling systems, minimum position dampers for ventilation and similar applications. With internal SPDT switch for controlling auxiliary equipment, additional motors, or to provide a burner interlock switch. Spring returns motor to start position on power failure. Drive shafts located on both sides of motor.

Electrical Ratings (Amperes)

	120 Vac	240 Vac
Full Load	7.2	3.6
Locked Rotor	43.2	21.6

Pilot Duty: 40 VA at 120 or 240 Vac.

Power Consumption: (M836A) 27 W opening, 8.5 W holding; (M836B) 20 W opening, 11.2 holding.
Ambient Temperature Range: 32 to 125° F.
Approximate Dimensions: 4-1/2" H x 4-5/8" W x 3-3/4" D.
U.L. Listed.

Tradeline Models

Model No.	Voltage (60Hz.)	Nominal Opening Current (A)	Nominal Opening Time (Sec.)	Max. Load Torque (lb.-in.)	Breakaway* Torque (lb.-in.)	Damper Blade Area (sq. ft.)
M836A 1042	24	1.85	30	20	30	13
M836B 1033	24	1.34	25	15	30	10

* Maximum torque available to overcome large loads such as a seized damper or valve. Must not be used continuously at this rating.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	70965	M836A1042/U MOTOR	
5	EA	70967	M836B 1033 MOTOR	

Honeywell PA404A, B Pressuretrol Controllers

Provide Control for Steam Pressure



Used in 24, 120, and 240V control circuits or in self-powered millivoltage applications. SPST snap-acting microswitch. Sensitive pressure-actuated diaphragm expands or contracts with pressure variations, moving a lever mechanism that operates the snap-switch.

Electrical Ratings (Amperes)

	120 Vac	240 Vac	277 Vac
Full Load	8.0	5.1	—
Locked Rotor	48.0	30.6	—
Resistive	8.3	8.3	7.2
Millivoltage	0.25 at 1/4 to 12 Vdc		

Pressure Sensing Element: Stainless steel diaphragm.
Maximum Operating Pressure: 20 PSI.
Maximum Ambient Temperature: 150° F.
Mounting Means: 1/4" female pipe threads.
Case Dimensions: 4-15/32" H x 3-3/8" W x 2-1/4" D.
U.L. Listed.

Model No.	Application	Operating Range (Adjustable)		Subtractive Differential (Adjustable)		Switch Action
		psi	kPa	psi	kPa	
PA404A 1033	Safety control for steam heating boilers; breaks an electrical circuit to shut down burner if steam pressure rises above a safe level.	.5 to 9	3 to 62	1 to 5	7 to 35	Makes at set point on pressure fall; breaks at set point plus differential on pressure rise.
PA404B 1023	Used with suspension type unit heaters to make the fan circuit when a pressure rise indicates the presence of steam.	.5 to 9	3 to 62	1 to 5	7 to 35	Breaks at set point on pressure fall; makes at set point plus differential on pressure rise.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	71201	PA404A1033/U PRESSURETROL	
12	EA	71206	PA404B 1023 PRESSURETROL	

Honeywell Q209E, F Manual Potentiometers



Used to limit minimum positions of a proportioning Modutrol motor. Mount directly in motor; all wiring is accomplished within motor wiring compartment. Color-coded leadwires.

- **Applications:** External mount onto Modutrol IV motors.
- **Resistance:** 150 ohms.
- **Approximate Case Dimensions:** 3-1/4" H x 3-3/8" W x 3-7/8" D.
- **Includes:** Quick connect terminals with leadwires.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	71293	Q209E 1002 POTENTIOMETER	

Honeywell Q5001D Valve Linkage

Used to Connect a Modutrol Motor to a 2- or 3-Way Valve



For use on Honeywell V5011 and V5013 water and steam valves having a fixed 3/4" lift and 1-3/8" bonnet. Requires no adjustment.
Approximate Dimensions: 10-1/4" to 10-1/2" H x 5-3/4" W x 8-13/64" D.
Seal-Off Force on Valve Stem: 80 Lbs. (356 N).
Use with Motors: M4185, M7064, M7164, M7285, M7385, M8185, M9164, M9174, M9185, M9186

NOTE: Motor will add up to 2-1/8" to depth.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	71695	Q5001D 1000 LINKAGE ASSEMBLY	

Honeywell Q605A, D Damper Linkages



Connect Modutrol motor to standard damper or set of dampers to provide control of duct airflow. Linkages include ball joints, motor crank arm, and damper arm for 1/2" diameter shaft. Adjustable to any degree of damper opening.

Model No.	Application	Includes			
		Motor Mounting Bracket	Damper Arm for 1/2" Dia. Shaft.	Motor Crank Arm	Ball Joints
Q605A 1070*	For mounting motor externally on duct.	Yes	1	Yes	2
Q605D 1069**‡	For mounting motor externally or internally on duct.	Yes	3	Yes	4

* Tradeline Model.

** Super Tradeline Model.

‡With left hand drive ear and crank arm adapter assembly.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	71744	Q605A 1070 DAMPER LINK	
4	EA	71749	Q605D 1069 DAMPER LINK	

Honeywell Q651A Switching Subbase

Provides Manual System Switching for T6051 Thermostats



This subbase provides positive OFF switching for the system. It may be mounted vertically or horizontally on a standard outlet box. Includes pressure sensitive labels to identify switching positions (HEAT-OFF-COOL, AUTO-OFF-ON, HEAT-OFF-FAN).
U.L. Listed.

Approx. Overall Dimensions: 5-13/16" H x 3-3/16" W x 11/16" D. Q651 with T6051A
Voltage and Frequency:
120 or 240 Vac, 60 Hz.
Pilot Duty: 125 VA
Contact Ratings (amperes):
Full Load: 16 at 120 Vac; 8 at 240 Vac.
Locked Rotor: 96 at 120 Vac; 48 at 240 Vac.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	71588	Q651A 1009 SUBBASE	

Honeywell R8182D Combination Controller

Protectorelay and Hydronic Heating



Immersion type aquastat controller and oil burner primary control provides high limit and low limit/circulator control for oil-fired hydronic heating systems. For intermittent ignition applications. Requires a C554A Cadmimum Sulfide Flame Detector and a 24V thermostat.

Model No.	Switching	Adj. Control Range (°F)	Differential (°F)
R8182D*	High Limit, SPST	130 to 240	10 Fixed
	Low Limit/ Circulator, SPDT	110 to 220	10 to 25 Adj.

*Auxilliary Zc and Zr terminals may be used to provide circulator zone control through an R845A Switching Relay

Maximum Ambient Temperature: 250° F at element
Thermostat Anticipator Setting: 0.2 amp
Approximate Dimensions: 7-1/8" H x 5-1/4" W x 3-7/16" D
Voltage and Frequency: 120V, 60 Hz
U.L. Listed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	72503	R8182D 1079 PROTECTORELAY	

Honeywell R8184G Protectorelay Oil Burner Controls



R8184G provides automatic, nonrecycling control of an intermittent ignition oil burner system. Requires a C554A Cadmium Sulfide Flame Detector and a 24V thermostat. Controls oil burner, oil valve, and the ignition transformer in response to a call for heat. Solid state flame sensing circuit. External button to manually reset safety switch after safety shutdown. Mounts on standard 4" x 4" junction box.

Electrical Ratings (Amperes)

	120 Vac	240 Vac
Full Load	7.4	3.7
Locked Rotor	44.4	22.2

Ambient Temperature Range: -40 to 130° F.
Approximate Dimensions: 4-3/8" H x 4-1/8" W x 2-1/2" D.
Voltage and Frequency: 120V, 60 Hz.
U.L. Component Recognized.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	72506	R8184G4009/U OIL PROTECTORELAY	

Honeywell RA116A and RA117A Protectorelay Controls



Stack-mounted, oil burner primary controls that cycle burner on and shutdown the burner on flame loss or system malfunction. Senses temperature change of flue gases with Pyrostat flame detector. Manual reset of safety switch required after ignition failure completely shuts off main burner. Includes a manual trip safety switch to assure burner shutdown during servicing. Flange included for mounting on curved or flat surfaces.

Electrical Ratings

Motor Load (A)	110V, 50 Hz. 120V, 60 Hz.	220V, 50 Hz. 240V, 60 Hz.
Full Load	7.4	3.7
Locked Rotor	44.4	22.2

Voltage and Frequency: 120 V, 60 Hz.
Safety Switch Timing: 70 second, approximately.
Thermostat Anticipator Setting (24 V models): 0.4A.
Adjustable Element Insertion Length: 3-1/2" to 5-1/2".
Approximate Dimensions: 5-7/8" H x 5-3/16" W x 3-3/16" D.
Maximum Ambient Temperature: 104° F.
U.L. Listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	74955	RA116A 1055 PROTECTORELAY		
10	EA	74956	RA117A1047/U PROTECTORELAY		

Honeywell RA89A, RA832A Hydronic Switching Relays



Provide intermediate switching of a line voltage device from a low voltage controller. Integral transformer provides low voltage power for control circuit.
Approximate Dimensions:
5-1/4" H x 4-1/4" W x 2-5/16" D.
Maximum Input: 5.0 W.
Maximum Ambient Temperature:
115° F for 60 Hz.; 105° F for 50 Hz.
U.L. Listed.

Electrical Ratings (Amperes)

	RA89A		RA832A*, ‡	
	120 Vac	240 Vac	120 Vac	240 Vac
Full Load	10.2	5.1	7.4	3.7
Locked Rotor	61.2	30.6	44.4	22.2
Resistive	10.0	6.0	10.0	6.0

* Includes auxiliary contacts for switching additional low or millivoltage (Power-pile) loads. Millivolt Rating: 300mA min. at 750mV. Low Voltage Rating: (Pilot Duty) 50 VA at 24 V; (DC rating) 1 A at 12 Vdc.
‡ Maximum connected load: 2000 VA.

Tradeline Models

Model No.	Application	Voltage (50/60 Hz.)	Switch Action	Control Circuit	Coil Voltage	Relay Coil Current (A)
RA89A 1074	For switching one line voltage load.	120	SPST	2-wire	24	0.40
RA832A 1066	For switching two line voltage loads having a common power source.	120	DPST: one pole line voltage, the other low voltage or millivoltage.	2-wire	24	0.40

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	72527	RA89A1074/U RELAY		
10	EA	72583	RA832A1066/U RELAY		

Honeywell S483B Winter Watchman



Used as a freeze warning device. Completes circuit to household lamp on temperature fall, indicating inoperative heating equipment. Plugs directly into wall outlet. Lamp plugs into receptacle at bottom of Winter Watchman device. Useful when house is unoccupied to notify a neighbor of a temperature drop so heating source fault can be rectified before freeze-up occurs.

Maximum Load: 120 watt for incandescent lamp load only. Not precision calibrated for use as a thermostat.
Temperature Range: 30 to 60° F adjustable.
U.L. Listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	72684	S483B1002/U WINTER WATCHMAN	

Honeywell S637A Sail Switch



Responds to the air velocity in heating or warm air ducts. Microswitch snap-acting switch operated by aluminum sail inserted in air stream; makes a circuit and breaks another on increase in air velocity in forced air duct. Suitable for farm crop dryers.

Electrical Ratings (Amperes)

	120 Vac	240 Vac
Full Load	8.0	5.1
Locked Rotor	48.0	30.6

2.0 A at 24 Vac; 15.0 A at 6 Vdc; 7.5 A at 12 Vdc.

Insertion Length: 3-1/2".
Maximum Ambient Temperature: 150° F.
Approximate Case Dimensions: 2-15/16" H x 3-3/4" W x 2" D.
Switching: SPST.
Operating Velocity (velocity at which contacts make): 1900-2250 fpm.
Sail Dimensions: 1" x 3".
U.L. Listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	72700	S637A 1004 SAIL SWITCH	

Honeywell S688A Sail Switch



Used in forced air systems to activate electronic air cleaners, humidifiers, or other auxiliary equipment in response to airflow from system fan. May be used in electric systems to prove minimum airflow. Allows auxiliary equipment to be wired independently of blower motor. Consists of polyester film sail mounted on an SPDT, microswitch snap-acting switch. Senses vertical or horizontal airflow with appropriate selection of bias spring.

Electrical Ratings (Amperes)

	N.O. Contacts*			N.C. Contacts*		
	24 Vac	120 Vac	240 Vac	24 Vac	120 Vac	240 Vac
Full Load	2.0	2.0	1.0	1.0	1.0	0.5
Locked Rotor	12.0	12.0	6.0	6.0	6.0	3.0
Resistive	5.0	5.0	2.5	2.5	2.5	2.5

* Pilot Duty Ratings.

Sail Dimensions: (Insertion length) 10"; (Maximum width) 5"; (Area) 26.2 sq. in.
Approximate Case Dimensions:
2-5/16" H x 3-3/4" W x 2-1/8" D.
N.O. Contact: Make at 250 fpm, break at 75 fpm.
N.C. Contact: Make at 75 fpm break at 250 fpm.
U.L. Listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	72714	S688A1007/U AIRFLOW SWITCH		

Honeywell S963B Manual Potentiometer



For remote set point control of electronic (Series 70) motors and panels. Provides control point adjustment for electronic panels such as W927 and W7100. For vertical mounting 2 x 4" outlet box (switch must be at least 1-3/4" deep). Item features scale marked Open-Close, three terminal wiring panel, leadwire connections, and is used on proportional motors..
Potentiometer Resistance (ohms): 135
Temperature Range (F): Open/Closed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	72725	S963B 1128 POTENTIOMETER	

Honeywell ST6008A, B Energy Management Timers



Timers provides 24-hour or 7-day time-based switching with universal application and 24-hour or 7-day programming. Features include battery back (quartz drive), screw wiring terminals, three-way override, and surface or DIN rail mounting.
Dimensions: 4-1/4" H x 2-15/16" W x 2-1/4" D

Model No.	Relay Output Stages	Timing, ON-OFF, Minimum	Electrical Ratings, Input Voltage	HP	Contact Ratings	
					FLA	LRA
ST6008A 1006	1 SPDT	15 min	120V, 60Hz	1	16	96
ST6008B 1005	1 SPDT	2 hrs	120V, 50Hz	1	16	96

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	72712	ST6008A 1006 24-HOUR TIMER	
1	EA	72741	ST6008B 1005 7 DAY TIMER	

Honeywell ST71A Timer

Plug-in purge timer, 30 sec., used with R4795 relay.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	72755	ST71A 1018 TIMER 30 SEC	

Honeywell T5086B Thermostatic Radiator Valve



Thermostatic radiator valves control room temperature by modulating the flow of hot water or steam through free-standing radiators, convectors, or baseboard units. T5086 nonelectric thermostatic actuator mounts directly on V5086 valve body and modulates hot water or steam flow through valve in response to room temperature changes. V5086 valve body mounts on radiator or convector.

T5086B includes remote sensor and set point and 6 ft 6 in. capillary.
Maximum Static Pressure: Water 150 psig.
Maximum Fluid Temperature: 248° F.
Maximum Close-Off Pressure: Water 17 psi; Steam 15 psi
Maximum Differential Pressure: Quiet Water Service 17 psi.
Body Tapping: NPT.

Thermostatic Radiator Valves (Tradeline Model)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	73172	T5086B 1007 THERMOSTATIC VALVE	

Valve Body

Pipe Size (In.)	Body Style	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3/4	Angle	12	EA	73778	V5086A 1056 VALVE BODY	

Honeywell V4055A, D On-Off Fluid Power Gas Valve Actuators

Control the Gas Supply to Commercial and Industrial Burners



Rated for final safety shutoff service when used with V5055 valve. Indicators on valve and actuator provide constant visual indication of valve position. Valve and actuator can be mounted in any position. Actuator mounts directly to valve bonnet with 3 setscrews.

Ambient Temperature Rating: -40 to +150° F for 60 Hz models; -10 to 158° F for 50 or 50/60 Hz. models.
Closing Time: 1 second maximum.
NOTE: Pressure ratings and approvals for these actuators depend on the valve used.

Use with Honeywell V4055, V4062, and V9055. Q5055 adapts ITT General V710 gas valves to accept Honeywell gas valve actuators as replacements for ITT General AH2, AH4, or AH8 gas valve actuators. Includes 198547A adapter and 220376 collar.

Model No.	Description/ Application	Voltage (60 Hz)*	Opening Time (sec)*	Includes
V4055A 1031	ON-OFF Actuator.	120	13	—
V4055A 1064	Normally used with V5055A, B valve bodies.	120	26	Damper shaft
V4055A 1098	Low pressure.	120	13	Damper shaft
V4055D 1019	ON-OFF actuator includes factory mutual "Proof of Closure" and Underwriters Laboratories Inc. "Valve Seal-Overtravel Interlock" Switch.	120	13	Damper shaft
V4055A 1001	Meets Factory Mutual and Underwriters Laboratories Inc. requirements when used with V5055C valve bodies. Low pressure.	120	26	Damper shaft

* Can also be used at 50 Hz., however, opening time will increase by 20%.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	73632	V4055A 1031 ACTUATOR	
2	EA	73634	V4055A 1064 ACTUATOR	
2	EA	73635	V4055A 1098 ACTUATOR	
2	EA	73633	V4055D1019/U ACTUATOR	
2	EA	73636	V4055D 1001 ACTUATOR	

Honeywell V5011F, G Single-Seated Valves



Used for 2-position or modulating control of steam and water in heating or cooling systems. Operating motor and linkage must be ordered separately.
Body Pattern: Straight through.
Body Material: Bronze.

New Model No.	Old Model No.	Description	Body Size NPT	Flow Capacity Cv	Flow Capacity kv	Pipe Conn.	Lift Inches
V5011N 1057	V5011F 1055	A 2-way threaded globe valve that controls steam, water, and glycol solutions (up to 50% concentration.) Equal % flow for modulating water.	3/4	7.3	6.26	Screw*	3/4
V5011N 1099	V5001F 1097		3/4	46.8	40.11		
V5011N 2055	V5011G 1061	A 2-way threaded globe valve that controls steam, water, and glycol solutions (up to 50% concentration.) Throttling Plug provides linear flow characteristics for steam.	3/4	7.3	6.26		
V5013N 1063	V5013F 1038	A 3-way threaded globe valve that controls hot water, cold water and glycol solutions (up to 50% concentration.	1	11.7	10.03		
V5013N 1071	V5013F 1046		1-1/4	18.7	16.03		

* Valve Seat: Brass, removable.

‡ Metal-to-metal seating for high pressure applications. Max. pressure differential: 100 psi. Not recommended for water.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	73687	V5011N 1057 VALVE, 2 WAY GLOBE	
1	EA	73696	V5013N 1063 MIXING VALVE	
1	EA	73695	V5013N 1071 MIXING VALVE	
1	EA	73688	V5011N 1099 VALVE BODY 2 WAY GLOBE	
1	EA	73686	V5011N 2055 VALVE BODY	

Honeywell V5055B, C Industrial Gas Valves



Safety shutoff valves used with V4055, V4062, and V9055 fluid power actuators to control gas flow to commercial and industrial burners. Use with natural or LP gases.
Application: V5055B models, low pressure characterized guide provides slowly increasing gas flow on opening. V5055C models, low pressure, double seat (use with actuators having valve seal over travel interlock).

Mounting Means: Directly in gas supply line. Includes 1/4" NPT upstream and downstream tap and plug. 4" models have only flanged connections.
Ambient Temperature Rating: -40 to +150° F (when used with V9055 actuator, ambient temperature rating is -40 to +125° F). Pressure ratings and approvals for these valves depend on the actuator used.
Valve Capacities: Based on gas with heat content of 1000 BTU/Cu. Ft. and specific gravity of 0.64 at 1" wc pressure drop.

Valve Size (In.)	AGA Rated Cap. cfh	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1-1/4	1406	2	EA	73751	V5055B 1010 VALVE	
1-1/2	1717	2	EA	73752	V5055B 1028 VALVE	
2	3620	2	EA	73753	V5055B 1069 VALVE	

Honeywell V5307 Pressure Regulators



Controls burner manifold pressure by repositioning the main valve diaphragm.
Kind of Gas: Natural.
Ambient Temperature Range: -50 to +175° F.
Pressure Setting:
3.5 In. wc. full rate setting
0.9 In. wc. step setting
Use with Controls: V400, V401, V800, V801, VS820, VS821, VR400, VR800, VR844, VR845, VR8440, VR8450.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	73797	V5307B 1156 REGULATOR	

Honeywell V8043A, E, and F Zone Valves



On-Off and diverting valves consist of an actuator motor and valve assembly for controlling the flow of hot or cold water, and some models for steam. Manual opener (on all except straight-through, normally open valves) for valve operation on power failure. Valve returns to automatic position when power is restored. Motor actuator may be replaced without removing the valve body or draining the system.

Maximum Fluid Temp.: 240° F.
Minimum Fluid Temp.: 40° F.
Maximum Ambient Temp.: 125° F.
Valve Body Pattern: Straight-through.
De-energized Position: Normally closed.
Control Circuit: 24 V, 50/60 Hz.
V8034A is U.L. Listed.
V8043F is U.L. Component Recognized.

Pipe Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/2 Sweat	10	EA	73852	V8043F1028/U VALVE	
3/4 Sweat	10	EA	73856	V8043A1029/U VALVE	
3/4 Sweat	10	EA	73850	V8043E1012/U VALVE	
3/4 Sweat	10	EA	73857	V8043F1036/U VALVE	
1 Sweat	10	EA	73858	V8043F1051/U VALVE	

NOTE: All items accept V8043A 1029 include end switch for sequencing auxilliary equipment. Items V8043F 1036 and V8043F 1051 include terminal board connector.

Honeywell V9055A Modulating Fluid Power Gas Valve Actuator



This low-pressure, On-Off modulating actuator (for use with V5055B) controls the gas supply for commercial and industrial burners. The valve opens to low fire position when power is applied, then modulates to meet firing rate controller demand.

Indicators on valve and actuator provide constant visual indication of valve position. Actuator is equipped with an integral shaft that drives combustion air damper in unison with valve. When replacing V4034, V6034, or V9034 actuators with a V9055, the V5034 valve body must also be replaced with a V5055 valve. Valve and actuator can be mounted in any position. Actuator mounts directly to valve bonnet with 2 setscrews.

Voltage/ Frequency	Power Consumption			
	Opening		Holding	
	Watts	VA	Watts	VA
120V/60 Hz.	60	122	20	32

Ambient Temp. Rating: -40 to +125° F.
Normal Opening Time: 26 seconds.
Low Fire Adjustment: 5 to 50% of actuator stem travel. Pressure ratings and approvals for these actuators depend on the valve used.
Includes: Damper shaft.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75184	V9055A 1055 ACTUATOR	

Honeywell W7080A Load Analyzer



Controls heating, cooling, and space demand oriented economizer operation in the Honeywell Electronic Dual Set Point Multizone Control System. Controls 3 stages of On-Off heating, modulated heating, modulated economizer, 3 stages of cooling, and modulated cooling.

Inputs		Outputs	
From	Signal	To	Signal
Transformer	24 Vac	T7080A, T7080B	24 Vdc
T7080A, T7080B	2-22 Vdc	W7081A, 195325B	24 Vdc
W7081A	Limited 12-22 Vdc Cooling (C)	W7081A	2-12 Vdc (Low)
	Limited 2-12 Vdc Heating (HT)	W7081A	12-22 Vdc (High)
		Controlled Loads	Dry Contact Closures (Pilot Duty)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74151	W7080A 1016 LOAD ANALYZER	

Honeywell W973 Logic Panels



Control heating, cooling, and economizier operation in commercial air conditioning and heat pump equipment. Panels can be used with staged gas, oil, or electric heat; modulating gas, hot water, or steam heat; and direct expansion or modulating chilled water cooling. Control up to 3 On-Off heat or cool stages or up to 10 On-Off heat and/or cool stages using W975 Satellite Sequencers.

Modulating DC current signal controls economizer and heating or cooling valve motors. T7067 Dual Set Point Thermostat/Transmitter located in controlled space provides heating and cooling input signals based on space demand. C7046A sensor located in discharge air duct provides heating/cooling anticipation and economizer modulating low limit signal. System cycles all stages Off on power interruption. When power is restored, system sequences required stages On with timed interstage delay.

Ambient Temperature Range:
-40 to +150°F

Wiring Connections:
1/4" male quick-connect terminals

Voltage and Frequency:
24 Vac, 50/60 Hz

Maximum Power Consumption: 8 VA

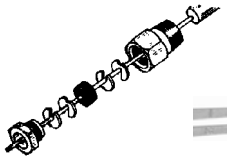
U.L. Component Recognized

Model No.	Modulating Econ. With Mod. Low Limit	Modulating Heating Output	Modulating Cooling Ouput	Heating Stages*	Cooling Stages*
W973A 1017	Yes	No	No	2	2
W973B 1016	Yes	Yes	Yes	3	3

* W975 Satellite Sequencer can be used to increase number of On-Off stages to 10 heat or 10 cool max.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74142	W973A 1017 LOGIC PANEL	
2	EA	74143	W973B 1016 LOGIC PANEL	

Honeywell Honeywell Replacement Parts

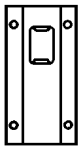

7617M

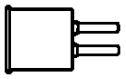

26026B, 26026G


27518

27520L


107323A


107324A

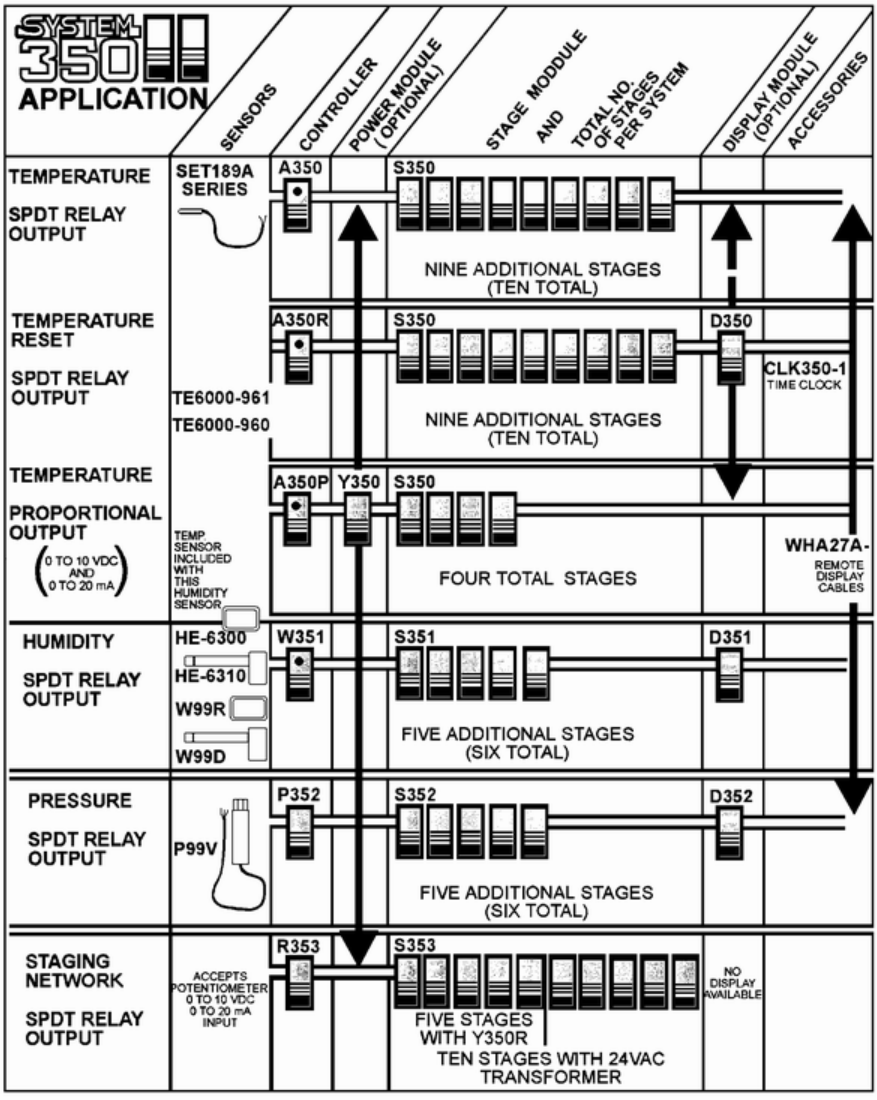

130367

7617M: Illustration above shows an exploded view of the pressure fitting.
26025B: Crank Arm Assemby. 3/8" diameter damper shaft includes set screw. Models Q605A, D, and E.
26026G: Crank Arm Assembly. 1/2" diameter damper shaft includes set screw. Models Q605A, C, D, and E
27518: Ball joint assembly. Models Q605A–Q605E.
27520L: Push rod, 48" long.
107323A: Bulb Shield for models T835A and TA418A.
107324A: Bulb holder for model T835A
130367: CAD cell assembly for use with models C554A.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74188	7616BR CRANK ARM ASSY	
1	EA	74191	7617M COMP FITTING	
1	EA	74830	14026 STEAM TRAP SIPHON LOOP	
1	EA	74246	26025B/U CRANK ARM ASSY	
1	EA	74247	26026G CRANK ARM ASSY	
1	EA	74250	27518 BALL JOINT	
1	EA	74254	27520L PUSHROD	
1	EA	74390	107323A/U BULB SHIELD	
1	EA	74391	107324A BULB HOLDER	
10	EA	74539	120650 HEAT CONDUCTIVE COMPOUND	
1	EA	74596	130367/U CAD CELL	
1	EA	74431	112622AA WELL	
1	EA	74433	112630AA WELL	
1	EA	74540	121371A/U AQUA WELL	
1	EA	74541	121371B/U AQUA WELL	
1	EA	74564	123773A SAIL ASSEMBLY	
1	EA	74599	129464N/U UV REPL TUBE	
1	EA	74616	193987GA SENSOR	
1	EA	74623	196146 CABLE CONN F/W136	
2	EA	71166	272629A VALVE ADAPTER KIT ADAPTER KIT	
1	EA	74656	802360JA/U MOTOR	

The System 350™

Temperature, Pressure, and Humidity Controls





A350R



A350P



A350R



S350



D350

System 350™ Temperature Controls

The System 350™ Temperature offering includes on/off (SPDT), proportional (0 to 10 Vdc or 0 to 20 mA output), and reset (SPDT) controls in addition to stage, display, and power modules. The controls are used in conjunction with the SET 189A-600 Series temperature sensors and TE-6001 Series Sensor Mounting Accessories.

Applications Include:
- Frozen/refrigerated display cases.
- Ventilation control.
- Warm air reset of plenum temperature.
- Space temperature control.
- Temperature reset for single or multistage boilers.
- Modulating dampers.
- Temperature indication.
- Cooling tower control.
- Beverage/milk coolers.
- Modulating chilled/hot water valves.

Features
- Electronic accuracy and repeatability
- Temp. sensors included
- Field selectable modes heat/cool and reverse/direct-acting on controls and staging modules
- Adj. differential, offset, and reset settings over wide range
- Proportional/Integral (PI) selectable option on A350P
- Surface or DIN rail mounting
- 5-pin connectors

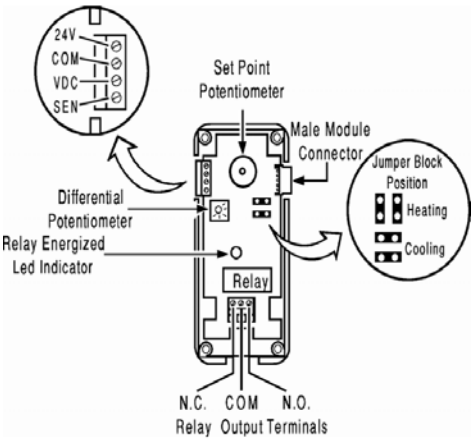
Benefits
- Reliable
- Cost-effective package
- Universal models for lower inventory investment
- Applications versatility
- Hold setpoint regardless of load on system and its rate of change
- Flexible installation capabilities
- Eliminates wiring between models

A350A Series On/Off Temperature Controls



The A350 Series is an on/off temperature control with single-pole, double-throw relay output and LED indication. This control is used in conjunction with the SET 189A-600 Series (PTC silicon) temperature sensors.

Two basic models cover a temperature range of -30 to 250° F with an adjustable differential of 1 to 30° F. A350A modules incorporate Fahrenheit scales. The S350 Stage, D350 Display, and Y350 Power modules can be used with the A350.



Wiring Diagram

Accessories

The base silicon sensor (SET189A-600R) is included with each A350A and A350B control module.

Features

- Field selectable heat/cool model.
- Adjustable set point and differential.
- Surface or DIN rail mounting.
- LED indication of relay status.
- 5-pin connectors eliminate wiring between modules.

Applications

- Frozen/refrigerated food cases.
- Space temperature control.
- Cooling tower control.
- Beverage coolers.
- Chiller staging.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75450	A350AA-1C -30/130F TEMP CONTROL	

A350P Series Proportional Temperature Controls

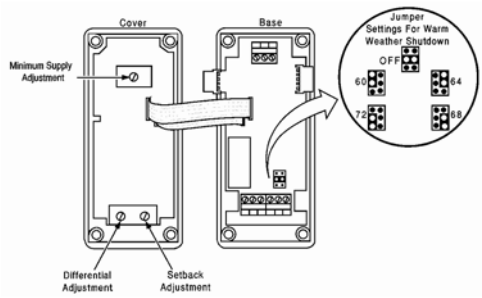
Specifications

Temperature Range	A350P	-30 to 130° F; 90 to 250° F.
Throttling Range		2 F to 30° F.
Input Range	Transformer	24 Vac Class 2 50/60 Hz. + 15% -10% 20 VA min. 40 VA max.
	Y350R	Power module 24 volt rectified AC 120/240 Vac 50/60 Hz., class 2
Proportional Output		0 to 10 Vdc (750 ohm load min.) or 0 to 20 mA. (600 ohm load max.). Outputs will withstand short circuits to common and 24 Vac.
Minimum Output		Adjustable from 0 to 60% of the output span.
Output Indication		A ten segment LED indicates percentage of output.
Control Action		Direct or reverse acting ramps are switch selectable.
Current Draw	A350P	3.2 VA.
Integration Constant		Three selectable rates C1, C2, C3, and an Off position.
Ambient Temperature	Operating	-30 to 140° F.
	Shipping	-40 to 185° F.
Humidity		0 to 95% RH non-condensing.
Material	Case and Cover	High impact plastic.

A350R Series Temperature Reset Controls



The A350R Series Electronic Temperature Reset Control raises or lowers the temperature of the supply water or air based on a proportionate rise or drop in termpreature at the outside sensor. The output consists of a sinple-pole, single throw, normally open relay. Includes LED indication of both relay status and night setback mode. Adjustments include: rest ratio, differential, minimum supply temperature, night setback (actuated by an external time control), and warm weather shutdown. The A350R can be used as a stand-alone device or in conjunction with add-on Stage (S350), Display (D350), and Power (Y350) modules. One outside and one supply temperature sensor are included.



Wiring Diagram

Features

- 5-pin connectors eliminate wiring between modules.
- Field-selectable warm weather shutdown.
- Adjustable differential and reset ratios.
- Accepts up to nine (9) S350 stage modules.
- Adjustable night setback (enabled by an external time control).
- Three minute minimum on-time reduces short cycling.
- LED indication of relay output and setback mode.

Applications

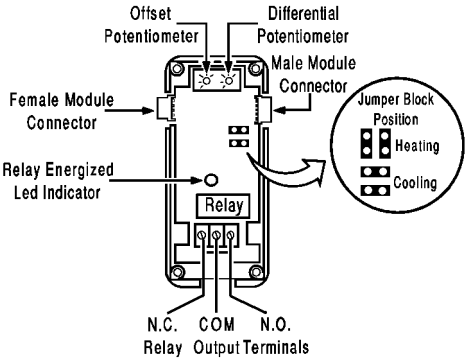
- Single or multi-stage boiler rest.
- Warm air reset of plenum temperature.

Model No.	Output	Minimum Supply Temperature Adj.	Differential	Reset Ratio Adj. (Outdoor/Indoor)	Electrical Contact Ratings 24 Vac	Temperature Sensors
A350RN-1C	SPST	50 to 30 F	1 to 30 F	1:5 to 3:1	4 amp, 24 Vac Pilot duty 42.4 VA at Vac	SET189A-600R or SET189A-607R
A350RP-1C	SPST	10 to 71 C	0.5 to 17 C	1:5 to 3:1	4 amp, 24 Vac Pilot duty 42.4 VA at Vac	SET189A-600R or SET189A-607R

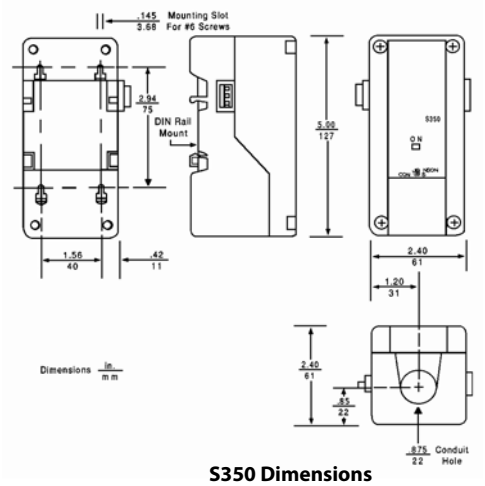
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75460	A350RS-1C TEMP RESET CTL	

S350 Stage-Adder Module





Wiring Diagram



S350 Dimensions

The S350 Staging Module is used in conjuction with the A350, A350P, and A350R Series Temperature Controls to add multiple stage capability. The S350 module has a single-pole, double throw output relay and three adjustments including offset (de-energize stage action from setpoint), heating or cooling output, and differential.

Up to nine S350s can be added to the A350A and A350R while up to four can accompany the A350P controller via the 5-pin, plug-in connector.

Features

- Heating or cooling, field-selectable jumper.
- Adjustable differential and offset.
- 5-pin connector eliminates wiring between modules.

Applications

- Multiple staging of boilers or chillers.
- Staging of refrigeration compressors.
- Multiple fan staging for cooling tower.

Electrical Contact Ratings

Voltage AC	120	208/240
Full Load amp.	9.8	4.9
Locked Rotor amp.	58.8	29.4
Non-Inductive amp. 10 at 24/240 Vac		
Pilot Duty–125 VA at 24/240 Vac		

Selection Chart S350 Stage-Adder

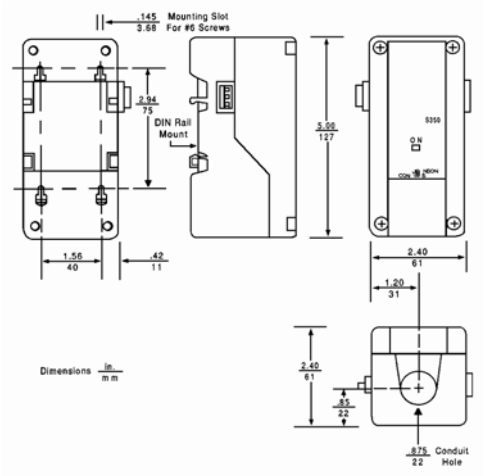
Model No.	Output	Differential Adjustment	Offset Adjustment
S350AA-1C	Spdt	1 to 30° F	1 to 30° F
S350AB-1C	Spdt	.6 to 16.7° F	.6 to 16.7° C

Specifications		
Product	S350AA	Temperature module with Fahrenheit scale
	S350AB	Temperature module with Celsius scale
Material	Case and Cover	High impact plastic
Input Voltage	S350	5 Vdc reference provided by the A350, 24 volt power supply
Ambient Temperature	Operating	-30 to 150° F (-34 to 66° C)
	Shipping	-40 to 185° F (-40 to 85° C)
Humidity		0 to 95% RH non-condensing
Relays	Control and Stage Module	Spdt enclosed relays. Contacts rated at 10 amp non-inductive, 1/2 hp, 120/240 Vac
Differential Range	S350AA	1 to 30° F
	S350AB	0.6 to 16.7° C
Offset Range	S350AA	1 to 30° F
	S350AB	0.6 to 16.7 ° C
Mounting		Wall or DIN rail

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75452	S350AA-1C MODULE	

Y350R Power Module





Specifications		
Material	Case and Cover	High impact plastic
Input Voltage		120/240 Vac 50/60 Hz
Output Voltage		24 Vac, 10 VA
Ambient Temp.	Operating	-30 to 140°F
	Shipping	-40 to 185°F
Humidity	All Modules	0 to 95% RH non-condensing

The Y350R power supply module is used to supply 24 volts AC to the A340, A350P, A350R, P352, R353/S353, and W351 controls.

Features

- 5-pin connector.
- Surface or DIN rail mounting.

Applications

- Provide 24 volt AC rectified power to System 350 line.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75454	Y350R-1C MODULE TRANSFORMER	

ICM102, ICM203, and ICM209 Delay Timers



ICM102/105

ICM102 Delay on Make Timer

Works with anticipator-type thermostats. Universal voltage operation. Knob-adjustable time delays. One model replaces many in field. Ideal for compressor staging. Simple, 2-wire hookup. Compact 2" x 2" package. Epoxy-encapsulated circuitry. 18-30 Vac, 1 amp, 10 amp inrush, SPST, and N.O. Fixed or adjustable time range is .1 to 600 sec.

ICM105 Delay on Make Timer

Similar to the ICM102 without the cooling anticipator circuitry. Universal voltage operation. Knob-adjustable time delay. Low holding current. Ideal for compressor staging. Simple, 2-wire hookup. Compact 2" x 2" package. Epoxy-encapsulated circuitry. 18-240 Vac, 1.5 amp, 15 amp inrush. Fixed or adjustable time range is 1.8 to 600 seconds.



ICM203

ICM203 Off Delay on Break Timer

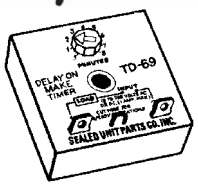
Universal voltage operating. Compressor lockout/anti-short cycle timer helps to protect compressors from damage caused by rapid short cycling. 2-wire hookup. Compact 2" x 2" package. Epoxy encapsulated circuitry. 18-240 Vac/Vdc, 1 amp, 10 amp inrush, SPST, and N.O. Fixed or adjustable time range is .1 to 600 sec.

ICM209 Time Delay on Break Timer

Universal and high voltage operation. Help prevent scroll compressor reversal. Fast response time 16 ms. Compressor lockout/anti-short cycle timer. Eliminates relay chatter due to thermostat bounce or tampering. Works with anticipator-type thermostats. Compact, epoxy-encapsulated package. 18-240 Vac, 1 amp, 1 amp inrush, 10 min. adjustable time delay, and 50/60 Hz. frequency. Requires 40mA holding current and voltage drop 2.5V @ 1 amp.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	76004	ICM102F ADJ TIME DELAY -.03 TO 10 MIN.	
1	EA	76005	ICM203F ADJ TIME DELAY .03 TO 10 MIN.	
1	EA	76011	ICM209 ADJ TIME DELAY 10 MIN	
1	EA	76014	ICM105B ADJ TIME DELAY -.03 TO 10 MIN.	

TD69 and TD73 Adjustable Solid State Time Delays



TD-69 Timer, Delay on Make

Adjustable 6 seconds to 8 minutes delay range. Upon application of power the time delay is initiated. On completion of selected delay period the load is energized. For manual reset, turn thermostat off or shut-off main power.
Initiate Timer: 70 milliseconds.
Input Voltage: 19 to 288 volts AC, 50/60 Hz.
Maximum Load: 1 amp, 10 amp inrush.
Operating Temperature: 0 to 160° F.
U.L. recognized.

TD-73 Timer, Delay on Break

Adjustable 6 seconds to 5 minutes delay range. Upon application of power, current goes through TD73 and energizes the compressor. The time delay is initiated when the thermostat opens or when there is a power interruption. The compressor relay cannot restart until the delay time is expired.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	94475	TD69 TIME DELAY	
12	EA	94473	TD73 TIME DELAY	

ICM450C Programmable Voltage Monitors
3-Phase

The ICM400, ICM401, and ICM450 are specifically designed to protect motors and other 3-phase loads from premature failure and damage due to common voltage faults such as voltage unbalance, over/under voltage, phase loss, reversal, incorrect sequencing, and rapid short cycling.



ICM400

The **ICM400** features a lower cost with full performance protection, bright LED indicators, knob-adjustable features, and auto or manual reset. Monitors front and back of system for voltage unbalance, high/low voltage, phase loss, reversal, incorrect sequencing, and prevents rapid-short cycling. High/low fault at +/-12% of line set point.
Input Voltage: 190 to 630 Vac
Input Voltage Unbalance: Adj. 2-25%
Input Control: 18 to 240 Vac
Input Frequency: 50/60 Hz.
Input Relay, SPDT, n.o.: 10 amps



ICM401

The **ICM401** features 3-phase protection for single side, bright LED indicators for ON and FAULT, universal 3-phase input, fixed control voltage, and passive electronics. Monitors for phase reversal, phase loss, and for phase unbalance % as a function of input voltage.
Input Voltage: 190 to 600 Vac.
Input Frequency: 50/60 Hz.
Input Control: 18 to 30 Vac.
Output Relay, SPDT n.o.: 20 amps.



ICM450

The **ICM450** is fully programmable. Features include 25-fault memory storage, independent high/low voltage setting, and auto or manual reset. Monitors front and back side of system and identifies faults. Independent high/low voltage seting and high temperature LCD withstands up to 167° F. Monitors voltage unbalance, high/low voltage, phase loss, reversal, incorrect sequencing, and prevents rapid-short cycling. Memory is not volatile, monitor does not require control voltage for operation, and also features simultaneous voltage display.
Input Voltage: 190 to 630 Vac.
Input Frequency: 50/60 Hz.
Input Voltage Unbalance: Adj. 2 to 25%
Input Control: 18 to 240 Vac.
Output Relay, SPDT n.o.: 10 amps; n.c: 6 amps

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76023	ICM400 3 PHASE VOLTAGE MONITOR	
1	EA	76022	ICM401 3 PHASE VOLTAGE MONITOR	
1	EA	76006	ICM450 3 PHASE VOLTAGE MONITOR	

SL-2000 Series Duct Smoke Detectors



The SL-2000 Series Smoke Duct Detector is the latest innovation for early detection of smoke and products of combustion present in air moving through HVAC ducts in commercial, industrial and residential applications.

- Low-flow technology: photoelectric model listed for velocities between 100-4000 ft/min.
- Operating voltages: 230 VAC, 115 VAC, 24 VAC, 24 VDC
- Interconnect up to 30 units for common functions
- Patented no-tools-required front or rear loading and removing sampling/exhaust
- Patented test port valve allows for aerosol smoke testing without cover removal

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	75024	SL-2000-P PHOTOELECTRIC DUCT SMOKE DETECTOR	
1	EA	75027	STN-1.0 10" SAMPLING TUBE	
1	EA	75028	STN-2.5 30" SAMPLING TUBE	
1	EA	75029	TG-2000 TEST GAS FOR SL-2000	

MSR-50R Series Advanced Remote Controller



MSR-50RK/R



MSR-50RK/AV/R

The MSR-50R series remote controllers are designed for use with Air Products and Controls duct smoke detectors.

- Key-operated detector test and reset function
- Tri-color visual indication of detector pilot, trouble and alarm conditions
- Lever-operated, quick connection (no tools) four-position terminal block
- Port for plugging optional strobe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75025	MSR-50RK/R REMOTE CONTROLLER W/KEY TEST	
1	EA	75026	MSR-50RK/AV/C/R REMOTE CONTROLLER WITH KEY TEST, AUDIO & VISUAL ALERT	

Group 8 Equipment

Group 8 Equipment

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Premium Care Plus Extended Warranty Program

Allied Air Enterprises has teamed up with Service Net, North America's largest provider of risk management programs for the HVAC/R industry to develop a unique, user-friendly opportunity to make your business more profitable and less complicated. Beginning in 2012 all Warranty purchases and processing will be handled directly through Service Net. For complete details log onto Contractor Net, click on the Programs tab, click on the Extended Warranty tab, then choose the Dealer Program Guide.

For questions or assistance with the program, please contact Service Net Client Support at 888-257-0913 or hvacsupport@servicenet.com.

Premium Care Plus Extended Warranty Program

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For questions or assistance with the program, please contact Service Net Client Support at 888-257-0913 or hvacsupport@servicenet.com.

A97USMV Gas Furnaces

Upflow/Horizontal, Modulating, Variable Speed



Heat Exchanger Design
- 409 stainless steel primary heat exchanger with crimped no-weld construction
- AL 29-4C stainless steel secondary heat exchanger

Cabinet Design
- Standardized widths for easy coil fit

Air Delivery System
- ECM™ variable speed blower motor
- Easily removable slide out blower design

• Controls
- Modulating gas valve
- Communicating control enabled
- Self diagnostics saves last 10 fault codes regardless of power interruption

Venting
- Category 4 direct vent appliance

• Installation Features
- Left or right utility connections
- Zero step horizontal conversion
- Removable floor base for bottom return air

Warranties*
- 10-year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Input (Btuh)	Ouput (Btuh)	AFUE	Nom. Cooling Capacit (Tons)	Gas Inlet (In)	Volts/ Hz/ Phase	Max. Time Delay Breaker or Fuse	Nominal FLA	Trans. (V.A.)	Approx. Ship. Wt (Lbs)
A97USMV070B12S	66,000	64,000	97.0	3	1/2	120-60-1	15	7.7	40	138
A97USMV090C12S	88,000	85,000	97.0	3	1/2	120-60-1	15	7.7	40	155
A97USMV090C16S	88,000	85,000	97.0	4	1/2	120-60-1	15	10.1	40	165
A97USMV110C20S	110,000	106,000	97.0	5	1/2	120-60-1	20	12.8	40	175
A97USMV135D20S	132,000	127,000	97.0	5	1/2	120-60-1	20	12.8	40	190

Furnaces

Prices Available on Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	84392	A97USMV070B12S 97% MODULATING 70K 3T FURNACE UPFLOW/HORIZONTAL
33 x 21 x 28-1/2	1	EA	84393	A97USMV090C12S 97% MODULATING 90K 3T FURNACE UPFLOW/HORIZONTAL
33 x 21 x 28-1/2	1	EA	84394	A97USMV090C16S 97% MODULATING 90K 4T FURNACE UPFLOW/HORIZONTAL
33 x 21 x 28-1/2	1	EA	84395	A97USMV110C20S 97% MODULATING 110K 5T FURNACE UPFLOW/HORIZONTAL
33 x 24-1/2 x 28-1/2	1	EA	84396	A97USMV135D20S 97% MODULATING 135K 5T FURNACE UPFLOW/HORIZONTAL

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR
1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	84334	68W77 LP KIT FOR A97 FURNACE
1	EA	63873	68W82 MODULATING NIGHT SERVICE KIT
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84442	72950 2IN CONC VENT KIT
4	EA	84443	72951 3IN CONC VENT KIT
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A97DSMV Gas Furnaces

Downflow/Horizontal, Modulating, Variable Speed



Heat Exchanger Design
- 409 stainless steel primary heat exchanger with crimped no-weld construction
- AL 29-4C stainless steel secondary heat exchanger

Cabinet Design
- Standardized widths for easy coil fit

Air Delivery System
- ECM™ variable speed blower motor
- Easily removable slide out blower design

Controls
- Modulating gas valve
- Communicating control enabled
- Self diagnostics saves last 10 fault codes regardless of power interruption

Venting
- Category 4 direct vent appliance

Installation Features
- Left or right utility connections
- Zero step horizontal conversion
- Removable floor base for bottom return air

Warranties*
- 10-year limited parts warranty
- Lifetime limited heat exchanger warranty

* Online registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Input (Btuh)	Ouput (Btuh)	AFUE	Nom. Cooling Capacity (Tons)	Gas Inlet (In)	Volts/ Hz/ Phase	Max. Time Delay Breaker or Fuse	Nominal FLA	Trans. (V.A.)	Approx. Ship. Wt. (Lbs)
A97DSMV070B12S	66,000	64,000	97.0	3	1/2	120-60-1	15	7.7	40	140
A97DSMV090C16S	88,000	85,000	97.0	4	1/2	120-60-1	15	10.1	40	165
A97DSMV090C20S	88,000	85,000	97.0	5	1/2	120-60-1	20	12.8	40	165
A97DSMV110C20S	110,000	107,000	97.0	5	1/2	120-60-1	20	12.8	40	174

Furnaces

Prices Available on Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	84397	A97DSMV070B12S 97% MODULATING 70K 3T FURNACE DOWNFLOW
33 x 21 x 28-1/2	1	EA	84398	A97DSMV090C16S 97% MODULATING 90K 4T FURNACE DOWNFLOW
33 x 21 x 28-1/2	1	EA	84399	A97DSMV090C20S 97% MODULATING 90K 5T FURNACE DOWNFLOW
33 x 21 x 28-1/2	1	EA	84359	A97DSMV110C20S 97% MODULATING 110K 5T FURNACE DOWNFLOW

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR
1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11350	270-MFB 24 1/2X25X20 FURNACE BASE W/DOOR
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	84334	68W77 LP KIT FOR A97 FURNACE
1	EA	63873	68W82 MODULATING NIGHT SERVICE KIT
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A962V Gas Furnaces

Upflow/Horizontal, Communicating, 2-Stage, Variable Speed



Features

- 409 stainless steel primary heat exchanger material and AL29-4C stainless steel secondary heat exchanger
- Non-welded crimped S-curve primary heat exchanger design for maximum durability
- ECM variable speed blower motor
- Easily removable slide out blower design
- Left and right utility connections
- Zero step horizontal conversion
- Comfort Sync communication thermostat
- Self diagnostics saves last 5 fault codes regardless of power interruption
- 2-stage gas valve
- Certified for direct vent (2-pipe) and in-direct (1-pipe) applications

Warranties*

- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* Online registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	1st Stage (Btuh)		2nd Stage (Btuh)		AFUE	Nominal Clg. Cap. (Tons)	Gas Inlet (In)	Max. Time Delay Breaker or Fuse	Nominal FLA	Supply W x D (In)	Return W x D (In)	Approx. Ship Wt. (Lbs)
	Input	Output	Input	Output								
A96US2V045B12S	29,000	28,000	44,000	42,000	96.0	3	1/2	15	7.7	16 x 19-1/2	14 x 23	130
A96US2V070B12S	43,000	41,000	66,000	62,000	96.0	3	1/2	15	7.7	16 x 19-1/2	14 x 23	138
A96US2V090C12S	57,000	55,000	88,000	84,000	96.0	3	1/2	15	7.7	19-1/2 x 19-1/2	14 x 23	154
A96US2V090C16S	57,000	55,000	88,000	85,000	96.0	4	1/2	15	10.1	19-1/2 x 19-1/2	14 x 23	165
A96US2V090C20S	57,000	55,000	88,000	85,000	96.0	5	1/2	20	12.8	19-1/2 x 19-1/2	14 x 23	166
A96US2V110C16S	72,000	70,000	110,000	105,000	96.0	4	1/2	15	10.1	19-1/2 x 19-1/2	14 x 23	173
A96US2V110C20S	72,000	70,000	110,000	106,000	96.0	5	1/2	20	12.8	19-1/2 x 19-1/2	14 x 23	174
A96US2V135D20S	88,000	84,000	135,000	126,000	96.0	5	1/2	20	12.8	23 x 19-1/2	14 x 23	188

Furnaces

Prices Available on Request

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	83978	A96US2V045B12S 96% 2STG VAR 45K 3T FURNACE UP/HORIZ COMMUNICATING
33 x 17-1/2 x 28-1/2	1	EA	83979	A96US2V070B12S 96% 2STG VAR 70K 3T FURNACE UP/HORIZ COMMUNICATING
33 x 21 x 28-1/2	1	EA	83980	A96US2V090C12S 96% 2STG VAR 90K 3T FURNACE UP/HORIZ COMMUNICATING
33 x 21 x 28-1/2	1	EA	83981	A96US2V090C16S 96% 2STG VAR 90K 4T FURNACE UP/HORIZ COMMUNICATING
33 x 21 x 28-1/2	1	EA	83982	A96US2V090C20S 96% 2STG VAR 90K 5T FURNACE UP/HORIZ COMMUNICATING
33 x 21 x 28-1/2	1	EA	83983	A96US2V110C16S 96% 2STG VAR 110K 4T FURNACE UP/HORIZ COMMUNICATING
33 x 21 x 28-1/2	1	EA	83984	A96US2V110C20S 96% 2STG VAR 110K 5T FURNACE UP/HORIZ COMMUNICATING
33 x 24-1/2 x 28-1/2	1	EA	83985	A96US2V135D20S 96% 2STG VAR 135K 5T FURNACE UP/HORIZ COMMUNICATING

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	85410	11K48 LP KIT F/80 THRU 96 2 STG VAR
1	EA	11350	270-MFB 24 1/2X25X20 FURNACE BASE W/DOOR
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A96DF2V Gas Furnaces

Downflow, Communicating, 2-Stage, Variable Speed



Features

- 409 stainless steel primary heat exchanger material and AL29-4C stainless steel secondary heat exchanger
- Non-welded crimped S-curve primary heat exchanger design for maximum durability
- ECM variable speed blower motor
- Easily removable slide out blower design
- Left and right utility connections
- Self diagnostics saves last five (5) fault codes regardless of power interruption
- Comfort Sync communication thermostat
- 2-stage gas valve
- Certified for direct vent (2-pipe) and in-direct (1-pipe) applications

Warranties*

- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	1st Stage (Btuh)		2nd Stage (Btuh)		AFUE	Nominal Clg. Cap. (Tons)	Gas Inlet (In)	Max. Time Delay Breaker or Fuse	Nominal FLA	Supply W x D (In)	Return W x D (In)	Approx. Ship Wt. (Lbs)
	Input	Output	Input	Output								
A96DS2V045B12S	29,000	28,000	44,000	43,000	96.0	3	1/2	15	7.7	16 x 20-1/8	15-1/2 x 19-1/2	131
A96DS2V070B16S	43,000	42,000	66,000	64,000	96.0	4	1/2	15	10.1	16 x 20-1/8	15-1/2 x 19-1/2	138
A96DS2V090C20S	57,000	56,000	88,000	85,000	96.0	5	1/2	20	12.8	19-1/2 x 20-1/8	19 x 19-1/2	166
A96DS2V110C20S	72,000	70,000	110,000	106,000	96.0	5	1/2	20	12.8	19-1/2 x 20-1/8	19 x 19-1/2	176

Furnaces

Prices Available on Request

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	83986	A96DS2V045B12S 96% 2STG VAR 45K 3T FURNACE DOWNFLOW COMMUNICATING
33 x 17-1/2 x 28-1/2	1	EA	83987	A96DS2V070B16S 96% 2STG VAR 70K 4T FURNACE DOWNFLOW COMMUNICATING
33 x 21 x 28-1/2	1	EA	83988	A96DS2V090C20S 96% 2STG VAR 90K 5T FURNACE DOWNFLOW COMMUNICATING
33 x 21 x 28-1/2	1	EA	83989	A96DS2V110C20S 96% 2STG VAR 110K 5T FURNACE DOWNFLOW COMMUNICATING

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	85410	11K48 LP KIT F/80 THRU 95 2 STG VAR
1	EA	11350	270-MFB 24 1/2X25X20 FURNACE BASE W/DOOR
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A962E Gas Furnaces

Upflow/Horizontal, Two-Stage, Constant Torque Motor



Heat Exchanger Design
- Stainless steel primary heat exchanger with crimped non-welded construction
- AL29-4C stainless steel secondary heat exchanger
- Non-welded crimped S-curve primary heat exchanger design for maximum durability

Burners
- Aluminized steel in shot burners —smooth ignition
- Isolated burner enclosure—quiet operation

Cabinet Construction
- Standardized widths for easy coil fit
- Unitized construction for cabinet integrity
- Insulated heat exchanger compartment
- Baked on prepainted steel cabinet finish

Constant Torque ECM
- Efficient blower motor
- Easily removable slide-out blower design
- Dynamically balanced blower wheel with resilient motor mounts for smooth and quiet operation

Controls
- Two-stage gas valve
- Integrated ignition and fan control
- System Sentry control retains last 10 fault codes with push button memory recall
- Hot surface ignition system uses silicon nitride ignitor

Venting
- 2-speed induced draft motor with stainless steel shaft, steel ball bearings, and fan cooled for long life
- Certified for direct vent and indirect vent (1 and 2 pipe) applications

Installation Features
- Left or right gas and electric entry
- Zero step horizontal conversion
- Removable floor base for bottom air return

Warranty
- 10-year limited parts warratny
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	1st Stage (Btuh)		2nd Stage (Btuh)		Nom. Clg. Cap. (Tons)	Gas Inlet (In)	Min. Time Delay Breaker or Fuse	Nom. FLA	Supply W x D	Return W x D	Wt. (Lbs)
	Input	Output	Input	Output							
A96UH2E030B08S	20,000	19,000	30,000	29,000	2	1/2	15	6.8	16-3/8 x 19-1/2	14 x 23	130
A96UH2E045B12S	29,000	28,000	44,000	42,000	3	1/2	15	6.8	16-3/8 x 19-1/2	14 x 23	130
A96UH2E070B12S	43,000	41,000	66,000	62,000	3	1/2	15	6.8	16-3/8 x 19-1/2	14 x 23	138
A96UH2E090C16S	57,000	55,000	88,000	85,000	4	1/2	15	8.4	19-7/8 x 19-1/2	14 x 23	166
A96UH2E110C20S	72,000	70,000	110,000	105,000	5	1/2	15	10.9	19-7/8 x 19-1/2	14 x 23	174

Upflow/Horizontal Furnaces

Prices Available on Request

Dimensions H x W x D	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	85890	A96UH2E030B08S 2 STG 96% 30K 2T W/X13 FURNACE UPFLOW/HORIZONTAL
33 x 17-1/2 x 28-1/2	1	EA	85891	A96UH2E045B12S 2 STG 96% 45K 3T W/X13 FURNACE UPFLOW/HORIZONTAL
33 x 17-1/2 x 28-1/2	1	EA	85892	A96UH2E070B12S 2 STG 96% 70K 3T W/X13 FURNACE UPFLOW/HORIZONTAL
33 x 21 x 28-1/2	1	EA	85893	A96UH2E090C16S 2 STG 96% 90K 4T W/X13 FURNACE UPFLOW/HORIZONTAL
33 x 21 x 28-1/2	1	EA	85894	A96UH2E110C20S 2 STG 96% 110K 5T W/X13 FURNACE UPFLOW/HORIZONTAL

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85410	11K48 LP KIT F/80 THRU 96 2 STG
1	EA	86312	13X57 LP KIT FOR A96UH2E030B08
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A962E Gas Furnaces

Downflow, Two-Stage, Constant Torque Motor



Heat Exchanger Design
- Stainless steel primary heat exchanger with crimped non-welded construction
- AL29-4C stainless steel secondary heat exchanger
- Non-welded crimped S-curve primary heat exchanger design for maximum durability

Burners
- Aluminized steel in shot burners for smooth ignition
- Isolated burner enclosure for quiet operation

Cabinet Construction
- Standardized widths for easy coil fit
- Unitized construction for cabinet integrity
- Heat exchanger compartment is insulated to increase efficiency and reduce sound levels
- Baked on prepainted steel cabinet finish

Constant Torque ECM
- Efficient blower motor
- Easily removable slide-out blower design

Controls
- Two-stage gas valve
- Integrated ignition and fan control
- System Sentry control retains last 10 fault codes with push button memory recall and 7 segment LED display, regardless of power interruption
- Hot surgace ignition system uses silicon nitride ignitor

Venting
- 2-speed induced draft motor with stainless steel shaft, steel ball bearings, and fan cooled for long life
- Certified for direct vent and indirect vent (1 and 2 pipe) applications

Installation Features
- Left or right gas and electric entry

Warranty
- 10-year limited parts warratny
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	1st Stage (Btuh) Input	1st Stage (Btuh) Output	2nd Stage (Btuh) Input	2nd Stage (Btuh) Output	Nom. Clg. Cap.(Tons)	Gas Inlet (In)	Min. Time Delay Breaker or Fuse	Nom. FLA	Supply W x D	Return W x D	Wt. (Lbs)
A96DF2E045B12S	29,000	28,000	44,000	43,000	3	1/2	15	–	16 x 20-1/8	16-3/8 x 19-1/2	131
A96DF2E070B12S	43,000	42,000	66,000	64,000	4	1/2	15	–	16 x 20-1/8	16-3/8 x 19-1/2	138
A96DF2E090C16S	57,000	56,000	88,000	85,000	5	1/2	20	10.9	19-1/2 x 20-1/8	19-7/8 x 19-1/2	166
A96DF2E110C20S	72,000	70,000	110,000	106,000	5	1/2	20	10.9	19-1/2 x 20-1/8	19-7/8 x 19-1/2	176

Downflow Furnaces

Pricing Available on Request

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	85896	A96DF2E045B12S 2 STG 96% 45K 3T W/X13 FURNACE DOWNFLOW
33 x 17-1/2 x 28-1/2	1	EA	85897	A96DF2E070B16S 2 STG 96% 70K 4T W/X13 FURNACE DOWNFLOW
33 x 21 x 28-1/2	1	EA	85898	A96DF2E090C16S 2 STG 96% 90K 4T W/X13 FURNACE DOWNFLOW
33 x 21 x 28-1/2	1	EA	85899	A96DF2E110C20S 2 STG 96% 110K 5T W/X13 FURNACE DOWNFLOW

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85410	11K48 LP KIT F/80 THRU 96 2 STG VAR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

ARMSTRONG AIR

AIREASE™

A95UH1E Gas Furnaces

Upflow/Horizontal, Single-Stage, Constant Torque Motor



Heat Exchanger Design
- Stainless steel primary heat exchanger with crimped non-welded construction
- AL 29-4C stainless steel secondary heat exchanger

Burner
- Aluminized steel inshot burners for smooth ignition

Cabinet Design
- Standardized widths for easy coil fit

Air Delivery System
- Multi-speed high efficiency (constant torque) blower motor
- Easily removable slide out blower design
- Enhanced cooling SEER ratings when applied with properly matched cooling equipment.

Controls
- Durable silicon nitride ignitor
- Self diagnostics saves last 10 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals

Venting
- Design certified for direct (2-pipe) and non-direct (1-pipe) applications
- Easily vented with PVC pipe

Installation Features
- Left or right utility connection
- Design certified for direct and non-direct vent applications
- Zero step horizontal conversion
- Removable floor base for bottom return air

Warranties*
- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Heating Capacity Input	Heating Capacity Output	Nom. Cooling Capacity	CFM Range @ .50" w.c.	Supply W x D	Return W x D	Dimensions H x W x D (In)	Weight (Lbs)
A95UH1E045B12S	44,000	42,000	1-1/2–3	635–1215	16-3/8 x 19-1/2	23 x 14	33 x 17-1/2 x 28-1/2	129
A95UH1E070B12S	66,000	64,000	1-1/2–3	670–1215	16-3/8 x 19-1/2	23 x14	33 x 17-1/2 x 28-1/2	136
A95UH1E090C16S	88,000	85,000	2-1/2–4	895– 1560	19-7/8 x 19-1/2	23 x14	33 x 21 x 28-1/2	160
A95UH1E110C20S	110,000	106,000	3–5	1215–2030	19-7/8 x 19-1/2	23 x14	33 x 21 x 28-1/2	170
A95UH1E135D20S	132,000	126,000	3-1/2–5	1395–2225	23-3/8 x 19-1/2	23 x14	33 x 24-1/2 x 28-1/2	187

Furnaces

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84372	A95UH1E045B12S 95% 45K 3T W/X13 MOTOR FURNACE UPFLOW/HORIZONTAL
1	EA	84373	A95UH1E070B12S 95% 70K 3T W/X13 MOTOR FURNACE UPFLOW/HORIZONTAL
1	EA	84374	A95UH1E090C16S 95% 90K 4T W/X13 MOTOR FURNACE UPFLOW/HORIZONTAL
1	EA	84375	A95UH1E110C20S 95% 110K 5T W/X13 MOTOR FURNACE UPFLOW/HORIZ 85W51
1	EA	84376	A95UH1E135D20S 95% 135K 5T W/X13 MOTOR FURNACE UPFLOW/HORIZONTAL

Accessories

1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A95DF1E Gas Furnaces

Downflow, Single-Stage, Constant Torque Motor



Heat Exchanger Design
- Stainless steel primary heat exchanger with crimped non-welded construction
- AL 29-4C stainless steel secondary heat exchanger

Burner
- Aluminized steel inshot burners for smooth ignition

Cabinet Design
- Standardized widths for easy coil fit

Air Delivery System
- Multi-speed high efficiency (constant torque) blower motor
- Easily removable slide out blower design
- Enhanced cooling SEER ratings when applied with properly matched cooling equipment.

Controls
- Durable silicon nitride ignitor
- Self diagnostics saves last 10 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals

Venting
- Design certified for direct (2-pipe) and non direct (1-pipe) applications
- Easily vented with PVC pipe

Installation Features
- Left or right utility connection
- Design certified for direct and non-direct vent applications
- Zero step horizontal conversion
- Removable floor base for bottom return air

Warranties*
- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Heating Capacity Input	Heating Capacity Output	Nom. Cooling Capacity	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In)	Weight (Lbs)
A95DF1E045B12S	44,000	42,000	1-1/2–3	650-1230	16 x 20-1/8	16-3/8 x 19-1/2	33 x 17-1/2 x 28-1/2	131
A95DF1E070B16S	66,000	64,000	2-1/2–4	690-1585	16 x 20-1/8	16-3/8 x 19-1/2	33 x 17-1/2 x 28-1/2	146
A95DF1E090C16S	88,000	85,000	2-1/2–4	925-1570	19-1/2 x 20-1/8	19-7/8 x 19-1/2	33 x 21 x 28-1/2	162
A95DF1E110C20S	110,000	106,000	3–5	1190-2060	19-1/2 x 20-1/8	19-7/8 x 19-1/2	33 x 21 x 28-1/2	174

Furnaces — Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84377	A95DF1E045B12S 95% 45K 3T W/X13 MOTOR FURNACE DOWNFLOW
1	EA	84378	A95DF1E070B16S 95% 70K 4T W/X13 MOTOR FURNACE DOWNFLOW
1	EA	84379	A95DF1E090C16S 95% 90K 4T W/X13 MOTOR FURNACE DOWNFLOW
1	EA	84380	A95DF1E110C20S 95% 110K 5T W/X13 MOTOR FURNACE DOWNFLOW

Accessories

1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A95UH1S Gas Furnaces

Upflow/Horizontal, Single-Stage



A951S Features

- 1-stage heating operation
- Standard PSC blower motor
- Stainless steel primary heat exchanger with crimped no weld construction
- AL 29-4C stainless steel secondary heat exchanger

Standard Features

- Standardized widths for easy coil fit
- Prepainted steel cabinet
- Basiloid packaging
- Crimped no-weld clam shell heat exchanger construction
- Aluminized inshot burners for quiet operation
- External condensate trap with clean out port for maximum installation flexibility
- Removable floor base for bottom return air
- Slide out blower assembly
- Easy access to flame sensor and igniter with forward facing fasteners
- Hot surface igniter for reliable operation
- LED fault code readouts

Warranties*

- 10-year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Heating Capacity Input	Heating Capacity Output	Add On Cooling	CFM Range	Dimensions H x W x D (In)	Return W x D	Supply W x D	Weight (Lbs)
A95UH1D045B08S	44,000	42,000	1.5-2.5	550-1000	33-1/8 x 17-1/2 x 28-1/2	16-3/8 x 19-1/2	23 x 14	120
A95UH1D070B12S	66,000	62,500	2.5-3.5	900-1400	33-1/8 x 17-1/2 x 28-1/2	16-3/8 x 19-1/2	23 x 14	130
A95UH1D090C12S	88,000	83,500	2.0-3.5	800-1400	33-1/8 x 21 x 28-1/2	16-3/8 x 19-1/2	23 x 14	140
A95UH1D090C16S	88,000	83,500	3.0-4.0	1200-1600	33-1/8 x 21 x 28-1/2	19-7/8 x 19-1/2	23 x 14	143
A95UH1D110C16S	110,000	104,500	3.0-4.0	1200-1600	33-1/8 x 21 x 28-1/2	19-7/8 x 19-1/2	23 x 14	168
A95UH1D110C20S	110,000	104,500	4.0-5.0	1600-2000	33-1/8 x 21 x 28-1/2	19-7/8 x 19-1/2	23 x 14	171
A95UH1D135D20S	132,000	125,500	4.0-5.0	1600-2000	33-1/8 x 24-1/2 x 28-1/2	23-3/8 x 19-1/2	23 x 14	181

Furnaces

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84381	A95UH1D045B08S 95% 1STG 45K 2T FURNACE UP/HORIZ STAINLESS
1	EA	84382	A95UH1D070B12S 95% 1STG 70K 3T FURNACE UP/HORIZ STAINLESS
1	EA	84383	A95UH1D090C12S 95% 1STG 90K 3T FURNACE UP/HORIZ STAINLESS
1	EA	84384	A95UH1D090C16S 95% 1STG 90K 4T FURNACE UP/HORIZ STAINLESS
1	EA	84385	A95UH1D110C16S 95% 1STG 110K 4T FURNACE UP/HORIZ STAINLESS
1	EA	84386	A95UH1D110C20S 95% 1STG 110K 5T FURNACE UP/HORIZ STAINLESS
1	EA	84387	A95UH1D135D20S 95% 1STG 135K 5T FURNACE UP/HORIZ STAINLESS

Accessories

1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84337	68W61 14.5" RETURN AIR BASE
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A95DF1S Gas Furnaces

Downflow, Single-Stage



A951S Features

- 1-stage heating operation
- Standard PSC blower motor
- Stainless steel primary heat exchanger with crimped no weld construction
- AL 29-4C stainless steel secondary heat exchanger

• Standard Features

- Standardized widths for easy coil fit
- Prepainted steel cabinet
- Basiloid packaging
- Crimped no-weld clam shell heat exchanger construction
- Aluminized inshot burners for quiet operation
- External condensate trap with clean out port for maximum installation flexibility
- Removable floor base for bottom return air
- Slide out blower assembly
- Easy access to flame sensor and igniter with forward facing fasteners
- Hot surface igniter for reliable operation
- LED fault code readouts

Warranties*

- 10-year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Heating Capacity		Add On Cooling	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In)	Weight (Lbs)
	Input	Output						
A95DF1D045B12S	44,000	42,000	2.0-3.0	850-1300	16 x 20-1/8	16-3/8 x 19-1/2	33-1/8 x 17-1/2 x 28-1/2	123
A95DF1D070B16S	66,000	62,500	2.0-3.0	800-1250	16 x 20-1/8	16-3/8 x 19-1/2	33-1/8 x 17-1/2 x 28-1/2	131
A95DF1D090C20S	88,000	83,500	4.0-5.0	1600-2000	19-1/2 x 20-1/8	19-7/8 x 19-1/2	33-1/8 x 21 x 28-1/2	144
A95UH1D110C20S	110,000	104,500	4.0-5.0	1600-2000	19-1/2 x 20-1/8	19-7/8 x 19-1/2	33-1/8 x 21 x 28-1/2	172

Furnaces

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84388	A95DF1D045B12S 95% 1 STAGE 45K 3T FURNACE DOWNFLOW STAINLESS
1	EA	84389	A95DF1D070B12S 95% 1 STAGE 70K 3T FURNACE DOWNFLOW STAINLESS
1	EA	84390	A95DF1D090C20S 95% 1 STAGE 90K 5T FURNACE DOWNFLOW STAINLESS
1	EA	84391	A95DF1D110C20S 95% 1 STAGE 110K 5T FURNACE DOWNFLOW STAINLESS

Accessories

1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A93UH1A Gas Furnaces

Upflow/Horizontal, Single-Stage



A931A Features

- 1-Stage heating operation
- Standard PSC blower motor
- Aluminized primary heat exchanger
- Stainless steel secondary heat exchanger

Standard Features

- Standardized widths for easy coil fit
- Prepainted steel cabinet
- Basiloid packaging
- Crimped no-weld clam shell heat exchanger construction
- Aluminized inshot burners for quiet operation
- External condensate trap with clean out port for maximum installation flexibility
- Removable floor base for bottom return air
- Slide out blower assembly
- Easy access to flame sensor and igniter with forward facing fasteners
- Hot surface igniter for reliable operation
- LED fault code readouts

Warranties*

- 10-year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Heating Capacity Input	Heating Capacity Output	Add On Cooling	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In)	Weight (Lbs)
A93UH1D045B08A	44,000	41,000	1.5-2.5	550-1000	16-3/8 x 19-1/2	23 x 14	33-1/8 x 17-1/2 x 28-1/2	120
A93UH1D070B08A	66,000	61,000	1.5-2.5	550-1000	16-3/8 x 19-1/2	23 x 14	33-1/8 x 17-1/2 x 28-1/2	126
A93UH1D070B12A	66,000	61,000	2.5-3.5	900-1400	16-3/8 x 19-1/2	23 x 14	33-1/8 x 17-1/2 x 28-1/2	128
A93UH1D090C12A	88,000	82,000	2.0-3.5	800-1400	16-3/8 x 19-1/2	23 x 14	33-1/8 x 21 x 28-1/2	138
A93UH1D090C16A	88,000	82,000	3.0-4.0	1200-1700	19-7/8 x 19-1/2	23 x 14	33-1/8 x 21 x 28-1/2	141
A93UH1D110C16A	110,000	102,000	3.0-4.0	1200-1700	19-7/8 x 19-1/2	23 x 14	33-1/8 x 21 x 28-1/2	166
A93UH1D110C20A	110,000	102,000	4.0-5.0	1550-2100	19-7/8 x 19-1/2	23 x 14	33-1/8 x 21 x 28-1/2	169

Furnaces

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84295	A93UH1D045B08A 93% 1 STAGE 45K 2T FURNACE UPFLOW/HORIZONTAL
1	EA	84296	A93UH1D070B08A 93% 1 STAGE 70K 2T FURNACE UPFLOW/HORIZONTAL
1	EA	84297	A93UH1D070B12A 93% 1 STAGE 70K 3T FURNACE UPFLOW/HORIZONTAL
1	EA	84298	A93UH1D090C12A 93% 1 STAGE 90K 3T FURNACE UPFLOW/HORIZONTAL
1	EA	84299	A93UH1D090C16A 93% 1 STAGE 90K 4T FURNACE UPFLOW/HORIZONTAL
1	EA	84300	A93UH1D110C16A 93% 1 STAGE 110K 4T FURNACE UPFLOW/HORIZONTAL
1	EA	84301	A93UH1D110C20A 93% 1 STAGE 110K 5T FURNACE UPFLOW/HORIZONTAL
1	EA	84302	A93UH1D135D20A 93% 1 STAGE 135K 5T FURNACE UPFLOW/HORIZONTAL

Accessories

1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84337	68W61 14.5" RETURN AIR BASE
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A93DF1A Gas Furnaces

Downflow, Single-Stage



A931A Features

- 1-Stage heating operation
- Standard PSC blower motor
- Aluminized primary heat exchanger
- Stainless steel secondary heat exchanger

Standard Features

- Standardized widths for easy coil fit
- Prepainted steel cabinet
- Basiloid packaging
- Crimped no-weld clam shell heat exchanger construction
- Aluminized inshot burners for quiet operation
- External condensate trap with clean out port for maximum installation flexibility
- Removable floor base for bottom return air
- Slide out blower assembly
- Easy access to flame sensor and igniter with forward facing fasteners
- Hot surface igniter for reliable operation
- LED fault code readouts

Warranties*

- 10-year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Heating Capacity		Add On Cooling	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In)	Weight (Lbs)
	Input	Output						
A93DF1D045B12A	44,000	41,000	2.0-3.0	850-1300	16 x 20-1/8	16-3/8 x 19-1/2	33-1/8 x 17-1/2 x 28-1/2	123
A93DF1D070B12A	66,000	61,000	2.0-3.0	800-1250	16 x 20-1/8	16-3/8 x 19-1/2	33-1/8 x 17-1/2 x 28-1/2	129
A93DF1D090C16A	88,000	82,000	3.0-4.0	1200-1600	19-1/2 x 20-1/8	19-7/8 x 19-1/2	33-1/8 x 21 x 28-1/2	142
A93DF1D110C20A	110,000	102,000	4.0-5.0	1550-2000	19-1/2 x 20-1/8	19-7/8 x 19-1/2	33-1/8 x 21 x 28-1/2	170

Furnaces

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84303	A93DF1D045B12A 93% 1 STAGE 45K 3T FURNACE DOWNFLOW
1	EA	84304	A93DF1D070B12A 93% 1 STAGE 70K 3T FURNACE DOWNFLOW
1	EA	84305	A93DF1D090C16A 93% 1 STAGE 90K 4T FURNACE DOWNFLOW
1	EA	84306	A93DF1D110C20A 93% 1 STAGE 110K 5T FURNACE DOWNFLOW

Accessories

1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	84342	71M80 1-1/2" CONCENTRIC VENT KIT
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A80US2V Gas Furnaces

Upflow/Horizontal, Two-Stage, Variable Speed



Features

- 2-stage gas control
- ECM variable speed blower motor
- Communicating control enabled
- Burner enclosure for quiet operation
- Left and right utility connections
- Rotable draft inducer for venting flexibility
- Standardized widths for easy coil fit
- Aluminized crimped no-weld clam shell heat exchanger
- Removable floor base for bottom return air
- Easily removable slide-out blower design
- Self-diagnostics saves last 5 fault codes regardless of power interruption
- Zero-step horizontal conversion
- LED fault code readouts

Warranties*

- 10-year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Heating Capacity		Nominal Clg.	CFM	Supply	Return	Dimensions	Weight
	Input	Output*	Cap (Tons)	Range	W x D	W x D	H x W x D (In)	(Lbs)
A80US2V070A12	66,000	52,000	3	612–1348	13-3/8 x 19-1/2	23 x 14	33 x 14-1/2 x 28-3/8	128
A80US2V090B12	88,000	70,000	3	455–1320	16-3/8 x 19-1/2	23 x 14	33 x 17-1/2 x 28-3/8	143
A80US2V090B16	88,000	70,000	4	608–1760	16-3/8 x 19-1/2	23 x 14	33 x 17-1/2 x 28-3/8	154
A80US2V090C20	88,000	70,000	5	734–1931	19-7/8 x 19-1/2	23 x 14	33 x 21 x 28-3/8	173
A80US2V110C20	110,000	87,000	5	945–2024	19-7/8 x 19-1/2	23 x 14	33 x 21 x 28-3/8	181
A80US2V135D20	132,000	105,000	5	869–2024	23-3/8 x 19-1/2	23 x 14	33 x 24-1/2 x 28-3/8	199

* Outputs shown are High Fire at 100% rate; Low Fire is 67% of shown output.

Furnaces

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86491	A80US2V070A12 80% 2 STAGE VAR 70K 3T COMM FURNACE UPFLOW/HORIZ
1	EA	86492	A80US2V090B12 80% 2 STAGE VAR 90K 3T COMM FURNACE UPFLOW/HORIZ
1	EA	86493	A80US2V090B16 80% 2 STAGE VAR 90K 4T COMM FURNACE UPFLOW/HORIZ
1	EA	86494	A80US2V090C20 80% 2 STAGE VAR 90K 5T COMM FURNACE UPFLOW/HORIZ
1	EA	86495	A80US2V110C20 80% 2 STAGE VAR 110K 5T COMM FURNACE UPFLOW/HORIZ
1	EA	86496	A80US2V135D20 80% 2 STAGE VAR 135K 5T COMM FURNACE UPFLOW/HORIZ

Accessories

1	EA	84259	77W08 LP KIT F/ 80% 2 STAGE FURNACE
1	EA	84337	68W61 14.5" RETURN AIR BASE
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A80DS2V Gas Furnaces

Downflow, Two-Stage, Variable Speed



Features

- 2-stage gas control
- ECM variable speed blower motor
- Communicating control enabled
- Burner enclosure for quiet operation
- Left and right utility connections
- Rotable draft inducer for venting flexibility
- Standardized widths for easy coil fit
- Aluminized crimped no-weld clam shell heat exchanger
- Removable floor base for bottom return air
- Easily removable slide-out blower design
- Self-diagnostics saves last 5 fault codes regardless of power interruption
- Zero-step horizontal conversion
- LED fault code readouts

Warranties*

- 10-year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Heating Capacity Input	Heating Capacity Cap (Tons)	Nominal Clg. Cap. (Tons)	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In)	Weight (Lbs)
A80DS2V070A12	66,000	52,800	3	567–1408	13 x 19-1/4	13-3/8 x 19-1/2	33 x 14-1/2 x 28-3/8	130
A80DS2V090B16	88,000	70,400	4	630–1760	16 x 19-1/4	16-3/8 x 19-1/2	33 x 17-1/2 x 28-3/8	153
A80DS2V110C20	110,000	88,000	5	806–1898	19-1/2 x 19-1/4	19-7/8 x 19-1/2	33 x 21 x 28-3/8	173

Furnaces

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86497	A80DS2V070A12 80% 2 STAGE VAR 70K 3T COMM FURNACE DOWNFLOW
1	EA	86498	A80DS2V090B16 80% 2 STAGE VAR 90K 4T COMM FURNACE DOWNFLOW
1	EA	86499	A80DS2V110C20 80% 2 STAGE VAR 110K 5T COMM FURNACE DOWNFLOW

Accessories

1	EA	84259	77W08 LP KIT F/ 80% 2 STAGE FURNACE
1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A80UH1E Gas Furnaces

Upflow/Horizontal, Single-Stage, Constant Torque



Features

- Aluminized-steel, tapered crimped, non-welded clam shell heat exchanger
- Left or right utility connections
- Rotatable draft inducer for venting flexibility
- Standardized widths for easy coil fit
- Multi-speed, high-efficiency (constant torque) blower motor
- Easily removable slide-out blower design
- Removable floor base for bottom return air
- Durable silicon nitride ignitor
- Self-diagnostics saves last 10 fault codes regardless of power interruption
- Zero-step horizontal conversion

Model No.	Heating Capacity		Nominal Clg.	CFM Range	Supply	Return	Dimensions	Weight
	Input	Output	Cap. (Tons)	@ .05" w.c.	W x D (In)	W x D (In)	H x W x D (In)	(Lbs)
A80UH1E045A12	44,000	35,200	1-1/2–3	535–1230	13-3/8x 19-1/2	14 x 23	33 x 14-1/2 x 28-3/8	111
A80UH1E070B12	66,000	52,800	1-1/2–3	695–1245	16-3/8 x 19-1/2	14 x 23	33 x 17-1/2 x 28-3/8	127
A80UH1E090B16	88,000	70,400	2-1/2–4	955–1615	16-3/8 x 19-1/2	14 x 23	33 x 17-1/2 x 28-3/8	142
A80UH1E090C20	88,000	70,400	3–5	1200–2060	19-3/8 x 19-1/2	14 x 23	33 x 21 x 28-3/8	152
A80UH1E110C20	110,000	88,000	4–5	1130–2025	19-3/8x 19-1/2	14 x 23	33 x 21 x 28-3/8	160
A80UH1E135D20	132,000	105,600	4–5	1415–2240	23-3/8 x 19-1/2	14 x 23	33 x 24-1/2 x 28-3/8	178

Furnaces

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	83968	A80UH1E045A12 1 STG 80% 45K 3T W/X13 FURNACE UPFLOW/HORIZONTAL
1	EA	83969	A80UH1E070B12 1 STG 80% 70K 3T W/X13 FURNACE UPFLOW/HORIZONTAL
1	EA	83970	A80UH1E090B16 1 STG 80% 90K 4T W/X13 FURNACE UPFLOW/HORIZONTAL
1	EA	83971	A80UH1E090C20 1 STG 80% 90K 5T W/X13 FURNACE UPFLOW/HORIZONTAL
1	EA	83972	A80UH1E110C20 1 STG 80% 110K 5T W/X13 FURNACE UPFLOW/HORIZONTAL
1	EA	83973	A80UH1E135D20 1 STG 80% 135K 5T W/X13 FURNACE UPFLOW/HORIZONTAL

Accessories

1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84337	68W61 14.5" RETURN AIR BASE
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A80DF1E Gas Furnaces

Downflow, Single-Stage, Constant Torque



Features

- Aluminized-steel, tapered crimped, non-welded clam shell heat exchanger
- Left or right utility connections
- Rotatable draft inducer for venting flexibility
- Standardized widths for easy coil fit
- Multi-speed, high-efficiency (constant torque) blower motor
- Easily removable slide-out blower design
- Removable floor base for bottom return air
- Durable silicon nitride ignitor
- Self-diagnostics saves last 10 fault codes regardless of power interruption
- Zero-step horizontal conversion

Model No.	Heating Capacity		Nominal Clg.	CFM Range	Supply	Return	Dimensions	Weight
	Input	Output	Cap. (Tons)	@ .05" w.c.	W x D (In)	W x D (In)	H x W x D (In)	(Lbs)
A80DF1E045A12	44,000	35,200	2–3	565–1275	19-1/4 x 13	13-3/8 x 19-1/2	33 x 14-1/2 x 28-3/8	113
A80DF1E070B12	66,000	52,800	2–3	705–1280	19-1/4 x 16	16-3/8 x 19-1/2	33 x 17-1/2 x 28-3/8	128
A80DF1E090B16	88,000	70,400	3–4	945–1570	19-1/4 x 16	16-3/8 x 19-1/2	33 x 17-1/2 x 28-3/8	140
A80DF1E110C20	110,000	88,000	4–5	1200–2165	19-1/4 x 19-1/2	19-7/8 x 19-1/2	33 x 21 x 28-3/8	160

Furnaces

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	83974	A80DF1E045A12 1 STG 80% 45K 3T W/X13 FURNACE DOWNFLOW
1	EA	83975	A80DF1E070B12 1 STG 80% 70K 3T W/X13 FURNACE DOWNFLOW
1	EA	83976	A80DF1E090B16 1 STG 80% 90K 4T W/X13 FURNACE DOWNFLOW
1	EA	83977	A80DF1E110C20 1 STG 80% 110K 5T W/X13 FURNACE DOWNFLOW

LP Kit

1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG

A80UH1D Gas Furnaces

Upflow/Horizontal, Single-Stage



Heat Exchanger Design
- Aluminized steel tapered crimped no-weld clam shell heat exchanger design

Cabinet Design
- Standardized widths for easy coil fit
- Prepainted steel cabinet

Air Delivery System
- Multi-speed PSC blower motor
- Easily removable slide out blower design

Controls
- Single-stage gas valve
- Self diagnostics saving last 5 fault codes regardless of power interruption

Venting
- Rotatable draft inducer for venting flexibility

Installation Features
- Left or right utility connections
- Removable floor base for bottom return air
- Zero step horizontal conversion

Warranties*
- 10-year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Heating Capacity		Add On Cooling	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In)	Weight (Lbs)
	Input	Output						
A80UH1D045A12	44,000	35,200	1.5-3.0	600-1400	13-3/8 x 19-1/2	23 x 14	33 x 14-1/2 x 28-3/8	119
A80UH1D070A08	66,000	52,800	1.0-2.0	400-800	13-3/8 x 19-1/2	23 x 14	33 x 14-1/2 x 28-3/8	120
A80UH1D070A12	66,000	52,800	1.5-3.0	600-1400	13-3/8 x 19-1/2	23 x 14	33 x 14-1/2 x 28-3/8	123
A80UH1D090B12	88,000	70,400	1.5-3.0	600-1400	16-3/8 x 19-1/2	23 x 14	33 x 17-1/2 x 28-3/8	135
A80UH1D090B16	88,000	70,400	2.0-4.0	800-1600	16-3/8 x 19-1/2	23 x 14	33 x 17-1/2 x 28-3/8	146
A80UH1D110C12	110,000	88,000	1.5-3.0	600-1400	19-3/8 x 19-1/2	23 x 14	33 x 21 x 28-3/8	163
A80UH1D110C16	110,000	88,000	2.0-4.0	800-1600	19-3/8 x 19-1/2	23 x 14	33 x 21 x 28-3/8	166
A80UH1D110C20	110,000	88,000	3.0-5.0	1200-2000	19-3/8 x 19-1/2	23 x 14	33 x 21 x 28-3/8	172
A80UH1D135D20	132,000	105,600	3.0-5.0	1200-2000	23-3/8 x 19-1/2	23 x 14	33 x 24-1/2 x 28-3/8	196

Furnaces

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84316	A80UH1D045A12 80% 1 STAGE 45K 3T FURNACE UPFLOW/HORIZONTAL
1	EA	84317	A80UH1D070A08 80% 1 STAGE 70K 2T FURNACE UPFLOW/HORIZONTAL
1	EA	84318	A80UH1D070A12 80% 1 STAGE 70K 3T FURNACE UPFLOW/HORIZONTAL
1	EA	84319	A80UH1D090B12 80% 1 STAGE 90K 3T FURNACE UPFLOW/HORIZONTAL
1	EA	84320	A80UH1D090B16 80% 1 STAGE 90K 4T FURNACE UPFLOW/HORIZONTAL
1	EA	84321	A80UH1D110C12 80% 1 STAGE 110K 3T FURNACE UPFLOW/HORIZONTAL
1	EA	84322	A80UH1D110C16 80% 1 STAGE 110K 4T FURNACE UPFLOW/HORIZONTAL
1	EA	84323	A80UH1D110C20 80% 1 STAGE 110K 5T FURNACE UPFLOW/HORIZONTAL
1	EA	84324	A80UH1D135D20 80% 1 STAGE 135K 5T FURNACE UPFLOW/HORIZONTAL

Accessories

1	EA	84331	72W47 LP KIT F/80% SINGLE STAGE
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	84337	68W61 14.5" RETURN AIR BASE
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

A80DF1D Gas Furnaces

Downflow, Single-Stage



Heat Exchanger Design
- Aluminized steel tapered crimped no-weld clam shell heat exchanger design

Cabinet Design
- Standardized widths for easy coil fit
- Prepainted steel cabinet

Air Delivery System
- Multi-speed PSC blower motor
- Easily removable slide out blower design

Controls
- Single-stage gas valve
- Self diagnostics saving last 5 fault codes regardless of power interruption

Venting
- Rotatable draft inducer for venting flexibility

Installation Features
- Left or right utility connections
- Removable floor base for bottom return air
- Zero step horizontal conversion

Warranties*
- 10-year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Heating Capacity		Add On Cooling	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In)	Weight (Lbs)
	Input	Output						
A80DF1D045A12	44,000	35,200	1.5-3.0	600-1400	13 x 19-1/4	13-3/8 x 19-1/2	33 x 14-1/2 x 28-3/8	121
A80DF1D070A12	66,000	52,800	1.5-3.0	600-1400	13 x 19-1/4	13-3/8 x 19-1/2	33 x 14-1/2 x 28-3/8	125
A80DF1D090B16	88,000	70,400	2.0-4.0	800-1600	16 x 19-1/4	16-3/8 x 19-1/2	33 x 17-1/2 x 28-3/8	148
A80DF1D110C20	110,000	88,000	3.0-5.0	1200-2000	19-1/2 x 19-1/4	19-7/8 x 19-1/2	33 x 21 x 28-3/8	175

Furnaces

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84325	A80DF1D045A12 80% 1 STAGE 45K 3T FURNACE DOWNFLOW
1	EA	84326	A80DF1D070A12 80% 1 STAGE 70K 3T FURNACE DOWNFLOW
1	EA	84327	A80DF1D090B16 80% 1 STAGE 90K 4T FURNACE DOWNFLOW
1	EA	84328	A80DF1D110C20 80% 1 STAGE 110K 5T FURNACE DOWNFLOW

Accessories

1	EA	84331	72W47 LP KIT
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR

Furnace Boxes

1	EA	11440	FB1428 14 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11441	FB1728 17 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11442	FB2128 21 3/4X 28 1/2X 18 1/2 FURNACE BOX
1	EA	11443	FB2428 24 3/4X 28 1/2X 18 1/2 FURNACE BOX

L83 Oil Furnaces

Single-Stage, Direct Drive



Heat Exchanger

- Heavy duty 14 gauge steel with a long lasting ceramic fiber combustion chamber.
- Easy access large diameter clean out ports.

Blower

- Direct drive with slide-out design (upflow only) and quick plug-in wiring.
- Dynamically balanced blower with resilient motor mounts for smooth and quiet operation.

Burner

- High quality Beckett Flame Retention AFG burner for efficient combustion.
- High efficiency PSC burner motor to provide consistent operation through all operating conditions.

Specifications

- Flue Diameter: 6 in.
- 120 Volts/60 Hz/1 Ph.
- Max. Time Delay Breaker or Fuse: 15 amp
- Trans.: 40 V A

Warranties*

- Lifetime limited heat exchanger warranty
- 10 year limited parts warranty

*On-line registration required within 60 days of installation. Warranty terms will be impaced if registration not completed on time. See warranty certificate for complete details.

Upflow Furnaces

Model No.	Nozzle Size	Input (BTUH)	Output (BTUH)	AFUE (ICS)	Nominal Cooling Capacity	Supply W x D (In)	Return W x D (In)	Cabinet Dimensions H x W x D (In)	Ship. Weight (Lbs)
L83UF1D57/72E12	.50 .65	67,500 85,500	57,000 72,000	84	2.0-3.0	18 x 19-5/8	18 x 22	54 x 19-1/2 x 30-5/8	230
L83UF1D84/95E16	.65 .75	101,000 113,500	84,000 95,000	83	2.5-4.0	18 x 19-5/8	18 x 22	54 x 19-1/2 x 30-5/8	250
L83UF1D112/125F20	.85 1.00	135,000 151,000	113,000 126,000	83	3.0-5.0	21 x 22-1/8	18 x 22	54 x 22-1/2 x 33-1/8	270

Counterflow Furnaces

Model No.	Nozzle Size	Input (BTUH)	Output (BTUH)	AFUE (ICS)	Nominal Cooling Capacity	Supply W x D (In)	Return W x D (In)	Cabinet Dimensions H x W x D (In)	Ship. Weight (Lbs)
L83HF1D84/95E12	.65 .75	101,000 113,500	85,000 95,000	83	2.0–3.0	18-1/4 x 18-1/4	18 x 18	59 x 20-1/2 x 20-1/2	250
L83HF1D112/125F20	.85 1.00	135,000 150,000	113,000 126,000	84	3.0–5.0	21-1/4 x 21-1/4	21 x 21	59 x 23-1/2 x 23-1/2	270

Basement Furnaces

Model No.	Nozzle Size	Input (BTUH)	Output (BTUH)	AFUE (ICS)	Nominal Cooling Capacity	Supply W x D (In)	Return W x D (In)	Cabinet Dimensions H x W x D (In)	Ship. Weight (Lbs)
L83BF1D57/72E12	.50 .65	67,500 85,500	57,000 72,000	84	2.0–3.0	18 x 21	18 x 16	37 x 19-1/2 x 52	220
L83BF1D84/95E16	.65 .75	101,000 113,500	85,000 95,,000	83	2.5–4.0	18 x 21	18 x 16	37 x 19-1/2 x 52	225
L83BF1D112/125F20	.85 1.00	134,000 151,000	113,000 127,000	83	3.0–5.0	21 x 21	21 x 16	37 x 22-1/2 x 52	270

Upflow Models

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85880	L83UF1D57/72E12 GRAY 83% UPLFOW OIL FURNACE
1	EA	85881	L83UF1D84/95E16 GRAY 83% UPLFOW OIL FURNACE
1	EA	85882	L83UF1D112125F20 GRAY 83% UPFLOW OIL FURNACE

Horizontal/Counterflow Models

1	EA	85883	L83HF1D84/95E12 GRAY 83% COUNTERFLOW/HORIZ OIL FURNACE
1	EA	85884	L83HF1D112125F20 GRAY 83% COUNTERFLOW/HORIZ OIL FURNACE

Basement Models

1	EA	85885	L83BF1D57/72E12 GRAY 83% BASEMENT OIL FURNACE
1	EA	85886	L83BF1D84/95E16 GRAY 83% BASEMENT OIL FURNACE
1	EA	85887	L83BF1D112125F20 GRAY 83% BASEMENT OIL FURNACE

Draft Hood Kits



Features

- Used on G1N80 Upflow or Counterflow applications.
  Model 585: 100K, 125K, 150K BTU input.
  Model 586: 50K and 75K BTU input.
- Simple and quick installation.
- Low installation cost.
- Can be installed on either interior or exterior tile lined chimneys.
- No derating of furnace required.

Benefits

- Adapts the current line of nominal 80% AFUE furnace's to meet customers needs.
- Shortens furnace installation time.
- Alternative to relining chimney or running new dedicated chimney.
- Gives the maximum amount of venting options.
- Maintains furnace's efficiency and ouput.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	68324	ACHIM585 DRAFT HOOD KIT
1	EA	68323	ACHIM586 DRAFT HOOD KIT

Line Sets

1/2" Insulation Line Sets

Length (Ft.)	Line Size Suction	Line Size Liquid	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	3/4	3/8	8	EA	54675	61220250-25FT 3/4S 3/8L 1/2I B COPPER LINE SET		
50	3/4	3/8	5	EA	54676	61220500-50FT 3/4S 3/8L 1/2I B COPPER LINE SET		
25	7/8	3/8	8	EA	54677	61420250-25FT 7/8S 3/8L 1/2I B COPPER LINE SET		
50	7/8	3/8	5	EA	54678	61420500-50FT 7/8S 3/8L 1/2I B COPPER LINE SET		
50	1-1/8	3/8	4	EA	54679	61820500-50FT 11/8S 3/8L 1/2I B COPPER LINE SET		

3/4" Insulation Line Sets

25	3/4	3/8	8	EA	54706	61230250 -25FT 3/4S 3/8L 3/4I COPPER LINE SET		
50	3/4	3/8	4	EA	54707	61230500 -50FT 3/4S 3/8L 3/4I COPPER LINE SET		
25	7/8	3/8	7	EA	54708	61430250 -25FT 7/8S 3/8L 3/4I COPPER LINE SET		
50	7/8	3/8	4	EA	54709	61430500 -50FT 7/8S 3/8L 3/4I COPPER LINE SET		

SPP6 Hard Start Kit

Required with all Expansion Valve Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94857	SPP6 RELAY & HARD START CAP	

4SCU20LX Condensing Units

20 SEER, Louvered, Variable Capacity, ComfortSync™



Compressor
- Inverter-driven scroll compressor for true variable capacity
- Internally protected against high temperature motor overload conditions
- Heavy duty compressor sound blanket for quiet operation

Cabinet
- Individual metal louvered panels are easily removeable for coil cleaning and service
- Corner-mount controls for easy service
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grille

Coil
- Enhanced tube-and-fin coil design featuring MHT™ technology
- Raised coil prevents debris from impeding airlflow

Components
- Sensors monitor ambient, liquid line, and coil temperatures for precision control
- Fan orifice for smoother airflow and sound level reduction
- Requires Comfort Sync thermostat and a ComfortSync enabled matching indoor unit
- Variable speed condenser fan motor
- Factory installed high and low pressure switches and crankcase heater
- Charged for 15 feet of line set

Warranties†
- 10 year limited warranty on compressor
- 10 year limited warranty on all parts
- AHRI certified

† On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not complete on time. See warranty certificate for complete details.

Condensing Units

Prices Available Upon Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
37.5 x 37.5 x 35.75	1	EA	85412	4SCU20LX124P 20 SEER INVERTER COMMUNICATING CONDENSER
37.5 x 37.5 x 35.75	1	EA	85413	4SCU20LX136P 20 SEER INVERTER COMMUNICATING CONDENSER
37.5 x 37.5 x 35.75	1	EA	85414	4SCU20LX148P 20 SEER INVERTER COMMUNICATING CONDENSER
37.5 x 37.5 x 35.75	1	EA	85415	4SCU20LX160P 20 SEER INVERTER COMMUNICATING CONDENSER

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All 4SCU20LX	1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
All 4SCU20LX	1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR
All 4SCU20LX	1	EA	86919	88K38 DISCHARGE AIR SENSOR
3/8 Tubing	1	EA	86920	93G35 FREEZE THERMOSTAT
All 4SCU20LX	1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
4SCU20LX124	1	EA	67837	H4TXV01-1 R-410A EXPANSION VALVE
4SCU20LX136	1	EA	67838	H4TXV02-1 R-410A EXPANSION VALVE
4SCU20LX148, 160	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE

NOTE: Specialized training is required for dealers offering the 4SCU20LX.

4SCU20LX Condensing Unit Performance Ratings

4SCU20LX124P-1

Furnace	Evaporator Coil or Air Handler	SEER	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM High	CFM Medium	CFM Low
	BCE4M30S*	20.00	14.00	24,000	18,000	800	500	375
	BCE4M36S*	20.00	14.50	24,000	18,000	800	500	375
A80DS2V090B16	E*1P48B+H4TXV01	20.00	14.00	24,000	18,000	800	500	375
A80US2V070A12	E*1P29A+H4TXV01	20.00	14.00	24,000	18,000	800	500	375
A80US2V070A12	E*1P36A+H4TXV01	20.00	14.50	24,000	18,000	800	500	375
A80US2V090B12	E*1P29B+H4TXV01	20.00	14.00	24,000	18,000	800	500	375
A80US2V090B12	E*1P36B+H4TXV01	20.00	14.50	24,000	18,000	800	500	375
A96DS2V045B12	E*1P48B+H4TXV01	20.00	14.00	24,000	18,000	800	500	375
A96DS2V070B16	E*1P48B+H4TXV01	20.00	14.00	24,000	18,000	800	500	375
A96US2V045B12	E*1P29B+H4TXV01	20.00	14.00	24,000	18,000	800	500	375
A96US2V045B12	E*1P36B+H4TXV01	20.00	14.50	24,000	18,000	800	500	375
A96US2V070B12	E*1P29B+H4TXV01	20.00	14.00	24,000	18,000	800	500	375
A96US2V070B12	E*1P36B+H4TXV01	20.00	14.50	24,000	18,000	800	500	375
A97DSMV070B12	E*1P48B+H4TXV01	20.00	14.00	24,000	18,000	800	500	375
A97USMV070B12	E*1P29B+H4TXV01	20.00	14.00	24,000	18,000	800	500	375
A97USMV070B12	E*1P36B+H4TXV01	20.00	14.50	24,000	18,000	800	500	375
A97USMV090C12	E*1P36C+H4TXV01	20.00	14.00	24,000	18,000	800	500	375

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Furnace	Evaporator Coil or Air Handler	SEER	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM High	CFM Medium	CFM Low
	BCE4M36S*	20.00	13.00	34,400	25,500	1250	720	550
A80DS2V090B16	E*1P48B+H4TXV02	20.00	13.50	34,800	25,500	1250	720	550
A80US2V070A12	E*1P36A+H4TXV02	19.50	13.00	33,400	25,500	1250	720	550
A80US2V090B12	E*1P36B+H4TXV02	20.00	13.50	35,000	25,500	1250	720	550
A80US2V090B12	E*1P43B+H4TXV02	20.00	14.00	35,000	25,500	1250	720	550
A80US2V090B12	E*1P48B+H4TXV02	20.00	13.50	34,800	25,500	1250	720	550
A80US2V090B16	E*1P36B+H4TXV02	20.00	13.50	35,000	25,500	1250	720	550
A80US2V090B16	E*1P43B+H4TXV02	20.00	14.00	35,000	25,500	1250	720	550
A80US2V090B16	E*1P48B+H4TXV02	20.00	13.50	34,800	25,500	1250	720	550
A96DS2V045B12	E*1P48B+H4TXV02	20.00	13.00	34,600	25,500	1250	720	550
A96DS2V070B16	E*1P48B+H4TXV02	20.00	13.00	35,000	25,500	1250	720	550
A96US2V045B12	E*1P36B+H4TXV02	20.00	13.00	34,800	25,500	1250	720	550
A96US2V045B12	E*1P43B+H4TXV02	20.00	13.00	35,000	25,500	1250	720	550
A96US2V045B12	E*1P48B+H4TXV02	20.00	13.00	34,600	25,500	1250	720	550
A96US2V070B12	E*1P36B+H4TXV02	20.00	13.00	35,000	25,500	1250	720	550
A96US2V070B12	E*1P43B+H4TXV02	20.00	13.00	35,000	25,500	1250	720	550
A96US2V070B12	E*1P48B+H4TXV02	20.00	13.00	34,600	25,500	1250	720	550
A96US2V090C12	E*1P43C+H4TXV02	20.00	13.50	35,000	25,500	1250	720	550
A96US2V090C12	E*1P48C+H4TXV02	20.00	13.50	34,800	25,500	1250	720	550
A96US2V090C12	E*1P50C+H4TXV02	20.00	13.50	35,000	25,500	1250	720	550
A96US2V090C16	E*1P43C+H4TXV02	20.00	14.00	35,000	25,500	1250	720	550
A96US2V090C16	E*1P48C+H4TXV02	20.00	13.50	34,800	25,500	1250	720	550
A96US2V090C16	E*1P50C+H4TXV02	20.00	13.50	35,000	25,500	1250	720	550
A96US2V110C16	E*1P43C+H4TXV02	20.00	14.00	35,000	25,500	1250	720	550
A96US2V110C20	E*1P43C+H4TXV02	20.00	13.50	34,800	25,500	1250	720	550
A97DSMV070B12	E*1P48B+H4TXV02	20.00	13.00	34,000	25,500	1250	720	550
A97DSMV090C12	E*1P48C+H4TXV02	20.00	13.00	34,000	25,500	1250	720	550
A97DSMV090C16	E*1P48C+H4TXV02	20.00	13.00	34,000	25,500	1250	720	550
A97USMV070B12	E*1P36B+H4TXV02	20.00	13.00	35,000	25,500	1250	720	550
A97USMV070B12	E*1P43B+H4TXV02	20.00	13.50	35,000	25,500	1250	720	550
A97USMV070B12	E*1P48B+H4TXV02	20.00	13.00	34,600	25,500	1250	720	550
A97USMV090C12	E*1P36C+H4TXV02	20.00	13.00	33,000	25,500	1250	720	550
A97USMV090C12	E*1P43C+H4TXV02	20.00	13.50	35,000	25,500	1250	720	550
A97USMV090C12	E*1P48C+H4TXV02	20.00	13.50	34,800	25,500	1250	720	550
A97USMV090C12	E*1P50C+H4TXV02	20.00	13.50	35,000	25,500	1250	720	550
A97USMV090C16	E*1P43C+H4TXV02	20.00	14.00	35,000	25,500	1250	720	550
A97USMV090C16	E*1P48C+H4TXV02	20.00	13.50	34,800	25,500	1250	720	550
A97USMV090C16	E*1P50C+H4TXV02	20.00	13.50	35,000	25,500	1250	720	550
A97USMV110C20	E*1P43C+H4TXV02	20.00	14.00	35,000	25,500	1250	720	550
A97USMV110C20	E*1P48C+H4TXV02	20.00	13.50	34,800	25,500	1250	720	550

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Furnace	Evaportaor Coil or Air Handler	Furnace	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM (High)	CFM (Medium)	CFM (Low)
	BCE4M48S*	20.00	13.00	46,000	33,500	1580	1050	830
	BCE4M60S*	20.00	13.00	46,500	33,500	1580	1050	830
A80DS2V110C20	E*1P50C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A80US2V090B16	E*1P43B+H4TXV03	19.00	12.00	45,500	33,500	1580	1050	830
A80US2V090B16	E*1P48B+H4TXV03	19.00	12.00	45,000	33,500	1580	1050	830
A80US2V090C20	E*1P43C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A80US2V090C20	E*1P49C+H4TXV03	19.00	12.00	46,500	33,500	1580	1050	830
A80US2V090C20	E*1P50C+H4TXV03	19.00	12.00	45,500	33,500	1580	1050	830
A80US2V090C20	E*1P48C+H4TXV03	18.50	12.00	45,000	33,500	1580	1050	830
A80US2V110C20	E*1P43C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A80US2V110C20	E*1P48C+H4TXV03	19.00	12.00	45,000	33,500	1580	1050	830
A80US2V110C20	E*1P50C+H4TXV03	19.00	12.00	45,500	33,500	1580	1050	830
A96DS2V090C20	E*1P50C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A96DS2V110C20	E*1P50C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A96US2V090C16	E*1P43C+H4TXV03	19.00	12.00	45,500	33,500	1580	1050	830
A96US2V090C16	E*1P48C+H4TXV03	19.00	12.00	45,000	33,500	1580	1050	830
A96US2V090C16	E*1P49C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A96US2V090C16	E*1P50C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A96US2V090C20	E*1P48C+H4TXV03	19.00	12.00	45,000	33,500	1580	1050	830
A96US2V090C20	E*1P49C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A96US2V090C20	E*1P50C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A96US2V110C16	E*1P43C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A96US2V110C16	E*1P49C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A96US2V110C16	E*1P50C+H4TXV03	19.00	12.00	45,500	33,500	1580	1050	830
A96US2V110C16	E*1P48C+H4TXV03	18.50	12.00	45,000	33,500	1580	1050	830
A96US2V110C20	E*1P49C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A96US2V110C20	E*1P50C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A96US2V110C20	E*1P48C+H4TXV03	18.50	12.00	45,000	33,500	1580	1050	830
A97DSMV090C16	E*1P50C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A97DSMV090C20	E*1P50C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A97DSMV110C20	E*1P50C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A97USMV090C16	E*1P43C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A97USMV090C16	E*1P48C+H4TXV03	19.00	12.00	45,000	33,500	1580	1050	830
A97USMV090C16	E*1P49C+H4TXV03	19.00	12.00	46,500	33,500	1580	1050	830
A97USMV090C16	E*1P50C+H4TXV03	19.00	12.00	45,500	33,500	1580	1050	830
A97USMV090C20	E*1P43C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A97USMV090C20	E*1P49C+H4TXV03	19.00	12.00	46,500	33,500	1580	1050	830
A97USMV090C20	E*1P50C+H4TXV03	19.00	12.00	45,500	33,500	1580	1050	830
A97USMV090C20	E*1P48C+H4TXV03	18.50	12.00	45,000	33,500	1580	1050	830
A97USMV110C20	E*1P43C+H4TXV03	19.00	12.00	46,000	33,500	1580	1050	830
A97USMV110C20	E*1P48C+H4TXV03	19.00	12.00	46,500	33,500	1580	1050	830
A97USMV110C20	E*1P49C+H4TXV03	19.00	12.00	46,500	33,500	1580	1050	830
A97USMV110C20	E*1P50C+H4TXV03	19.00	12.00	45,500	33,500	1580	1050	830

4SCU20LX160P -1

Furnace	Evaportaor Coil or Air Handler	Furnace	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM (High)	CFM (Medium)	CFM (Low)
	BCE4M60S*	19.00	13.00	57,000	41,500	1800	1135	890
A80US2V090C20	E*1P49C+H4TXV03	19.00	13.00	57,000	41,500	1800	1135	890
A80US2V090C20	E*1P62C+H4TXV03.	19.00	13.00	58,000	41,500	1800	1135	890
A80US2V110C20	E*1P49C+H4TXV03	19.00	12.50	57,000	41,500	1800	1135	890
A80US2V110C20	E*1P62C+H4TXV03.	19.00	13.00	58,000	41,500	1800	1135	890
A80US2V135D20	E*1P62D+H4TXV03	19.00	13.00	57,000	41,500	1800	1135	890
A96US2V090C20	E*1P49C+H4TXV03	19.00	12.50	56,500	41,500	1800	1135	890
A96US2V090C20	E*1P62C+H4TXV03.	19.00	12.50	57,000	41,500	1800	1135	890
A96US2V110C20	E*1P49C+H4TXV03	19.00	12.50	56,500	41,500	1800	1135	890
A96US2V110C20	E*1P62C+H4TXV03.	19.00	12.50	57,000	41,500	1800	1135	890
A96US2V135D20	E*1P62D+H4TXV03	19.00	12.50	57,000	41,500	1800	1135	890
A97USMV090C20	E*1P49C+H4TXV03	19.00	12.50	56,500	41,500	1800	1135	890
A97USMV090C20	E*1P62C+H4TXV03.	19.00	12.70	58,000	41,500	1800	1135	890
A97USMV110C20	E*1P49C+H4TXV03	19.00	12.50	56,500	41,500	1800	1135	890
A97USMV110C20	E*1P62C+H4TXV03.	19.00	13.00	58,000	41,500	1800	1135	890
A97USMV135D20	E*1P62D+H4TXV03	19.00	13.00	57,000	41,500	1800	1135	890

4SCU18LS Condensing Units

18 SEER, 2-Stage, Comfort Sync™



Compressor

- 2-stage scroll compressor
- Grommet mounted compressor for quiet operation
- Heavy duty compressor sound blanket for quiet operation

Cabinet

- Full metal louvered jacket coil guard protection
- Controls located in corner post for easy installation and service
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grille

Coil

- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components

- Filter drier installed for system protection
- Charged for 15 feet of line set
- Thermostat flexibility: Works with the Comfort Sync™ thermostat or a conventional 24V thermostat

Warranties*

- 10 year limited warranty on compressor
- 10 year limited warranty on all parts
- ARI certified

*On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not complete on time. See warranty certificate for complete details.

Condensing Units, Communicating

Prices Available Upon Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
44 x 35-2/3 x 37-2/3	1	EA	84661	4SCU18LS124P-1 18 SEER 208/230V 1PH R-410A CONDENSER COMMUNICATING
44 x 35-2/3 x 37-2/3	1	EA	84664	4SCU18LS160P-1 18 SEER 208/230V 1PH R-410A CONDENSER COMMUNICATING

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4SCU18LS124, 36, 48, 60	1	EA	61692	34M72 LOW AMBIENT KIT
4SCU18LS124, 36	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4SCU18LS148, 60	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE
All 4SCU18LS	1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
All 4SCU18LS	1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
All 4SCU18LS	1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR

4SCU18LS Condensing Unit Performance Ratings

4SCU18LS124P

Indoor Model		SEER	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		TXV
							Outdoor		Indoor				
Evaporator Coil or Air Handler	Variable Speed Furmace						Suction	Liquid	Suction	Liquid	Suction	Liquid	
BCS2M36@00NA1P		18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	EFV08BC	17.8	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	EFV08BC	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30A	A80DF1E045A12	17.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A80DF1E070B12	16.5	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A80DF1E070B12	16.5	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30A	A80+2V070A12	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A80+2V090B16	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A80+2V090B16	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30A	A80UH1E045A12*	17.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A80UH1E070B12*	16.5	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A80UH1E070B12*	16.5	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30A	A80#2V070A12	17.5	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A80#2V090B12	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A80#2V090B12	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A80#2V090B16	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A80#2V090B16	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A95DF1E045B12S	16.5	13.0	24,000	18,500	800	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A95DF1E045B12S	16.5	13.0	24,000	18,500	800	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A95DF2V045B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A95DF2V045B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A95UH1E045B12S	16.5	13.0	24,000	18,500	830	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A95UH1E045B12S	16.5	13.0	24,000	18,500	830	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A95UH1E070B12S	16.5	13.0	24,000	18,500	800	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A95UH1E070B12S	16.5	13.0	24,000	18,500	800	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A95UH2V045B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A95UH2V045B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A95UH2V070B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A95UH2V070B12S	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30C	A95UH2V090C12S	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A95UH2V090C12S	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A96DFMV070B12 A97DSMV070B12	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A96DFMV070B12 A97DSMV070B12	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30B	A96UHMV070B12 A97USMV070B12	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A96UHMV070B12 A97USMV070B12	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M)1P30C	A96UHMV090C12 A97USMV090C12	18.0	13.0	24,000	18,500	900	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A96UHMV090C12 A97USMV090C12	18.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	LBR,LUF*****V14	17.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	LHF,LHR,LUF*****V12	17.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	LUF,LBF,LBR*****V14	17.0	13.0	24,000	18,500	900	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01

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Indoor Model		SEER	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		TXV
							Outdoor		Indoor				
Evaporator Coil or Air Handler	Variable Speed Furmace						Suction	Liquid	Suction	Liquid	Suction	Liquid	
BCS2M60@00NA1P		15.5	11.7	57,000	41,600	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	EFV16CC	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62D	EFV20DC	15.0	11.5	57,000	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A80DF1E110C20	15.1	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A80DF1E110C20	15.1	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A80+2V110C20	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A80+2V110C20	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A80UH1E090C20*	15.5	12.0	57,000	41,600	1730	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A80UH1E090C20*	15.5	12.0	57,500	42,400	1730	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A80UH1E110C20*	15.5	12.0	57,000	41,600	1730	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A80UH1E110C20*	15.5	12.0	57,500	42,400	1730	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A80#2V090C20	15.0	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A80#2V090C20	15.0	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A80#2V110C20	15.0	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A80#2V110C20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62D	A80#2V135D20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A95DF1E110C20S	15.1	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A95DF1E110C20S	15.1	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A95DF2V090C20S	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A95DF2V090C20S	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A95DF2V110C20S	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A95DF2V110C20S	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A95UH1E110C20S	15.1	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A95UH1E110C20S	15.1	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A95UH2V090C20S	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A95UH2V090C20S	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A95UH2V110C20S	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A95UH2V110C20S	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62D	A95UH2V135D20S	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A96DFMV090C20 A97DSMV090C20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A96DFMV090C20 A97DSMV090C20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A96DFMV110C20 A97DSMV110C20	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A96DFMV110C20 A97DSMV110C20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A96UHMV090C20 A97USMV090C20	15.0	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A96UHMV090C20 A99USMV090C20	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A96UHMV110C20 A97USMV110C20	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A96UHMV110C20 A97USMV110C20	15.5	12.0	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62D	A96UHMV135D20 A99USMV135D20	15.5	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62D	LUF*****V20	15.1	11.5	57,500	42,000	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03

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4SCU16LS Condensing Units

16 SEER, R-410A, Communicating



Compressor

- 2-stage scroll compressor
- Grommet mounted compressor for quiet operation
- Heavy duty compressor sound blanket for quiet operation

Cabinet

- Full metal louvered jacket coil guard protection
- Controls located in corner post for easy installation and service
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grille

Coil

- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components

- Thermostat flexibility: works with the Comfort Sync™ thermostat or a conventional 24V thermostat
- High and low pressure switches factory installed
- Filter drier installed for system protection
- Charged for 15 feet of line set

Warranties*

- 10 year limited warranty on compressor
- 10 year limited warranty on all parts
- AHRI certified
- ETL listed

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not complete on time. See warranty certificate for complete details.

Condensing Units, Communicating

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
43-3/4 x 29-1/4 x 31-1/4	1	EA	84665	4SCU16LS124P-3 16 SEER 208/230V 1PH R-410A CONDENSER COMMUNICATING
29-3/4 x 29-1/4 x 31-1/4	1	EA	84666	4SCU16LS136P-3 16 SEER 208/230V 1PH R-410A CONDENSER COMMUNICATING
37-3/4 x 29-1/4 x 31-1/4	1	EA	84667	4SCU16LS148P-3 16 SEER 208/230V 1PH R-410A CONDENSER COMMUNICATING
43-3/4 x 35-3/4 x 37-3/4	1	EA	84668	4SCU16LS160P-3 16 SEER 208/230V 1PH R-410A CONDENSER COMMUNICATING

Accessories

For the Following Equipment	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4SCU16LS124, 36	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4SCU16LS148	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE
4SCU16LS160	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE
All 4SCU16	1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
All 4SCU16	1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
All 4SCU16	1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR

4SCU16LS Condensing Unit Performance Ratings

4SCU16LS124P-1

Indoor Model		SEER	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		TXV
							Outdoor		Indoor				
Evaporator Coil or Air Handler	Variable Speed Furmace						Suction	Liquid	Suction	Liquid	Suction	Liquid	
BCS2M24@00NA1P		15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
BCS2M36@00NA1P		15.5	12.5	24,000	18,000	800	3/4	3/8	7/8	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	EFV08BC	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,M,H)1P29B	EFV08BC	15.5	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29A	A80DF1E045A12	15.0	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36A	A80DF1E045A12	15.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29B	A80DF1E070B12	14.5	11.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A80DF1E070B12	14.5	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29A	A80+2V070A12	16.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36A	A80+2V070A12	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A80+2V090B16	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,M,H)1P29B	A80+2V090B16	16.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29A	A80UH1E045A12*	15.5	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36A	A80UH1E045A12*	15.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29B	A80UH1E070B12*	15.0	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A80UH1E070B12*	14.5	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29A	A80#2V070A12	16.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36A	A80#2V070A12	15.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A80#2V090B12	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,M,H)1P29B	A80#2V090B12	16.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A80#2V090B16	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,M,H)1P29B	A80#2V090B16	16.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29B	A95DF1E045B12S	15.0	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A95DF1E045B12S	15.0	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29B	A95DF2V045B12S	16.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A95DF2V045B12S	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29B	A95UH1E045B12S	15.0	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A95UH1E045B12S	15.0	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29B	A95UH1E070B12S	14.5	11.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A95UH1E070B12S	14.5	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29B	A95UH2V045B12S	16.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A95UH2V045B12S	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P29B	A95UH2V070B12S	16.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A95UH2V070B12S	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36C	A95UH2V090C12S	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A96DFMV070B12 A97DSMV070B12	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,M,H)1P29B	A96DFMV070B12 A97DSMV070B12	16.0	12.0	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	A96UHMV070B12 A97USMV070B12	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,M,H)1P29B	A96UHMV070B12 A97USMV070B12	16.0	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36C	A96UHMV090C12 A97USMV090C12	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	LBR,LUF*****V14	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	LHF,LHR,LUF*****V12	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01
E(U,C,M,H)1P36B	LUF,LBF,LBR*****V14	15.5	12.5	24,000	18,000	800	3/4	3/8	3/4	3/8	3/4	3/8	A4TXV01

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Indoor Model		SEER	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		TXV
							Outdoor		Indoor				
Evaporator Coil or Air Handler	Variable Speed Furmace						Suction	Liquid	Suction	Liquid	Suction	Liquid	
BCS2M36@00NA1P		16.0	12.0	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	EFV12BC	15.5	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	EFV12BC	16.0	11.5	34,400	26,200	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36A	A80DF1E045A12	15.5	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	A80DF1E070B12	16.0	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A80DF1E070B12	15.0	11.0	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	A80DF1E090B16	15.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A80DF1E090B16	15.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	A80+2V090B16	15.5	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A80+2V090B16	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A80+2V110C20	16.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A80+2V110C20	16.0	12.0	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36A	A80UH1E045A12*	15.5	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	A95UH2V045B12S	15.5	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A95UH2V045B12S	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	A95UH2V070B12S	15.5	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A95UH2V070B12S	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A95UH2V090C12S	15.5	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A95UH2V090C12S	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A95UH2V090C16S	15.5	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A95UH2V090C16S	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A95UH2V090C20S	15.5	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A95UH2V090C20S	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A95UH2V110C16S	15.5	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A95UH2V110C16S	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	A96DFMV070B12 A97DSMV070B12	15.5	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A96DFMV070B12 A97DSMV070B12	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A96DFMV090C16 A97DSMV090C16	16.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A96DFMV090C16 A97DSMV090C16	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A96DFMV090C20 A97DSMV090C20	16.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A96DFMV090C20 A97DSMV090C20	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A96DFMV110C20 A97DSMV110C20	16.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A96DFMV110C20 A97DSMV110C20	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	A96UHMV070B12 A97USMV070B12	16.0	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A96UHMV070B12 A97USMV070B12	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A96UHMV090C12 A97USMV090C12	16.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A96UHMV090C12 A97USMV090C12	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01

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Indoor Model		SEER	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		TXV
							Outdoor		Indoor				
Evaporator Coil or Air Handler	Variable Speed Furmace						Suction	Liquid	Suction	Liquid	Suction	Liquid	
E(U,C,M,H)1P36B	A96DFMV070B12 A97DSMV070B12	15.5	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A96DFMV070B12 A97DSMV070B12	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A96DFMV090C16 A97DSMV090C16	16.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A96DFMV090C16 A97DSMV090C16	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A96DFMV090C20 A97DSMV090C20	16.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A96DFMV090C20 A97DSMV090C20	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A96DFMV110C20 A97DSMV110C20	16.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A96DFMV110C20 A97DSMV110C20	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	A96UHMV070B12 A97USMV070B12	16.0	11.5	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	A96UHMV070B12 A97USMV070B12	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A96UHMV090C12 A97USMV090C12	16.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A96UHMV090C12 A97USMV090C12	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A96UHMV090C16 A97USMV090C16	16.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A96UHMV090C16 A97USMV090C16	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36C	A96UHMV110C20 A97USMV110C20	16.0	12.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43C	A96UHMV110C20 A97USMV110C20	16.0	11.5	34,400	25,800	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	LBR,LUF*****V14	15.0	11.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	LBR,LUF*****V14	15.0	11.5	34,400	26,200	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	LHF,LHR,LUF*****V12	15.0	11.0	34,400	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	LHF,LHR,LUF*****V12	15.0	11.5	34,400	26,200	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P36B	LUF,LBF,LBR*****V14	15.0	11.5	35,000	26,200	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01
E(U,C,M,H)1P43B	LUF,LBF,LBR*****V14	15.0	11.0	34,400	26,200	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01

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Indoor Model		SEER	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		TXV
							Outdoor		Indoor				
Evaporator Coil or Air Handler	Variable Speed Futmace						Suction	Liquid	Suction	Liquid	Suction	Liquid	
BCS2M48@00NA1P		15.0	12.0	46,000	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	EFV16CC	14.5	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C)1P62D	EFV20DC	14.5	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A80DF1E110C20	14.5	11.5	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A80+2V110C20	15.5	11.5	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A80UH1E090C20*	14.5	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A80UH1E110C20*	14.5	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A80#2V090C20	15.0	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A80#2V110C20	15.0	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C)1P62D	A80#2V135D20	15.0	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A95DF2V090C20S	15.0	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A95DF2V110C20S	15.0	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A95UH1E110C20S	14.5	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A95UH2V090C16S	15.0	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A96DFMV110C20 A97DSMV110C20	15.0	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A96UHMV090C16 A97USMV090C16	15.0	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A96UHMV090C20 A97USMV090C20	15.5	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C,H)1P62C	A96UHMV110C20 A97USMV110C20	15.5	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C)1P62D	A96UHMV135D20 A97USMV135D20	15.0	11.0	46,000	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02
E(U,C)1P62C	LUF*****V20	14.5	11.0	46,500	34,900	1600	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV02

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Indoor Model		SEER	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		TXV
							Outdoor		Indoor				
Evaporator Coil or Air Handler	Variable Speed Furmace						Suction	Liquid	Suction	Liquid	Suction	Liquid	
BCS2M60@00NA1P		15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C)1P60D	EFV20DC	14.6	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C)1P62D	EFV20DC	15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A80DF1E110C20	15.0	11.5	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A80+2V110C20	15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A80UH1E090C20*	15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A80UH1E110C20*	15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A80#2V090C20	14.5	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A80#2V110C20	14.5	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C)1P62D	A80#2V135D20	14.5	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A95DF1E110C20S	14.5	10.5	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A95DF2V090C20S	14.5	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A95DF2V110C20S	15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A95UH1E110C20S	14.5	10.5	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A95UH2V090C20S	15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A95UH2V110C20S	15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62D	A95UH2V135D20S	15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A96DFMV090C20 A97DSMV090C20	14.5	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A96DFMV110C20 A97DSMV110C20	14.5	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A96UHMV090C20 A97USMV090C20	15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C,H)1P62C	A96UHMV110C20 A97USMV110C20	15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02
E(U,C)1P62D	A96UHMV135D20 A97USMV135D20	15.0	11.0	57,000	42,800	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	A4TXV02

4SCU16LE Condensing Units

16 SEER, R-410A



Compressor

- High efficiency scroll compressor
- Grommet mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy duty compressor sound blanket for quiet operation

Cabinet

- Full metal louvered jacket coil guard protection
- Controls located in corner post for easy installation and service
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grille

Coil

- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Warranties*

- 10 year limited warranty on compressor
- 10 year limited warranty on all parts
- AHRI certified
- UL listed

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not complete on time. See warranty certificate for complete details.

Condensing Units

Prices Available on Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
29-3/4 x 24-3/4 x 26-3/4	1	EA	83890	4SCU16LE118P 16 SEER 230V 1PH 1STG CONDENSER
29-3/4 x 29.38 x 31-1/4	1	EA	83891	4SCU16LE124P 16 SEER 230V 1PH 1STG CONDENSER
37-3/4 x 29.38 x 31-1/4	1	EA	83892	4SCU16LE130P 16 SEER 230V 1PH 1STG CONDENSER
37-3/4 x 29.38 x 31-1/4	1	EA	83893	4SCU16LE136P 16 SEER 230V 1PH 1STG CONDENSER
33-3/4 x 29.38 x 31-1/4	1	EA	83894	4SCU16LE142P 16 SEER 230V 1PH 1STG CONDENSER
37-3/4 x 29.38 x 31-1/4	1	EA	83895	4SCU16LE141P 16 SEER 230V 1PH 1STG CONDENSER
33-3/4 x 29.38 x 31-1/4	1	EA	83896	4SCU16LE148P 16 SEER 230V 1PH 1STG CONDENSER
37-3/4 x 29.38 x 31-1/4	1	EA	83897	4SCU16LE147P 16 SEER 230V 1PH 1STG CONDENSER
37-3/4 x 35-3/4 x 37-3/4	1	EA	83898	4SCU16LE160P 16 SEER 230V 1PH 1STG CONDENSER
37-3/4 x 35-3/4 x 37-3/4	1	EA	83899	4SCU16LE159P 16 SEER 230V 1PH 1STG CONDENSER

Accessories

For Use with the Following Models	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4SCU16LE118, 24, 30	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4SCU16LE136, 42, 48, 60	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE

4SCU14LE Condensing Units

14 SEER, R-410A



Compressor

- High efficiency scroll compressor
- Grommet mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy duty compressor sound blanket for quiet operation

Cabinet

- Full metal louvered jacket coil guard protection
- Controls located in corner post for easy installation and service
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grille

Coil

- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components

- Filter drier shipped loose for installation flexibility (Bercors 84650–84656 only)
- Charged for 15 feet of line set
- High and low pressure switches (Bercors 84650–84656 only)

Warranties*

- 10 year limited warranty on compressor
- 10 year limited warranty on all parts
- AHRI certified
- UL listed

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not complete on time. See warranty certificate for complete details.

Condensing Units (Achieve 14 SEER with Piston) — Available Only While Supplies Last

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
29-3/4 x 24-3/4 x 26-3/4	1	EA	84650	4SCU14LE118P 14 SEER 208/230V 1PH CONDENSER R410A 1.343060
29-3/4 x 29.38 x 31-1/4	1	EA	84651	4SCU14LE124P 14 SEER 208/230V 1PH CONDENSER R410A 1.343061
37-3/4 x 29.38 x 31-1/4	1	EA	84653	4SCU14LE136P 14 SEER 208/230V 1PH CONDENSER R410A 1.343063
29-3/4 x 29.38 x 31-1/4	1	EA	84654	4SCU14LE142P 14 SEER 208/230V 1PH CONDENSER R410A 1.343064
37-3/4 x 29.38 x 37-3/4	1	EA	84649	4SCU14LE159P 14 SEER 208/230V 1PH CONDENSER R410A 1.343069
37-3/4 x 35-3/4 x 37-3/4	1	EA	84656	4SCU14LE160P 14 SEER 208/230V 1PH CONDENSER R410A 1.343066

Condensing Units (Need TXV to Achieve 14 SEER) — Prices Available on Request

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
29-3/4 x 29-3/8 x 31-1/4	1	EA	84335	4SCU14LE141P-1 14 SEER 208/230V 1PH CONDENSER R410A 1.343067
37-3/4 x 29-3/8 x 30-1/4	1	EA	84336	4SCU14LE147P 14 SEER 208/230V 1PH CONDENSER R410A 1.343068

Accessories

For Use with the Following Models	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4SCU14LE118, 24, 30, 36	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4SCU14LE141, 42, 47, 48, 59, 60	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE
4SCU14LE48, 60	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE

4SCU14LE Condensing Unit Performance Ratings

AIREASE™

Indoor Model		SEER	EER	Rated ARI Capacity[1]	Rated Sensible Capacity	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
Evaporator Coil or Air Handler[3]	Variable Speed Furnace			BTUH	BTUH		Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SCU14LE118P-4													
BCE3M18C****P		14.0	12.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
BCS2M24S00NA1P		15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
BCS2M24V00NA1P		15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	EFV08BC	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A97USMV070B12	16.0	13.0	18800	12600	700	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A97DSMV070B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A95UH2V070B12	16.0	13.0	18300	12600	680	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A95UH2V045B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A95UH2E070B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A95UH2E045B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A95UH1E070B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A95UH1E045B12	16.0	13.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A95DF2V045B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A95DF2E070B16	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A95DF1E045B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A80US2V090B16	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A80US2V090B12	14.5	12.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23A	A80US2V070A12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A80UH1E070B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23A	A80UH1E045A12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23A	A80DS2V070A12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23A	A80DF2V070A12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	A80DF1E070B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23A	A80DF1E045A12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	L83HF1V84/95E12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	L83HR1V84/95E12	14.5	12.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P23B	L83UF1V57/72E12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	EFV08BC	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A97USMV070B12	16.0	13.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A97DSMV070B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A95UH2V070B12	16.0	13.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A95UH2V045B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A95UH2E070B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A95UH2E045B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A95UH1E070B12	14.5	12.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A95UH1E045B12	16.0	13.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A95DF2V045B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A95DF2E070B16	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A95DF2E045B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A95DF1E045B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A80US2V090B16	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A80US2V090B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29A	A80US2V070A12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A80UH1E070B12	14.5	12.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29A	A80UH1E045A12	16.0	13.0	18000	12600	640	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29A	A80DS2V070A12	14.5	12.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29A	A80DF2V070A12	14.5	12.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	A80DF1E070B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29A	A80DF1E045A12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	L83HF1V84/95E12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	L83HR1V84/95E12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P29B	L83UF1V57/72E12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P30B	A95UH2V070B12	16.0	13.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P30B	A95UH2V045B12	16.0	13.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P30B	A95UH2E070B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P30B	A95UH2E045B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P30B	A95DF2V045BV12	16.0	13.0	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P30B	A95DF2E070B16	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01
E*1P30B	A95DF2E045B12	15.1	12.5	18000	12600	650	3/4	3/4	3/8	3/4	3/8	0.053	A4TXV01

[1] Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240

[2] Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.

[3] A blower time delay relay is standard on all Allied Air Enterprises furnace and AH products.

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Indoor Model		SEER	EER	Rated ARI Capacity[1] BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
Evaporator Coil or Air Handler[3]	Variable Speed Furnace						Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SCU14LE124P-4													
BCE3M24C****P		14.0	12.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
BCS2M24S00NA1P		16.0	13.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
BCS2M24V00NA1P		16.0	13.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	EFV08BC	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A97USMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A97USMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A97USMV070B12	16.0	13.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A97DSMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A95UH2V090B12	16.0	13.0	23000	17000	780	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A95UH2V070B12	16.0	13.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A95UH2V045B12	16.0	13.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A95UH1E070B12	16.0	13.0	23000	17000	780	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A95UH1E045B12	15.1	12.5	23000	17000	760	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A95DF2V070B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A95DF2V045B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A95DF2E070B16	15.1	12.0	23000	17000	760	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A95DF1E070B16	15.1	12.5	23000	17000	760	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A95DF1E045B12	15.1	12.5	23000	17000	760	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A80US2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A80US2V090B12	16.0	13.0	23000	17000	830	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23A	A80US2V070A12	15.1	12.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A80UH1E070B12	14.5	12.0	23000	17000	760	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A80UH1E070B12	16.0	13.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23A	A80UH1E045A12	15.1	12.5	23000	17000	760	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A80DS2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23A	A80DS2V070A12	15.1	12.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	A80DF2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23A	A80DF2V070A12	15.1	12.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23A	A80DF1E070B12	14.5	12.0	23000	17000	760	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23A	A80DF1E045A12	15.1	12.5	23000	17000	760	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	L85UF1V67/87E14	15.1	12.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	L85B*1V67/87E14	15.1	12.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	L83UF1V84/95E14	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	L83UF1V57/72E12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	L83HR1V84/95E12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	L83HF1V84/95E12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P23B	L83B*1V84/95E14	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	EFV08BC	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A97USMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A97USMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B		15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A95UH2V070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A95UH2V045B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A95UH2E070B12	15.1	12.0	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A95UH1E070B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A95UH1E045B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A95DF2V070B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A95DF2V045B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A95DF2E070B16	15.1	12.0	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A95DF1E070B16	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A95DF1E045B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A80US2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A80US2V090B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24A	A80US2V070A12	15.1	12.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A80UH1E070B12	14.5	12.0	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24A	A80UH1E045A12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A80DS2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24A	A80DS2V070A12	15.1	12.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	A80DF2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24A	A80DF2V070A12	15.1	12.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01

[1] Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240
[2] Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.
[3] A blower time delay relay is standard on all Allied Air Enterprises furnace and AH products.

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Indoor Model		SEER	EER	Rated ARI Capacity[1]	Rated Sensible Capacity	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
Evaporator Coil or Air Handler[3]	Variable Speed Furnace						Outdoor	Indoor					
				BTUH	BTUH		Suction	Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SCU14LE124P-4													
E*1P24B	A80DF1E070B12	14.5	12.0	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24A	A80DF1E045A12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	L85UF1V67/87E14	15.1	12.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P24B	L85B*1V67/87E14	15.1	12.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	EFV08BC	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A97USMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A97USMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A97USMV070B12	16.0	13.0	23000	17000	780	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A97DSMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95UH2V090B12	16.0	13.0	23000	17000	780	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95UH2V070B12	15.1	12.5	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95UH2V070B12	16.0	13.0	23000	17000	780	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95UH2V045B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95UH2V045B12	16.0	13.0	23000	17000	760	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95UH2E070B12	16.0	13.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95UH2E045B12	16.0	13.0	23000	17000	785	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95UH1E070B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95UH1E070B12	16.0	13.0	23000	17000	780	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95UH1E045B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95UH1E045B12	16.0	13.0	23000	17000	760	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95DF2V070B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95DF2V045B12	14.5	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95DF2E070B16	15.1	12.0	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95DF1E070B16	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A95DF1E045B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A80US2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A80US2V090B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29A	A80US2V070A12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A80UH1E070B12	16.0	13.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29A	A80UH1E045A12	16.0	13.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A80DS2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29A	A80DS2V070A12	14.5	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A80DF2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29A	A80DF2V070A12	14.5	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	A80DF1E070B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29A	A80DF1E045A12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	L85UF1V67/87E14	15.1	12.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	L85B*1V67/87E14	15.1	12.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	L83UF1V84/95E14	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	L83UF1V57/72E12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	L83HR1V84/95E12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	L83HF1V84/95E12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P29B	L83B*1V84/95E14	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	EFV08BC	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A97USMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A97USMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A97USMV070B12	16.0	13.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A97DSMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95UH2V070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95UH2V070B12	16.0	13.0	23000	17000	780	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95UH2V045B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95UH2V045B12	16.0	13.0	23000	17000	760	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95UH2E070B12	15.1	12.0	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95UH1E070B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95UH1E070B12	16.0	13.0	23000	17000	780	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95UH1E045B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95DF2V070B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95DF2V045B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95DF2E070B16	15.1	12.0	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A95DF1E070B16	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01

[1] Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240
[2] Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.
[3] A blower time delay relay is standard on all Allied Air Enterprises furnace and AH products.

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Indoor Model		SEER	EER	Rated ARI Capacity[1] BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
Evaporator Coil or Air Handler[3]	Variable Speed Furnace						Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SCU14LE124P-4													
E*1P30B	A95DF1E045B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A80US2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A80US2V090B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A80US2V070B12	16.0	13.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30A	A80US2V070A12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A80UH1E070B12	16.0	13.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30A	A80UH1E045A12	16.0	13.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A80DS2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30A	A80DS2V070A12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A80DF2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30A	A80DF2V070A12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	A80DF1E070B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30A	A80DF1E045A12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	L85UF1V67/87E14	15.1	12.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P30B	L85B*1V67/87E14	15.1	12.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	EFV08BC	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36C	A97USMV090C12	16.0	13.0	23000	17000	780	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A97USMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A97USMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A97USMV070B12	16.0	13.0	23000	17000	780	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A97DSMV070B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A95UH2V070B12	15.1	12.5	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A95UH2V045B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A95UH1E070B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A95UH1E045B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A95DF2V070B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A95DF2V045B12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A95DF2E070B16	15.1	12.0	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A95DF1E070B16	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A95DF1E045B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A80US2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A80US2V090B12	16.0	13.0	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36A	A80US2V070A12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A80UH1E070B12	16.0	13.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36A	A80UH1E045A12	16.0	13.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A80DS2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36A	A80DS2V070A12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A80DF2V090B16	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36A	A80DF2V070A12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	A80DF1E070B12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36A	A80DF1E045A12	15.1	12.5	23000	17000	770	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	L85UF1V67/87E14	15.1	12.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	L85B*1V67/87E14	15.1	12.0	23000	17000	800	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	L83UF1V84/95E14	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	L83UF1V57/72E12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	L83HR1V84/95E12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	L83HF1V84/95E12	15.1	12.5	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01
E*1P36B	L83B*1V84/95E14	15.1	12.50	23000	17000	850	3/4	3/4	3/8	3/4	3/8	0.057	A4TXV01

[1] Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240
[2] Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.
[3] A blower time delay relay is standard on all Allied Air Enterprises furnace and AH products.

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Indoor Model		SEER	EER	Rated ARI Capacity[1] BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
Evaporator Coil or Air Handler[3]	Variable Speed Furnace						Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SCU14LE136P-4													
BCE3M36C****P		13.5	11.5	33000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
BCE3M42C****P		14.0	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
BCS2M36V00NA1P		15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
BCS2M42V00NA1P		15.0	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
BCS2M48V00NA1P		15.0	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	EFV16CC	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	EFV12BC	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A97USMV110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A97USMV090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A97USMV090C12	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A97USMV070B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A97DSMV110C20	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A97DSMV090C20	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A97DSMV090C16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A97DSMV070B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95UH2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95UH2V110C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95UH2V090C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95UH2V090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95UH2V090C12	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A95UH2V070B12	14.5	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A95UH2V045B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95UH2E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95UH2E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95UH1E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95UH1E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95DF2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95DF2V090C20	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A95DF2V045B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95DF2E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95DF2E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A95DF2E070B16	15.1	12.5	34000	24800	1150	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95DF1E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A95DF1E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A95DF1E070B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A80US2V110C20	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A80US2V090C20	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A80US2V090B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A80US2V090B12	14.5	12.0	34000	24800	1170	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A80UH1E110C20	16.0	13.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A80UH1E090C20	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A80UH1E090B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A80UH1E070B12	16.0	13.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A80DS2V110C20	15.1	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A80DS2V090B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A80DF2V110C20	15.1	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A80DF2V090B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36C	A80DF1E110C20	14.50	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A80DF1E090B16	15.10	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	A80DF1E070B12	14.50	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	L83UF1V84/95E14	14.50	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	L83B*1V84/95E14	14.50	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P36B	L83B*1V112/125F20	15.10	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A97USMV110C20	16.00	13.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A97USMV090C16	15.10	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A97USMV090C12	15.10	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A97USMV070B12	14.50	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A97DSMV110C20	15.10	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A97DSMV090C20	15.10	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A97DSMV090C16	15.10	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01

[1] Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240
[2] Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.
[3] A blower time delay relay is standard on all Allied Air Enterprises furnace and AH products.

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Indoor Model		SEER	EER	Rated ARI Capacity[1]	Rated Sensible Capacity	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
Evaporator Coil or Air Handler[3]	Variable Speed Furnace			BTUH	BTUH		Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SCU14LE136P-4													
E*1P43C	A97DSMV070B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95UH2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95UH2V110C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95UH2V110C16	16.0	13.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95UH2V090C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95UH2V090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95UH2V090C12	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A95UH2V070B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A95UH2V045B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95UH2E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95UH2E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95UH1E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95UH1E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A95UH1E070B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95DF2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95DF2V090C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A95DF2V070B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A95DF2V045B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95DF2E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95DF2E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A95DF2E070B16	15.1	12.5	34000	24800	1150	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95DF1E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A95DF1E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A80US2V110C20	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A80US2V090C20	16.0	13.0	34000	24800	1250	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A80US2V090B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A80US2V090B12	14.5	12.0	34000	24800	1170	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A80UH1E110C20	16.0	13.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A80UH1E090C20	16.0	13.0	34000	24800	1190	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A80UH1E090B16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A80UH1E070B12	16.0	13.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A80DS2V110C20	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A80DS2V090B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A80DF2V090B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43C	A80DF1E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A80DF1E090B16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	A80DF1E070B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	L83UF1V84/95E14	14.5	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	L83UF1V112/125F20	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	L83B*1V84/95E14	14.5	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P43B	L83B*1V112/125F20	14.5	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95UH2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95UH2V090C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95UH2V090C12	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A95UH2V070B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A95UH2V045B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95UH2E110C20	15.0	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95UH2E090C16	15.0	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95UH1E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95UH1E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A95UH1E070B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95DF2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95DF2V090C20	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A95DF2V070B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A95DF2V045B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95DF2E110C20	15.0	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95DF2E090C16	15.0	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A95DF2E070B16	15.0	12.5	34000	24800	1150	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95DF1E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A95DF1E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01

[1] Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240
[2] Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.
[3] A blower time delay relay is standard on all Allied Air Enterprises furnace and AH products.

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Indoor Model		SEER	EER	Rated ARI Capacity[1]	Rated Sensible Capacity	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
Evaporator Coil or Air Handler[3]	Variable Speed Furnace			BTUH	BTUH		Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SCU14LE136P-4													
E*1P48B	A95DF1E070B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A80US2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A80US2V090C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A80US2V090B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A80US2V090B12	14.5	12.0	34000	24800	1170	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A80UH1E110C20	16.0	13.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A80UH1E090C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A80UH1E090B16	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A80UH1E070B12	16.0	13.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A80DS2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A80DS2V090B16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A80DF2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A80DF2V090B16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48C	A80DF1E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A80DF1E090B16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	A80DF1E070B12	14.5	12.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	L83UF1V84/95E14	14.5	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	L83B*1V84/95E14	14.5	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P48B	L83B*1V112/125F20	14.5	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95UH2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95UH2V090C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95UH2V090C12	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95UH2E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95UH2E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95UH1E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95UH1E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95DF2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95DF2V090C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95DF2E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95DF2E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95DF1E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A95DF1E090C16	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A80US2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A80US2V090C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A80UH1E110C20	16.0	13.0	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A80UH1E090C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A80DS2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A80DF2V110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	A80DF1E110C20	15.1	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	L83UF1V84/95E14	14.5	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	L83B*1V84/95E14	14.5	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01
E*1P49C	L83B*1V112/125F20	14.5	12.5	34000	24800	1200	7/8	7/8	3/8	7/8	3/8	0.071	A4TXV01

[1] Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240
[2] Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.
[3] A blower time delay relay is standard on all Allied Air Enterprises furnace and AH products.

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Indoor Model		SEER	EER	Rated ARI Capacity[1]	Rated Sensible Capacity	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
Evaporator Coil or Air Handler[3]	Variable Speed Furnace			BTUH	BTUH		Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SCU14LE142P-4													
BCE3M42C****P		14.0	11.5	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
BCS2M42S00NA1P		14.0	11.5	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
BCS2M42V00NA1P		14.0	11.5	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
BCS2M48V00NA1P		15.5	12.5	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
BCS2M60V00NA1P		15.0	12.5	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	EFV16CC	14.5	12.0	41000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A97USMV110C20	14.5	12.0	41000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A97USMV090C20	14.5	12.0	41000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A97USMV090C16	14.5	12.0	41000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A97DSMV110C20	14.5	12.0	41000	30000	1420	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A97DSMV090C20	14.5	12.0	41000	30000	1420	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A97DSMV090C16	14.5	12.0	41000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95UH2V110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95UH2V110C16	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95UH2V090C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95UH2V090C16	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95UH2E110C20	15.0	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95UH2E090C16	15.0	12.0	40000	30000	1350	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95UH1E110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95UH1E090C16	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95DF2V110C20	14.5	12.0	40000	30000	1420	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95DF2V090C20	14.5	12.0	40000	30000	1420	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95DF2E110C20	15.0	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95DF2E090C16	15.0	12.0	40000	30000	1350	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95DF1E110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A95DF1E090C16	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A80US2V110C20	14.5	12.5	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A80US2V090C20	15.1	12.5	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A80UH1E110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A80UH1E090C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A80DS2V110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A80DF2V110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	A80DF1E110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	L83UF1V84/95E14	15.0	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P49C	L83B*1V112/125F20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	EFV16CC	14.5	12.0	41000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A97USMV110C20	14.5	12.5	41000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A97USMV090C20	14.5	12.5	41000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A97USMV090C16	14.5	12.5	41000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A97DSMV110C20	14.5	12.5	41000	30000	1420	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A97DSMV090C20	14.5	12.5	41000	30000	1420	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A97DSMV090C16	14.5	12.5	41000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95UH2V110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95UH2V110C16	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95UH2V090C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95UH2V090C16	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95UH2E110C20	15.1	12.5	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95UH2E090C16	15.1	12.5	40000	30000	1350	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95UH1E110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95UH1E090C16	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95DF2V110C20	14.5	12.0	40000	30000	1420	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95DF2V090C20	14.5	12.0	40000	30000	1420	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95DF2E110C20	15.1	12.5	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95DF2E090C16	15.1	12.5	40000	30000	1350	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A95DF1E110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A80US2V110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A80US2V090C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A80UH1E110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A80UH1E090C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A80DS2V110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A80DF2V110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	A80DF1E110C20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	L83UF1V84/95E14	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02
E*1P62C	L83B*1V112/125F20	14.5	12.0	40000	30000	1400	7/8	7/8	3/8	7/8	3/8	0.076	A4TXV02

[1] Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240

[2] Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.

[3] A blower time delay relay is standard on all Allied Air Enterprises furnace and AH products.

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Indoor Model		SEER	EER	Rated ARI Capacity[1] BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
Evaporator Coil or Air Handler[3]	Variable Speed Furnace						Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SCU14LE159P-4													
BCE3M48C****P		14.0	12.5	57000	41000	1800	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
BCE3M60C****P		14.0	12.5	57000	41000	1800	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
BCS2M48V++++P		15.1	12.5	57000	41000	1800	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
BCS2M60V++++P		14.5	12.0	57000	41000	1800	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
E*1P62C	A97USMV110C20	14.5	12.5	57000	41000	1770	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
E*1P62C	A95UH2V110C20	14.5	12.5	57000	41000	1770	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
E*1P62C	A95UH2V110C16	14.5	12.5	57000	41000	1760	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
E*1P62C	A95UH1E110C20	15.2	12.6	57000	41000	1740	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
E*1P62C	A80US2V090C20	14.5	12.5	57000	41000	1800	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
E*1P62C	A80UH1E110C20	14.5	12.5	57000	41000	1800	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
E*1P62C	A80UH1E090C20	15.2	12.6	57000	41000	1790	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
E*1P62C	A80DF1E110C20	15.1	12.5	57000	41000	1870	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
E*1P62D	A97USMV135D20	14.5	12.5	57000	41000	1800	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
E*1P62D	A95UH2V135D20	14.5	12.5	57000	41000	1800	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
E*1P62D	A80UH1E135C20	15.1	12.5	57000	41000	1800	7/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
4SCU14LE160P-4													
BCE3M60C****P		14.0	12.0	58000	41800	1800	1 1/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
BCS2M60S00NA1P		14.0	12.0	58000	41800	1800	1 1/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02
BCS2M60V00NA1P		14.0	12.0	58000	41800	1800	1 1/8	7/8	3/8	1-1/8	3/8	0.093	A4TXV02

[1] Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240
[2] Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.
[3] A blower time delay relay is standard on all Allied Air Enterprises furnace and AH products.

4SCU14LB Condensing Units

14 SEER, R-410A



Compressor

- High efficiency scroll compressor
- Grommet mounted compressor for quiet operation
- Protected against high temperature motor overload conditions

Cabinet

- Full metal louvered panel coil guard protection
- Controls located in corner for easy access
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grille
- External gauge ports for easy service

Coil

- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Warranties*

- 10 year limited warranty on compressor
- 10 year limited warranty on all parts
- AHRI certified

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not complete on time. See warranty certificate for complete details.

Condensing Units

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
29-3/4 x 24-3/4 x 26-3/4	1	EA	85903	4SCU14LB118P 14 SEER 208/230V 1PH CONDENSER
29-3/4 x 29.38 x 31-1/4	1	EA	85904	4SCU14LB124P 14 SEER 208/230V 1PH CONDENSER
37-3/4 x 29.38 x 31-1/4	1	EA	85905	4SCU14LB130P 14 SEER 208/230V 1PH CONDENSER
37-3/4 x 29.38 x 31-1/4	1	EA	85906	4SCU14LB136P 14 SEER 208/230V 1PH CONDENSER
33-3/4 x 29.38 x 31-1/4	1	EA	85907	4SCU14LB142P 14 SEER 208/230V 1PH CONDENSER
33-3/4 x 29.38 x 31-1/4	1	EA	85908	4SCU14LB148P 14 SEER 208/230V 1PH CONDENSER
37-3/4 x 37-3/4 x 35 x 3/4	1	EA	85909	4SCU14LB160P 14 SEER 208/230V 1PH CONDENSER

Accessories

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4SCU14LB118, 24, 30	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4SCU14LB136, 42, 48, 60	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE

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4SCU13LE Condensing Units

13 SEER, R-410A, 1-Phase



Compressor
- High efficiency scroll compressor.
- R-410A refrigerant.
- Grommet mounted compressor for quiet operation.
- Internally protected against high temperature motor overload conditions.
- Heavy-duty compressor sound blanket.

Cabinet
- Full metal louvered jacket coil guard protection.
- Controls located in corner post for easy installation and service.
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability.
- PVC-coated wire fan discharge grille
- External guage ports for easy service.

Coils
- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components
- Filter drier installed for system protection.
- Indoor coil orifice shipped with outdoor unit for optimum efficiency and capacity
- Charged for 15 feet of line set

Warranty
- 10 year limited warranty on 1-phase compressors*
- 10 year limited warranty on 1-phase parts*
- U.L. Listed

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

1-Phase Condensing Units

Prices Available on Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
25-3/4 x 24-3/4 x 26-3/4	1	EA	84040	4SCU13LE118P-5 13 SEER 208/230V 1PH R-410A ENHANCED CONDENSER
25-3/4 x 24-3/4 x 26-3/4	1	EA	84041	4SCU13LE124P-5 13 SEER 208/230V 1PH R-410A ENHANCED CONDENSER
29-3/4 x 24-3/4 x 26-3/4	1	EA	84042	4SCU13LE130P-5 13 SEER 208/230V 1PH R-410A ENHANCED CONDENSER
29-3/4 x 24-3/4 x 26-3/4	1	EA	84043	4SCU13LE136P-5 13 SEER 208/230V 1PH R-410A ENHANCED CONDENSER
29-3/4 x 29-3/8 x 31-1/4	1	EA	84047	4SCU13LE142P-5 13 SEER 208/230V 1PH R-410A ENHANCED CONDENSER
33-3/4 x 29-3/8 x 31-1/4	1	EA	84048	4SCU13LE148P-5 13 SEER 208/230V 1PH R-410A ENHANCED CONDENSER
29-3/4 x 29-3/8 x 31-1/4	1	EA	84049	4SCU13LE160P-5 13 SEER 208/230V 1PH R-410A ENHANCED CONDENSER

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All 4SCU13LE	1	EA	61692	34M72 LOW AMBIENT KIT
4SCU13LE 18 -42	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4SCU13LE 48,60	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE
All 4SCU13LE	1	EA	86229	47J27 LB-50709BK OFF CONTROL-TIMED
All 4SCU13LE	1	EA	86920	93G35 FREEZE THERMOSTAT

4SCU13LE Condensing Unit Performance Ratings

4SCU13LE118P-5

Indoor Model		SEER	EER	Rated ARI Cap. BTUH	Rated Sensible Cap. BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
Evaporator Coil or Air Handler	Variable Speed Furnace						Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid*	Piston‡	TXV
BCE3M18C****P		13.0	11.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
BCS2M24S++++P		14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
BCS2M24V++++P		14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
BCE3M24E****X		14.0	11.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	NA	A4TXV01†
E*1P23A	A80DF1E045A12	13.5	11.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24A	A80DF1E045A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29A	A80DF1E045A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A80DF1E070B12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A80DF1E070B12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A80DF1E070B12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23A	A80DF2V070A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24A	A80DF2V070A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29A	A80DF2V070A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23A	A80DS2V070A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24A	A80DS2V070A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29A	A80DS2V070A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23A	A80UH1E045A12*	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24A	A80UH1E045A12*	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29A	A80UH1E045A12*	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A80UH1E070B12*	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A80UH1E070B12*	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A80UH1E070B12*	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23A	A80UH2V070A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24A	A80UH2V070A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29A	A80UH2V070A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A80UH2V090B12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A80UH2V090B12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A80UH2V090B12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A80UH2V090B16	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A80UH2V090B16	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A80UH2V090B16	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23A	A80US2V070A12	14.0	12.0	17,600	12,800	650	3/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24A	A80US2V070A12	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29A	A80US2V070A12	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01

‡ Required to achieve AHR1 rating. If N/A (Not Applicable) is in the piston column, then TXV is required.
† Factory installed.
* For lines 25ft or over, use 3/8".

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Indoor Model Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid*	Piston‡	TXV
E*1P23B	A80US2V090B12	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A80US2V090B12	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A80US2V090B12	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A80US2V090B16	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A80US2V090B16	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A80US2V090B16	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A95DF1E045B12S	13.5	11.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A95DF1E045B12S	13.5	11.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A95DF1E045B12S	13.5	11.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A95DF2V045B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A95DF2V045B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A95DF2V045B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A95UH1E045B12S	13.5	11.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A95UH1E045B12S	13.5	11.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A95UH1E045B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A95UH1E070B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A95UH1E070B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A95UH1E070B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A95UH2V045B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A95UH2V045B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A95UH2V045B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A95UH2V070B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A95UH2V070B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A95UH2V070B12S	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A97DSMV070B12*	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A97DSMV070B12*	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A97DSMV070B12*	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	A97USMV070B12*	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	A97USMV070B12*	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	A97USMV070B12*	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P23B	EFV08BC	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P24B	EFV08BC	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01
E*1P29B	EFV08BC	14.0	12.0	17,600	12,800	650	5/8	3/4	3/8	5/8	1/4	0.053	A4TXV01

‡ Required to achieve AHRI rating. If N/A (Not Applicable) is in the piston column, the TXV is required.
* For lines 25ft or over, use 3/8.

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Indoor Model Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid*	Piston‡	TXV
BCE3M24C****P		13.0	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
BCS2M24S++++P		14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
BCS2M24V++++P		14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
BCE3M30E****X		14.0	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	NA	A4TXV01†
E*1P23A	A80DF1E045A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24A	A80DF1E045A12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29A	A80DF1E045A12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30A	A80DF1E045A12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36A	A80DF1E045A12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A80DF1E070B12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A80DF1E070B12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A80DF1E070B12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23A	A80DF2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24A	A80DF2V070A12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29A	A80DF2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30A	A80DF2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36A	A80DF2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A80DF2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A80DF2V090B16	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A80DF2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A80DF2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A80DF2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23A	A80DS2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24A	A80DS2V070A12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29A	A80DS2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30A	A80DS2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36A	A80DS2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A80DS2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A80DS2V090B16	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A80DS2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A80DS2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A80DS2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23A	A80UH1E045A12*	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24A	A80UH1E045A12*	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29A	A80UH1E045A12*	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30A	A80UH1E045A12*	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36A	A80UH1E045A12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A80UH1E070B12*	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A80UH1E070B12*	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29A	A80UH1E070B12*	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01

‡ Required to achieve AHR1 rating. If N/A (Not Applicable) is in the piston column, then TXV is required.
† Factory installed.
* For lines 25 ft or over, use 3/8".

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Indoor Model Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid*	Piston‡	TXV
E*1P30B	A80UH1E070B12*	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A80UH1E070B12*	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23A	A80UH2V070A12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24A	A80UH2V070A12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29A	A80UH2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30A	A80UH2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36A	A80UH2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A80UH2V090B12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A80UH2V090B12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A80UH2V090B12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A80UH2V090B12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A80UH2V090B12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A80UH2V090B16	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A80UH2V090B16	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A80UH2V090B16	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A80UH2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A80UH2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23A	A80US2V070A12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24A	A80US2V070A12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29A	A80US2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30A	A80US2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36A	A80US2V070A12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A80US2V090B12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A80US2V090B12	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A80US2V090B12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A80US2V090B12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A80US2V090B12	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A80US2V090B16	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A80US2V090B16	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A80US2V090B16	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A80US2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A80US2V090B16	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A95DF2V045B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A95DF2V045B12S	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A95DF2V045B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A95DF2V045B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A95DF2V045B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A95DF2V070B16S	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A95DF2V070B16S	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A95DF2V070B16S	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01

‡ Required to achieve AHR1 rating. If N/A (Not Applicable) is in the piston column, then TXV is required.
* For lines 25 ft or over, use 3/8".

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Indoor Model Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid*	Piston‡	TXV
E*1P30B	A95DF2V070B16S	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A95DF2V070B16S	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30C	A95DF2V090C20S	13.5	11.0	22,800	16,800	770	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36C	A95DF2V090C20S	14.0	12.0	22,800	16,800	770	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30C	A95DF2V110C20S	14.0	12.0	22,800	16,800	820	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36C	A95DF2V110C20S	14.0	12.0	22,800	16,800	820	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A95UH1E070B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A95UH1E070B12S	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A95UH1E070B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A95UH1E070B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A95UH1E070B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A95UH2V045B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A95UH2V045B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A95UH2V045B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A95UH2V045B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A95UH2V045B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A95UH2V070B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A95UH2V070B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A95UH2V070B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A95UH2V070B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A95UH2V070B12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30C	A95UH2V090C12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36C	A95UH2V090C12S	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A97DSMV070B12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A97DSMV070B12*	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A97DSMV070B12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A97DSMV070B12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A97DSMV070B12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	A97USMV070B12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	A97USMV070B12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	A97USMV070B12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	A97USMV070B12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	A97USMV070B12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30C	A97USMV090C12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36C	A97USMV090C12*	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P23B	EFV08BC	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P24B	EFV08BC	13.5	11.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P29B	EFV08BC	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P30B	EFV08BC	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01
E*1P36B	EFV08BC	14.0	12.0	22,800	16,800	800	5/8	3/4	3/8	5/8	1/4	0.057	A4TXV01

‡ Required to achieve AHR1 rating. If N/A (Not Applicable) is in the piston column, then TXV is required.
* For lines 25 ft or over, use 3/8".

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Indoor Model Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston‡	TXV
BCE3M30C****P		13.0	11.0	28,000	20,400	950	3/4	7/8	3/8	3/4	3/8	0.063	A4TXV01
BCS2M36S++++P		13.5	11.0	28,000	20,400	1000	3/4	7/8	3/8	3/4	3/8	0.063	A4TXV01
BCS2M36V++++P		13.5	11.0	28,000	20,400	1000	3/4	7/8	3/8	3/4	3/8	0.063	A4TXV01
BCE3M30E****X		14.0	11.0	28,000	20,400	1000	3/4	7/8	3/8	3/4	3/8	NA	A4TXV01†
E*1P24A	A80DF1E045A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29A	A80DF1E045A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30A	A80DF1E045A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36A	A80DF1E045A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A80DF1E070B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A80DF1E070B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A80DF1E070B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A80DF1E070B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A80DF1E090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A80DF1E090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A80DF1E090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A80DF1E090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24A	A80DF2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29A	A80DF2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30A	A80DF2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36A	A80DF2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A80DF2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A80DF2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A80DF2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A80DF2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30C	A80DF2V110C20	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36C	A80DF2V110C20	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24A	A80DS2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29A	A80DS2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30A	A80DS2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36A	A80DS2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A80DS2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A80DS2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A80DS2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A80DS2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30C	A80DS2V110C20	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01

‡ Required to achieve AHR1 rating. If N/A (Not Applicable) is in the piston column, then TXV is required.
† Factory Installed.

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Indoor Model Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston‡	TXV
E*1P36C	A80DS2V110C20	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24A	A80UH1E045A12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29A	A80UH1E045A12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30A	A80UH1E045A12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36A	A80UH1E045A12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A80UH1E070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A80UH1E070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A80UH1E070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A80UH1E070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A80UH1E090B16*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29A	A80UH1E090B16*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A80UH1E090B16*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A80UH1E090B16*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24A	A80UH2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29A	A80UH2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30A	A80UH2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36A	A80UH2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A80UH2V090B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A80UH2V090B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A80UH2V090B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A80UH2V090B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A80UH2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A80UH2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A80UH2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A80UH2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30C	A80UH2V090C20	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36C	A80UH2V090C20	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24A	A80US2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29A	A80US2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30A	A80US2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36A	A80US2V070A12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A80US2V090B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A80US2V090B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A80US2V090B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A80US2V090B12	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01

‡ Required to achieve AHR1 rating. If N/A (Not Applicable) is in the piston column, then TXV is required.

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Indoor Model Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston‡	TXV
E*1P24B	A80US2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A80US2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A80US2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A80US2V090B16	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30C	A80US2V090C20	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36C	A80US2V090C20	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A95DF1E045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A95DF1E045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A95DF1E045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A95DF1E045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A95DF1E070B16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A95DF1E070B16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A95DF1E070B16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A95DF1E070B16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30C	A95DF1E090C16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36C	A95DF1E090C16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A95DF2V045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A95DF2V045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A95DF2V045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A95DF2V045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A95DF2V070B16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A95DF2V070B16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A95DF2V070B16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A95DF2V070B16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30C	A95DF2V090C20S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36C	A95DF2V090C20S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30C	A95DF2V110C20S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36C	A95DF2V110C20S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A95UH1E045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A95UH1E045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A95UH1E045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01

‡ Required to achieve AHR1 rating. If N/A (Not Applicable) is in the piston column, then TXV is requid.

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Indoor Model Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston‡	TXV
E*1P36B	A95UH1E045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A95UH1E070B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A95UH1E070B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A95UH1E070B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A95UH1E070B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30C	A95UH1E090C16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36C	A95UH1E090C16S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A95UH2V045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A95UH2V045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A95UH2V045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A95UH2V045B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A95UH2V070B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A95UH2V070B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A95UH2V070B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A95UH2V070B12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30C	A95UH2V090C12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36C	A95UH2V090C12S	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A97DSMV070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A97DSMV070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A97DSMV070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A97DSMV070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30C	A97DSMV090C16*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36C	A97DSMV090C16*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	A97USMV070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	A97USMV070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	A97USMV070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	A97USMV070B12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30C	A97USMV090C12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36C	A97USMV090C12*	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P24B	EFV12BC	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P29B	EFV12BC	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P30B	EFV12BC	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01
E*1P36B	EFV12BC	13.5	11.0	28,000	20,400	1000	3/4	3/4	3/8	3/4	3/8	0.063	A4TXV01

‡ Required to achieve AHR1 rating. If N/A (Not Applicable) is in the piston column, then TXV is required.

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Indoor Model / Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston‡	TXV
BCE3M36C****P		13.0	10.5	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
BCS2M36S++++P		13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
BCS2M36V++++P		13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
BCE3M36E****X		14.0	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	NA	A4TXV01†
E*1P36B	A80DF1E090B16	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43B	A80DF1E090B16	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A80DF1E110C20	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A80DF1E110C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A80DF1E110C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P43B	A80DF2V090B16	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A80DF2V110C20	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A80DF2V110C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A80DF2V110C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P43B	A80DS2V090B16	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A80DS2V110C20	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A80DS2V110C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A80DS2V110C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36B	A80UH1E090B16*	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43B	A80UH1E090B16*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A80UH1E090C20*	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A80UH1E090C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A80UH1E090C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A80UH1E110C20*	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A80UH1E110C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A80UH1E110C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A80UH2V090C20	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A80UH2V090C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A80UH2V090C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A80UH2V110C20	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A80UH2V110C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A80UH2V110C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A80US2V090C20	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A80US2V090C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A80US2V090C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A80US2V110C20	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A80US2V110C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A80US2V110C20	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A95DF1E090C16S	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A95DF1E090C16S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A95DF1E090C16S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A95DF1E110C20S	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A95DF1E110C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A95DF1E110C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A95DF2V090C20S	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A95DF2V090C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A95DF2V090C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A95DF2V110C20S	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01

‡ Required to achieve AHR1 rating. If N/A (Not Applicable) is in the piston column, then TXV is required.
† Factory installed.

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Indoor Model Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston‡	TXV
E*1P43C	A95DF2V110C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A95DF2V110C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A95UH1E090C16S	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A95UH1E090C16S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A95UH1E090C16S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A95UH1E110C20S	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A95UH1E110C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A95UH1E110C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A95UH2V090C12S	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A95UH2V090C12S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A95UH2V090C12S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A95UH2V090C16S	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A95UH2V090C16S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A95UH2V090C16S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A95UH2V090C20S	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A95UH2V090C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A95UH2V090C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A95UH2V110C16S	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A95UH2V110C16S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A95UH2V110C16S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A95UH2V110C20S	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A95UH2V110C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	A95UH2V110C20S	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A97DSMV090C16*	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A97DSMV090C16*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C	A97DSMV090C16*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A97DSMV090C20*	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A97DSMV090C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C	A97DSMV090C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A97DSMV110C20*	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A97DSMV110C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C	A97DSMV110C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A97USMV090C12*	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A97USMV090C12*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C	A97USMV090C12*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A97USMV090C16*	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A97USMV090C16*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C	A97USMV090C16*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A97USMV090C20*	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A97USMV090C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C	A97USMV090C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36C	A97USMV110C20*	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43C	A97USMV110C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C	A97USMV110C20*	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P36B	EFV12BC	13.5	11.0	34,000	25,000	1200	3/4	3/4	3/8	3/44	3/8	0.072	A4TXV01
E*1P43B	EFV12BC	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01
E*1P50C+TDR	EFV16CC	13.5	11.0	34,000	25,000	1200	3/4	7/8	3/8	3/44	3/8	0.072	A4TXV01

‡ Required to achieve AHR rating. If N/A (Not Applicable) is in the piston coumn, then TXV is required.

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Indoor Model Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston‡	TXV
BCE3M42C****P		13.0	10.5	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
BCS2M42S++++P		13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
BCS2M42V++++P		13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
BCE3M42E****X		14.0	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	NA	A4TXV01†
E*1P43C+TDR	A80DF1E110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C	A80DF1E110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A80DF1E110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A80DF1E110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A80DF2V110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A80DF2V110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A80DF2V110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A80DS2V110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A80DS2V110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A80DS2V110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A80UH1E090C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A80UH1E090C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A80UH1E090C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A80UH1E110C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A80UH1E110C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A80UH1E110C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A80UH2V090C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A80UH2V090C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A80UH2V090C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A80UH2V110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A80UH2V110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A80US2V090C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A80US2V090C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A80US2V090C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A80US2V110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A80US2V110C20	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A95DF1E110C20S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A95DF1E110C20S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A95DF1E110C20S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A95UH1E110C20S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A95UH1E110C20S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A95UH2V090C16S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A95UH2V090C16S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A95UH2V090C16S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A95UH2V090C20S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A95UH2V090C20S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A95UH2V090C20S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A95UH2V110C16S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A95UH2V110C16S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A95UH2V110C16S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P43C+TDR	A95UH2V110C20S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P49C+TDR	A95UH2V110C20S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01
E*1P50C+TDR	A95UH2V110C20S	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/44	3/8	0.075	A4TXV01

‡ Required to achieve AHR1 rating. If N/A (Not Applicable) is in the piston column, then TXV is required.
† Factory installed.

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Indoor Model Evaporator Coil or Air Handler	Variable Speed Furnace	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
							Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston‡	TXV
E*1P43C	A97DSMV090C16*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P49C	A97DSMV090C16*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P43C	A97DSMV090C20*	13.5	11.0	40,000	29,200	1420	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P43C	A97DSMV110C20*	13.5	11.0	40,000	29,200	1420	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P49C	A97DSMV110C20*	13.5	11.0	40,000	29,200	1420	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P43C	A97USMV090C16*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P49C	A97USMV090C16*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P50C	A97USMV090C16*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P43C	A97USMV090C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P49C	A97USMV090C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P50C	A97USMV090C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P43C	A97USMV110C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P49C	A97USMV110C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01
E*1P50C	A97USMV110C20*	13.5	11.0	40,000	29,200	1400	3/4	7/8	3/8	3/4	3/8	0.075	A4TXV01

4SCU13LE148-5

Indoor Model Evaporator Coil or Air Handler	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
						Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston‡	TXV
BCE3M48C****P	13.0	11.0	47,000	34,300	1600	7/8	7/8	3/8	7/8	3/8	0.082	A4TXV02
BCS2M48S++++P	13.5	11.0	47,000	34,300	1600	7/8	7/8	3/8	7/8	3/8	0.082	A4TXV02
BCS2M48V++++P	13.5	11.0	47,000	34,300	1600	7/8	7/8	3/8	7/8	3/8	0.082	A4TXV02
BCE3M48E****X	14.0	11.0	47,000	34,300	1600	7/8	7/8	3/8	7/8	3/8	NA	A4TXV02†

4SCU13LE160-5

Indoor Model Evaporator Coil or Air Handler	SEER	EER	Rated ARI Capacity BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
						Outdoor Suction	Indoor Suction	Liquid	Suction	Liquid	Piston‡	TXV
BCE3M60C****P	13.0	11.0	56,000	41,000	1800	7/8	7/8	3/8	7/8[5]	3/8	0.09	A4TXV02
BCS2M60S++++P	13.5	11.0	57,000	41,000	1800	7/8	7/8	3/8	7/8[5]	3/8	0.09	A4TXV02
BCS2M60V++++P	13.5	11.0	57,000	41,000	1800	7/8	7/8	3/8	7/8[5]	3/8	0.09	A4TXV02
BCE3M60E****X	13.5	11.0	56,000	41,000	1800	7/8	7/8	3/8	7/8[5]	3/8	NA	A4TXV02†

‡ Required to achieve AHR1 rating. If N/A (Not Applicable) is in the piston column, then TXV is required.
† Factory installed.

4SCU13LB Condensing Units

13 SEER, R-410A, 1-Phase



Compressor
- High efficiency scroll compressor.
- R-410A refrigerant.
- Grommet mounted compressor for quiet operation.
- Internally protected against high temperature motor overload conditions.

Cabinet
- Full metal louvered jacket coil guard protection.
- Controls located in corner post for easy installation and service.
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability.
- External guage ports for easy service
- Stamped, one-peice top

Coils
- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components
- Filter drier shipped loose for installation flexibility
- Indoor coil orifice shipped with outdoor unit for optimum efficiency and capacity
- Charged for 15 feet of line set
- High pressure switch

Warranty
- 10 year limited warranty on compressor*
- 10-year limited warranty on all parts*

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Condensing Units

Prices Available on Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
25-3/4 x 24-3/4 x 26-3/4	1	EA	84670	4SCU13LB118P-3 13 SEER 208/230V 1PH R-410A CONDENSER
25-3/4 x 24-3/4 x 26-3/4	1	EA	84671	4SCU13LB124P-3 13 SEER 208/230V 1PH R-410A CONDENSER
29-3/4 x 24-3/4 x 26-3/4	1	EA	84672	4SCU13LB130P-3 13 SEER 208/230V 1PH R-410A CONDENSER
29-3/4 x 24-3/4 x 26-3/4	1	EA	84673	4SCU13LB136P-3 13 SEER 208/230V 1PH R-410A CONDENSER
29-3/4 x 29-3/8 x 31-1/4	1	EA	84674	4SCU13LB142P-3 13 SEER 208/230V 1PH R-410A CONDENSER
33-3/4 x 29-3/8 x 31-1/4	1	EA	84675	4SCU13LB148P-3 13 SEER 208/230V 1PH R-410A CONDENSER
29-3/4 x 29-3/8 x 31-1/4	1	EA	84676	4SCU13LB160P-3 13 SEER 208/230V 1PH R-410A CONDENSER

Accessories

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4SCU13LB 18 thru 60	1	EA	61692	34M72 LOW AMBIENT KIT
4SCU13LB 18 thru 60	1	EA	86229	47J27 LB-50709BK OFF CONTROL-TIMED
3/8" Tubing	1	EA	86920	93G35 FREEZE THERMOSTAT
4SCU13LB 18, 24, 30, 36, 42	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4SCU13LB 48, 60	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE

4SCU13LB Condensing Unit Performance Ratings

4SCU13LB-118-3

Indoor Model		SEER	EER	Rated ARI Capacity (BTUH)	Rated Sensible Capacity BTUH	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace					
BCE3M18C****P		13.00	11.00	17600	12800	650
BCE3M24E****X		14.00	11.00	17600	12800	650
BCS2M24S++++P		14.00	12.00	17600	12800	650
BCS2M24V++++P		14.00	12.00	17600	12800	650
E*1P23A	A80DF2V070A12	14.00	12.00	17600	12800	650
E*1P23A	A80UH1E045A12*	14.00	12.00	17600	12800	650
E*1P23A	A80DF1E045A12	13.50	11.00	17600	12800	650
E*1P23A	A80DS2V070A12	14.00	12.00	17600	12800	650
E*1P23A	A80US2V070A12	14.00	12.00	17600	12800	650
E*1P23B	A80US2V090B12	14.00	12.00	17600	12800	650
E*1P23B	A80US2V090B16	14.00	12.00	17600	12800	650
E*1P23B	A80DF1E070B12	14.00	12.00	17600	12800	650
E*1P23B	A80UH1E070B12*	14.00	12.00	17600	12800	650
E*1P23B	A95DF1E045B12S	13.50	11.00	17600	12800	650
E*1P23B	A95DF2V045B12S	14.00	12.00	17600	12800	650
E*1P23B	A95UH1E045B12S	13.50	11.00	17600	12800	650
E*1P23B	A95UH1E070B12S	14.00	12.00	17600	12800	650
E*1P23B	A95UH2V045B12S	14.00	12.00	17600	12800	650
E*1P23B	A95UH2V070B12S	14.00	12.00	17600	12800	650
E*1P23B	EFV08BC	14.00	12.00	17600	12800	650
E*1P23B	A97DSMV070B12*	14.00	12.00	17600	12800	650
E*1P23B	A97USMV070B12*	14.00	12.00	17600	12800	650
E*1P23B	L85B*1V67/87E14	14.00	12.00	17600	12800	650
E*1P23B	L85UF1V67/87E14	14.00	12.00	17600	12800	650
E*1P23B	A95DF2E045B12S	14.00	12.00	17600	12800	650
E*1P23B	A95DF2E070B16S	13.50	11.50	17600	12800	650
E*1P23B	A95UH2E045B12S	14.00	12.00	17600	12800	650
E*1P23B	A95UH2E070B12S	14.00	12.00	17600	12800	650
E*1P24A	A80DF1E045A12	14.00	12.00	17600	12800	650
E*1P24A	A80DF2V070A12	14.00	12.00	17600	12800	650
E*1P24A	A80UH1E045A12*	14.00	12.00	17600	12800	650
E*1P24A	A80DS2V070A12	14.00	12.00	17600	12800	650
E*1P24A	A80US2V070A12	14.00	12.00	17600	12800	650
E*1P24B	A80US2V090B12	14.00	12.00	17600	12800	650
E*1P24B	A80US2V090B16	14.00	12.00	17600	12800	650
E*1P24B	A80UH1E070B12*	14.00	12.00	17600	12800	650
E*1P24B	A95DF1E045B12S	13.50	11.00	17600	12800	650
E*1P24B	A95DF2V045B12S	14.00	12.00	17600	12800	650

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4SCU13LB118-3 Continued

Indoor Model		SEER	EER	Rated	Rated	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace			ARI Capacity (BTUH)	Sensible Capacity BTUH	
E*1P24B	A80DF1E070B12	14.00	12.00	17600	12800	650
E*1P24B	EFV08BC	14.00	12.00	17600	12800	650
E*1P24B	A97DSMV070B12*	14.00	12.00	17600	12800	650
E*1P24B	A97USMV070B12*	14.00	12.00	17600	12800	650
E*1P24B	A95UH1E045B12S	13.50	11.00	17600	12800	650
E*1P24B	A95UH1E070B12S	14.00	12.00	17600	12800	650
E*1P24B	A95UH2V045B12S	14.00	12.00	17600	12800	650
E*1P24B	A95UH2V070B12S	14.00	12.00	17600	12800	650
E*1P24B	A95DF2E045B12S	14.00	12.00	17600	12800	650
E*1P24B	A95DF2E070B16S	13.50	11.00	17600	12800	650
E*1P24B	A95UH2E045B12S	14.00	12.00	17600	12800	650
E*1P24B	A95UH2E070B12S	13.50	11.00	17600	12800	650
E*1P24B	L85B*1V67/87E14	13.50	11.00	17600	12800	650
E*1P24B	L85UF1V67/87E14	13.50	11.00	17600	12800	650
E*1P29A	A80DF1E045A12	14.00	12.00	17600	12800	650
E*1P29A	A80DF2V070A12	14.00	12.00	17600	12800	650
E*1P29A	A80UH1E045A12*	14.00	12.00	17600	12800	650
E*1P29A	A80DS2V070A12	14.00	12.00	17600	12800	650
E*1P29A	A80US2V070A12	14.00	12.00	17600	12800	650
E*1P29B	A80US2V090B12	14.00	12.00	17600	12800	650
E*1P29B	A80US2V090B16	14.00	12.00	17600	12800	650
E*1P29B	A80UH1E070B12*	14.00	12.00	17600	12800	650
E*1P29B	A95DF1E045B12S	13.50	11.00	17600	12800	650
E*1P29B	A95DF2V045B12S	14.00	12.00	17600	12800	650
E*1P29B	A95UH1E045B12S	14.00	12.00	17600	12800	650
E*1P29B	A95UH1E070B12S	14.00	12.00	17600	12800	650
E*1P29B	A95UH2V045B12S	14.00	12.00	17600	12800	650
E*1P29B	A95UH2V070B12S	14.00	12.00	17600	12800	650
E*1P29B	A80DF1E070B12	14.00	12.00	17600	12800	650
E*1P29B	EFV08BC	14.00	12.00	17600	12800	650
E*1P29B	A97DSMV070B12*	14.00	12.00	17600	12800	650
E*1P29B	A97USMV070B12*	14.00	12.00	17600	12800	650
E*1P29B	L85B*1V67/87E14	14.00	12.00	17600	12800	650
E*1P29B	L85UF1V67/87E14	14.00	12.00	17600	12800	650
E*1P29B	A95DF2E045B12S	14.00	12.00	17600	12800	650
E*1P29B	A95DF2E070B16S	14.00	12.00	17600	12800	650
E*1P29B	A95UH2E045B12S	14.00	12.00	17600	12800	650
E*1P29B	A95UH2E070B12S	14.00	12.00	17600	12800	650

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4SCU13LB124-3

Indoor Model		SEER	EER	Rated ARI Capacity (BTUH)	Rated Sensible Capacity BTUH	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace					
BCE3M24C****P		13.00	11.00	22800	16800	800
BCE3M30E****X		14.00	11.00	22800	16800	800
BCS2M24S++++P		14.00	12.00	22800	16800	800
BCS2M24V++++P		14.00	12.00	22800	16800	800
E*1P23A	A80DF1E045A12	14.00	12.00	22800	16800	800
E*1P23A	A80DF2V070A12	14.00	12.00	22800	16800	800
E*1P23A	A80UH1E045A12*	13.50	11.00	22800	16800	800
E*1P23A	A80DS2V070A12	14.00	12.00	22800	16800	800
E*1P23A	A80US2V070A12	13.50	11.00	22800	16800	800
E*1P23B	A80DS2V090B16	14.00	12.00	22800	16800	800
E*1P23B	A80US2V090B12	13.50	11.00	22800	16800	800
E*1P23B	A80US2V090B16	13.50	11.00	22800	16800	800
E*1P23B	A80UH1E070B12*	13.50	11.00	22800	16800	800
E*1P23B	A95DF2V045B12S	14.00	12.00	22800	16800	800
E*1P23B	A95DF2V070B16S	13.50	11.00	22800	16800	800
E*1P23B	A95UH1E070B12S	14.00	12.00	22800	16800	800
E*1P23B	A95UH2V045B12S	14.00	12.00	22800	16800	800
E*1P23B	A95UH2V070B12S	14.00	12.00	22800	16800	800
E*1P23B	A80DF2V090B16	14.00	12.00	22800	16800	800
E*1P23B	EFV08BC	14.00	12.00	22800	16800	800
E*1P23B	A97DSMV070B12*	14.00	12.00	22800	16800	800
E*1P23B	A97USMV070B12*	14.00	12.00	22800	16800	800
E*1P23B	L85B*1V67/87E14	13.50	11.00	22800	16800	800
E*1P23B	L85UF1V67/87E14	13.50	11.00	22800	16800	800
E*1P23B	A95DF2E045B12S	14.00	12.00	22800	16800	800
E*1P23B	A95DF2E070B16S	14.00	12.00	22800	16800	800
E*1P23B	A95UH2E045B12S	14.00	12.00	22800	16800	800
E*1P23B	A95UH2E070B12S	14.00	12.00	22800	16800	800
E*1P24A	A80UH1E045A12*	13.50	11.00	22800	16800	800
E*1P24A	A80DF1E045A12	13.50	11.00	22800	16800	800
E*1P24A	A80DF2V070A12	13.50	11.00	22800	16800	800
E*1P24A	A80DS2V070A12	13.50	11.00	22800	16800	800
E*1P24A	A80US2V070A12	13.50	11.00	22800	16800	800
E*1P24B	A80US2V090B16	13.50	11.00	22800	16800	800
E*1P24B	A80DS2V090B16	13.50	11.00	22800	16800	800
E*1P24B	A80US2V090B12	13.50	11.00	22800	16800	800
E*1P24B	A80DF2V090B16	13.50	11.00	22800	16800	800
E*1P24B	EFV08BC	13.50	11.00	22800	16800	800
E*1P24B	A80UH1E070B12*	13.50	11.00	22800	16800	800
E*1P24B	A95DF2V045B12S	13.50	11.00	22800	16800	800
E*1P24B	A95DF2V070B16S	13.50	11.00	22800	16800	800
E*1P24B	A95UH1E070B12S	13.50	11.00	22800	16800	800
E*1P24B	A95UH2V045B12S	14.00	12.00	22800	16800	800
E*1P24B	A95UH2V070B12S	14.00	12.00	22800	16800	800
E*1P24B	A97DSMV070B12*	13.50	11.00	22800	16800	800

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4SCU13LB124-3 Continued

Indoor Model		SEER	EER	Rated	Rated	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace			ARI Capacity (BTUH)	Sensible Capacity BTUH	
E*1P24B	A97USMV070B12*	14.00	12.00	22800	16800	800
E*1P24B	A95DF2E070B16S	13.50	11.00	22800	16800	800
E*1P24B	A95UH2E070B12S	13.50	11.00	22800	16800	800
E*1P24B	L85B*1V67/87E14	13.50	11.00	22800	16800	800
E*1P24B	L85UF1V67/87E14	13.50	11.00	22800	16800	800
E*1P29A	A80UH1E045A12*	13.50	11.00	22800	16800	800
E*1P29A	A80UH1E070B12*	14.00	12.00	22800	16800	800
E*1P29A	A80DF1E045A12	14.00	12.00	22800	16800	800
E*1P29A	A80DF2V070A12	14.00	12.00	22800	16800	800
E*1P29A	A80DS2V070A12	14.00	12.00	22800	16800	800
E*1P29A	A80US2V070A12	14.00	12.00	22800	16800	800
E*1P29B	A80DS2V090B16	13.50	11.00	22800	16800	800
E*1P29B	A80US2V090B12	14.00	12.00	22800	16800	800
E*1P29B	A80US2V090B16	13.50	11.00	22800	16800	800
E*1P29B	A80DF2V090B16	14.00	12.00	22800	16800	800
E*1P29B	A80DF1E070B12	13.50	11.00	22800	16800	800
E*1P29B	A95DF2V045B12S	14.00	12.00	22800	16800	800
E*1P29B	A95DF2V070B16S	14.00	12.00	22800	16800	800
E*1P29B	A95UH1E070B12S	14.00	12.00	22800	16800	800
E*1P29B	A95UH2V045B12S	14.00	12.00	22800	16800	800
E*1P29B	A95UH2V070B12S	14.00	12.00	22800	16800	800
E*1P29B	EFV08BC	14.00	12.00	22800	16800	800
E*1P29B	A97DSMV070B12*	13.50	11.00	22800	16800	800
E*1P29B	A97USMV070B12*	13.50	11.00	22800	16800	800
E*1P29B	L85B*1V67/87E14	14.00	12.00	22800	16800	800
E*1P29B	L85UF1V67/87E14	14.00	12.00	22800	16800	800
E*1P29B	A95DF2E045B12S	14.00	12.00	22800	16800	800
E*1P29B	A95DF2E070B16S	14.00	12.00	22800	16800	800
E*1P29B	A95UH2E045B12S	13.50	11.00	22800	16800	800
E*1P29B	A95UH2E070B12S	14.00	12.00	22800	16800	800
E*1P30A	A80DF1E045A12	13.50	11.00	22800	16800	800
E*1P30A	A80DF2V070A12	14.00	12.00	22800	16800	800
E*1P30A	A80UH1E045A12*	14.00	12.00	22800	16800	800
E*1P30A	A80DS2V070A12	14.00	12.00	22800	16800	800
E*1P30A	A80US2V070A12	14.00	12.00	22800	16800	800
E*1P30B	A80DS2V090B16	14.00	12.00	22800	16800	800
E*1P30B	A80US2V090B12	13.50	11.00	22800	16800	800
E*1P30B	A80US2V090B16	14.00	12.00	22800	16800	800
E*1P30B	A80UH1E070B12*	13.50	11.00	22800	16800	800
E*1P30B	A95DF2V045B12S	14.00	12.00	22800	16800	800
E*1P30B	A95DF2V070B16S	14.00	12.00	22800	16800	800
E*1P30B	A95UH1E070B12S	14.00	12.00	22800	16800	800
E*1P30B	A95UH2V045B12S	14.00	12.00	22800	16800	800

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Indoor Model		SEER	EER	Rated	Rated	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace			ARI Capacity (BTUH)	Sensible Capacity BTUH	
E*1P30B	A95UH2V070B12S	14.00	12.00	22800	16800	800
E*1P30B	A80DF2V090B16	14.00	12.00	22800	16800	800
E*1P30B	A80DF1E070B12	13.50	11.00	22800	16800	800
E*1P30B	EFV08BC	14.00	12.00	22800	16800	800
E*1P30B	A97DSMV070B12*	14.00	12.00	22800	16800	800
E*1P30B	A97USMV070B12*	14.00	12.00	22800	16800	800
E*1P30B	L85B*1V67/87E14	13.50	11.00	22800	16800	800
E*1P30B	L85UF1V67/87E14	13.50	11.00	22800	16800	800
E*1P30B	A95DF2E045B12S	14.00	12.00	22800	16800	800
E*1P30B	A95DF2E070B16S	14.00	12.00	22800	16800	800
E*1P30B	A95UH2E045B12S	14.00	12.00	22800	16800	800
E*1P30B	A95UH2E070B12S	14.00	12.00	22800	16800	800
E*1P30C	A97USMV090C12*	14.00	12.00	22800	16800	800
E*1P30C	A95UH2V090C12S	14.00	12.00	22800	16800	800
E*1P30C	A95DF2V090C20S	13.50	11.00	22800	16800	800
E*1P30C	A95DF2V110C20S	14.00	12.00	22800	16800	800
E*1P36A	A80DF1E045A12	13.50	11.00	22800	16800	800
E*1P36A	A80UH1E045A12*	14.00	12.00	22800	16800	800
E*1P36A	A80DF2V070A12	14.00	12.00	22800	16800	800
E*1P36A	A80US2V070A12	14.00	12.00	22800	16800	800
E*1P36A	A80DS2V070A12	14.00	12.00	22800	16800	800
E*1P36B	A80DS2V090B16	14.00	12.00	22800	16800	800
E*1P36B	A80US2V090B12	14.00	12.00	22800	16800	800
E*1P36B	A80US2V090B16	14.00	12.00	22800	16800	800
E*1P36B	A97DSMV070B12*	14.00	12.00	22800	16800	800
E*1P36B	A97USMV070B12*	14.00	12.00	22800	16800	800
E*1P36B	A80DF2V090B16	14.00	12.00	22800	16800	800
E*1P36B	A80UH1E070B12*	13.50	11.00	22800	16800	800
E*1P36B	A95DF2V045B12S	14.00	12.00	22800	16800	800
E*1P36B	A95DF2V070B16S	13.50	11.00	22800	16800	800
E*1P36B	A95UH1E070B12S	14.00	12.00	22800	16800	800
E*1P36B	A95UH2V045B12S	14.00	12.00	22800	16800	800
E*1P36B	A95UH2V070B12S	14.00	12.00	22800	16800	800
E*1P36B	A80DF1E070B12	13.50	11.00	22800	16800	800
E*1P36B	EFV08BC	14.00	12.00	22800	16800	800
E*1P36B	L85B*1V67/87E14	13.50	11.00	22800	16800	800
E*1P36B	L85UF1V67/87E14	13.50	11.00	22800	16800	800
E*1P36B	A95DF2E045B12S	14.00	12.00	22800	16800	800
E*1P36B	A95DF2E070B16S	14.00	12.00	22800	16800	800
E*1P36B	A95UH2E045B12S	14.00	12.00	22800	16800	800
E*1P36B	A95UH2E070B12S	14.00	12.00	22800	16800	800
E*1P36C	A95UH2V090C12S	14.00	12.00	22800	16800	800
E*1P36C	A95DF2V090C20S	14.00	12.00	22800	16800	800
E*1P36C	A95DF2V110C20S	14.00	12.00	22800	16800	800
E*1P36C	A97USMV090C12*	14.00	12.00	22800	16800	800

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Indoor Model		SEER	EER	Rated ARI Capacity (BTUH)	Rated Sensible Capacity BTUH	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace					
BCE3M30C****P		13.00	11.00	28000	20400	950
BCE3M30E****X		14.00	11.00	28000	20400	1000
BCS2M36S++++P		13.50	11.00	28000	20400	1000
BCS2M36V++++P		13.50	11.00	28000	20400	1000
E*1P23B	L85B*1V67/87E14	13.50	11.00	28000	20400	1000
E*1P23B	L85UF1V67/87E14	13.50	11.00	28000	20400	1000
E*1P23B	A95DF2E045B12S	13.50	11.00	28000	20400	1000
E*1P23B	A95DF2E070B16S	13.50	11.00	28000	20400	1000
E*1P23B	A95UH2E045B12S	13.50	11.00	28000	20400	1000
E*1P23B	A95UH2E070B12S	13.50	11.00	28000	20400	1000
E*1P24A	A80UH1E045A12*	13.50	11.00	28000	20400	1000
E*1P24A	A80DF1E045A12	13.50	11.00	28000	20400	1000
E*1P24A	A80DF2V070A12	13.50	11.00	28000	20400	1000
E*1P24A	A80DS2V070A12	13.50	11.00	28000	20400	1000
E*1P24A	A80US2V070A12	13.50	11.00	28000	20400	1000
E*1P24B	A80DS2V090B16	13.50	11.00	28000	20400	1000
E*1P24B	A80US2V090B12	13.50	11.00	28000	20400	1000
E*1P24B	A80US2V090B16	13.50	11.00	28000	20400	1000
E*1P24B	A97DSMV070B12*	13.50	11.00	28000	20400	1000
E*1P24B	A97USMV070B12*	13.50	11.00	28000	20400	1000
E*1P24B	A80DF2V090B16	13.50	11.00	28000	20400	1000
E*1P24B	A80DF1E070B12	13.50	11.00	28000	20400	1000
E*1P24B	A80DF1E090B16	13.50	11.00	28000	20400	1000
E*1P24B	A80UH1E070B12*	13.50	11.00	28000	20400	1000
E*1P24B	A80UH1E090B16*	13.50	11.00	28000	20400	1000
E*1P24B	A95DF1E045B12S	13.50	11.00	28000	20400	1000
E*1P24B	A95DF1E070B16S	13.50	11.00	28000	20400	1000
E*1P24B	A95DF2V045B12S	13.50	11.00	28000	20400	1000
E*1P24B	A95DF2V070B16S	13.50	11.00	28000	20400	1000
E*1P24B	A95UH1E045B12S	13.50	11.00	28000	20400	1000
E*1P24B	A95UH1E070B12S	13.50	11.00	28000	20400	1000
E*1P24B	A95UH2V045B12S	13.50	11.00	28000	20400	1000
E*1P24B	A95UH2V070B12S	13.50	11.00	28000	20400	1000
E*1P24B	EFV12BC	13.50	11.00	28000	20400	1000
E*1P24B	A95DF2E045B12S	13.50	11.00	28000	20400	1000
E*1P24B	A95DF2E070B16S	13.50	11.00	28000	20400	1000
E*1P24B	A95UH2E045B12S	13.50	11.00	28000	20400	1000
E*1P24B	A95UH2E070B12S	13.50	11.00	28000	20400	1000
E*1P24B	L85B*1V67/87E14	13.50	11.00	28000	20400	1000
E*1P24B	L85UF1V67/87E14	13.50	11.00	28000	20400	1000
E*1P29A	A80DF1E045A12	13.50	11.00	28000	20400	1000
E*1P29A	A80UH1E090B16*	13.50	11.00	28000	20400	1000
E*1P29A	A80DS2V070A12	13.50	11.00	28000	20400	1000
E*1P29A	A80US2V070A12	13.50	11.00	28000	20400	1000
E*1P29A	A80DF2V070A12	13.50	11.00	28000	20400	1000
E*1P29A	A80UH1E045A12*	13.50	11.00	28000	20400	1000
E*1P29B	A80UH1E070B12*	13.50	11.00	28000	20400	1000
E*1P29B	A80DF2V090B16	13.50	11.00	28000	20400	1000
E*1P29B	A80DS2V090B16	13.50	11.00	28000	20400	1000
E*1P29B	A80US2V090B12	13.50	11.00	28000	20400	1000

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4SCU13LB130-3 Continued

Indoor Model		SEER	EER	Rated ARI Capacity (BTUH)	Rated Sensible Capacity BTUH	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace					
E*1P29B	A80US2V090B16	13.50	11.00	28000	20400	1000
E*1P29B	A97DSMV070B12*	13.50	11.00	28000	20400	1000
E*1P29B	A97USMV070B12*	13.50	11.00	28000	20400	1000
E*1P29B	A95DF1E045B12S	13.50	11.00	28000	20400	1000
E*1P29B	A95DF1E070B16S	13.50	11.00	28000	20400	1000
E*1P29B	A95DF2V045B12S	13.50	11.00	28000	20400	1000
E*1P29B	A95DF2V070B16S	13.50	11.00	28000	20400	1000
E*1P29B	A95UH1E045B12S	13.50	11.00	28000	20400	1000
E*1P29B	A95UH1E070B12S	13.50	11.00	28000	20400	1000
E*1P29B	A95UH2V045B12S	13.50	11.00	28000	20400	1000
E*1P29B	A95UH2V070B12S	13.50	11.00	28000	20400	1000
E*1P29B	A80DF1E070B12	13.50	11.00	28000	20400	1000
E*1P29B	A80DF1E090B16	13.50	11.00	28000	20400	1000
E*1P29B	EFV12BC	13.50	11.00	28000	20400	1000
E*1P29B	L85B*1V67/87E14	13.50	11.00	28000	20400	1000
E*1P29B	L85UF1V67/87E14	13.50	11.00	28000	20400	1000
E*1P29B	A95DF2E045B12S	13.50	11.00	28000	20400	1000
E*1P29B	A95DF2E070B16S	13.50	11.00	28000	20400	1000
E*1P29B	A95UH2E045B12S	13.50	11.00	28000	20400	1000
E*1P29B	A95UH2E070B12S	13.50	11.00	28000	20400	1000
E*1P30A	A80DS2V070A12	13.50	11.00	28000	20400	1000
E*1P30A	A80US2V070A12	13.50	11.00	28000	20400	1000
E*1P30A	A80DF1E045A12	13.50	11.00	28000	20400	1000
E*1P30A	A80DF2V070A12	13.50	11.00	28000	20400	1000
E*1P30A	A80UH1E045A12*	13.50	11.00	28000	20400	1000
E*1P30B	A80UH1E070B12*	13.50	11.00	28000	20400	1000
E*1P30B	A80UH1E090B16*	13.50	11.00	28000	20400	1000
E*1P30B	A95DF1E045B12S	13.50	11.00	28000	20400	1000
E*1P30B	A95DF1E070B16S	13.50	11.00	28000	20400	1000
E*1P30B	A95DF2V045B12S	13.50	11.00	28000	20400	1000
E*1P30B	A95DF2V070B16S	13.50	11.00	28000	20400	1000
E*1P30B	A80DF2V090B16	13.50	11.00	28000	20400	1000
E*1P30B	A80DF1E070B12	13.50	11.00	28000	20400	1000
E*1P30B	A80DF1E090B16	13.50	11.00	28000	20400	1000
E*1P30B	A95UH2V045B12S	13.50	11.00	28000	20400	1000
E*1P30B	A95UH2V070B12S	13.50	11.00	28000	20400	1000
E*1P30B	A95UH1E045B12S	13.50	11.00	28000	20400	1000
E*1P30B	A95UH1E070B12S	13.50	11.00	28000	20400	1000
E*1P30B	A80DS2V090B16	13.50	11.00	28000	20400	1000
E*1P30B	A80US2V090B12	13.50	11.00	28000	20400	1000
E*1P30B	A80US2V090B16	13.50	11.00	28000	20400	1000
E*1P30B	A97DSMV070B12*	13.50	11.00	28000	20400	1000
E*1P30B	A97USMV070B12*	13.50	11.00	28000	20400	1000
E*1P30B	EFV12BC	13.50	11.00	28000	20400	1000
E*1P30B	L85B*1V67/87E14	13.50	11.00	28000	20400	1000
E*1P30B	L85UF1V67/87E14	13.50	11.00	28000	20400	1000
E*1P30B	A95DF2E045B12S	13.50	11.00	28000	20400	1000
E*1P30B	A95DF2E070B16S	13.50	11.00	28000	20400	1000
E*1P30B	A95UH2E045B12S	13.50	11.00	28000	20400	1000
E*1P30B	A95UH2E070B12S	13.50	11.00	28000	20400	1000

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4SCU13LB130-3 Continued

Indoor Model		SEER	EER	Rated ARI Capacity (BTUH)	Rated Sensible Capacity BTUH	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace					
E*1P30C	A97DSMV090C16*	13.50	11.00	28000	20400	1000
E*1P30C	A97USMV090C12*	13.50	11.00	28000	20400	1000
E*1P30C	A80DS2V110C20	13.50	11.00	28000	20400	1000
E*1P30C	A80US2V090C20	13.50	11.00	28000	20400	1000
E*1P30C	A95UH1E090C16S	13.50	11.00	28000	20400	1000
E*1P30C	A95UH2V090C12S	13.50	11.00	28000	20400	1000
E*1P30C	A80DF2V110C20	13.50	11.00	28000	20400	1000
E*1P30C	A95DF2V090C20S	13.50	11.00	28000	20400	1000
E*1P30C	A95DF2V110C20S	13.50	11.00	28000	20400	1000
E*1P30C	A95DF1E090C16S	13.50	11.00	28000	20400	1000
E*1P36A	A80DF1E045A12	13.50	11.00	28000	20400	1000
E*1P36A	A80UH1E045A12*	13.50	11.00	28000	20400	1000
E*1P36A	A80DF2V070A12	13.50	11.00	28000	20400	1000
E*1P36A	A80DS2V070A12	13.50	11.00	28000	20400	1000
E*1P36A	A80US2V070A12	13.50	11.00	28000	20400	1000
E*1P36B	A80DS2V090B16	13.50	11.00	28000	20400	1000
E*1P36B	A80US2V090B12	13.50	11.00	28000	20400	1000
E*1P36B	A80US2V090B16	13.50	11.00	28000	20400	1000
E*1P36B	A97DSMV070B12*	13.50	11.00	28000	20400	1000
E*1P36B	A97USMV070B12*	13.50	11.00	28000	20400	1000
E*1P36B	A80DF2V090B16	13.50	11.00	28000	20400	1000
E*1P36B	A95UH1E045B12S	13.50	11.00	28000	20400	1000
E*1P36B	A95UH1E070B12S	13.50	11.00	28000	20400	1000
E*1P36B	A95UH2V045B12S	13.50	11.00	28000	20400	1000
E*1P36B	A95UH2V070B12S	13.50	11.00	28000	20400	1000
E*1P36B	A80UH1E070B12*	13.50	11.00	28000	20400	1000
E*1P36B	A80UH1E090B16*	13.50	11.00	28000	20400	1000
E*1P36B	A95DF1E045B12S	13.50	11.00	28000	20400	1000
E*1P36B	A95DF1E070B16S	13.50	11.00	28000	20400	1000
E*1P36B	A95DF2V045B12S	13.50	11.00	28000	20400	1000
E*1P36B	A95DF2V070B16S	13.50	11.00	28000	20400	1000
E*1P36B	A80DF1E070B12	13.50	11.00	28000	20400	1000
E*1P36B	A80DF1E090B16	13.50	11.00	28000	20400	1000
E*1P36B	EFV12BC	13.50	11.00	28000	20400	1000
E*1P36B	A95DF2E045B12S	13.50	11.00	28000	20400	1000
E*1P36B	A95DF2E070B16S	13.50	11.00	28000	20400	1000
E*1P36B	A95UH2E045B12S	13.50	11.00	28000	20400	1000
E*1P36B	A95UH2E070B12S	13.50	11.00	28000	20400	1000
E*1P36B	L85B*1V67/87E14	13.50	11.00	28000	20400	1000
E*1P36B	L85UF1V67/87E14	13.50	11.00	28000	20400	1000
E*1P36C	A95DF2V090C20S	13.50	11.00	28000	20400	1000
E*1P36C	A95DF2V110C20S	13.50	11.00	28000	20400	1000
E*1P36C	A95DF1E090C16S	13.50	11.00	28000	20400	1000
E*1P36C	A95UH2V090C12S	13.50	11.00	28000	20400	1000
E*1P36C	A95UH1E090C16S	13.50	11.00	28000	20400	1000
E*1P36C	A80DF2V110C20	13.50	11.00	28000	20400	1000
E*1P36C	A97DSMV090C16*	13.50	11.00	28000	20400	1000
E*1P36C	A97USMV090C12*	13.50	11.00	28000	20400	1000
E*1P36C	A80DS2V110C20	13.50	11.00	28000	20400	1000
E*1P36C	A80US2V090C20	13.50	11.00	28000	20400	1000

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Indoor Model		SEER	EER	Rated ARI Capacity (BTUH)	Rated Sensible Capacity BTUH	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace					
BCE3M36C****P		13.00	10.50	34000	25000	1200
BCE3M36E****X		14.00	11.00	34000	25000	1200
BCS2M36S++++P		13.50	11.00	34000	25000	1200
BCS2M36V++++P		13.50	11.00	34000	25000	1200
E*1P36B	EFV12BC	13.50	11.00	34000	24800	1200
E*1P36B	A80DF1E090B16	13.50	11.00	34000	25000	1200
E*1P36B	A80UH1E090B16*	13.50	11.00	34000	25000	1200
E*1P36B	A95DF2E070B16S	13.50	11.00	34000	25000	1200
E*1P36C	A95DF2E090C16S	13.50	11.00	34000	25000	1200
E*1P36C	A95DF2E110C20S	13.50	11.00	34000	25000	1200
E*1P36C	A95UH2E090C16S	13.50	11.00	34000	25000	1200
E*1P36C	A95UH2E110C20S	13.50	11.00	34000	25000	1200
E*1P36C	A80UH1E090C20*	13.50	11.00	34000	25000	1200
E*1P36C	A80UH1E110C20*	13.50	11.00	34000	25000	1200
E*1P36C	A95DF1E090C16S	13.50	11.00	34000	25000	1200
E*1P36C	A95DF1E110C20S	13.50	11.00	34000	25000	1200
E*1P36C	A95DF2V090C20S	13.50	11.00	34000	25000	1200
E*1P36C	A95DF2V110C20S	13.50	11.00	34000	25000	1200
E*1P36C	A95UH1E090C16S	13.50	11.00	34000	24800	1200
E*1P36C	A95UH1E110C20S	13.50	11.00	34000	24800	1200
E*1P36C	A95UH2V090C12S	13.50	11.00	34000	24800	1200
E*1P36C	A95UH2V090C16S	13.50	11.00	34000	24800	1200
E*1P36C	A95UH2V090C20S	13.50	11.00	34000	24800	1200
E*1P36C	A95UH2V110C16S	13.50	11.00	34000	24800	1200
E*1P36C	A95UH2V110C20S	13.50	11.00	34000	24800	1200
E*1P36C	A80DF1E110C20	13.50	11.00	34000	24800	1200
E*1P36C	A80DF2V110C20	13.50	11.00	34000	24800	1200
E*1P36C	A80DS2V110C20	13.50	11.00	34000	24800	1200
E*1P36C	A80US2V090C20	13.50	11.00	34000	24800	1200
E*1P36C	A80US2V110C20	13.50	11.00	34000	24800	1200
E*1P36C	A97DSMV090C16*	13.50	11.00	34000	24800	1200
E*1P36C	A97DSMV090C20*	13.50	11.00	34000	24800	1200
E*1P36C	A97DSMV110C20*	13.50	11.00	34000	24800	1200
E*1P36C	A97USMV090C12*	13.50	11.00	34000	24800	1200
E*1P36C	A97USMV090C16*	13.50	11.00	34000	24800	1200
E*1P36C	A97USMV090C20*	13.50	11.00	34000	24800	1200
E*1P36C	A97USMV110C20*	13.50	11.00	34000	24800	1200
E*1P43B	A80DS2V090B16	13.50	11.00	34000	24800	1200
E*1P43B	EFV12BC	13.50	11.00	34000	24800	1200
E*1P43B	A80DF1E090B16	13.50	11.00	34000	24800	1200
E*1P43B	A80UH1E090B16*	13.50	11.00	34000	24800	1200
E*1P43B	A80DF2V090B16	13.50	11.00	34000	24800	1200
E*1P43B	A95DF2E070B16S	13.50	11.00	34000	24800	1200
E*1P43C	A95DF2E090C16S	13.50	11.00	34000	24800	1200
E*1P43C	A95DF2E110C20S	13.50	11.00	34000	24800	1200
E*1P43C	A95UH2E090C16S	13.50	11.00	34000	24800	1200
E*1P43C	L85B*1V104/118F20	13.50	11.00	34000	24800	1200
E*1P43C	L85B*1V67/87E14	13.50	11.00	34000	24800	1200
E*1P43C	L85UF1V67/87E14	13.50	11.00	34000	24800	1200
E*1P43C	A95UH2E110C20S	13.50	11.00	34000	24800	1200
E*1P43C	A80DF2V110C20	13.50	11.00	34000	24800	1200
E*1P43C	A80UH1E090C20*	13.50	11.00	34000	24800	1200
E*1P43C	A80UH1E110C20	13.50	11.00	34000	24800	1200

Continued on the Following Page

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Indoor Model		SEER	EER	Rated ARI Capacity (BTUH)	Rated Sensible Capacity BTUH	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace					
E*1P43C	A80UH1E110C20*	13.50	11.00	34000	24800	1200
E*1P43C	A95DF1E090C16S	13.50	11.00	34000	24800	1200
E*1P43C	A95DF1E110C20S	13.50	11.00	34000	24800	1200
E*1P43C	A95DF2V090C20S	13.50	11.00	34000	24800	1200
E*1P43C	A95DF2V110C20S	13.50	11.00	34000	24800	1200
E*1P43C	A95UH1E090C16S	13.50	11.00	34000	24800	1200
E*1P43C	A95UH1E110C20S	13.50	11.00	34000	24800	1200
E*1P43C	A95UH2V090C12S	13.50	11.00	34000	24800	1200
E*1P43C	A95UH2V090C16S	13.50	11.00	34000	24800	1200
E*1P43C	A95UH2V090C20S	13.50	11.00	34000	24800	1200
E*1P43C	A95UH2V110C16S	13.50	11.00	34000	24800	1200
E*1P43C	A95UH2V110C20S	13.50	11.00	34000	24800	1200
E*1P43C	A80DF1E110C20	13.50	11.00	34000	24800	1200
E*1P43C	A80DS2V110C20	13.50	11.00	34000	24800	1200
E*1P43C	A80US2V090C20	13.50	11.00	34000	24800	1200
E*1P43C	A80US2V110C20	13.50	11.00	34000	24800	1200
E*1P43C	A97DSMV090C16*	13.50	11.00	34000	24800	1200
E*1P43C	A97DSMV090C20*	13.50	11.00	34000	24800	1200
E*1P43C	A97DSMV110C20*	13.50	11.00	34000	24800	1200
E*1P43C	A97USMV090C12*	13.50	11.00	34000	24800	1200
E*1P43C	A97USMV090C16*	13.50	11.00	34000	24800	1200
E*1P43C	A97USMV090C20*	13.50	11.00	34000	24800	1200
E*1P43C	A97USMV110C20*	13.50	11.00	34000	24800	1200
E*1P50C	A97DSMV090C16*	13.50	11.00	34000	24800	1200
E*1P50C	A97DSMV090C20*	13.50	11.00	34000	24800	1200
E*1P50C	A97DSMV110C20*	13.50	11.00	34000	24800	1200
E*1P50C	A97USMV090C12*	13.50	11.00	34000	24800	1200
E*1P50C	A97USMV090C16*	13.50	11.00	34000	24800	1200
E*1P50C	A97USMV090C20*	13.50	11.00	34000	24800	1200
E*1P50C	A97USMV110C20*	13.50	11.00	34000	24800	1200
E*1P50C	A95DF2E090C16S	13.50	11.00	34000	24800	1200
E*1P50C	A95DF2E110C20S	13.50	11.00	34000	24800	1200
E*1P50C	A95UH2E090C16S	13.50	11.00	34000	24800	1200
E*1P50C	A95UH2E110C20S	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A80DS2V110C20	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A80US2V090C20	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A80US2V110C20	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A95UH1E090C16S	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A95UH1E110C20S	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A95UH2V090C12S	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A95UH2V090C16S	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A95UH2V090C20S	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A95UH2V110C16S	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A95UH2V110C20S	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A95DF2V090C20S	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A95DF2V110C20S	13.50	11.00	34000	24800	1200
E*1P50C+TDR	EFV16CC	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A80DF1E110C20	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A80DF2V110C20	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A80UH1E090C20*	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A80UH1E110C20*	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A95DF1E090C16S	13.50	11.00	34000	24800	1200
E*1P50C+TDR	A95DF1E110C20S	13.50	11.00	34000	24800	1200

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Indoor Model		SEER	EER	Rated ARI Capacity (BTUH)	Rated Sensible Capacity BTUH	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace					
BCE3M42C****P		13.00	10.50	40000	29200	1400
BCE3M42E****X		14.00	11.00	40000	29200	1400
BCS2M42S++++P		13.50	11.00	40000	29200	1400
BCS2M42V++++P		13.50	11.00	40000	29200	1400
E*1P43C	A97DSMV090C16*	13.50	11.00	40000	29200	1400
E*1P43C	A97DSMV090C20*	13.50	11.00	40000	29200	1420
E*1P43C	A97DSMV110C20*	13.50	11.00	40000	29200	1420
E*1P43C	A97USMV090C16*	13.50	11.00	40000	29200	1400
E*1P43C	A97USMV090C20*	13.50	11.00	40000	29200	1400
E*1P43C	A97USMV110C20*	13.50	11.00	40000	29200	1400
E*1P43C	L85B*1V104/118F20	13.50	11.00	40000	29200	1400
E*1P43C	L85UF1V67/87E14	13.50	11.00	40000	29200	1400
E*1P43C	A95DF2E090C16S	13.50	11.00	40000	29200	1400
E*1P43C	A95DF2E110C20S	13.50	11.00	40000	29200	1400
E*1P43C	A95UH2E090C16S	13.50	11.00	40000	29200	1400
E*1P43C	A95UH2E110C20S	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A80DS2V110C20	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A80US2V090C20	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A80US2V110C20	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A80DF1E110C20	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A80DF2V110C20	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A80UH1E090C20*	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A80UH1E110C20*	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A95DF1E110C20S	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A95UH1E110C20S	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A95UH2V090C16S	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A95UH2V090C20S	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A95UH2V110C16S	13.50	11.00	40000	29200	1400
E*1P43C+TDR	A95UH2V110C20S	13.50	11.00	40000	29200	1400
E*1P49C	A80DF1E110C20	13.50	11.00	40000	29200	1400
E*1P49C	A97DSMV090C16*	13.50	11.00	40000	29200	1400
E*1P49C	A97DSMV110C20*	13.50	11.00	40000	29200	1420
E*1P49C	A97USMV090C16*	13.50	11.00	40000	29200	1400
E*1P49C	A97USMV090C20*	13.50	11.00	40000	29200	1400
E*1P49C	A97USMV110C20*	13.50	11.00	40000	29200	1400
E*1P49C	A95DF2E090C16S	13.50	11.00	40000	29200	1400
E*1P49C	A95DF2E110C20S	13.50	11.00	40000	29200	1400
E*1P49C	A95UH2E090C16S	13.50	11.00	40000	29200	1400
E*1P49C	A95UH2E110C20S	13.50	11.00	40000	29200	1400
E*1P49C	L85B*1V104/118F20	13.50	11.00	40000	29200	1400
E*1P49C	L85UF1V67/87E14	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A80DS2V110C20	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A80US2V090C20	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A80US2V110C20	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A80DF1E110C20	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A80DF2V110C20	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A80UH1E090C20*	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A80UH1E110C20*	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A95DF1E110C20S	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A95UH1E110C20S	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A95UH2V090C16S	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A95UH2V090C20S	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A95UH2V110C16S	13.50	11.00	40000	29200	1400
E*1P49C+TDR	A95UH2V110C20S	13.50	11.00	40000	29200	1400

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4SCU13LB142-3 Continued

Indoor Model		SEER	EER	Rated ARI Capacity (BTUH)	Rated Sensible Capacity BTUH	CFM
Evaporator Coil or Air Handler	Variable Speed Furnace					
E*1P50C	A97USMV090C16*	13.50	11.00	40000	29200	1400
E*1P50C	A97USMV090C20*	13.50	11.00	40000	29200	1400
E*1P50C	A97USMV110C20*	13.50	11.00	40000	29200	1400
E*1P50C	L85B*1V104/118F20	13.50	11.00	40000	29200	1400
E*1P50C	L85UF1V67/87E14	13.50	11.00	40000	29200	1400
E*1P50C	A95DF2E090C16S	13.50	11.00	40000	29200	1400
E*1P50C	A95DF2E110C20S	13.50	11.00	40000	29200	1400
E*1P50C	A95UH2E090C16S	13.50	11.00	40000	29200	1400
E*1P50C+TDR	A80DS2V110C20	13.50	11.00	40000	29200	1400
E*1P50C+TDR	A80US2V090C20	13.50	11.00	40000	29200	1400
E*1P50C+TDR	A80DF1E110C20	13.50	11.00	40000	29200	1400
E*1P50C+TDR	A80DF2V110C20	13.50	11.00	40000	29200	1400
E*1P50C+TDR	A80UH1E090C20*	13.50	11.00	40000	29200	1400
E*1P50C+TDR	A80UH1E110C20*	13.50	11.00	40000	29200	1400
E*1P50C+TDR	A95DF1E110C20S	13.50	11.00	40000	29200	1400
E*1P50C+TDR	A95UH2V090C16S	13.50	11.00	40000	29200	1400
E*1P50C+TDR	A95UH2V090C20S	13.50	11.00	40000	29200	1400
E*1P50C+TDR	A95UH2V110C16S	13.50	11.00	40000	29200	1400
E*1P50C+TDR	A95UH2V110C20S	13.50	11.00	40000	29200	1400

4SCU13LB148-3

Indoor Model	SEER	EER	Rated ARI Capacity (BTUH)	Rated Sensible Capacity BTUH	CFM
Evaporator Coil or Air Handler					
BCE3M48C****P	13.00	11.00	47000	34300	1600
BCE3M48E****X	14.00	11.00	47000	34300	1600
BCS2M48S++++P	13.50	11.00	47000	34300	1600
BCS2M48V++++P	13.50	11.00	47000	34300	1600

4SCU13LB160-3

Indoor Model	SEER	EER	Rated ARI Capacity (BTUH)	Rated Sensible Capacity BTUH	CFM
Evaporator Coil or Air Handler					
BCE3M60C****P	13.00	11.00	56000	41000	1800
BCE3M60E****X	13.50	11.00	56000	41000	1800
BCS2M60S++++P	13.50	11.00	57000	41000	1800
BCS2M60V++++P	13.50	11.00	57000	41000	1800

R-22 Expansion Valves

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61148	A2TXV01 R22 EXPANSION VALVE	
1	EA	61151	A2TXV02 R22 EXPANSION VALVE	
1	EA	61155	H2TXV01 R22 EXPANSION VALVE	
1	EA	61156	H2TXV02 R22 EXPANSION VALVE	
1	EA	61157	H2TXV03 R22 EXPANSION VALVE	

Model Number Guide, Coils

E	U	1P	18	A	N	1
E = Evaporator Coil	U = Uncased C = Cased M = Multipositional H = Horizontal	Expansion Device 1P = Piston	Nominal Capacity 18 = 1.5 ton 24 = 2.0 ton 30 = 2.5 ton 36 = 3.0 ton 48 = 4.0 ton 49 = 4.0 ton 50 = 4.0 ton 60 = 5.0 ton 62 = 5.0 ton	Gas Furnace Cabinet Width A = 14.5 B = 17.5 C = 21 D = 24.5	Color N = Not Applicable G = Gray M = Embossed Unpainted	Series

AXCA Cased Coils—Aluminum

Upflow/Counterflow with Factory Installed TXV



- Antimicrobial additive inhibits growth of mold and mildew in drain pan.
- Patented HydroTEC™ low water retention drain pan.
- Insulated galvanized steel coil case with durable embossed finish.
- Removable panels for easy service or coil cleaning.
- 5/8" foil-faced insulation for easy cleaning.
- Copper refrigerant connections for easy brazing.
- Non-captive refrigerant lines with long stubs extend outside cabinet for easy installation.
- Enhanced refrigerant pipe grommets are secure, tight, and easy to install.
- Interlocking doors reduce air leakaage and allow for easy access.
- 10-year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation.

Model Number	Dimensions H x W x D (in)	Tons	Plenum Opening W x D (In)	Liquid Sweat (In)	Suction Sweat (In)	Weight (Lbs)
30AXCA	16-1/2 x 14-1/2 x 21	18/30	13 x 19-1/2	3/8	3/4	30
30BXCA	16-1/2 x 17-1/2 x 21	18/30	16 x 19-1/2	3/8	3/4	30
36AXCA	20-1/2 x 14-1/2 x 21	18/30	13 x 19-1/2	3/8	3/4	38
36BXCA	20-1/2 x 17-1/2 x 21	24/36	16 x 19-1/2	3/8	3/4	38
36CXCA	20-1/2 x 21 x 21	24/36	19-1/2 x 19-1/2	3/8	3/4	38
36DXCA	20-1/2 x 24-1/2 x 21	24/36	23 x 19-1/2	3/8	3/4	38
37BXCA	29-1/2 x 17-1/2 x 21	30/36	16 x 19-1/2	3/8	3/4	53
42BXCA	25-1/2 x 17-1/2 x 21	36/42	16 x 19-1/2	3/8	7/8	42
42CXCA	25-1/2 x 21 x 21	36/42	19-1/2 x 19-1/2	3/8	7/8	42
60CXCA	27-1/2 x 21 x 21	42/60	19-1/2 x 19-1/2	3/8	7/8	50
60DXCA	27-1/2 x 24-1/2 x 21	42/60	23 x 19-1/2	3/8	7/8	50
62CXCA	31-1/2 x 21 x 21	48/60	19-1/2 x 19-1/2	3/8	7/8	58
62DXCA	31-1/2 x 24-1/2 x 21	48/60	23 x 19-1/2	3/8	7/8	58

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
12	EA	84570	30AXCA 14.5W X 21D X 16.5H ALUMINUM CASED COIL W/TXV
8	EA	84571	30BXCA 17.5W X 21D X 16.5H ALUMINUM CASED COIL W/TXV
6	EA	84572	36AXCA 14.5W X 21D X 20.5H ALUMINUM CASED COIL W/TXV
4	EA	84573	36BXCA 17.5W X 21D X 20.5H ALUMINUM CASED COIL W/TXV
4	EA	84574	36CXCA 21W X 21D X 20.5H ALUMINUM CASED COIL W/TXV
4	EA	84575	36DXCA 24.5W X 21D X 20.5H ALUMINUM CASED COIL W/TXV
4	EA	84576	37BXCA 17.5W X 21D X 29.5H ALUMINUM CASED COIL W/TXV
4	EA	84577	42BXCA 17.5W X 21D X 25.5H ALUMINUM CASED COIL W/TXV
4	EA	84578	42CXCA 21W X 21D X 25.5H ALUMINUM CASED COIL W/TXV
4	EA	84579	60CXCA 21W X 21D X 27.5H ALUMINUM CASED COIL W/TXV
4	EA	84580	60DXCA 24.5W X 21D X 27.5H ALUMINUM CASED COIL W/TXV
4	EA	84581	62CXCA 21W X 21D X 31.5H ALUMINUM CASED COIL W/TXV
4	EA	84582	62DXCA 24.5W X 21D X 31.5H ALUMINUM CASED COIL W/TXV

EC4X Cased Coils

Upflow/Counterflow with Factory Installed TXV



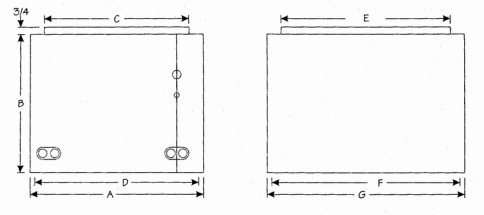
- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- Tightly sealed, painted cabinet with wall-to-wall insulation, interlocking door assemblies, and snug line seal grommets to minimize air leakage
- Foil-face insulation for easy cleaning
- Tubing located at door split for easy coil service or cleaning
- Drain pan is compatible with UV lights
- 10 year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85280	EC4X23AG-1 14.5W X 21.5D X 18.5H CASED COIL W/TXV
1	EA	85281	EC4X23BG-1 17.5W X 21.5D X 18.5H CASED COIL W/TXV
1	EA	85282	EC4X29AG-1 14.5W X 21.5D X 22.5H CASED COIL W/TXV
1	EA	85283	EC4X29BG-1 17.5W X 21.5D X 22.5H CASED COIL W/TXV
1	EA	85284	EC4X30BG-1 17.5W X 21.5D X 24.5H CASED COIL W/TXV
1	EA	85285	EC4X30CG-1 21W X 21.5D X 24.5H CASED COIL W/TXV
1	EA	85286	EC4X36AG-1 14.5W X 21.5D X 24.5H CASED COIL W/TXV
1	EA	85287	EC4X36BG-1 17.5W X 21.5D X 24.5H CASED COIL W/TXV
1	EA	85288	EC4X36CG-1 21W X 21.5D X 24.5H CASED COIL W/TXV
1	EA	85289	EC4X43BG-1 17.5W X 21.5D X 27.5H CASED COIL W/TXV
1	EA	85290	EC4X43CG-1 21W X 21.5D X 27.5H CASED COIL W/TXV
1	EA	85291	EC4X49CG-1 21W X 22D X 29.5H CASED COIL W/TXV
1	EA	85292	EC4X50CG-1 21W X 21.5D X 27.5H CASED COIL W/TXV
1	EA	85293	EC4X62CG-1 21W X 22D X 31.5H CASED COIL W/TXV
1	EA	85294	EC4X62DG-1 24.5W X 21.5D X 29.5H CASED COIL W/TXV

EC1P Cased Coils

Upflow and Counterflow



- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- Insulated steel coil case with high quality painted finish
- Interlocking door assemblies and snug line seal grommets to minimize air leakage
- External cabinet mounted distributor body designed for easy changing of Two dual drain connections on front of coil for installation flexibility of drain lines around furnace vent and utility connections.
- 10 year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation
- Extended warranty available

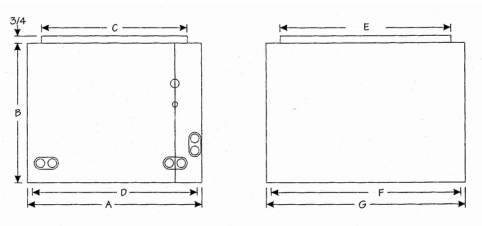
Model Number	A (In)	B (In)	C (In)	D (In)	E (In)	F (In)	G (In)	Orifice	Refrigerant Connections		Weight (Lbs)
									Liquid (In)	Vapor (In)	
EC1P23AG-1	14-1/2	18-1/2	13	13-1/2	18	20-1/2	21	.057	3/8	3/4	39
EC1P23BG-1	17-1/2	18-1/2	16	16-1/2	18	20-1/2	21	.057	3/8	3/4	41
EC1P24AG-1	14-1/2	20-1/2	13	13-1/2	18	20-1/2	21	.057	3/8	3/4	37
EC1P24BG-1	17-1/2	20-1/2	16	16-1/2	18	20-1/2	21	.057	3/8	3/4	40
EC1P29AG-1	14-1/2	25-1/2	13	13-1/2	18	20-1/2	21	.065	3/8	3/4	47
EC1P29BG-1	17-1/2	25-1/2	16	16-1/2	18	20-1/2	21	.065	3/8	3/4	49
EC1P30AG-1	14-1/2	24-1/2	13	13-1/2	18	20-1/2	21	.065	3/8	3/4	45
EC1P30BG-1	17-1/2	24-1/2	16	16-1/2	18	20-1/2	21	.065	3/8	3/4	46
EC1P30CG-1	21	24-1/2	19-1/2	20	18	20-1/2	21	.065	3/8	3/4	50
EC1P36AG-1	14-1/2	24-1/2	13	13-1/2	18	20-1/2	21	.073	3/8	3/4	49
EC1P36BG-1	17-1/2	24-1/2	16	16-1/2	18	20-1/2	21	.073	3/8	3/4	51
EC1P36CG-1	21	24-1/2	19-1/2	20	18	20-1/2	21	.073	3/8	3/4	55
EC1P43BG-1	17-1/2	29-1/2	16	16-1/2	18	20-1/2	21	.076	3/8	7/8	60
EC1P43CG-1	21	29-1/2	19-1/2	20	18	20-1/2	21	.076	3/8	7/8	63
EC1P48BG-1	17-1/2	24-1/2	16	16-1/2	18	20-1/2	21	.082	3/8	7/8	52
EC1P49CG-1	21	29-1/2	19-1/2	20	19	21-1/2	22	.093	3/8	7/8	72
EC1P50CG-1	21	27-1/2	19-1/2	20-1/2	18	20-1/2	21	.082	3/8	7/8	66
EC1P60DG-1	24-1/2	25-1/2	23	23-1/2	18	20-1/2	21	.093	3/8	7/8	66
EC1P62CG-1	21	31-1/2	19-1/2	20	19	21-1/2	22	.093	3/8	7/8	76
EC1P62DG-1	24-1/2	29-1/2	23	23-1/2	18	20-1/2	21	.093	3/8	7/8	77

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	60777	EC1P23AG-1 14.5W X 21D X 18.5H CASED COIL
1	EA	60807	EC1P23BG-1 17.5W X 21D X 18.5H CASED COIL
1	EA	60742	EC1P24AG-1 14.5W X 21D X 20.5H CASED COIL
1	EA	60773	EC1P24BG-1 17.5W X 21D X 20.5H CASED COIL
1	EA	60784	EC1P29AG-1 14.5W X 21D X 25.5H CASED COIL
1	EA	84256	EC1P29BG-1 17.5W X 21D X 25.5H CASED COIL
1	EA	60744	EC1P30AG-1 14.5W X 21D X 24.5H CASED COIL
1	EA	60745	EC1P30BG-1 17.5W X 21D X 24.5H CASED COIL
1	EA	60803	EC1P30CG-1 21W X 21D X 24.5H CASED COIL
1	EA	60746	EC1P36AG-1 14.5W X 21D X 24.5H CASED COIL
1	EA	60747	EC1P36BG-1 17.5W X 21D X 24.5H CASED COIL
1	EA	60758	EC1P36CG-1 21W X 21D X 24.5H CASED COIL
1	EA	60808	EC1P43BG-1 17.5W X 21D X 29.5H CASED COIL
1	EA	60809	EC1P43CG-1 21W X 21D X 29.5H CASED COIL
1	EA	60762	EC1P48BG-1 17.5W X 21D X 24.5H CASED COIL
1	EA	60766	EC1P49CG-1 21W X 22D X 29.5H CASED COIL
1	EA	60767	EC1P50CG-1 21W X 21D X 27.5H CASED COIL
1	EA	60768	EC1P60DG-1 24.5W X 21D X 25.5H CASED COIL
1	EA	60771	EC1P62CG-1 21W X 22D X 31.5H CASED COIL
1	EA	60772	EC1P62DG-1 24.5W X 21D X 29.5H CASED COIL

EM1P Cased Coils

Upflow and Horizontal



- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- Insulated steel coil case with high quality painted finish
- Interlocking door assemblies and snug line seal grommets to minimize air leakage
- External cabinet mounted distributor body designed for easy changing of orifice sizes and fast TXV connections
- Side drain pan built in for easy horizontal coil installations
- 10 year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation

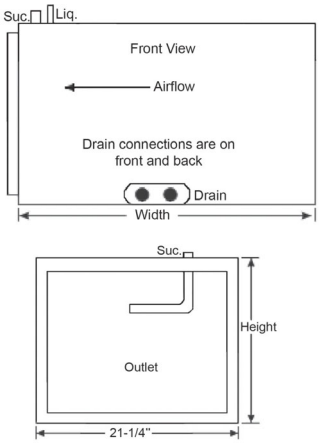
Model Number	A (In)	B (In)	C (In)	D (In)	E (In)	F (In)	G (In)	Orifice	Refrigerant Connections		Weight (Lbs)
									Liquid (In)	Vapor (In)	
EM1P24AG-1	14-1/2	25-1/2	13	13-1/2	19-1/2	20-1/2	21	.057	3/8	3/4	42
EM1P24BG-1	17-1/2	25-1/2	16	16-1/2	19-1/2	20-1/2	21	.057	3/8	3/4	42
EM1P29BG-1	17-1/2	25-1/2	16	16-1/2	19-1/2	20-1/2	21	.065	3/8	3/4	41
EM1P30AG-1	14-1/2	25-1/2	13	13-1/2	19-1/2	20-1/2	21	.065	3/8	3/4	42
EM1P30BG-1	17-1/2	25-1/2	16	16-1/2	19-1/2	20-1/2	21	.065	3/8	3/4	42
EM1P36AG-1	14-1/2	25-1/2	13	13-1/2	19-1/2	20-1/2	21	.073	3/8	3/4	57
EM1P36BG-1	17-1/2	25-1/2	16	16-1/2	19-1/2	20-1/2	21	.073	3/8	3/4	57
EM1P36CG-1	21	25-1/2	19-1/2	20	19-1/2	20-1/2	21	.073	3/8	3/4	57
EM1P48BG-1	17-1/2	25-1/2	16	16-1/2	19-1/2	20-1/2	21	.082	3/8	7/8	48
EM1P48CG-1	21	25-1/2	19-1/2	20	19-1/2	20-1/2	21	.082	3/8	7/8	48

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	60663	EM1P24AG-1 14.5W X 21D X 25.5H UPFLOW/HORIZONTAL COIL
1	EA	60671	EM1P24BG-1 17.5W X 21D X 25.5H UPFLOW/HORIZONTAL COIL
1	EA	61437	EM1P29BG-1 17.5W X 21D X 25.5H UPFLOW/HORIZONTAL COIL
1	EA	60664	EM1P30AG-1 14.5W X 21D X 25.5H UPFLOW/HORIZONTAL COIL
1	EA	60665	EM1P30BG-1 17.5W X 21D X 25.5H UPFLOW/HORIZONTAL COIL
1	EA	60666	EM1P36AG-1 14.5W X 21D X 25.5H UPFLOW/HORIZONTAL COIL
1	EA	60667	EM1P36BG-1 17.5W X 21D X 25.5H UPFLOW/HORIZONTAL COIL
1	EA	60668	EM1P36CG-1 21W X 21D X 25.5H UPFLOW/HORIZONTAL COIL
1	EA	60669	EM1P48BG-1 17.5W X 21D X 25.5H UPFLOW/HORIZONTAL COIL
1	EA	60675	EM1P48CG-1 21W X 21D X 25.5H UPFLOW/HORIZONTAL COIL

EH1P Cased Coils

Horizontal



- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth.
- Drain pan has trough to fully drain condensate away.
- Insulated galvanized steel coil case with durable embossed finish.
- Top, front, and back panels are removable for easy service or coil cleaning.
- Dual condensate drains on front and back of coil allows flexibility of placement to accommodate left or right airflow furnaces.
- Foil faced insulation for easy cleaning.
- Refrigerant connections on top of coil for ease of installation in left or right airflow furnaces.
- 10 year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation.

Model Number	Height (In)	Width (In)	Supply		Return		Orifice Size	Weight	Liquid	Vapor
			Height (In)	Width (In)	Height (In)	Width (In)				
EH1P23AM-1	14-1/2	26-1/2	13	19-3/4	20	13-1/2	.057	38	3/8	7/8
EH1P23BM-1	17-1/2	26-1/2	16	19-3/4	20	16-1/2	.057	50	3/8	7/8
EH1P29AM-1	14-1/2	31-1/2	13	19-3/4	20-1/4	13-1/2	.065	56	3/8	7/8
EH1P29BM-1	17-1/2	26-1/2	16	19-3/4	20	16-1/2	.065	45	3/8	7/8
EH1P36BM-1	17-1/2	26-1/2	16	19-3/4	20	16-1/2	.073	56	3/8	7/8
EH1P36CM-1	21	26-1/2	19-1/2	19-3/4	20	20	.073	64	3/8	7/8
EH1P43BM-1	17-1/2	31-1/2	16	19-3/4	20-1/4	16-1/2	.076	52	3/8	7/8
EH1P43CM-1	21	26-1/2	19-1/2	19-3/4	20	20	.076	56	3/8	7/8
EH1P49CM-1	21	31-1/2	19-1/2	19-3/4	20-1/4	20	.093	58	3/8	7/8
EH1P49DM-1	24-1/2	31-1/2	23	19-3/4	21-1/4	23-1/2	.093	66	3/8	7/8
EH1P62DM-1	24-1/2	31-1/2	19-3/4	23	23-1/2	20-1/4	.093	63	3/8	7/8

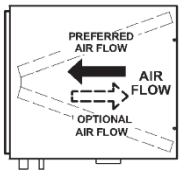
Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	67300	EH1P23AM-1 26.5W X 21.25D X 14.5H HORIZONTAL COIL
1	EA	67382	EH1P23BM-1 26.5W X 21.25D X 17.5H HORIZONTAL COIL
1	EA	67395	EH1P29AM-1 31.5W X 21.25D X 14.5H HORIZONTAL COIL
1	EA	67403	EH1P29BM-1 26.5W X 21.25D X 17.5H HORIZONTAL COIL
1	EA	67405	EH1P36BM-1 26.5W X 21.25D X 17.5H HORIZONTAL COIL
1	EA	67411	EH1P36CM-1 26.5W X 21.25D X 21H HORIZONTAL COIL
1	EA	67412	EH1P43BM-1 31.5W X 21.25D X 17.5H HORIZONTAL COIL
1	EA	67413	EH1P43CM-1 26.5W X 21.25D X 21H HORIZONTAL COIL
1	EA	67431	EH1P49CM-1 31.5W X 21.25D X 21H HORIZONTAL COIL
1	EA	67441	EH1P49DM-1 31.5W X 21.25D X 24.5H HORIZONTAL COIL
1	EA	67438	EH1P62DM-1 31.5W X 21.25D X 24.5H HORIZONTAL COIL

EAH1P Cased Coils—Aluminum

Horizontal





TOP VIEW

- Antimicrobial additive inhibits growth of mold and mildew in drain pan.
- Patented HydroTEC™ low water retention drain pan.
- Insulated galvanized steel coil case with durable embossed finish.
- Removable panels for easy service or coil cleaning.
- 5/8" foil-faced insulation for easy cleaning.
- Copper refrigerant side connections for easy brazing.
- Non-captive refrigerant lines with long stubs extend outside cabinet for easy installation.
- Enhanced refrigerant pipe grommets are secure, tight, and easy to install.
- Interlocking doors reduce air leakaage and allow for easy access.
- 10-year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation.

Model Number	Dimensions H x W x D (In)	Supply* H x W (In)	Return* H x W (In)	Condensate Drain FPT (In)	Liquid Sweat (In)	Suction Sweat (In)	Weight (Lbs)
EAH1P24AG-50	14-1/2 x 26-1/2 x 21-1/2	13-3/8 x 20-3/8	13 x 20	3/4	3/8	3/4	45
EAH1P24BG-50	17-1/2 x26-1/2 x 21-1/2	16-3/8 x 20-3/8	16 x 20	3/4	3/8	3/4	49
EAH1P30AG-50	14-1/2 x 31-1/2 x 21-1/2	13-3/8 x 20-3/8	13 x 20	3/4	3/8	3/4	55
EAH1P30BG-50	17-1/2 x 26-1/2 x 21-1/2	16-3/8 x 20-3/8	16 x 20	3/4	3/8	3/4	53
EAH1P36AG-50	14-1/2 x 26-1/2 x 21-1/2	13-3/8 x 20-3/8	13 x 20	3/4	3/8	3/4	47
EAH1P36BG-50	17-1/2 x 26-1/2 x 21-1/2	16-3/8 x 20-3/8	16 x 20	3/4	3/8	3/4	48
EAH1P36CG-50	21 x 26-1/2 x 21-1/2	19-7/8 x 20-3/8	19-1/2 x 20	3/4	3/8	3/4	55
EAH1P42BG-50	17-1/2 x 31-1/2 x 21-1/2	16-3/8 x 20-3/8	16 x 20	3/4	3/8	7/8	66
EAH1P42CG-50	21 x 26-1/2 x 21-1/2	19-7/8 x 20-3/8	19-1/2 x 20	3/4	3/8	7/8	60
EAH1P48BG-50	17-1/2 x 31-1/2 x 21-1/2	16-3/8 x 20-3/8	16 x 20	3/4	3/8	7/8	60
EAH1P48CG-50	21 x 26-1/2 x 21-1/2	19-7/8 x 20-3/8	19-1/2 x 20	3/4	3/8	7/8	59
EAH1P51CG-50	21 x 31-1/2 x 21-1/2	19-7/8 x 20-3/8	19-1/2 x 20	3/4	3/8	7/8	69
EAH1P60DG-50	24-1/2 x 31-1/2 x 21-1/2	23-3/8 x 20-3/8	23 x 20	3/4	3/8	7/8	78

* Dimensions shown reflect right-hand airflow installation. Right-hand airflow requires field-fabricated 6 in. spacer in between the furnace and coil.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	83876	EAH1P24AG-50 26.5W X 21.5D X 14.5H HORIZONTAL ALUMINUM COIL
1	EA	83877	EAH1P24BG-50 26.5W X 21.5D X 17.5H HORIZONTAL ALUMINUM COIL
1	EA	83878	EAH1P30AG-50 31.5W X 21.5D X 14.5H HORIZONTAL ALUMINUM COIL
1	EA	83879	EAH1P30BG-50 26.5W X 21.5D X 17.5H HORIZONTAL ALUMINUM COIL
1	EA	83880	EAH1P36AG-50 26.5W X 21.5D X 14.5H HORIZONTAL ALUMINUM COIL
1	EA	83881	EAH1P36BG-50 26.5W X 21.5D X 17.5H HORIZONTAL ALUMINUM COIL
1	EA	83882	EAH1P36CG-50 26.5W X 21.5D X 21H HORIZONTAL ALUMINUM COIL
1	EA	83883	EAH1P42BG-50 31.5W X 21.5D X 17.5H HORIZONTAL ALUMINUM COIL
1	EA	83884	EAH1P42CG-50 26.5W X 21.5D X 21H HORIZONTAL ALUMINUM COIL
1	EA	83885	EAH1P48BG-50 31.5W X 21.5D X 17.5H HORIZONTAL ALUMINUM COIL
1	EA	83886	EAH1P48CG-50 26.5W X 21.5D X 21H HORIZONTAL ALUMINUM COIL
1	EA	83887	EAH1P51CG-50 31.5W X 21.5D X 21H HORIZONTAL ALUMINUM COIL
1	EA	83888	EAH1P60DG-50 31.5W X 21.5D X 24.5H HORIZONTAL ALUMINUM COIL

ED1P Cased Coils

Downflow



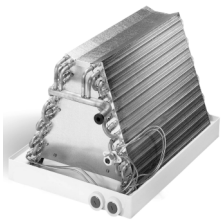
- Drain pan features Microban® antimicrobial additive plus low water retention to resist mold and mildew growth.
- Interlocking door assemblies and snug line seal grommets to minimize air leakage.
- Foil faced insulation for easy cleaning.
- Tubing located at door split for easy coil service or cleaning.
- Drain pan compatible with UV lights.
- Piston coils compatible with R-22 or R-410a.
- Heavy-gauge steel constructed cabinet for optimal support of furnace—no need for additional bracing or structure.
- Inlet openings matched to furnace models for easy installation—no adapters needed.
- Removable cabinet panels for easy coil service.
- Single protruding dual drain port for easy installation and service access.
- 10 year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85270	ED1P-30/36A 2.5-3T 17.5WX26.2DX16.2H DOWNFLOW CASED COIL
1	EA	85271	ED1P-30/36B 2.5-3T 17.5WX26.2DX16.2H DOWNFLOW CASED COIL
1	EA	85272	ED1P-30/36C 2.5-3T 21WX26.2DX16.2H DOWNFLOW CASED COIL
1	EA	85275	ED1P-48C-1 4T 21W X 26.2D X 20H DOWNFLOW CASED COIL
1	EA	85273	ED1P-50/60C 4-5T 24.5WX26.2DX23.7H DOWNFLOW CASED COIL

EAU1P Uncased Coils—Aluminum

Upflow and Counterflow



- Antimicrobial additive inhibits growth of mold and mildew in drain pan.
- Patented HydroTEC™ low water retention drain pan.
- Insulated galvanized steel coil case with durable embossed finish.
- Copper refrigerant connections for easy brazing.
- Orifice assembly designed for easy changing of orifice sizes and TXV connections.
- Single protruding right side dual drain port for easy installation and service.
- Non-captive refrigerant lines with long stubs for easy installation.
- Enhanced refrigerant pipe grommets are secure, tight, and easy to install.
- 10-year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation.

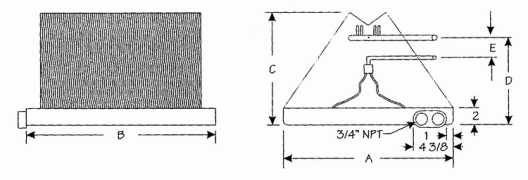
Model Number	Height (In)	Width (In)	Depth (In)	Return W x D (In)	Condensate Drain FPT (In)	Refrigerant Connections		Weight (Lbs)
						Liquid Sweat (In)	Vapor Sweat (In)	
EAU1P18/24A-50	14-1/8	13	19-1/2	9-1/4 x 16	3/4	3/8	3/4	18
EAU1P18/24B-50	14-1/8	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	3/4	20
EAU1P24A-50	16-3/8	13	19-1/2	9-1/4 x 16	3/4	3/8	3/4	23
EAU1P24B-50	16-3/8	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	3/4	24
EAU1P30A-50	20-3/4	13	19-1/2	9-1/4 x 16	3/4	3/8	3/4	31
EAU1P30B-50	20-3/4	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	3/4	32
EAU1P30/36A-50	22-1/4	13	19-1/2	9-1/4 x 16	3/4	3/8	3/4	26
EAU1P30/36B-50	22-1/4	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	3/4	27
EAU1P30/36C-50	22-1/4	20	19-1/2	16-1/4 x 16	3/4	3/8	3/4	29
EAU1P36A-50	22-3/8	13	19-1/2	9-1/4 x 16	3/4	3/8	3/4	31
EAU1P36B-50	22-3/8	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	3/4	33
EAU1P48B-50	26-1/4	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	7/8	43
EAU1P48C-50	26-1/4	20	19-1/2	16-1/4 x 16	3/4	3/8	7/8	44
EAU1P49C-50	28-1/2	21-1/2	19-1/2	15-3/4 x 16	3/4	3/8	7/8	53
EAU1P50/60C-50	25-7/8	20	19-1/2	16-1/4 x 16	3/4	3/8	7/8	40
EAU1P60C-50	30-5/8	19-1/2	19-1/2	15-3/4 x 16	3/4	3/8	7/8	58
EAU1P60D-50	28	23	19-1/2	14-1/4 x 19	3/4	3/8	7/8	48

Prices Available on Request

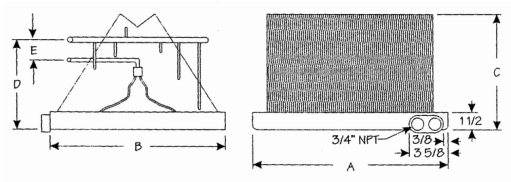
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	83940	EAU1P18/24A-50 13W X 19.5D X 14.125H UNCASED COIL
1	EA	83941	EAU1P18/24B-50 15.5W X 19.5D X 14.125H UNCASED COIL
1	EA	83942	EAU1P24A-50 13W X 19.5D X 16.375H UNCASED COIL
1	EA	83943	EAU1P24B-50 15.5W X 19.5D X 16.375H UNCASED COIL
1	EA	83944	EAU1P30A-50 13W X 19.5D X 22.25H UNCASED COIL
1	EA	83945	EAU1P30B-50 15.5W X 19.5D X 20.75H UNCASED COIL
1	EA	83946	EAU1P30/36A-50 13W X 19.5D X 22.25H UNCASED COIL
1	EA	83947	EAU1P30/36B-50 15.5W X 19.5D X 22.25H UNCASED COIL
1	EA	83948	EAU1P30/36C-50 20W X 19.5D X 22.25H UNCASED COIL
1	EA	83949	EAU1P36A-50 13W X 19.5D X 22.375H UNCASED COIL
1	EA	83950	EAU1P36B-50 15.5W X 19.5D X 22.375H UNCASED COIL
1	EA	83951	EAU1P48B-50 15.5W X 19.5D X 26.25H UNCASED COIL
1	EA	83952	EAU1P48C-50 20W X 19.5D X 26.25H UNCASED COIL
1	EA	83953	EAU1P49C-50 19.5W X 21.5D X 28.5H UNCASED COIL
1	EA	83954	EAU1P50/60C-50 20W X 19.5D X 25.875H UNCASED COIL
1	EA	83955	EAU1P60C-50 19.5W X 19.5D X 30.625H UNCASED COIL
1	EA	83956	EAU1P60D-50 23W X 19.5D X 28H UNCASED COIL

EU1P Uncased Coils

Upflow and Counterflow



EU1P18-48, 50



EU1P49, 60, 62

- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- One of the lowest water retention drain pans in the industry to minimize mold and mildew growth
- Two dual drain connections on front of coil for installation flexibility of drain lines around furnace vent and utility connections
- Orifice assembly designed for easy changing of orifice sizes and fast TXV connections
- 10 year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation

Model Number	A (In)	B (In)	C (In)	D (In)	E (In)	Orifice	Refrigerant Connections		Weight (Lbs)
							Liquid (In)	Vapor (In)	
EU1P23AN-1	13	19-1/2	17-3/16	12-1/2	4-1/2	.057	3/8	3/4	22
EU1P24AN-1	13	19-1/2	19-3/16	14-1/2	6	.057	3/8	3/4	22
EU1P24BN-1	15-1/2	19-1/2	18-3/4	14-1/2	6	.057	3/8	3/4	23
EU1P29AN-1	13	19-1/2	21-1/4	17-1/3	6-1/2	.065	3/8	3/4	24
EU1P29BN-1	15-1/2	19-1/2	21-1/4	17-1/4	6-1/2	.065	3/8	3/4	25
EU1P30AN-1	13	19-1/2	23-1/4	17-1/3	6-1/2	.065	3/8	3/4	26
EU1P30BN-1	15-1/2	19-1/2	23	17-1/3	6-1/2	.065	3/8	3/4	27
EU1P30CN-1	20	19-1/2	22-1/4	17-1/3	6-1/2	.065	3/8	3/4	29
EU1P36AN-1	13	19-1/2	23-3/8	17-1/3	6-1/2	.073	3/8	3/4	31
EU1P36BN-1	15-1/2	19-1/2	23-1/8	17-1/3	6-1/2	.073	3/8	3/4	33
EU1P36CN-1	20	19-1/2	22-1/2	17-1/3	4-1/2	.073	3/8	3/4	34
EU1P43BN-1	15-1/2	19-1/2	27-1/4	23-1/3	5-1/2	.076	3/8	7/8	43
EU1P43CN-1	20	19-1/2	26-3/4	23-1/3	5-1/2	.076	3/8	7/8	44
EU1P48BN-1	15-1/2	19-1/2	23-1/8	9-1/2	4-1/2	.082	3/8	7/8	33
EU1P48CN-1	20	19-1/2	22-1/2	9-1/2	4-1/2	.082	3/8	7/8	35
EU1P49CN-1	19-1/2	21-1/2	28-5/8	15	*3	.093	3/8	7/8	53
EU1P60DN-1	23	19-1/2	24	11-3/8	*3	.093	3/8	7/8	42
EU1P62CN-1	19-1/2	21-1/2	30-5/8	18-1/8	*3	.093	3/8	7/8	58
EU1P62DN-1	19-1/2	19-1/2	28-1/8	18-1/4	4-5/8	.093	3/8	7/8	48

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	60783	EU1P23AN-1 13W X 19.5D X 17.2H UNCASED COIL
1	EA	60467	EU1P24AN-1 13W X 19.5D X 19.2H UNCASED COIL
1	EA	60538	EU1P24BN-1 15.5W X 19.5D X 18.75H UNCASED COIL
1	EA	60825	EU1P29AN-1 13W X 19.5D X 21.25H UNCASED COIL
1	EA	84077	EU1P29BN-1 15.5W X 19.5D X 21.25H UNCASED COIL
1	EA	60468	EU1P30AN-1 13W X 19.5D X 23.25H UNCASED COIL
1	EA	60557	EU1P30BN-1 15.5W X 19.5D X 23H UNCASED COIL
1	EA	60579	EU1P30CN-1 20W X 19.5D X 22.25H UNCASED COIL
1	EA	60481	EU1P36AN-1 13W X 19.5D X 23.4H UNCASED COIL
1	EA	60483	EU1P36BN-1 15.5W X 19.5D X 23.13H UNCASED COIL
1	EA	60598	EU1P36CN-1 20W X 19.5D X 22.5H UNCASED COIL
1	EA	60828	EU1P43BN-1 15.5W X 19.5D X 27.25H UNCASED COIL
1	EA	60827	EU1P43CN-1 20W X 19.5D X 26.75H UNCASED COIL
1	EA	60490	EU1P48BN-1 15.5W X 19.5D X 23.2H UNCASED COIL
1	EA	60837	EU1P48CN-1 20W X 19.5D X 22.5H UNCASED COIL
1	EA	60841	EU1P49CN-1 19.5W X 21.5D X 28.6H UNCASED COIL
1	EA	60843	EU1P60DN-1 23W X 19.5D X 24H UNCASED COIL
1	EA	60493	EU1P62CN-1 19.5W X 21.5D X 30.2H UNCASED COIL
1	EA	60518	EU1P62DN-1 23W X 19.5D X 28.2H UNCASED COIL

HE Series Uncased Coils

Upflow or Downflow for Low Height Applications



- High-efficiency lanced fin design
- Pressure tested at 500 PSI, leak tested with helium, sealed with rubber plugs, then charged with dry air
- Liquid Line Refrig. Connections : 3/8" ODF
- Suction Line Refrig. Connections : 3/4" ODF
- Copper refrigerant connections for easy brazing
- Dual 3/4" FPT condensate drains on front-left and front-right side of drain pans
- UV resistant drain pans are molded of high temperature (450° F) engineered polymer.
- Microban® antimicrobial added to drain pan to inhibit the growth of mold and mildew.
- HydroTEC™ low water retention drain plan.
- 5-year warranty

AHRI Specifications

AHRI Number	OEM Name	Outdoor Model	Indoor Model	Metering Device	SEER	EER95F	Capacity
5749424	Armstrong	4SCU13**148T	H,A,DE35(1,2)48	Orifice	13.00	11.00	47000
5749429	Armstrong	4SCU13**160T	H,A,DE37(1,2)60	Orifice	13.00	10.50	56500
7984658	Armstrong	4SCU13LB136P-3	H,A,DE33(1,2)36	Orifice	13.00	10.00	33200
6462155	Armstrong	4SCU13LE118P-5	H,A,DE31(1,2)30	Orifice	13.00	11.00	17300
6323386	Armstrong	4SCU13LE124P-5	H,A,DE30(1,2)24	Orifice	13.00	11.00	22600
6462158	Armstrong	4SCU13LE124P-5	H,A,DE31(1,2)30	Orifice	13.00	11.00	22800
6462161	Armstrong	4SCU13LE130P-5	H,A,DE31(1,2)30	Orifice	13.00	10.50	28000
6462164	Armstrong	4SCU13LE136P-5	H,A,DE33(1,2)36	Orifice	13.00	10.00	33200
6956159	Armstrong	4SCU13LE142P-5	H,A,DE34(1,2)42	Orifice	13.00	10.00	39000
6956209	Armstrong	4SCU13LE160P-5	H,A,DE37(1,2)60	Orifice	13.00	10.00	55500
5685327	Ducane	4AC13*18P-7, 8	H,A,DE31(1,2)30	Orifice	13.00	11.00	17300
5685328	Ducane	4AC13*24P-7, 8	H,A,DE31(1,2)30	Orifice	13.00	11.00	22800
7570992	Ducane	4AC13*30P-7, 8	H,A,DE31(1,2)30	Orifice	13.00	11.00	28000
5696600	Ducane	4AC13*36P-7, 8	H,A,DE32(1,2)36	Orifice	13.00	11.00	34000
5598586	Ducane	4AC13*36P-7, 8	H,A,DE33(1,2)36	Orifice	13.00	11.00	34000
5598595	Ducane	4AC13*60P-7, 8	H,A,DE37(1,2)60	Orifice	13.00	10.50	55500

Prices Available on Request

Dimensions H x W x D (In)	Piston R-22	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
11 x 13 x 19-1/2	59	18	EA	83997	HE30224A130A0000 AP 13W X 19.5D X 11H UNCASED A-COIL
13 x 13 x 19-1/2	67	18	EA	83990	HE31230A130A0000 AP 13W X 19.5D X 13H UNCASED A-COIL
13 x 15-1/2 x 19-1/2	67	18	EA	83991	HE31230A155A0000 AP 15.5W X 19.5D X 13H UNCASED A-COIL
17 x 15-1/2 x 19-1/2	73	12	EA	83992	HE33236A155A0000 AP 15.5W X 19.5D X 17H UNCASED A-COIL
17 x 17 x 19-1/2	73	8	EA	83993	HE33236A170A0000 AP 17W X 19.5D X 17H UNCASED A-COIL
19 x 20 x 19-1/2	80	8	EA	83994	HE34242A200A0000 AP 20W X 19.5D X 19H UNCASED A-COIL
21 x 20 x 19-1/2	84	4	EA	83995	HE35248A200A0000 AP 20W X 19.5D X 21H UNCASED A-COIL
25 x 20 x 19-1/2	93	4	EA	83996	HE37260A200A0000 AP 20W X 19.5D X 25H UNCASED A-COIL

HH Series Slab Coils



- High-efficiency lanced fin design
- Air pressure tested at 500 psi, leak tested with helium, sealed with rubber plugs, then charged with dry air
- Copper distributor tube assembly provides brass to brass threads for trouble-free service of TXV
- Liquid Line Refrig. Connections: 3/8" ODF
- Suction Line Refrig. Connections: 7/8" ODF
- Coil cabinets fully lined with 5/8" foil-faced insulation
- TXV access port
- Microban® antimicrobial added to drain pan to inhibit the growth of mold and mildew
- UV resistant drain pans are molded of high temperature (450° F) engineered polymer
- 5-year warranty

Prices Available Upon Request

Dimensions H x W x D (In)	Supply/Return H x W (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
22-3/4 x 27 x 10	21-1/4 x 22-5/8	4	EA	83965	HH58136A225A2102 AP 27W X 10D X 22.75H 1.5-3 TON SLAB COIL
22-3/4 x 35 x 10	21-1/4 x 30-5/8	4	EA	83966	HH60160A305A2102 AP 35W X 10D X 22.75H 3.5 TON SLAB COIL
22-3/4 x 41 x 10	21-1/4 x 36-5/8	3	EA	83967	HH61160A365A2102 AP 41W X 10D X 22.75H 4-5 TON SLAB COIL

HE Series Cased Coils

Upflow or Downflow



- Coils are pressure tested at 500 PSI, leak tested with helium, sealed with rubber plugs, then charged with dry air.
- Piston options include externally accessible body for easy piston change out and/or TXV installation.
- Liquid line refrigerant connections are 3/8" ODF.
- Suction line refrigerant connections are 3/4" ODF or 7/8" ODF.
- Copper refrigerant connections for easy brazing.
- Dual 3/4" FPT condensate drains on front-left and front-right side of drain pans.
- UV resistant drain pans are molded of high temperature (450° F) engineered polymer.
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.
- HydroTEC™ low water retention drain plan.
- "No Hassle" 5-year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	84016	HE34936D145B2001 AP 14.5W X 21D X 20.5H CASED A-COIL	
4	EA	84019	HE36936D210B2501 AP 21W X 21D X 25.5H CASED A-COIL	

HE Series Uncased Coils

Upflow and Downflow



- "No Hassle" 5-year warranty.
- Coils are pressure tested at 500 PSI, leak tested with helium, sealed with rubber plugs, then charged with dry air.
- Piston options include externally accessible body for easy piston charge out and/or TXV installation.
- Liquid line refrigerant connections are 3/8" ODF.
- Suction line refrigerant connections are 3/4" ODF.
- Copper refrigerant connections for easy brazing.
- Upflow or downflow capable.
- Dual 3/4" FPT condensate drains on front-left and front-right side of drain pans.
- UV resistant drain pans are molded of high temperature (450° F) engineered polymer.
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.
- HydroTEC™ low water retention drain plan.
- TXV not included.

AHRI Specifications

AHRI Number	Equipment	Outdoor Model	Indoor Model	Metering Device	SEER	EER	Capacity
5946354	Armstrong	4SCU13LB118P-3	H,AE31(1,2)30	Orifice	13	11	17,300
5946355	Armstrong	4SCU13LB124P-3	H,AE31(1,2)30	Orifice	13	11	22,800
5946356	Armstrong	4SCU13LB130P-3	H,AE31(1,2)30	Orifice	13	10.5	28,000
5946357	Armstrong	4SCU13LB136P-3	H,AE33(1,2)36	Orifice	13	10	33,200
5946361	Armstrong	4SCU13LE118P-4	H,AE31(1,2)30	Orifice	13	11	17,300
5946362	Armstrong	4SCU13LE124P-4	H,AE31(1,2)30	Orifice	13	11	22,800
5938772	Armstrong	4SCU13LE130P-4	H,AE31(1,2)30	Orifice	13	10.5	28,000
5946363	Armstrong	4SCU13LE136P-4	H,AE33(1,2)36	Orifice	13	10	33,200
5759486	Ducane	4AC13*18P-7, 8	H,AE31(1,2)30	Orifice	13	11	17,300
5759487	Ducane	4AC13*24P-7, 8	H,AE31(1,2)30	Orifice	13	11	22,800
5673107	Ducane	4AC13*30P-7, 8	H,AE31(1,2)30	Orifice	13	11	28,000
5598586	Ducane	4AC13*36P-7, 8	H,AE33(1,2)36	Orifice	13	11	34,000

Dimensions H x W x D (In)	Piston R-22	Piston R-410A	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
13 x 13 x 19-1/2	67	59	18	EA	83990	HE31130A130A0000 AP 13W X 19.5D X 13H UNCASED A-COIL	
13 x 15-1/2 x 19-1/2	67	59	18	EA	83991	HE31130A155A0000 AP 15.5W X 19.5D X 13H UNCASED A-COIL	
17 x 15-1/2 x 19-1/2	73	67	12	EA	83992	HE33136A155A0000 AP 15.5W X 19.5D X 17H UNCASED A-COIL	
17 x 17 x 19-1/2	73	67	8	EA	83993	HE33136A170A0000 AP 17W X 19.5D X 17H UNCASED A-COIL	

4SHP20LX Heat Pumps

20 SEER, Louvered, Variable Capacity, ComfortSync™



Compressor

- Inverter-driven scroll compressor for true variable capacity
- Internally protected against high temperature motor overload conditions
- Heavy duty compressor sound blanket for quiet operation

Cabinet

- Individual metal louvered panels are easily removeable for coil cleaning and service
- Corner-mount controls for easy service
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grille

Coil

- Enhanced tube-and-fin coil design featuring MHT™ technology
- Raised coil prevents debris from impeding airlflow

Components

- Sensors monitor ambient, liquid line, and coil temperatures for precision control
- Fan orifice for smoother airflow and sound level reduction
- Requires Comfort Sync thermostat and a ComfortSync enabled matching indoor unit
- Variable speed condenser fan motor
- Factory installed high and low pressure switches and crankcase heater
- Charged for 15 feet of line set

Warranties†

- 10 year limited warranty on compressor
- 10 year limited warranty on all parts
- AHRI certified

† On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not complete on time. See warranty certificate for complete details

Heat Pumps

Prices Available Upon Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
37.5 x 37.5 x 35.75	1	EA	85416	4SHP20LX124P 20 SEER INVERTER COMMUNICATING HEAT PUMP
37.5 x 37.5 x 35.75	1	EA	85417	4SHP20LX136P 20 SEER INVERTER COMMUNICATING HEAT PUMP
37.5 x 37.5 x 35.75	1	EA	85418	4SHP20LX148P 20 SEER INVERTER COMMUNICATING HEAT PUMP
37.5 x 37.5 x 35.75	1	EA	85419	4SHP20LX160P 20 SEER INVERTER COMMUNICATING HEAT PUMP

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All 4SHP20LX	1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
All 4SHP20LX	1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR
All 4SHP20LX	1	EA	86919	88K38 DISCHARGE AIR SENSOR
3/8 Tubing	1	EA	86920	93G35 FREEZE THERMOSTAT
All 4SHP20LX	1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
4SHP20LX124	1	EA	67837	H4TXV01-1 R-410A EXPANSION VALVE
4SHP20LX136	1	EA	67838	H4TXV02-1 R-410A EXPANSION VALVE
4SHP20LX148, 160	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE

NOTE: Specialized training is required for dealers offering the 4SHP20LX.

4SHP20LX Heat Pump Performance Ratings

Indoor Model		Cooling				Heating					CFM		
Furnace	Evaporator Coil or Air Handler	SEER	EER	AHRI Rated Capacity	Sensible Capacity	HSPF	47°		17°		High	Med.	Low
							Btuh	COP	Btuh	COP			
4SCU20LX124P-1													
	BCE4M30S*	20.00	14.00	23,000	20,800	10.00	21,800	3.80	13,000	2.40	825	500	450
A80US2V070A12	E*1P36A+H4TXV01	18.50	13.50	23,000	20,800	9.50	21,800	3.65	13,000	2.35	800	530	450
A80US2V090B12	E*1P36B+H4TXV01	19.00	13.50	23,000	20,800	9.60	21,800	3.65	13,000	2.35	800	530	450
A96DS2V045B12	E*1P48B+H4TXV01	19.00	13.50	22,600	20,000	9.60	21,800	3.65	13,000	2.35	800	530	450
A96US2V045B12	E*1P36B+H4TXV01	18.50	13.50	23,000	20,800	9.60	21,800	3.65	13,000	2.35	800	530	450
A96US2V070B12	E*1P36B+H4TXV01	18.50	13.50	23,000	20,800	9.60	21,800	3.65	13,000	2.35	800	530	450
A97DSMV070B12	E*1P48B+H4TXV01	19.00	13.50	22,600	20,000	9.60	21,800	3.65	13,000	2.35	800	530	450
A97USMV070B12	E*1P36B+H4TXV01	18.50	13.50	23,000	20,800	9.60	21,800	3.65	13,000	2.35	800	530	450
4SCU20LX136P-1													
	BCE4M36S*	20.00	13.50	34,000	27,200	10.00	33,000	3.25	21,000	2.35	1200	630	450
A80US2V070A12	E*1P36A+H4TXV02	18.00	12.50	33,600	27,200	9.00	32,000	3.20	21,000	2.20	1200	630	450
A80US2V090B12	E*1P36B+H4TXV02	20.00	12.50	34,000	27,200	9.60	32,400	3.20	21,000	2.20	1200	630	450
A80US2V090B12	E*1P43B+H4TXV02	20.00	12.50	34,000	27,200	9.00	32,400	3.20	21,000	2.20	1200	630	450
A80US2V090B12	E*1P48B+H4TXV02	19.00	12.50	33,600	27,200	9.60	32,400	3.20	21,000	2.20	1200	630	450
A96US2V045B12	E*1P36B+H4TXV02	20.00	12.50	34,000	27,200	9.00	33,000	3.20	21,000	2.20	1200	630	450
A96US2V045B12	E*1P43B+H4TXV02	20.00	12.50	34,000	27,200	9.00	32,400	3.20	21,000	2.20	1200	630	450
A96US2V045B12	E*1P48B+H4TXV02	19.00	12.50	33,600	27,200	9.60	33,000	3.20	21,000	2.20	1200	630	450
A96US2V070B12	E*1P36B+H4TXV02	20.00	12.50	34,000	27,200	9.60	33,000	3.20	21,000	2.20	1200	630	450
A96US2V070B12	E*1P43B+H4TXV02	20.00	12.50	34,000	27,200	9.00	32,400	3.20	21,000	2.20	1200	630	450
A96US2V070B12	E*1P48B+H4TXV02	19.00	12.50	33,600	27,200	9.60	33,000	3.20	21,000	2.20	1200	630	450
A96US2V090C12	E*1P43C+H4TXV02	20.00	12.50	34,000	27,200	9.00	32,400	3.20	21,000	2.20	1200	630	450
A96US2V090C12	E*1P48C+H4TXV02	19.00	12.50	33,600	27,200	9.60	32,400	3.20	21,000	2.20	1200	630	450
A97USMV070B12	E*1P36B+H4TXV02	20.00	12.50	34,000	27,200	9.60	33,000	3.20	21,000	2.20	1200	630	450
A97USMV070B12	E*1P43B+H4TXV02	20.00	12.50	34,000	27,200	9.00	32,400	3.20	21,000	2.20	1200	630	450
A97USMV070B12	E*1P48B+H4TXV02	19.00	12.50	33,600	27,200	9.60	33,000	3.20	21,000	2.20	1200	630	450
A97USMV090C12	E*1P50C+H4TXV02	20.00	12.50	34,000	27,200	9.60	32,400	3.20	21,000	2.20	1200	630	450
A97USMV090C12	E*1P43C+H4TXV02	20.00	12.50	34,000	27,200	9.00	32,400	3.20	21,000	2.20	1200	630	450
A97USMV090C12	E*1P48C+H4TXV02	19.00	12.50	33,600	27,200	9.60	32,400	3.20	21,000	2.20	1200	630	450
4SCU20LX148P-1													
	BCE4M48S*	19.50	12.50	48,000	41,700	9.60	45,000	3.40	27,000	2.40	1615	915	745
A80US2V090C20	E*1P62C+H4TXV03	18.50	12.00	48,000	41,700	9.00	43,500	3.30	27,000	2.30	1600	900	750
A80US2V110C20	E*1P62C+H4TXV03	18.00	12.00	48,000	41,700	9.00	43,500	3.30	27,000	2.30	1600	900	750
A96US2V090C16	E*1P62C+H4TXV03	18.50	12.00	48,000	41,700	9.00	43,500	3.30	27,000	2.30	1600	900	750
A96US2V090C20	E*1P62C+H4TXV03	18.00	12.00	48,000	41,700	9.00	43,500	3.30	27,000	2.30	1600	900	750
A96US2V110C16	E*1P62C+H4TXV03	18.50	12.00	48,000	41,700	9.00	43,500	3.30	27,000	2.30	1600	900	750
A96US2V110C20	E*1P62C+H4TXV03	18.00	12.00	48,000	41,700	9.00	43,500	3.30	27,000	2.30	1600	900	750
A97USMV090C16	E*1P62C+H4TXV03	18.50	12.00	48,000	41,700	9.00	43,500	3.30	27,000	2.30	1600	900	750
A97USMV090C20	E*1P62C+H4TXV03	18.00	12.00	48,000	41,700	9.00	43,500	3.30	27,000	2.30	1600	900	750
A97USMV110C20	E*1P62C+H4TXV03	18.00	12.00	48,000	41,700	9.00	43,500	3.30	27,000	2.30	1600	900	750
4SCU20LX160P-1													
	BCE4M60S*	19.00	12.50	56,500	42,800	9.60	54,500	3.20	34,800	2.40	1800	1125	900
A80US2V090C20	E*1P62C+H4TXV03	18.50	12.00	57,500	42,800	9.60	54,000	3.20	34,800	2.20	1800	1125	900
A80US2V090C20	E*1P49C+H4TXV03	18.50	12.00	57,000	42,800	9.00	54,000	3.20	34,800	2.40	1800	1125	900
A80US2V110C20	E*1P62C+H4TXV03	18.50	12.00	57,500	42,800	9.60	54,000	3.20	34,800	2.40	1800	1125	900
A80US2V110C20	E*1P49C+H4TXV03	18.00	11.50	56,500	42,800	9.00	54,000	3.00	34,800	2.20	1800	1125	900
A80US2V135D20	E*1P62D+H4TXV03	19.00	12.50	58,000	42,800	9.60	53,000	3.00	34,800	2.20	1800	1125	900
A96US2V090C20	E*1P62C+H4TXV03	18.50	12.00	57,000	42,800	9.60	54,500	3.20	34,800	2.40	1800	1125	900
A96US2V090C20	E*1P49C+H4TXV03	18.00	11.50	56,500	42,800	9.00	54,000	3.20	34,800	2.40	1800	1125	900
A96US2V110C20	E*1P62C+H4TXV03	18.50	12.00	57,500	42,800	9.60	54,500	3.20	34,800	2.40	1800	1125	900
A96US2V110C20	E*1P49C+H4TXV03	18.00	11.50	56,500	42,800	9.00	54,000	3.20	34,800	2.40	1800	1125	900
A96US2V135D20	E*1P62D+H4TXV03	18.50	12.50	58,000	42,800	9.60	53,000	3.20	34,800	2.40	1800	1125	900
A97USMV090C20	E*1P62C+H4TXV03	18.50	12.00	57,000	42,800	9.60	54,500	3.20	34,800	2.40	1800	1125	900
A97USMV090C20	E*1P49C+H4TXV03	18.00	11.50	56,500	42,800	9.00	54,000	3.20	34,800	2.40	1800	1125	900
A97USMV110C20	E*1P62C+H4TXV03	18.50	12.00	57,500	42,800	9.60	54,500	3.00	34,800	2.20	1800	1125	900
A97USMV110C20	E*1P49C+H4TXV03	18.00	11.50	56,500	42,800	9.00	54,000	3.00	34,800	2.20	1800	1125	900
A97USMV135D20	E*1P62D+H4TXV03	18.50	12.50	58,000	42,800	9.60	53,000	3.20	34,800	2.40	1800	1125	900

4SHP18LS Enhanced Heat Pumps

18 SEER, R-410A, Split System



Compressor

- High-efficiency 2-stage Copeland UltraTech™ scroll compressor
- R-410A refrigerant
- Grommet-mounted compressor for quiet operation
- Heavy-duty compressor sound blanket for quiet operation

Cabinet

- Full metal louvered panel coil guard protection
- Controls located in corner post for easy installation and service
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC-coated wire fan discharge grille

Coil

- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components

- Bi-flow filter drier factory installed for system protection
- Variable speed condenser fan motor with swept-wing fan blade
- Self diagnostics save last 10 fault codes regardless of power interruption
- QuietShift™ technology during defrost cycle, to control sound

Warranties*

- 10 year limited warranty on compressor
- 10 year limited warranty on all parts
- ARI certified
- UL listed

*On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

4SHP18LS124P

Indoor Model		Cooling				Heating					CFM	Refrigerant Connection*		Refrig. Line Size*	Indoor Exp. Valve
Evaporator Coil or Air Handler	Furnace	SEER	EER	AHRI Rated Cap.	Sens. Cap.	HSPF	47°		17°			Outdoor Suction	Indoor Suction	Suction	TXV
							Btuh	COP	Btuh	COP					
E(U,C,H)1P49C	EFV16CC	17.0	13.0	24,000	18,500	9.0	22,000	4.0	13,000	2.60	900	7/8	7/8	7/8	H4TXV01
E(U,C,H)1P49C	95G2UH090CV12	16.5	13.0	24,000	18,500	8.5	22,000	4.0	13,000	2.60	900	7/8	7/8	7/8	H4TXV01

Heat Pumps

Prices Available on Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
44 x 37.66 x 35.66	1	EA	84693	4SHP18LS124P 18 SEER 208/230V 1PH HEAT PUMP COMMUNICATING

Accessories

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All 4SHP 18 Models	1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
All 4SHP 18 Models	1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR
All 4SHP 18 Models	1	EA	61702	45F08 T6-1469 COMPRESSOR LOW AMBIENT CUT-OFF
All 4SHP 18 Models	1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
4SHP18LS124, 36	1	EA	67837	H4TXV01-1 R-410A EXPANSION VALVE

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4SHP16LS Enhanced Heat Pumps

16 SEER, R-410A, Split System



Compressor

- High efficiency 2-stage scroll compressor
- R-410A refrigerant
- Grommet mounted for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation

Cabinet

- Full metal louvered jacket coil guard protection
- Controls located in corner post for easy installation and service
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grille

Coil

- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components

- Full metal jacket panels remove with just two screws per panel for easy coil cleaning and service
- Bi-directional filter drier for long-lasting durability and system protection
- Discharge muffler for quiet operation
- Reliable, solid-state, time-initiated, temperature-terminated defrost system

Warranties*

- 10 year limited warranty on compressor
- 10 year limited warranty on all parts
- ARI certified
- UL listed

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

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Heat Pumps

Prices Available on Request

Depth (In)	Width (In)	Height (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
26-3/4	24-3/4	33-3/4	1	EA	85476	4SHP16LS124P-3 16 SEER 208/230V 1PH HEAT PUMP COMMUNICATING
31-1/4	29-1/4	43-3/4	1	EA	85477	4SHP16LS136P-3 16 SEER 208/230V 1PH HEAT PUMP COMMUNICATING
37-3/4	35-3/4	37-3/4	1	EA	85478	4SHP16LS148P-3 16 SEER 208/230V 1PH HEAT PUMP COMMUNICATING
37-3/4	35-3/4	43-3/4	1	EA	85479	4SHP16LS160P-3 16 SEER 208/230V 1PH HEAT PUMP COMMUNICATING

Accessories

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All 4SHP16	1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
All 4SHP16	1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR
All 4SHP16	1	EA	60848	AFOSL500-1 FOSSIL FUEL KIT
All 4SHP16	1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
4SHP16LS136	1	EA	67837	H4TXV01-1 R-410A EXPANSION VALVE
4SHP16LS148	1	EA	67838	H4TXV02-1 R-410A EXPANSION VALVE
4SHP16LS160	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE

4SHP16LS Heat Pump Performance Ratings

Indoor Model		Cooling				Heating					CFM	Refrigerant Connection*		Refrig. Line Size*	Indoor Exp. Valve
Evaporator Coil or Air Handler	Furnace	SEER	EER	AHRI Rated Cap.	Sens. Cap.	HSPF	47°		17°			Outdoor Suction	Indoor Suction		TXV
							Btuh	COP	Btuh	COP					
4HP16LS124P															
BCS2M24V00NA1P		15.0	12.5	24,000	17,400	8.5	24,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P36B	EFV08BC	15.0	12.5	24,000	17,400	8.5	24,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,M,H)1P29B	EFV08BC	15.0	12.5	24,000	17,400	8.5	24,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P29A	80G1DF045AE12	14.5	12.0	24,000	17,400	8.5	22,600	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P36A	80G1DF045AE12	14.5	12.0	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P29B	80G1DF070BE12	14.0	12.0	24,000	17,400	8.5	22,600	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P36B	80G1DF070BE12	14.0	12.0	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P29A	80G1UH045AE12	14.5	12.0	24,000	17,400	8.5	22,600	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P36A	80G1UH045AE12	14.5	12.5	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P29B	80G1UH070BE12	14.0	12.0	24,000	17,400	8.5	22,600	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P36B	80G1UH070BE12	14.0	12.0	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P36B	80G2UH090BV16*	14.5	12.5	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,M,H)1P29B	80G2UH090BV16*	14.5	12.5	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P29B	95G2DF045BV12	14.5	12.5	24,000	17,400	8.5	22,600	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P36B	95G2DF045BV12	14.5	12.5	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P29B	95G1UH070BE12	14.0	12.0	24,000	17,400	8.5	22,600	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P36B	95G1UH070BE12	14.0	12.0	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P29B	95G2UH045BV12	14.5	12.5	24,000	17,400	8.5	22,600	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P36B	95G2UH045BV12	15.0	12.5	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P29B	95G2UH070BV12	15.0	12.5	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P36B	95G2UH070BV12	15.0	12.5	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
E(U,C,M,H)1P36C	95G2UH090CV12	15.0	12.5	24,000	17,400	8.5	22,000	3.3	14,000	2.40	850	3/4	3/4	3/4	H4TXV01
4HP16LS136P															
BCS2M36V00NA1P		15.0	12.5	35,000	25,400	8.5	36,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36B	EFV12BC	15.0	12.5	35,000	25,400	8.5	36,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43B	EFV12BC	15.0	12.5	35,000	25,400	8.5	36,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36B	80G1DF090BE16	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43B	80G1DF090BE16	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36B	80G1UH090BE16	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43B	80G1UH090BE16	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36B	80G2UH090BV16*	15.0	11.6	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36B	95G1DF070BE16	14.5	12.0	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43B	95G1DF070BE16	14.5	12.0	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36C	95G1DF090CE16	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43C	95G1DF090CE16	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36B	95G2DF045BV12	15.0	12.0	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43B	95G2DF045BV12	15.0	12.0	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36B	95G2DF070BV16	15.0	12.0	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43B	95G2DF070BV16	15.0	12.0	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36C	95G2DF090CV20	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43C	95G2DF090CV20	15.5	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36C	95G2DF110CV20	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43C	95G2DF110CV20	15.5	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36C	95G1UH090CE16	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43C	95G1UH090CE16	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36B	95G2UH045BV12	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43B	95G2UH045BV12	15.0	12.0	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36B	95G2UH070BV12	15.0	12.0	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43B	95G2UH070BV12	15.0	12.0	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36C	95G2UH090CV12	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43C	95G2UH090CV12	15.5	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P36C	95G2UH090CV20	15.0	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01
E(U,C,M,H)1P43C	95G2UH090CV20	15.5	12.5	35,000	25,400	8.5	35,000	3.3	22,000	2.40	1,310	7/8	7/8	7/8	H4TXV01

* All liquid lines an connections are 3/8".

Continued on the Following Page

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Indoor Model		Cooling				Heating					CFM	Refrigerant Connection*		Refrig. Line Size*	Indoor Exp. Valve TXV
Evaporator Coil or Air Handler	Furnace	SEER	EER	AHRI Rated Cap.	Sens. Cap.	HSPF	47°		17°			Outdoor Suction	Indoor Suction		
							Btuh	COP	Btuh	COP					
4HP16LS148P Continued															
BCS2M48V00NA1P		16.0	12.5	47,000	33,500	8.5	46,000	3.2	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P49C	EFV16CC	14.5	11.5	46,500	33,100	8.0	46,000	3.0	29,000	2.00	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P62C	EFV16CC	14.5	12.0	46,500	33,100	8.0	46,000	3.0	29,000	2.00	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P49C	80G1DF110CE20	14.0	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P62C	80G1DF110CE20	14.0	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P49C	80G1UH090CE20	14.5	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P62C	80G1UH090CE20	14.5	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P49C	80G1UH110CE20	14.5	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P62C	80G1UH110CE20	14.5	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P49C	80G2UH110CV20*	15.0	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P62C	80G2UH110CV20*	15.0	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P49C	95G1DF110CE20	14.0	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P62C	95G1DF110CE20	14.0	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P49C	95G2DF090CV20	14.5	11.5	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P62C	95G2DF090CV20	15.0	11.5	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P49C	95G2DF110CV20	15.0	11.5	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P62C	95G2DF110CV20	15.0	11.5	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P49C	95G1UH110CE20	14.0	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P62C	95G1UH110CE20	14.0	12.0	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P49C	95G2UH090CV20	15.0	11.5	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P62C	95G2UH090CV20	15.0	11.5	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P49C	95G2UH110CV20	15.0	11.5	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
E(U,C,H)1P62C	95G2UH110CV20	15.0	11.5	47,000	33,500	8.5	46,500	3.3	29,000	2.40	1,600	7/8	7/8	7/8	H4TXV02
4HP16LS160P															
BCS2M60V00NA1P		15.0	12.5	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62D	EFV20DC	14.5	11.5	59,000	43,000	8.0	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	80G1UH090CE20	14.5	11.0	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	80G1UH110CE20	14.5	11.0	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	80G2UH110CV20*	14.5	11.4	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62D	80G2UH135DV20*	14.7	11.4	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G1DF110CE20	14.0	11.0	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2DF090CV20	14.5	11.4	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2DF110CV20	15.0	11.4	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G1UH110CE20	14.0	11.0	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62D	95G1UH135DE20	14.0	11.0	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2UH090CV20	15.0	11.4	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2UH110CV20	15.0	11.4	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62D	95G2UH135DV20	15.0	11.4	59,000	43,000	8.5	59,000	3.3	35,000	2.40	1,920	7/8	7/8	1-1/8	H4TXV03

* All liquid lines and connections are 3/8"

4SHP15LE Enhanced Heat Pumps

15 SEER, R-410A, Split System



Compressor

- High-efficiency scroll compressor
- R-410A refrigerant
- Grommet-mounted compressor for quiet operation
- Heavy-duty compressor sound blanket for quiet operation

Cabinet

- Full metal louvered panel coil guard protection
- Controls located in corner post for easy installation and service
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC-coated wire fan discharge grille

Coil

- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components

- Full metal louvered panels remove with just two screws per panel for easy coil cleaning and service
- Bi-directional filter drier for long-lasting durability and system protection
- Discharge muffler for quiet operation
- Reliable, solid state, time-initiated temperature terminated defrost system
- Low pressure switch for loss of charge system protection
- Defrost control has short cycle protection to protect the compressor with field selectable 30/60/90 minute defrost cycle

Warranties*

- 10 year limited warranty on compressor
- 10 year limited warranty on all parts
- ARI certified
- UL listed

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Heat Pumps

Prices Available on Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
37-3/4 x 29-1/4 x 31-1/4	1	EA	84543	4SHP15LE118P 15 SEER 208/230V 1PH HEAT PUMP
37-3/4 x 29-1/4 x 31-1/4	1	EA	84544	4SHP15LE124P 15 SEER 208/230V 1PH HEAT PUMP
37-3/4 x 29-1/4 x 31-1/4	1	EA	84545	4SHP15LE130P 15 SEER 208/230V 1PH HEAT PUMP
33-3/4 x 29-1/4 x 31-1/4	1	EA	84546	4SHP15LE136P 15 SEER 208/230V 1PH HEAT PUMP
37.75 x 35.75 x 37.75	1	EA	84547	4SHP15LE142P 15 SEER 208/230V 1PH HEAT PUMP
37.75 x 35.75 x 37.75	1	EA	84548	4SHP15LE148P 15 SEER 208/230V 1PH HEAT PUMP
43.75 x 35.75 x 37.75	1	EA	84549	4SHP15LE160P 15 SEER 208/230V 1PH HEAT PUMP

Accessories

Used With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All SHP14 & 15 Models	1	EA	60848	AFOSL500-1 FOSSIL FUEL KIT
All SHP14 & 15 Models	1	EA	61702	45F08 T6-1469 COMPRESSOR LOW AMBIENT CUT-OFF
4SHP(14/15)LE118, 24, 30	1	EA	67837	H4TXV01-1 R-410A EXPANSION VALVE
4SHP(14/15)LE136, 42, 48	1	EA	67838	H4TXV02-1 R-410A EXPANSION VALVE
4SHP(14/15)LE160	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE

4SHP14LE Enhanced Heat Pumps

14 SEER, R-410A, Split System



Compressor

- High-efficiency scroll compressor
- R-410A refrigerant
- Grommet-mounted compressor for quiet operation
- Heavy-duty compressor sound blanket for quiet operation

Cabinet

- Full metal louvered panel coil guard protection
- Controls located in corner post for easy installation and service
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC-coated wire fan discharge grille

Coil

- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components

- Full metal louvered panels remove with just two screws per panel for easy coil cleaning and service
- Bi-directional filter drier for long-lasting durability and system protection
- Discharge muffler for quiet operation
- Reliable, solid state, time-initiated temperature terminated defrost system
- Low pressure switch for loss of charge system protection
- Defrost control has short cycle protection to protect the compressor with field selectable 30/60/90 minute defrost cycle

Warranties*

- 10 year limited warranty on compressor
- 10 year limited warranty on all parts
- ARI certified
- UL listed

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Heat Pumps

Prices Available on Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
37-3/4 x 29-1/4 x 31-1/4	1	EA	63556	4SHP14LE118P 14 SEER 208/230V 1PH HEAT PUMP R410A 1.443034
37-3/4 x 29-1/4 x 31-1/4	1	EA	63557	4SHP14LE124P 14 SEER 208/230V 1PH HEAT PUMP R410A 1.443035
37-3/4 x 29-1/4 x 31-1/4	1	EA	63561	4SHP14LE130P-6 14 SEER 208/230V 1PH HEAT PUMP R410A 1.443036
37.75 x 35.75 x 37.75	1	EA	63566	4SHP14LE142P 14 SEER 208/230V 1PH HEAT PUMP R410A 1.443038
37.75 x 35.75 x 37.75	1	EA	63574	4SHP14LE148P 14 SEER 208/230V 1PH HEAT PUMP R410A 1.443039
43.75 x 35.75 x 37.75	1	EA	63585	4SHP14LE160P 14 SEER 208/230V 1PH HEAT PUMP R410A 1.443040

Accessories

Used With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All SHP14 Models	1	EA	60848	AFOSL500-1 FOSSIL FUEL KIT
All SHP14 Models	1	EA	61702	45F08 T6-1469 LOW AMBIENT KIT
4SHP14LE118, 24, 30	1	EA	67837	H4TXV01-1 R-410A EXPANSION VALVE
4SHP14LE136, 42, 48	1	EA	67838	H4TXV02-1 R-410A EXPANSION VALVE
4SHP14LE160	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE

4SHP14LE Heat Pump Performance Ratings

with Evaporator Coil

Outdoor Model	Indoor Model	Cooling				Heating					CFM	Refrigerant Connection				Refrig. Line Size		Indoor Expansion Device	
							47°		17°			Outdoor		Indoor					
	Evap. Coil[3]	SEER	EER	AHRI Rated Capacity[1] BTUH	Sensible Capacity BTUH	HSPF	Btuh	COP	Btuh	COP		Suction	Liquid	Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SHP14L*118P-7	E*1P23A+H4TXV01	14.0	12.0	18,000	13,200	8.2	17,000	3.50	10,000	2.30	650	3/4	3/8	3/4	3/8	3/4	3/8	NA	H4TXV01
4SHP14L*124P-7	E*1P24(A,B)+H4TXV01+TDR	14.0	11.5	23,400	17,000	8.2	21,600	3.40	14,000	2.30	850	3/4	3/8	3/4	3/8	3/4	3/8		
	E*1P29(A,B)+H4TXV01+TDR	14.0	11.5	23,400	17,000	8.2	21,600	3.40	14,000	2.30	850	3/4	3/8	3/4	3/8	3/4	3/8		
4SHP14L*130P-7	E*1P43(B,C)+H4TXV02+TDR	14.0	11.5	28,000	20,300	8.2	25,000		15,000		1050	3/4	3/8	3/4	3/8	3/4	3/8		H4TXV02
4SHP14L*136P-7	E*1P43B+H4TXV02	14.0	12.0	34,000	25,100	8.2	33800	3.50	21,800	2.50	1250	7/8	3/8	3/4	3/8	7/8	3/8		
	E*1P49C+H4TXV02	14.0	12.0	34,000	25,100	8.2	33800	3.50	21,800	2.50	1250	7/8	3/8	7/8	3/8	7/8	3/8		
4SHP14L*142P-7	E*1P49C+H4TXV02+TDR	14.0	12.0	41000	30,200	8.2	40000	3.50	27,800	2.40	1400	7/8	3/8	7/8	3/8	7/8	3/8		
	E*1P62D+H4TXV02+TDR	14.0	12.0	41000	30,200	8.2	40000	3.50	28,800	2.40	1400	7/8	3/8	7/8	3/8	7/8	3/8		
4SHP14L*148P-7	E*1P49C+H4TXV02+TDR	14.0	12.0	47000	34,600	8.2	46000	3.40	29,600	2.50	1600	7/8	3/8	7/8	3/8	7/8	3/8		
	E*1P62D+H4TXV02+TDR	14.0	12.0	47000	34,600	8.2	46000	3.40	29,600	2.50	1600	7/8	3/8	7/8	3/8	7/8	3/8		
4SHP14L*160P-7	E*1P62C+H4TXV03+TDR	14.0	12.0	57000	42,100	8.2	55000	3.40	36,000	2.50	1900	7/8	3/8	7/8	3/8	1 1/8	3/8		H4TXV03
	E*1P62D+H4TXV03+TDR	14.0	12.0	57000	42,100	8.2	55000	3.40	36,000	2.50	1900	7/8	3/8	7/8	3/8	1 1/8	3/8		

4SHP14LB Heat Pumps

14 SEER, R-410A, Split System



Compressor

- High efficiency scroll compressor
- Grommet mounted compressor for quiet operation
- Protected against high temperature motor overload conditions

Cabinet

- Full metal louvered panel coil guard protection that is easily removed for coil cleaning
- Controls located in corner post for easy installation and service
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC-coated wire fan discharge grille
- External gauge ports for easy service
- Raised base pan with ports allows for water and debris drainage

Components

- Filter drier shipped loose for installation flexibility
- Discharge muffler for quiet operation
- High pressure switch
- Reliable, solid-state, time-initiated, temperature-terminated defrost system
- Low pressure switch for loss of charge protection
- Defrost control has short cycle protection to protect the compressor with field selectable 30/60/90 minute defrost cycle
- Defrost control is Quiet Shift™ capable

Warranties

- 10 year limited warranty on compressor
- 5 year limtied warranty on all parts
- 10 year warranty with registration of system
- Extended warranty available

Heat Pumps **Prices Available on Request**

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
37-3/4 x 29-1/4 x 31-1/4	1	EA	85917	4SHP14LB118P 14 SEER 208/230V 1PH HEAT PUMP
37-3/4 x 29-1/4 x 31-1/4	1	EA	85918	4SHP14LB124P 14 SEER 208/230V 1PH HEAT PUMP
37-3/4 x 29-1/4 x 31-1/4	1	EA	85919	4SHP14LB130P 14 SEER 208/230V 1PH HEAT PUMP
33-3/4 x 29-1/4 x 31-1/4	1	EA	85920	4SHP14LB136P 14 SEER 208/230V 1PH HEAT PUMP
37-3/4 x 37-3/4 x 35-3/4	1	EA	85921	4SHP14LB142P 14 SEER 208/230V 1PH HEAT PUMP
37-3/4 x 37-3/4 x 35-3/4	1	EA	85922	4SHP14LB148P 14 SEER 208/230V 1PH HEAT PUMP
43-3/4 x 35-3/4 x 37-3/4	1	EA	85923	4SHP14LB160P 14 SEER 208/230V 1PH HEAT PUMP

4SHP14LB Heat Pump Performance Ratings

with Evaporator Coil

Outdoor Model	Indoor Model	Cooling				Heating					CFM	Refrigerant Connection				Refrig. Line Size		Indoor Expansion Device	
	Evap. Coil[3]	SEER	EER	AHRI Rated Capacity[1] BTUH	Sensible Capacity BTUH	HSPF	47°		17°			Outdoor		Indoor					
							Btuh	COP	Btuh	COP		Suction	Liquid	Suction	Liquid	Suction	Liquid	Piston[2]	TXV
4SHP14L*118P-7	E*1P23A+H4TXV01	14.0	12.0	18,000	13,200	8.2	17,000	3.50	10,000	2.30	650	3/4	3/8	3/4	3/8	3/4	3/8	N/A	H4TXV01
4SHP14L*124P-7	E*1P24(A,B)+H4TXV01+TDR	14.0	11.5	23,400	17,000	8.2	21,600	3.40	14,000	2.30	850	3/4	3/8	3/4	3/8	3/4	3/8		
	E*1P29(A,B)+H4TXV01+TDR	14.0	11.5	23,400	17,000	8.2	21,600	3.40	14,000	2.30	850	3/4	3/8	3/4	3/8	3/4	3/8		
4SHP14L*130P-7	E*1P43(B,C)+H4TXV02+TDR	14.0	11.5	28,000	20,3000	8.2	25,000		15,000		1050	3/4	3/8	3/4	3/8	3/4	3/8		H4TXV02
4SHP14L*136P-7	E*1P43B+H4TXV02	14.0	12.0	34,000	25,100	8.2	33800	3.50	21,800	2.50	1250	7/8	3/8	3/4	3/8	7/8	3/8		
	E*1P49C+H4TXV02	14.0	12.0	34,000	25,100	8.2	33800	3.50	21,800	2.50	1250	7/8	3/8	7/8	3/8	7/8	3/8		
4SHP14L*142P-7	E*1P49C+H4TXV02+TDR	14.0	12.0	41000	30,200	8.2	40000	3.50	27,800	2.40	1400	7/8	3/8	7/8	3/8	7/8	3/8		
	E*1P62D+H4TXV02+TDR	14.0	12.0	41000	30,200	8.2	40000	3.50	28,800	2.40	1400	7/8	3/8	7/8	3/8	7/8	3/8		
4SHP14L*148P-7	E*1P49C+H4TXV02+TDR	14.0	12.0	47000	34,600	8.2	46000	3.40	29,600	2.50	1600	7/8	3/8	7/8	3/8	7/8	3/8		
	E*1P62D+H4TXV02+TDR	14.0	12.0	47000	34,600	8.2	46000	3.40	29,600	2.50	1600	7/8	3/8	7/8	3/8	7/8	3/8		
4SHP14L*160P-7	E*1P62C+H4TXV03+TDR	14.0	12.0	57000	42,100	8.2	55000	3.40	36,000	2.50	1900	7/8	3/8	7/8	3/8	1 1/8	3/8		H4TXV03
	E*1P62D+H4TXV03+TDR	14.0	12.0	57000	42,100	8.2	55000	3.40	36,000	2.50	1900	7/8	3/8	7/8	3/8	1 1/8	3/8		

Orifices for Heat Pumps

For SHP10A/B and SHP12A/B

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61095	10W95 R39332B055 .055 ORIFICE R39332B055	
1	EA	61097	98M13 R39332B070 .070 100484-19 ORIFICE R39332B070	
1	EA	61098	10W83 100484-17 .068 100484-17 KIT ORIFICE	
1	EA	61099	10W82 100484-11 .061 ORIFICE	
1	EA	61101	11W04 100484-26 .078 ORIFICE R39332B078	
1	EA	61102	11W01 100484-20 .071 ORIFICE	
1	EA	61103	97M77 100484-23 .074 ORIFICE	
1	EA	61104	11W11 100484-40 .093 ORIFICE R39332B093	
1	EA	61106	97M74 100484-06 .053 ORIFICE R39332B053	
1	EA	61107	10W99 100484-15 .065 ORIFICE R39332B065	
1	EA	61108	11W02 100484-22 .073 ORIFICE R39332B073	
1	EA	61109	97M78 100484-24 .076 ORIFICE R39332B076	
1	EA	61110	10W86 100484-28 .080 ORIFICE R39332B080	
1	EA	61111	10W87 100484-32 .084 ORIFICE R39332B084	

4SHP13LB Split System Heat Pumps

13 SEER, R-410A



Compressor

- High efficiency scroll compressor
- Grommet mounted compressor for quiet operation
- Protected against high temperature motor overload conditions

Cabinet

- Full metal louvered panel coil guard protection that is easily removed for coil cleaning
- Controls located in corner post for easy installation and service
- Baked polyester paint finish over galvanized steel for maximum durability
- Stamped, one-piece top
- External gauge ports for easy service
- External base pan with ports allows for water and debris drainage

Components

- Bi-directional filter drier shipped loose for installation flexibility
- Discharge muffler for quiet operation
- High pressure switch
- Reliable, solid-state, time-initiated, temperature-terminated defrost system
- Low pressure switch for loss of charge protection
- Defrost control has short cycle protection to protect the compressor with field selectable 30/60/90 minute defrost cycle
- Defrost control is Quiet Shift™ capable

Warranties*

- 10 year limited warranty on compressor
- 10 year limited warranty on all parts

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Cooling Performance with Evaporator Coils

Indoor Model	Cooling				Heating					CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
						47		17			Outdoor		Indoor					
	SEER	EER	ARI Rated Capacity BTUH	Sensible Capacity BTUH	HSPF	BTUH	COP	BTUH	COP		Suct	Liq	Suct	Liq	Suct	Liq	Piston[2]	TX
Outdoor Model: 4SHP13LB136P-2																		
E*1P30(B,C)	13.0	11.0	34,600	24,900	7.7	33,000	3.4	18,000	2.2	1275	3/4	3/8	3/4	3/8	3/4	3/8	0.071	H4TXV01
E*1P36(B,C)	13.0	11.0	34,600	24,900	7.7	33,000	3.4	18,000	2.2	1275	3/4	3/8	3/4	3/8	3/4	3/8	0.071	H4TXV01
Outdoor Model: 4SHP13LB 148P-2																		
E*1P50C	13.0	11.0	48,000	34,600	7.7	44,500	3.2	28,000	2.4	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.08	H4TXV02
Outdoor Model: 4SHP13LB160P-2																		
E*1P49(B,C)	13.0	11.0	57,000	41,200	7.7	55,000	3.3	34,000	2.3	1850	7/8	3/8	7/8	3/8	1-1/8	3/8	NA	H4TXV02
E*1P62C	13.0	11.0	57,000	41,200	7.7	55,000	3.3	34,000	2.3	1850	7/8	3/8	7/8	3/8	1-1/8	3/8	NA	H4TXV02
E*1P62D	13.0	11.0	57,000	41,200	7.7	55,000	3.3	34,000	2.3	1850	7/8	3/8	7/8	3/8	1-1/8	3/8	NA	H4TXV02

1 Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240.

2 Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.

Heat Pumps

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
37-3/4 x 29.38 x 31-1/4	1	EA	84680	4SHP13LB136P-2 13 SEER 208/230V 1PH R-410A HEAT PUMP
33-3/4 x 29.38 x 31-1/4	1	EA	84682	4SHP13LB148P-2 13 SEER 208/230V 1PH R-410A HEAT PUMP
37-3/4 x 29.38 x 31-1/4	1	EA	84683	4SHP13LB160P-2 13 SEER 208/230V 1PH R-410A HEAT PUMP

BCE4 Variable Speed, Enhanced Air Handlers



Application
- 2 to 5 tons
- Upflow, horizontal, and downflow capable
- Sequenced for demand management
- External access to heater circuit breakers

Installation
- Shipped in one piece, but may be disassembled into two seperate pieces for ease of installation
- Multiposition - Factory ready for upflow, downflow, horizontal left/right applications
- No external screw heads on the sides to insure a tight fit.

Cabinet
- Thick fiberglass insulation
- Filter rack built into every air handler
- Microban antimicrobial drain pans protect from mold, mildew, and other harmful microbes
- Thick rubber gaskets between each section insure tight seal

Components
- Efficient ECM variable speed motors
- Field-installed 5–20 kW electric heat kits with easy plug connections
- Built-in indoor time delay
- Sleeves on distributor tubing for protection

Controls
- Communicating control enabled
- Thermostat flexibility: works with Comfort T-Stat or a conventional 24V T-Stat
- Self diagnostics saves last 10 fault codes regardless of power interruption

Warranty
- 10 year limited parts warranty when applied with a system

Specifications

Model No.	Voltage/ Hz/Phase	Max. Elec. Heat Available (kW)	Transformer Size	Filter Size (In.)	Refrigerant Connections (IDS)		Metering Device	Weight (Lbs)
					Suction (In)	Liquid (In)		
BCE4M24	208-230/60/1	9	70 VA	15 x 20	5/8	3/8	TXV	126
BCE4M30	208-230/60/1	15	70 VA	20 x 20	3/4	3/8	TXV	152
BCE4M36	208-230/60/1	20	70 VA	20 x 20	3/4	3/8	TXV	160
BCE4M48	208-230/60/1	20	70 VA	20 x 24	7/8	3/8	TXV	201
BCE4M60	208-230/60/1	20	70 VA	20 x 24	7/8	3/8	TXV	201

Dimensions

Model No.	Height (In)	Depth (In)	Width (In)	Supply Duct Opening (In)		Return Duct Opening (In)	
				Depth	Width	Depth	Width
BCE4M24	45-1/4	20-5/8	16-1/4	16-1/4	14-3/4	19	15
BCE4M30	49-1/4	20-5/8	21-1/4	21-1/4	19-3/4	19	20
BCE4M36	51	22-5/8	21-1/4	21-1/4	19-3/4	21	20
BCE4M48-60	58-1/2	24-7/8	21-1/4	21-1/4	19-3/4	23	20

Air Handlers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85645	BCE4M24S00NA4X 2T MULTI-POSITION AIR HANDLER COMMUNICATING
1	EA	85646	BCE4M30S00NA4X 2.5T MULTI-POSITION AIR HANDLER COMMUNICATING
1	EA	85647	BCE4M36S00NA4X 3T MULTI-POSITION AIR HANDLER COMMUNICATING
1	EA	85648	BCE4M48S00NA4X 4T MULTI-POSITION AIR HANDLER COMMUNICATING
1	EA	85649	BCE4M60S00NA4X 5T MULTI-POSITION AIR HANDLER COMMUNICATING

Accessories

1	EA	84643	1.851399 COMFORTSYNC ZONING PANEL
1	EA	84644	1.851400 COMFORTSYNC ZONING SENSOR
1	EA	84623	COMFORTSYNC WI-FI COMMUNICATING THERMOSTAT
1	EA	85656	AEHK05CB-1 5KW ELECTRIC HEATER W/BREAKER
1	EA	85657	AEHK09CB-1 9KW ELECTRIC HEATER W/BREAKER
1	EA	85658	AEHK15CB-1 15KW ELECTRIC HEATER W/BREAKER
1	EA	85659	AEHK20CB-1 20KW ELECTRIC HEATER W/BREAKER

BCE3E Multiposition Enhanced Air Handlers

2 to 5 Ton, Constant Torque Blower Motor



Application and Installation

- Sequenced for demand management
- External access to heater circuit breakers
- 1 piece design for easier installation
- Multiposition: upflow/horizontal left/right
- Approved for installation in manufactured housing and mobile homes.

Cabinet

- Foil faced insulation
- Painted, heavy-gauge galvanized cabinet
- Filter rack built into every unit.
- High-strength, UV- and heat-resistant plastic drain pan with Microban antimicrobial built in

Components

- Constant torque blower motor
- Standard transformer and blower relay
- Field-installed 2.5–20 kW electric heat kits
- Built-in indoor time delay
- Protective sleeves on distributor tubing

Accessories

- Single point power kit

Warranties

- 10-year limited parts warranty*
- ETL and AHRI certified

*On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Specifications

Model No.	Volts/Hz/ Phase	Max. Elec. Heat Available (kW)	Transformer Size & Type	Filter Size (In)	Refrigerant Connection (IDS)		Installed TXV Size	Weight (Lbs)
					Suction (In)	Liquid (In)		
BCE3M24	208-230/60/1	10	40 VA, Class 2	15 x 20	3/4	3/8	H4TXV01	122
BCE3M30	208-230/60/1	15	40 VA, Class 2	15 x 20	3/4	3/8	H4TXV01	125
BCE3M36	208-230/60/1	15	40 VA, Class 2	18 x 20	7/8	3/8	H4TXV02	160
BCE3M42	208-230/60/1	15	40 VA, Class 2	18 x 24	7/8	3/8	H4TXV03	162
BCE3M48	208-230/60/1	20	40 VA, Class 2	18 x 24	7/8	3/8	H4TXV03	185
BCE3M60	208-230/60/1	20	40 VA, Class 2	18 x 24	7/8	3/8	H4TXV03	185

Dimensions

Air Handler	Height (In)	Depth (In)	Width (In)	Supply Duct Opening (In)		Return Duct Opening (In)	
				Depth	Width	Depth	Width
BCE3M24E	40-1/2	22	18-1/2	14-1/2	16-1/2	20-3/8	16-1/4
BCE3M30E	43	22	18-1/2	14 -1/2	16-1/2	20-3/8	16-1/4
BCE3M36E	48	22	21-7/8	14 -1/2	19-7/8	20-3/8	19-5/8
BCE3M42E	48	26-1/4	21-7/8	18 -3/4	19-7/8	24-5/8	19-5/8
BCE3M48E	52-1/2	26 -1/4	21-7/8	18 -3/4	19-7/8	24-5/8	19-5/8
BCE3M60E	52-1/2	26 -1/4	21-7/8	18 -3/4	19-7/8	24-5/8	19-5/8

Air Handlers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85394	BCE3M24E00NA4X-2 2T CONSTANT TORQUE MULTI-POSITION AIR HANDLER
1	EA	85395	BCE3M30E00NA4X-2 2.5T CONSTANT TORQUE MULTI-POSITION AIR HANDLER
1	EA	85396	BCE3M36E00NA4X-2 3T CONSTANT TORQUE MULTI-POSITION AIR HANDLER
1	EA	85397	BCE3M42E00NA4X-2 3.5T CONSTANT TORQUE MULTI-POSITION AIR HANDLER
1	EA	85398	BCE3M48E00NA4X-2 4T CONSTANT TORQUE MULTI-POSITION AIR HANDLER
1	EA	85399	BCE3M60E00NA4X-2 5T CONSTANT TORQUE MULTI-POSITION AIR HANDLER

Accessories

1	EA	84038	96W37 BC3M18 AIR HANDLER DOWNFLOW CONVERSION KIT
1	EA	84039	96W38 BC3M24-30 AIR HANDLER DOWNFLOW CONVERSION KIT
1	EA	84022	97W95 BC3M36 AIR HANDLER DOWNFLOW CONVERSION KIT
1	EA	84023	97W96 BC3M42-60 AIR HANDLER DOWNFLOW CONVERSION KIT

Electric Heat Kits

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All BCE3C Models	1	EA	84033	ECB25-5CB-P 5KW (89W44) HEAT STRIP W/CIRCUIT BREAKER
All BCE3C Models	1	EA	84034	ECB25-7CB-P 7.5KW(89W46) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 24, 30, 36, 42, 48, 60	1	EA	84035	ECB25-10CB-P 10KW (89W48) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 30, 36, 42, 48, 60	1	EA	84024	ECB25-12.5CB-P 12.5KW (89W49) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 30, 36, 42, 48, 60	1	EA	84036	ECB25-15CB-P 15KW (10T14) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 48, 60	1	EA	84037	ECB25-20CB-P 20KW (10T35) HEAT STRIP W/CIRCUIT BREAKER

BCS2 Variable Speed, Multiposition Air Handlers

Comfort Sync—Communicating Enabled



Application
- 2 to 5 ton sizes
- Upflow and horizontal
- Sequenced for demand management
- External access to heater circuit breakers

Installation
- 1 piece design for easier installation
- Multiposition: upflow, horizontal left, and horizontal right

Cabinet
- Foil faced insulation
- Painted heavy gauge galvanized cabinet
- Filter rack built into every air handler
- High strength, UV and heat-resistant plastic drain pan for corrosion resistance
- Microban® anti-microbial built into drain pan to resist mold and mildew growth and fouling of the drain
- 2% or less air leakage

Components
- ECM variable speed blower motor
- Standard transformer and blower relay
- Field installed 5 to 20 kW electric heat kits with easy plug connections
- Built-in indoor time delay for increased efficiency
- Sleeves on distributor tubing to protect tubing

Accessories
- Counterflow kit
- Single point power kit

Warranties
- 10 year limited warranty on parts*
- Extended warranty available
- ETL certified
- UL listed
- AHRI certified

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/ Hz/Phase	Max. Elec. Heat Available (kW)	Transformer Size and Type	Filter Size (In.)	Refrigerant Connections (IDS)		Flowrator Piston Size	Weight (Lbs.)
					Suction (In.)	Liquid (In.)		
BCS2M36	208-230/60/1	15	40 VA, Class 2	18 x 20	7/8	3/8	.070	146
BCS2M42	208-230/60/1	15	40 VA, Class 2	18 x 25	7/8	3/8	.076	170
BCS2M60	208-230/60/1	20	40 VA, Class 2	18 x 25	7/8	3/8	.090	189

Dimensions (In.)

Air Handler	Height (In.)	Depth (In.)	Width (In.)	Supply Duct Opening (In.)		Return Duct Opening (In.)	
				Depth	Width	Depth	Width
BCS2M24	46-3/4	22	18-1/2	17	16-1/2	20-1/4	16
BCS2M36	51	22	21-1/4	17	19-1/4	20-1/4	18-3/4
BCS2M42-48	54	26	21-1/4	21	19-1/4	24-1/4	18-3/4
BCS2M60	60	26	21-1/4	21	19-1/4	24-1/4	18-3/4

Communicating Air Handlers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84685	BCS2M36S00NA1P 3T MULTI-POSITION AIR HANDLER COMMUNICATING
1	EA	84686	BCS2M42S00NA1P 3.5T MULTI-POSITION AIR HANDLER COMMUNICATING
1	EA	84688	BCS2M60S00NA1P 5T MULTI-POSITION AIR HANDLER COMMUNICATING

Accessories

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
BCS2 24, 36, 42, 48, 60	1	EA	61199	12W61 CB26 DOWNFLOW CONVERSION KIT	
BCS2 24, 36, 42, 48, 60; EFC/V 08, 12	1	EA	69166	AEHBCC05CSA 5KW HEAT STRIP W/CIRCUIT BREAKER	
BCS2 24, 36, 42, 48, 60; EFC/V 08, 12	1	EA	69178	AEHBCC07CSA 7.5KW HEAT STRIP W/CIRCUIT BREAKER	
All BCS2, EFC and EFV Models	1	EA	66907	AEHBCC10CSA-1 10KW HEAT STRIP W/CIRCUIT BREAKER	
All BCS2, EFC and EFV Models	1	EA	69106	AEHBCC10NSA-1 10KW HEAT STRIP W/TERMINAL BLOCK	
BCS2 36, 42, 48, 60; EFC/V 12, 16, 20	1	EA	69107	AEHBCC15CSA-1 15KW HEAT STRIP W/CIRCUIT BREAKER	
BCS2 48, 60; EFC/V 16, 20	1	EA	69108	AEHBCC20CSA-1 20KW HEAT STRIP W/CIRCUIT BREAKER	

BCE3C Multiposition Air Handlers

1.5 to 5 Ton, PSC Blower Motor



Application and Installation

- Sequenced for demand management
- External access to heater circuit breakers
- 1 piece design for easier installation
- Multiposition: upflow/horizontal left/right
- Slide-out blower assembly

Cabinet

- Foil faced insulation
- Painted, heavy-gauge galvanized cabinet
- Easy access to the filter and filter rack every
- High-strength, UV- and heat-resistant plastic drain pan with Microban

Components

- Efficient PSC blower motors
- Standard transformer and blower relay
- Field-installed 2.5–20 kW electric heat kits
- Built-in indoor time delay
- Sleeves on distributor tubing to protect tubing

Accessories

- Counterflow kit and single point power kit

Warranties

- 10-year limited parts warranty*
- ETL and AHRI certified

*On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Specifications

Model No.	Volts/Hz/ Phase	Max. Elec. Heat Available (kW)	Transformer Size & Type	Filter Size (In)	Refrigerant Connection (IDS)		Florator Piston Size	Weight (Lbs)
					Suction (In)	Liquid (In)		
BCE3C18	208-230/60/1	10	40 VA, Class 2	12 x 20	3/4	3/8	.053	104
BCE3C24	208-230/60/1	10	40 VA, Class 2	15 x 20	7/8	3/8	.057	122
BCE3C30	208-230/60/1	12.5	40 VA, Class 2	15 x 20	7/8	3/8	.062	125
BCE3C36	208-230/60/1	15	40 VA, Class 2	18 x 20	7/8	3/8	.071	160
BCE3C42	208-230/60/1	15	40 VA, Class 2	18 x 24	7/8	3/8	.076	162
BCE3C48	208-230/60/1	20	40 VA, Class 2	18 x 24	7/8	3/8	.080	185
BCE3C60	208-230/60/1	20	40 VA, Class 2	18 x 24	7/8	3/8	.093	185

Dimensions

Air Handler	Height (In)	Depth (In)	Width (In)	Supply Duct Opening (In)		Return Duct Opening (In)	
				Depth	Width	Depth	Width
BCE3C18	38	22	15	17	13	20-3/4	12-1/2
BCE3C24	40-1/2	22	18-1/2	17	16-1/2	20-3/4	16
BCE3C30	43	22	18-1/2	17	16-1/2	20-3/4	16
BCE3C36	48	22	21-7/8	17	19-7/8	20-3/4	19-3/8
BCE3C42	48	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCE3C48	52-1/2	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCE3C60	52-1/2	26	21-7/8	21	19-7/8	24-3/4	19-3/8

Air Handlers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84352	BCE3M18C00NA1P 1.5T MULTI-POSITION AIR HANDLER
1	EA	84353	BCE3M24C00NA1P 2T MULTI-POSITION AIR HANDLER
1	EA	84354	BCE3M30C00NA1P 2.5T MULTI-POSITION AIR HANDLER
1	EA	84355	BCE3M36C00NA1P 3T MULTI-POSITION AIR HANDLER
1	EA	84356	BCE3M42C00NA1P 3.5T MULTI-POSITION AIR HANDLER
1	EA	84357	BCE3M48C00NA1P 4T MULTI-POSITION AIR HANDLER
1	EA	84358	BCE3M60C00NA1P 5T MULTI-POSITION AIR HANDLER

Accessories

1	EA	84038	96W37 BC3M18 AIR HANDLER DOWNFLOW CONVERSION KIT
1	EA	84039	96W38 BC3M24-30 AIR HANDLER DOWNFLOW CONVERSION KIT
1	EA	84022	97W95 BC3M36 AIR HANDLER DOWNFLOW CONVERSION KIT
1	EA	84023	97W96 BC3M42-60 AIR HANDLER DOWNFLOW CONVERSION KIT

Electric Heat Kits

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All BCE3C Models	1	EA	84033	ECB25-5CB-P 5KW (89W44) HEAT STRIP W/CIRCUIT BREAKER
All BCE3C Models	1	EA	84034	ECB25-7CB-P 7.5KW(89W46) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 24, 30, 36, 42, 48, 60	1	EA	84035	ECB25-10CB-P 10KW (89W48) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 30, 36, 42, 48, 60	1	EA	84024	ECB25-12.5CB-P 12.5KW (89W49) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 30, 36, 42, 48, 60	1	EA	84036	ECB25-15CB-P 15KW (10T14) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 48, 60	1	EA	84037	ECB25-20CB-P 20KW (10T35) HEAT STRIP W/CIRCUIT BREAKER

BCE3C Multiposition Air Handlers

1.5 to 5 Ton, PSC Blower Motor



Application
- 1-1/2 to 5 ton sizes
- Upflow and horizontal
- Sequenced for demand management
- External access to heater circuit breakers

Installation
- 1 piece design for easier installation
- Multiposition: upflow/horizontal left/right
- Slide-out blower assembly
- Approved for use in manufactured housing and mobile homes

Cabinet
- Foil faced insulation
- Painted, heavy-gauge galvanized cabinet
- Filter rack built into every air handler
- High-strength, UV- and heat-resistant plastic drain pan has Microban® antimicrobial built in
- 2% or less air leakage

Components
- Efficient PSC blower motors
- Standard transformer and blower relay
- Field-installed 2.5–20 kW electric heat kits with easy plug connections
- Built-in indoor time delay
- Protective sleeves on distributor tubing

Accessories
- Single point power kit
- Counterflow kit

Warranties
- 10-year limited parts warranty available when applied with a system*
- ETL certified
- AHRI certified

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Specifications

Model No.	Volts/Hz/ Phase	Max. Elec. Heat Available (kW)	Transformer Size & Type	Filter Size (In)	Refrigerant Connection (IDS)		Florator Piston Size	Weight (Lbs)
					Suction (In)	Liquid (In)		
BCE3C18C	208-230/60/1	7.5	40 VA, Class 2	12 x 20	3/4	3/8	.053	104
BCE3C24C	208-230/60/1	10	40 VA, Class 2	15 x 20	3/4	3/8	.057	122
BCE3C30C	208-230/60/1	15	40 VA, Class 2	15 x 20	3/4	3/8	.062	125
BCE3C36C	208-230/60/1	15	40 VA, Class 2	18 x 20	7/8	3/8	.071	160
BCE3C42C	208-230/60/1	15	40 VA, Class 2	18 x 24	7/8	3/8	.076	162
BCE3C48C	208-230/60/1	20	40 VA, Class 2	18 x 24	7/8	3/8	.080	185
BCE3C60C	208-230/60/1	20	40 VA, Class 2	18 x 24	7/8	3/8	.093	185

Dimensions

Air Handler	Height (In)	Depth (In)	Width (In)	Supply Duct Opening (In)		Return Duct Opening (In)	
				Depth	Width	Depth	Width
BCE3C18C	38	22	15	13	14-1/2	20-3/8	12-3/4
BCE3C24C	40-1/2	22	18-1/2	16-1/2	14-1/2	20-3/8	16-1/4
BCE3C30C	43	22	18-1/2	16-1/2	14-1/2	20-3/8	16-1/4
BCE3C36C	52-1/2	22	21-7/8	19-7/8	14-1/2	20-3/8	19-5/8
BCE3C42C	48	26-1/4	21-7/8	19-7/8	18-3/4	24-5/8	19-5/8
BCE3C48C	52-1/2	26-1/4	21-7/8	19-7/8	18-3/4	24-5/8	19-5/8
BCE3C60C	52-1/2	26-1/4	21-7/8	19-7/8	18-3/4	24-5/8	19-5/8

Air Handlers

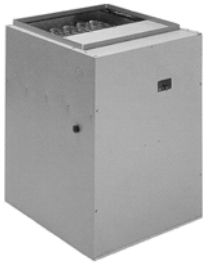
Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85427	BCE3M18C00NA4X-2 1.5T MULTI-POSITION AIR HANDLER
1	EA	85428	BCE3M24C00NA4X-2 2T MULTI-POSITION AIR HANDLER
1	EA	85429	BCE3M30C00NA4X-2 2.5T MULTI-POSITION AIR HANDLER
1	EA	85430	BCE3M36C00NA4X-2 3T MULTI-POSITION AIR HANDLER
1	EA	85431	BCE3M42C00NA4X-2 3.5T MULTI-POSITION AIR HANDLER
1	EA	85432	BCE3M48C00NA4X-2 4T MULTI-POSITION AIR HANDLER
1	EA	85433	BCE3M60C00NA4X-2 5T MULTI-POSITION AIR HANDLER

Electric Heat Kits

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All BCE3C Models	1	EA	84033	ECB25-5CB-P 5KW (89W44) HEAT STRIP W/CIRCUIT BREAKER
All BCE3C Models	1	EA	84034	ECB25-7CB-P 7.5KW(89W46) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 24, 30, 36, 42, 48, 60	1	EA	84035	ECB25-10CB-P 10KW (89W48) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 30, 36, 42, 48, 60	1	EA	84024	ECB25-12.5CB-P 12.5KW (89W49) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 30, 36, 42, 48, 60	1	EA	84036	ECB25-15CB-P 15KW (10T14) HEAT STRIP W/CIRCUIT BREAKER
BCE3C 48, 60	1	EA	84037	ECB25-20CB-P 20KW (10T35) HEAT STRIP W/CIRCUIT BREAKER

EFC/EFV Modular Air Handlers



Application
- 1-1/2 to 5 ton sizes
- Upflow, counterflow, and horizontal positions

Cabinet
- Cabinet dimensions match standard furnace widths
- Painted galvanized cabinet

Components
- EFC models feature PSC motors
- EFV models feature ECM variable speed motors
- Field installed 5–20 kW heat strips
- Factory installed fan relays for non-heat strip installations

Warranties
- 10 year limited warranty on parts when applied with a system*
- Extended warranty available
- ETL certified

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completerd on time. See warranty certificate for complete details.

EFC Modular Air Handlers, Constant Speed

Model No.	CFM@ 0.3" ESP High/Med/Low	Electric Heat (kW)	Voltage	Dimensions H x W x D (In)	Ship Weight (Lbs)
EFC08BC	950//830/590	10	208-230	25 x 17-1/2 x 21	78
EFC12BC	1330/1250/1060	15	208-230	25 x 17-1/2 x 21	85
EFC16CC	16640/1590/1440	15	208-230	26 x 21 x 21	96
EFC20DC	2040/1910/1550	20	208-230	26 x 24-1/2 x 21	104

EFV Modular Air Handlers, Variable Speed

Model No.	CFM@ 0.3" ESP*	Electric Heat (kW)	Voltage	Dimensions H x W x D (In)	Ship Weight (Lbs)
EFV08BC	310–970	5, 7-1/2, 10	208-230	25 x 17-1/2 x 21	79
EFV12BC	440–1210	5, 7-1/2, 10, 15	208-230	25 x 17-1/2 x 21	86
EFV16CC	390–1640	10, 15, 20	208-230	26 x 21 x 21	97
EFV20DC	580–1810	10, 15, 20	208-230	26 x 24-1/2 x 21	105

Air Handlers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	65524	EFC08BCP-1A 208/230 1PH CONSTANT SPD MODULAR AIR HANDLER
1	EA	65525	EFC12BCP-1A 208/230 1PH CONSTANT SPD MODULAR AIR HANDLER
1	EA	65526	EFC16CCP-1A 208/230 1PH CONSTANT SPD MODULAR AIR HANDLER
1	EA	65529	EFC20DCP-1A 208/230 1PH CONSTANT SPD MODULAR AIR HANDLER
1	EA	84078	EFV08BCP-1A 208/230 1PH VARIABLE SPD MODULAR AIR HANDLER
1	EA	65530	EFV12BCP-1A 208/230 1PH VARIABLE SPD MODULAR AIR HANDLER
1	EA	65531	EFV16CCP-1A 208/230 1PH VARIABLE SPD MODULAR AIR HANDLER
1	EA	65532	EFV20DCP-1A 208/230 1PH VARIABLE SPD MODULAR AIR HANDLER

Accessories

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
BCS2 24, 36, 42, 48, 60	1	EA	61199	12W61 CB26 DOWNFLOW CONVERSION KIT
BCS2 24, 36, 42, 48, 60; EFC/V 08, 12	1	EA	69166	AEHBCC05CSA 5KW HEAT STRIP W/CIRCUIT BREAKER
BCS2 24, 36, 42, 48, 60; EFC/V 08, 12	1	EA	69178	AEHBCC07CSA 7.5KW HEAT STRIP W/CIRCUIT BREAKER
All BCS2, EFC and EFV Models	1	EA	66907	AEHBCC10CSA-1 10KW HEAT STRIP W/CIRCUIT BREAKER
All BCS2, EFC and EFV Models	1	EA	69106	AEHBCC10NSA-1 10KW HEAT STRIP W/TERMINAL BLOCK
BCS2 36, 42, 48, 60; EFC/V 12, 16, 20	1	EA	69107	AEHBCC15CSA-1 15KW HEAT STRIP W/CIRCUIT BREAKER
BCS2 48, 60; EFC/V 16, 20	1	EA	69108	AEHBCC20CSA-1 20KW HEAT STRIP W/CIRCUIT BREAKER

V-Series™ HWC9 Packaged Units

93%+ Gas Heating and Electric Cooling



- Self-contained heating and cooling package
- No outside condensing unit
- No external refrigerant lines
- No separate cooling coil
- Pre-wired and pre-charged
- Individually metered and controlled
- Slide-out cooling chassis
- Internal vent system (direct vent)
- High efficiency compressor
- Copper tubing with enhanced fin coils
- Multispeed motor for wide airflow range PSC permanently lubricated motor for low maintenance and maximum efficiency
- Dynamically balanced blower with resilient
- motor mounts for smooth and quiet operation
- Internal washable filter
- 5 year limited warranty on all parts
- 20 year warranty on stainless steel heat exchanger
- ETL certified
- ARI listed

Ratings and Specifications

Model No.	Cooling				Heating				Refrig. Charge (Oz.)	Weight (Lbs.)
	BTUH	EER	S/T	CFM	Input BTUH	Output BTUH	AFUE %	Temp.		
HWC9N2211P12A	11,800	11	.70	400	22,000	20,500	95	25-55	49	290
HWC9N3311P12A	11,800	11	.70	400	33,000	31,000	94	35-65	49	290
HWC9N3311P18A	17,000	11	.74	600	33,000	31,000	94	30-60	54	310
HWC9N4411P18A	17,000	11	.74	600	44,000	41,000	94	35-65	54	310
HWC9N5511P18A	17,000	11	.74	600	55,000	51,500	93	45-75	54	310
HWC9N3311P24A	22,000	10	.73	800	33,000	31,000	94	30-60	66	320
HWC9N4411P24A	22,000	10	.73	800	44,000	41,000	94	35-65	66	320
HWC9N5511P24A	22,000	10	.73	800	55,000	51,500	93	45-75	66	320
HWC9N4411P30A	27,600	9.2	.68	800	44,000	41,000	94	35-65	63	350
HWC9N5511P30A	27,600	9.2	.68	800	55,000	51,500	93	45-75	63	350

Model No.	Voltage/ Hz/Phase	Nominal Voltage Range	Min. Circuit (amps)	Max. Fuse/ HACR Brkr (amps)	Compressor		Outside Fan				Indoor Blower		
					Rated Load (amps)	Locked Rotor (amps)	Dia. (In.)	Nom. RPM	Rated Load (amps)	Rated HP	Wheel Dia. x Width (In)	Rated Load Amps	Rated HP
HWC9N2211P12A	208-230/60/1	197-253	7.5	15	4.9	27	18	1075	0.9	1/8	10 x 4.5	.5	1/2
HWC9N3311P12A	208-230/60/1	197-253	7.5	15	4.9	27	18	1075	0.9	1/8	10 x 4.5	.5	1/2
HWC9N3311P18A	208-230/60/1	197-253	11.2	15	6.7	37.5	18	1075	1.6	1/4	10 x 4.5	1.2	1/2
HWC9N4411P18A	208-230/60/1	197-253	11.2	15	6.7	37.5	18	1075	1.6	1/4	10 x 4.5	1.2	1/2
HWC9N5511P18A	208-230/60/1	197-253	11.2	15	6.7	37.5	18	1075	1.6	1/4	10 x 4.5	1.2	1/2
HWC9N3311P24A	208-230/60/1	197-253	14.8	20	8.5	38	18	1075	1.6	1/4	10 x 4.5	2.6	1/2
HWC9N4411P24A	208-230/60/1	197-253	14.8	20	8.5	38	18	1075	1.6	1/4	10 x 4.5	2.6	1/2
HWC9N5511P24A	208-230/60/1	197-253	14.8	20	8.5	38	18	1075	1.6	1/4	10 x 4.5	2.6	1/2
HWC9N4411P30A	208-230/60/1	197-253	20.5	30	13.1	74	18	1075	1.6	1/4	10 x 4.5	2.5	1/2
HWC9N5511P30A	208-230/60/1	197-253	20.5	30	13.1	74	18	1075	1.6	1/4	10 x 4.5	2.5	1/2

Packaged Units

Prices Available Upon Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85320	HWC9N2211P12A 95% MAGIC PAK
1	EA	85321	HWC9N3311P12A 94% MAGIC PAK
1	EA	85322	HWC9N3311P18A 94% MAGIC PAK
1	EA	85323	HWC9N4411P18A 94% MAGIC PAK
1	EA	85324	HWC9N5511P18A 93% MAGIC PAK
1	EA	85325	HWC9N3311P24A 94% MAGIC PAK
1	EA	85326	HWC9N4411P24A 94% MAGIC PAK
1	EA	85327	HWC9N5511P24A 93% MAGIC PAK
1	EA	85328	HWC9N4411P30A 94% MAGIC PAK
1	EA	85329	HWC9N5511P30A 93% MAGIC PAK

Accessories

1	EA	60559	CA239-1 KNOCK DOWN WALL SLEEVE ALL HWC/EWC
1	EA	61691	A242-1 WALL SLEEVE ADAPTER KIT ALL HWC/EWC
1	EA	85315	ALPKT-843 LP KIT FOR HWC9 MAGIC PAK
1	EA	85330	HWC11P18A 1 1/2 TON 90% HWC COOLING CHASSIS
1	EA	85331	HWC11P24A 2 TON 90% HWC COOLING CHASSIS
1	EA	85332	HWC11P30A 2.5 TON 90% HWC COOLING CHASSIS
1	EA	69874	ADAPT420-2 HWC CHASIS ADAPTER KIT
1	EA	86049	ACHASS490 WIRING ADAPTER KIT

V-Series™ HWC8 Packaged Units

Gas Heating and Electric Cooling



- Self-contained heating and cooling package
- No outside condensing unit
- No external refrigerant lines
- No separate cooling coil
- Pre-wired and pre-charged
- Individually metered and controlled
- Slide-out cooling chassis
- Internal vent system (direct vent)
- High efficiency compressor
- Copper tubing with enhanced fin coils
- Aluminized steel tubular heat exchanger
- Multispeed motor for wide airflow range; PSC permanently lubricated motor for low maintenance and maximum efficiency
- Dynamically balanced blower with resilient motor mounts for smooth and quiet operation
- Internal washable filter
- 5 year limited warranty on all parts
- 10 year warranty on aluminized heat exchanger
- ETL certified
- ARI listed

Ratings and Specifications

Model No.	Cooling				Heating				Refrig. Charge (Oz.)	Weight (Lbs.)
	BTUH	EER	S/T	CFM	Input BTUH	Output BTUH	AFUE %	Temp.		
HWC8(R,N)2409P12A	11,800	9.2	.72	425	24,000	19,000	80	25-55	43	290
HWC8(R,N)3609P12A	11,800	9.2	.72	425	36,000	28,500	80	35-65	43	290
HWC8(R,N)3609P18A	17,000	9.2	.75	625	36,000	28,500	80	25-55	51	310
HWC8(R,N)4809P18A	17,000	9.2	.75	625	48,000	38,000	80	35-65	51	310
HWC8(R,N)6009P18A	17,000	9.2	.75	625	60,000	47,500	80	45-75	51	310
HWC8(R,N)3609P24A	22,000	9.2	.74	800	36,000	28,500	80	25-55	56	320
HWC8(R,N)4809P24A	22,000	9.2	.74	800	48,000	38,000	80	35-65	56	320
HWC8(R,N)6009P24A	22,000	9.2	.74	800	60,000	47,500	80	45-75	56	320
HWC8(R,N)4809P30A	27,600	9.2	.68	800	48,000	38,000	80	30-60	63	350
HWC8(R,N)6009P30A	27,600	9.2	.68	800	60,000	47,500	80	45-75	63	350

Model No.	Voltage/ Hz/Phase	Nominal Voltage Range	Min. Circuit (amps)	Max. Fuse HACR Brkr (amps)	Compressor		Outside Fan				Indoor Blower		
					Rated Load (amps)	Locked Rotor (amps)	Dia. (In.)	Nom. RPM	Rated Load (amps)	Rated HP	Wheel Dia. x Width (In.)	Rated Load Amps	Rated HP
HWC8(R,N)2409P12A	208-230/60/1	197-253	8.3	15	4.9	27	18	1075	0.9	1/8	10 x 4.5	1.3	1/6
HWC8(R,N)3609P12A	208-230/60/1	197-253	8.3	15	4.9	27	18	1075	0.9	1/8	10 x 4.5	1.3	1/6
HWC8(R,N)3609P18A	208-230/60/1	197-253	11.3	15	6.7	37.5	18	1075	0.9	1/8	10 x 4.5	2.0	1/3
HWC8(R,N)4809P18A	208-230/60/1	197-253	11.3	15	6.7	37.5	18	1075	0.9	1/8	10 x 4.5	2.0	1/3
HWC8(R,N)6009P18A	208-230/60/1	197-253	11.3	15	6.7	37.5	18	1075	0.9	1/8	10 x 4.5	2.0	1/3
HWC8(R,N)3609P24A	208-230/60/1	197-253	14.2	20	8.5	38	18	1075	1.6	1/4	10 x 4.5	2.0	1/3
HWC8(R,N)4809P24A	208-230/60/1	197-253	14.2	20	8.5	38	18	1075	1.6	1/4	10 x 4.5	2.0	1/3
HWC8(R,N)6009P24A	208-230/60/1	197-253	14.2	20	8.5	38	18	1075	1.6	1/4	10 x 4.5	2.0	1/3
HWC8(R,N)4809P30A	208-230/60/1	197-253	20.5	30	13.1	74	18	1075	1.6	1/4	10 x 4.5	2.5	1/2
HWC8(R,N)6009P30A	208-230/60/1	197-253	20.5	30	13.1	74	18	1075	1.6	1/4	10 x 4.5	2.5	1/2

Packaged Units

Prices Available Upon Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85300	HWC8R2409P12A1 80% MAGIC-PAK
1	EA	85301	HWC8R3609P18A1 80% MAGIC-PAK
1	EA	85302	HWC8R4809P18A1 80% MAGIC-PAK
1	EA	85303	HWC8R6009P18A1 80% MAGIC-PAK
1	EA	85304	HWC8R3609P24A1 80% MAGIC-PAK
1	EA	85305	HWC8R4809P24A1 80% MAGIC-PAK
1	EA	85306	HWC8R6009P24A1 80% MAGIC-PAK
1	EA	85307	HWC8R4809P30A1 80% MAGIC-PAK
1	EA	85308	HWC8R6009P30A1 80% MAGIC-PAK

Accessories

1	EA	60559	CA239-1 KNOCK DOWN WALL SLEEVE ALL HWC/EWC
1	EA	61691	A242-1 WALL SLEEVE ADAPTER KIT ALL HWC/EWC
1	EA	85316	ALPKT-842 LP KIT FOR HWC8 MAGIC PAK
1	EA	85312	HWC09P18A1 1.5 TON 80% HWC COOLING CHASSIS
1	EA	85313	HWC09P24A1 2 TON 80% HWC COOLING CHASSIS
1	EA	85314	HWC09P30A1 2.5 TON 80% & 90% HWC COOLING CHASSIS
1	EA	69874	ADAPT420-2 HWC CHASIS ADAPTER KIT
1	EA	86049	ACHASS490 WIRING ADAPTER KIT

HWC4 Model Vintage™ Packaged Units

Gas Heating and Electric Cooling, Thru-the-Wall, R-410A



- Self-contained heating and cooling package
- No outside condensing unit
- No external refrigerant lines
- No separate cooling coil
- Pre-wired and pre-charged
- Individually metered and controlled
- Slide-out cooling chassis
- Internal vent system (direct vent)
- High efficiency compressor
- Copper tubing with enhanced fin coils
- Standard aluminized steel tubular heat exchanger
- Multispeed motor for wide airflow range PSC permanently lubricated motor for low maintenance and maximum efficiency
- Dynamically balanced blower with resilient motor mounts for smooth and quiet operation
- Internal washable filter
- 5 year limited warranty on all parts
- 20 year warranty on stainless steel heat exchanger
- 10 year warranty on aluminized heat exchanger
- ETL certified
- ARI listed

HWC4 R-410A Units

Prices Available on Request

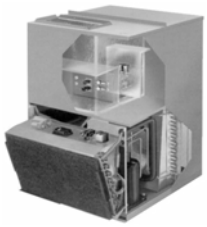
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86016	26HWC4-09-121P-1 R410A MAGIC-PAK

Accessories

1	EA	69960	ALPKT389-2 LP CONVERSION KIT
1	EA	86050	HWC4-09-181P-1 R410A COOLING CHASSIS
1	EA	86052	HWC4-09-301P-1 R410A COOLING CHASSIS

EWC Series 4 Packaged Units

Electric Heating and Cooling, Thru-the-Wall, R-410A



Features

- Completely self-contained heating and cooling package
- No outside condensing unit
- No external refrigerant lines
- No separate cooling coil
- Pre-wired and pre-charged
- Individually metered and controlled
- Slide out cooling chassis

Refrigeration System

- High efficiency compressor
- Copper tubing with enhanced fin coils

Cabinet

- Attractive, neutral-toned finish

Controls

- Color coded wiring for easy service
- Trade available components

Specifications

Model No.	Min Circuit Ampacity						Compressor		Outside Fan			Indoor Blower			
	CKt. 1		Ckt. 2		Max Fuse/HACR Brkr.		Rated Load (amps)	Locked Rotor (amps)	Nom. RPM	Rated Load (amps)	Rated HP	Wheel Dia. x Width (In.)	Rated HP	Refrig. Charge (oz.)	Wt. (lbs)
	208V	230V	208V	230V	208V	230V									
15EWC4-09-301	25	28	44	50	50	60	13.1	74.0	1075	1.60	1/4	10 x 4	1/3	80	380

Performance

Model No.	Cooling				Heating			
					@240 V		@208 V	
	BTUH	EER	S/T	CFM	kW/Hr	Btu/Hr	KW/Hr	Btu/Hr
15EWC-09-301	28,000	9.0	.70	875	14.4	49,100	10.8	36,900

Blower Performance

Model No.	Blower Speed	CFM @ ext. Static Pressure-in. w.c. with Filter(s)			
		0.2	0.3	0.4	0.5
EWC244	High	875	825	775	725
	Med.	850	805	760	710
	Low	630	605	575	550

EWC Series 4 Packaged Units—R-410A

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86083	15EWC4-09-301P-1 R410A MAGIC-PAK

V-Series™ EWC Packaged Units

Electric Heating and Electric Cooling



- Standard and High Efficiency cooling
- Completely self-contained heating and cooling package
- Pre-wired and pre-charged
- High efficiency compressor
- Multispeed motor for wide air flow range
- Internal filter, optional MERV8
- Color coded wiring for easy service
- 5 year limited warranty on all parts

Ratings and Specifications

Model No.	Cooling				Heating				Refrig. Charge (Oz.)
	BTUH	EER	S/T	CFM	240V kW/Hr	240V Btu/Hr	208V kW/Hr	208V Btu/Hr	
EWC1009P24A	22,000	9.2	.74	825	9.6	32,700	7.2	24,600	56
EWC1509P24A	22,000	9.2	.74	825	14.4	49,100	10.8	36,900	56
EWC1509P30A	27,600	9.2	.68	800	14.4	49,100	10.8	36,900	63

Model No.	Voltage/ Hz/Phase	Nominal Voltage Range	Min. Circuit (amps) 240V	Max. Fuse/ HACR Brkr (amps) 240V	Compressor		Outside Fan				Indoor Blower		
					Rated Load (amps)	Locked Rotor (amps)	Dia. (In.)	Nom. RPM	Rated Load (amps)	Rated HP	Wheel Dia. x Width (In.)	Rated Load Amps	Rated HP
EWC1009P24A	208-230/60/1	197-253	52.5	60	8.5	38	18	1075	1.6	1/4	10 x 4.5	2	1/3
EWC1509P24A	208-230/60/1	197-253	27.5	30	8.5	38	18	1075	1.6	1/4	10 x 4.5	2	1/3
EWC1509P30A	208-230/60/1	197-253	28.1	30	13.1	74	18	1075	1.6	1/4	10 x 4.5	2.5	1/2

Packaged Units

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85309	EWC1009P24A1 MAGIC-PAK
1	EA	85310	EWC1509P24A1 MAGIC-PAK
1	EA	85311	EWC1509P30A1 MAGIC-PAK

Accessories

1	EA	60559	CA239-1 KNOCK DOWN WALL SLEEVE ALL HWC/EWC
1	EA	61691	A242-1 WALL SLEEVE ADAPTER KIT ALL HWC/EWC
1	EA	86049	ACHASS490 WIRING ADAPTER KIT

ALLIED Commercial 4SCU13LC Light Commercial Condensing Units

13 SEER, R-410A, 3-Phase



Compressor
- High efficiency scroll compressor.
- Grommet mounted compressor for quiet operation.
- Internally protected against high temperature motor overload conditions.
- Heavy-duty compressor sound blanket.

Cabinet
- Full metal louvered jacket coil guard protection
- Controls located in corner post for easy installation and service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC-coated wire fan discharge grille
- External guage ports for easy service

Coils
- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components
- Filter drier installed for system protection.
- Indoor coil orifice shipped with outdoor unit for optimum efficiency and capacity
- Charged for 15 feet of line set

Warranty
- 5 year limited warranty
- 1 year limited warranty
- U.L. Listed

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

3-Phase Condensing Units

Prices Available on Request

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
29-3/4 x 26-3/4 x 24-3/4	1	EA	84204	4SCU13LC136T 3T 208/230V 3PH R410 CONDENSER
37-3/4 x 31-1/4 x 29-3/8	1	EA	84205	4SCU13LC148T 4T 208/230V 3PH R410A CONDENSER
33-3/4 x 31-1/4 x 29-3/8	1	EA	84206	4SCU13LC160T 5T 208/230V 3PH R410A CONDENSER
29-3/4 x 26-3/4 x 24-3/4	1	EA	84207	4SCU13LC136F 3T 460V 3PH R410A CONDENSER
37-3/4 x 31-1/4 x 29-3/8	1	EA	84208	4SCU13LC148F 4T 460V 3PH R410A CONDENSER
33-3/4 x 31-1/4 x 29-3/8	1	EA	84209	4SCU13LC160F 5T 460V 3PH R410A CONDENSER

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All 4SCU13LE, LT	1	EA	61692	34M72 LOW AMBIENT KIT
4SCU13LE 18 -42	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4SCU13LE 48,60 4SCU13LT 36,48	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE
4SCU13LT60	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE
All 4SCU13LC	1	EA	86229	47J27 LB-50709BK OFF CONTROL-TIMED
All 4SCU13LC	1	EA	86920	93G35 FREEZE THERMOSTAT

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4SHP13LC Heat Pump Performance Ratings
with Air Handlers and Furnaces

Indoor Model		Cooling				Heating					CFM	Refrigerant Connection*		Refrig. Line Size*	Indoor Exp. Valve
Evaporator Coil or Air Handler	Furnace	SEER	EER	AHRI Rated Cap.	Sens. Cap.	HSPF	47°		17°			Outdoor Suction	Indoor Suction		
							Btuh	COP	Btuh	COP					
4SHP13LC136F															
E(U,C,M,H)1P36C	A95UH1E090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH1E110C20S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A95UH2V045B12S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A95UH2V070B12S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH2V090C12S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH2V090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH2V090C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH2V110C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH2V110C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A96DFMV070B12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A96DFMV090C16	13.0	11.0	34,000	24,500	7.7	33,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A96DFMV090C20	13.0	11.0	34,000	24,500	7.7	33,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A96DFMV110C20	13.0	11.0	34,000	24,500	7.7	33,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A96UHMV070B12	13.0	11.0	34,000	24,500	7.7	33,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A96UHMV090C12	13.0	11.0	34,000	24,500	7.7	33,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A96UHMV110C20	13.0	11.0	34,000	24,500	7.7	33,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	EFV12BC	13.0	11.0	34,000	24,500	7.7	33,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	EFV16CC	13.0	11.0	34,000	24,500	7.7	33,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
BCS2M36c****4X		13.0	11.0	34,000	24,500	7.7	33,000	3.7	21,000	2.50	1,200	7/8	7/8	7/8	N/A
BCS2M36C000NA-1P		13.0	11.0	34,000	24,500	7.7	33,000	3.7	21,000	2.50	1,200	7/8	7/8	7/8	H4TXV02
4SHP13LC136T															
E(U,C,M,H)1P36A	80G2UH070AV12	13.0	11.0	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	80G2UH090BV16	13.0	10.5	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	80G2UH110CV020	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36A	A80DF1E045A12	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A80DF1E070B12	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A80DF1E090B16	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A80DF1E110C20	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36A	A80DF2V070A12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A80DF2V090B16	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A80DF2V110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A80UH1E070B12*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A80UH1E090B16*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A80UH1E090C20*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A80UH1E110C20*	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36A	A80UH2V070A12	13.0	11.0	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A80UH2V090B12	13.0	11.0	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A80UH2V090B16	13.0	10.5	34,000	24,500	7.7	35,200	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A80UH2V090C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A80UH2V110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A95DF1E070B16S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95DF1E090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95DF1E110C20S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A95DF2V045B12S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A95DF2V070B16S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02

* All Liquid lines and connections are 3/8".

Continued on the Following Page

Specifications—4SHP13LC Continued

Indoor Model		Cooling				Heating					CFM	Refrigerant Connection*		Refrig. Line Size*	Indoor Exp. Valve
Evaporator Coil or Air Handler	Furnace	SEER	EER	AHRI Rated Cap.	Sens. Cap.	HSPF	47°		17°			Outdoor Suction	Indoor Suction		
							Btuh	COP	Btuh	COP					
4SHP13LC136T Continued															
E(U,C,M,H)1P36C	A95DF2V090C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	7/8	7/8	H4TXV02
E(U,C,M,H)1P36C	A95DF2V110C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	7/8	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH1E090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH1E110C20S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A95UH2V045B12S	13.5	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A95UH2V070B12S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH2V090C12S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH2V090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH2V090C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH2V110C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	7/8	7/8	H4TXV02
E(U,C,M,H)1P36C	A95UH2V110C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.7	18,000	2.50	1,200	7/8	7/8	7/8	H4TXV02
E(U,C,M,H)1P36B	A96DFMV070B12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A96DFMV090C16	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A96DFMV090C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A96DFMV110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	A96UHMV070B12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A96UHMV090C12	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	A96UHMV110C20	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,000	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36B	EFC12BC	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	3/4	7/8	H4TXV02
E(U,C,M,H)1P36C	EFC16CC	13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	3/4	7/8	H4TXV02
BCS2M36C****4X		13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	7/8	7/8	NA
BCS2M36C00NA-1P		13.0	11.0	34,000	24,500	7.7	35,000	3.7	21,400	2.50	1,200	7/8	7/8	7/8	H4TXV02
4SHP13LC148F															
E(U,C)1P60D	A80UH2V135D20	13.0	11.0	47,500	34,200	7.7	44,000	3.4	27,600	2.40	1,600	7/8	7/8	7/8	H4TXV03
E(U,C)1P60D	A80UH2V135D20	13.0	11.0	47,500	34,200	7.7	44,000	3.4	27,600	2.40	1,600	7/8	7/8	7/8	H4TXV03
E(U,C)1P60D	EFC20DC	13.0	11.0	47,500	34,200	7.7	43,500	3.5	27,600	2.40	1,600	7/8	7/8	7/8	H4TXV03
ACBX32CM-148		13.0	11.0	47,500	34,200	7.7	43,500	3.5	27,600	2.40	1,600	7/8	7/8	7/8	NA
4SHP13LC148T															
E(U,C)1P60D	A80UH2V135D20	13.0	11.0	47,500	34,200	7.7	44,000	3.4	27,600	2.40	1,600	7/8	7/8	7/8	H4TXV03
E(U,C)1P60D	A80UH2V135D20	13.0	11.0	47,500	34,200	7.7	44,000	3.4	27,600	2.40	1,600	7/8	7/8	7/8	H4TXV03
E(U,C)1P60D	EFC20DC	13.0	11.0	47,500	34,200	7.7	43,500	3.5	27,600	2.40	1,600	7/8	7/8	7/8	H4TXV03
ACBX32CM-148		13.0	11.0	47,500	34,200	7.7	43,500	3.5	27,600	2.40	1,600	7/8	7/8	7/8	NA
4SHP13LC160F															
BCS2M60C***4X		13.0	10.8	57,000	40,500	7.7	56,000	3.3	36,000	2.50	1,800	7/8	7/8	1-1/8	NA
BCS2M60C00NA-1P		13.0	10.8	57,000	40,500	7.7	56,000	3.3	36,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
4SHP13LC160T															
BCS2M60C****4X		13.0	10.8	57,000	40,500	7.7	56,000	3.3	36,000	2.50	1,800	7/8	7/8	1-1/8	NA
BCS2M60C00NA-1P		13.0	10.8	57,000	40,500	77	56,000	3.3	36,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03

* All Liquid lines and connections are 3/8".

ALLIED Commercial ACBX32CM Light Commercial Air Handlers

Multi-Position, 3-Phase



Application
- 3, 4, and 5 ton nominal capacities
- Multi-position applications
- One piece design for easy installation but may be disassembled into two separate sections for ease of installation in tight spaces
- Optional field installed electric heat kits: 10, 15, and 20kW

Cabinet
- Foil faced insulation
- Painted, heavy-gauge galvanized cabinet
- Tool-less access to filter area for quick and easy servicing. Disposable frame type filter factory installed in rails in cabinet.
- High-strength, UV, and heat resistant plastic drain pan for corrosion resistance have dual pipe drains.
- Easy slide out blower assembly
- Electrical inlets in sides and top of cabinet

Warranty
- 1-year limited parts waranty

Components
- Efficient multi-speed PSC blower motor
- Standard transformer and blower relay
- Protective sleeves on distributor tubing
- Built-in indoor time delay f
- Drain pan designed for upflow, downflow, or horizontal applications. Deep, corrosion resistant plastic drain pans have dual pipe drains.
- Factory installed R-410A TXV

Installation
- 1 piece design for easier installation
- Multiposition: upflow/horizontal left/right
- Slide-out blower assembly
- Approved for use in manufactured housing and mobile homes

Accessories
- Single point power kit
- Counterflow kit
- Combustible floor kit
- Electric heat kits

Specifications

Model No.	Volts/Hz/Phase	Electric Heat Available (kW)	Transformer Size & Type	Filter Size (In.)	Refrigerant Connection (IDS)		Weight (Lbs.)
					Suction (In.)	Liquid (In.)	
ABCX32CM-136	208-230/60/1 460/60/1	10, 15, 20	40 VA, Class 2	20 x 22	3/4	3/8	177
ABCX32CM-148	208-230/60/1 460/60/1	10, 15, 20	40 VA, Class 2	20 x 24	7/8	3/8	206
ABCX32CM-160	208-230/60/1 460/60/1	10, 15, 20	40 VA, Class 2	20 x 24	1-1/8	3/8	206

Dimensions

Air Handler	Height (In.)	Depth (In.)	Width (In.)	Supply Duct Opening (In.)		Return Duct Opening (In.)	
				Depth	Width	Depth	Width
ABCX32CM-136	51	22-5/8	21-1/4	11-1/16	19-3/4	21	20
ABCX32CM-148	58-1/2	24-5/8	21-1/4	11-1/16	19-3/4	23	20
ABCX32CM-160	58-1/2	24-5/8	21-1/4	11-1/16	19-3/4	23	20

Air Handlers (Single-phase Blowers) — Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84791	ACBX32CM-136-230 3T 208-230V 1 PHASE AIR HANDLER
1	EA	84794	ACBX32CM-136-460 3T 460V 1 PHASE AIR HANDLER
1	EA	84792	ACBX32CM-148-230 4T 208-230V 1 PHASE AIR HANDLER
1	EA	84795	ACBX32CM-148-460 4T 460V 1 PHASE AIR HANDLER
1	EA	84793	ACBX32CM-160-230 5T 208-230V 1 PHASE AIR HANDLER
1	EA	84796	ACBX32CM-160-460 5T 460V 1 PHASE AIR HANDLER

3-Phase Electric Heat Kits

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
230V	1	EA	84797	ECB29-15CB-Y 15KW 230V 3 PHASE HEAT KIT F/ACBX32 AIR HANDLER
230V	1	EA	84798	ECB29-20CB-Y 20KW 230V 3 PHASE HEAT KIT F/ACBX32 AIR HANDLER
460V	1	EA	84799	ECB29-15F-G 15KW 460V 3 PHASE HEAT KIT F/ACBX32 AIR HANDLER
460V	1	EA	84800	ECB29-20F-G 20KW 460V 3 PHASE HEAT KIT F/ACBX32 AIR HANDLER

ELS Split System Commercial Condensing Units

6 to 20 Tons, 3-Phase, R-410A



Refrigeration System

- Units are equipped with a wrap-around "U" shaped coil (070/090/120 models) or two "L" shaped coils (150/180/240 models)
- High pressure switch shuts off unit if abnormal operating conditions cause discharge pressure to rise above setting.
- Loss of charge switch shuts off unit if liquid line pressure falls below setting.
- Hi-capacity driers trap moisture and dirt that could contaminate the refrigerant system.

Compressor

- ELS072, 090, and 120S4S models feature one dual-stage scroll compressor.
- ELS120S4D, 150, 180 and 240 models have two single-stage scroll compressors.

Cabinet

- Heavy-gauge, pre-painted steel cabinet provides superior rust and corrosion protection.
- Heavy duty steel base channels raise the unit off of mounting surface away from damaging moisture.
- Control box located in separate compartment in unit cabinet.
- Unit lifting holes and foklift slots funished in base rails.

Warranties

- 5-year limited on compressor
- 1-year limited on all other covered components.

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
48-3/4 x 39-7/8 x 48-3/8	1	EA	85345	ELS072S4ST1-Y 230V 3PH 6T CONDENSER 21C01
48-3/4 x 39-7/8 x 48-3/8	1	EA	85346	ELS072S4ST1-G 460V 3PH 6T CONDENSER 21C03
48-3/4 x 39-7/8 x 48-3/8	1	EA	85347	ELS090S4ST1-Y 230V 3PH 7.5T CONDENSER 21C09
48-3/4 x 39-7/8 x 48-3/8	1	EA	85348	ELS090S4ST1-G 460V 3PH 7.5T CONDENSER 21C11
48-3/4 x 60-1/8 x 43-5/8	1	EA	85349	ELS120S4DS2-Y 230V 3PH 10T CONDENSER 21C25
48-3/4 x 60-1/8 x 43-5/8	1	EA	85350	ELS120S4DS1-G 460V 3PH 10T CONDENSER 21C27
48-3/4 x 60-1/8 x 43-5/8	1	EA	85351	ELS150S4DS1-Y 230V 3PH 12.5T CONDENSER 21C33
48-3/4 x 60-1/8 x 43-5/8	1	EA	85352	ELS150S4DS1-G 460V 3PH 12.5T CONDENSER 21C35
48-3/4 x 60-1/8 x 88-3/4	1	EA	85353	ELS180S4DS1-Y 230V 3PH 15T CONDENSER 21C45
48-3/4 x 60-1/8 x 88-3/4	1	EA	85354	ELS180S4DS1-G 460V 3PH 15T CONDENSER 21C51
48-3/4 x 60-1/8 x 88-3/4	1	EA	85355	ELS240S4DS1-Y 230V 3PH 20T CONDENSER 21C60
48-3/4 x 60-1/8 x 88-3/4	1	EA	85356	ELS240S4DS1-G 460V 3PH 20T CONDENSER 21C62

TS Commercial Split System Condensing Units

6 Ton, R-410A



Refrigeration System

- High pressure switch shuts off unit if abnormal operating conditions cause discharge pressure to rise above setting.
- Loss of charge switch shuts off unit if liquid line pressure falls below setting.
- High-capacity driers trap moisture or dirt that could contaminate the refrigeratn system.

Scroll Compressor

- TSA072: Single scroll compressor

Cabinet

- Constructed of heavy-gauge, galvanized steel.
- Heavy duty steel base channels raise the unit off of mounting surface away from damaging moisture.
- Control box located in separate compartment in unit cabinet.

Warranties (Limited)

- 5-year on compressor
- 1-year on parts

Condensing Units

Prices Available on Request

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
48-3/4 x 39-7/8 x 48-3/8	1	EA	84226	TSA072S4S-Y 6T 208/230V 3PH R410A CONDENSER 45W00
48-3/4 x 39-7/8 x 48-3/8	1	EA	84227	TSA072S4S-G 6T 460V 3PH R410A CONDENSER 45W01

Low Ambient Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86398	44W17 T2CWKT01LM1 LOW AMBIENT KIT F/TSA72-120
1	EA	86399	44W18 T2CWKT02LM1 LOW AMBIENT KIT F/TSA120-150
1	EA	86400	44W19 T2CWKT02LM1 LOW AMBIENT KIT F/TSA180-240

TA Commercial Split System Air Handlers

6 Ton & 10 Ton, R-410A



- Multi-circuit coils are equipped with one thermal expansion valve per circuit
- Single blower wheel
- Control box located in separate compatment in unit cabinet
- Cabinet constructed of heavy-gauge, galvanized steel.
- Heavy duty steel base channels raise the unit off of mounting surface away from moisture

Warranties

- 5-year limited on compressor
- 1-year limited on parts

Air Handlers

Prices Available on Request

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
54-3/4 x 51-1/4 x 29-1/2	1	EA	84240	TAA090S4D 7.5T 208/230V 3PH R410 AIR HANDLER 45W64
54-3/4 x 67-1/4 x 29-1/2	1	EA	84243	TAA120S4D 10T 460V 3PH R410A AIR HANDLER 45W69

Heat Kits–10kW through 35kW —For 6 through 12.5 Ton Air Handlers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86401	46W50 10KW 208/230V 3PH HEAT KIT FOR TAA T3H0010LM1Y
1	EA	86402	46W55 10KW 460V 3PH HEAT KIT FOR TAA T3H0010LM1G
1	EA	86403	46W51 15KW 208/230V 3PH HEAT KIT FOR TAA T3H0015LM1Y
1	EA	86404	46W56 15KW 460V 3PH HEAT KIT FOR TAA T3H0015LM1G
1	EA	86405	46W52 25KW 208/230V 3PH HEAT KIT FOR TAA T3H0025LM1Y
1	EA	86406	46W57 25KW 460V 3PH HEAT KIT FOR TAA T3H0025LM1G
1	EA	86407	46W53 35KW 208/240V 3PH HEAT KIT FOR TAA T3H0035LM1Y
1	EA	86408	46W58 35KW 460V 3PH HEAT KIT FOR TAA T3H0035LM1G

ELA Split System Commercial Air Handlers

6 to 20 Tons, 3-Phase, R-410A



Refrigeration System

- Copper tube coil.
- Model 072: Single circuit coil.
- Models 090–240: Dual circuit coils; each circuit has its own expansion valve.

Belt Drive Blowers

- Models 072–150: single blower wheel.
- Models 180–240: dual blower wheels.

Controls

- Control box located in separate compartment in unit cabinet. Box may be relocated to alternate location for easier access.
- All controls pre-wired at factory.
- Expansion valve is factory installed and piped.

Cabinet

- Constructed of heavy-gauge, galvanized steel.
- Completely lined with thick fiberglass insulation resulting in quiet and efficient operation.
- Knockouts on both sides of the cabinet.

Drain Pan

- Deep, corrosion resistant plastic drain pan.
- Reversible drain pan allows for drain outlets on either end of cabinet; can be repositioned for horizontal air flow applications.

Warranties (Limited)

- 5-year on high performance economizers
- 1-year on all covered components

Air Handlers

Prices Available on Request

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
54-3/4 x 52-1/4 x 30-1/2	1	EA	85357	ELA072S4S-1Y 230V 3PH 6T AIR HANDLER 21B25
54-3/4 x 52-1/4 x 30-1/2	1	EA	85358	ELA072S4S-1G 460V 3PH 6T AIR HANDLER 21B27
54-3/4 x 52-1/4 x 30-1/2	1	EA	85359	ELA090S4D-1Y 230V 3PH 7.5T AIR HANDLER 21B33
54-3/4 x 52-1/4 x 30-1/2	1	EA	85360	ELA090S4D1-G 460V 3PH 7.5T AIR HANDLER 21B35
54-3/4 x 68-1/4 x 30-1/2	1	EA	85361	ELA120S4D-1Y 230V 3PH 10T AIR HANDLER 21B41
54-3/4 x 68-1/4 x 30-1/2	1	EA	85362	ELA120S4D-1G 460V 3PH 10T AIR HANDLER 21B43
54-3/4 x 68-1/4 x 30-1/2	1	EA	85363	ELA150S4D-1Y 230V 3PH 12.5T AIR HANDLER 21B49
54-3/4 x 68-1/4 x 30-1/2	1	EA	85364	ELA150S4D-1G 460V 3PH 12.5T AIR HANDLER 21B51
54-3/4 x 97-1/4 x 30-1/2	1	EA	85365	ELA180S4D-1Y 230V 3PH 15T AIR HANDLER 21B57
54-3/4 x 97-1/4 x 30-1/2	1	EA	85366	ELA180S4D-1G 460V 3PH 15T AIR HANDLER 21B59
54-3/4 x 97-1/4 x 30-1/2	1	EA	85367	ELA240S4D-1Y 230V 3PH 20T AIR HANDLER 21B65
54-3/4 x 97-1/4 x 30-1/2	1	EA	85368	ELA240S4D-1G 460V 3PH 20T AIR HANDLER 21B67

Heat Kits–10kW through 35kW —For 6 through 12.5 Ton Air Handlers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86401	46W50 10KW 208/230V 3PH HEAT KIT FOR TAA T3H0010LM1Y
1	EA	86402	46W55 10KW 460V 3PH HEAT KIT FOR TAA T3H0010LM1G
1	EA	86403	46W51 15KW 208/230V 3PH HEAT KIT FOR TAA T3H0015LM1Y
1	EA	86404	46W56 15KW 460V 3PH HEAT KIT FOR TAA T3H0015LM1G
1	EA	86405	46W52 25KW 208/230V 3PH HEAT KIT FOR TAA T3H0025LM1Y
1	EA	86406	46W57 25KW 460V 3PH HEAT KIT FOR TAA T3H0025LM1G
1	EA	86407	46W53 35KW 208/240V 3PH HEAT KIT FOR TAA T3H0035LM1Y
1	EA	86408	46W58 35KW 460V 3PH HEAT KIT FOR TAA T3H0035LM1G

Heat Kits—20kW through 50kW—For 15 through 20 Ton Air Handlers

1	EA	86409	46W65 20KW 208/240V 3PH HEAT KIT FOR TAA T3EH0020N-1Y
1	EA	86410	46W69 20KW 460V 3PH HEAT KIT FOR TAA T3EH0020N-1G
1	EA	86411	46W66 30KW 208/240V 3PH HEAT KIT FOR TAA T3EH0030N-1Y
1	EA	86412	46W70 30KW 460V 3PH HEAT KIT FOR TAA T3EH0030N-1G
1	EA	84252	49W39 40KW 208/240 3PH HEAT KIT T3EH0040N-1Y
1	EA	84255	49W40 40KW 460V 3PH HEAT KIT T3EH0040N-1G
1	EA	86415	46W67 50KW 208/240V 3PH HEAT KIT FOR TAA T3EH0050N-1Y
1	EA	86416	46W71 50KW 460V 3PH HEAT KIT FOR TAA T3EH0050N-1G

Z-Series Packaged Rooftop Units

Gas/Electric and Electric/Electric, 3 to 6 Tons

- The Z-Series units from Allied are designed for quick and easy retrofit. These units fit the roof curbs of high volume competitive units.
- 3 to 6 tons
- Net Cooling Capacity: 34,600 to 68,000 Btuh
- Gas Input Heat Capacity: 65,000 to 150,000 Btuh
- 1-speed scroll compressors furnished on 036–060 models
- 2-stage scroll compressors furnished on 074 models.
- Eco-Last™ system features a smaller, lighter condenser coil.
- High pressure switch protects the compressor.
- Belt drive blower motor maximizes air performance.
- Easy field conversion from downflow to horizontal airflow.
- Corrosion-resistant drain pan
- Two fork lift slots on 3 sides for easy pick-up and transport.

Model Number Identification

Z	G	B	060	S	4	B	S	1	Y
Brand Family	**Unit Type**	**Major Design Sequence**	**Nominal Capacity (Tons)**	**Cooling Efficiency**	**Refrig.**	**Blower Type**	**Heating Type (Gas)**	**Minor Design Sequence**	**Voltage (V-Phase-Hz)**
Z = Z Series	G = Pkgd. Gas Heat w/Electric Cooling	A = 1st Gen.	036 = 3	S = Stand.	4 = R-410A	B = Belt Drive	S = Stand., 1-Stage	1 = 1st Rev.	P = 208/230-1-60
		B = 2nd Gen.	048 =- 4			T = 2-Spd. Belt Drive	M = Med., 1-Stage	2 = 2nd Rev.	Y = 208/230-3-60
	C = Pkgd. Elec Cooling w/Opt. Elec. Heat		060 = 5				H = High, 1-Stage	3 = 3rd Rev.	G = 460-3-60
			072 = 6				N = No Heat		J = 575-3-60
			074 = 6						

ZGB Cooling Specifications, 3 to 6 Tons

General Data	Nominal Tonnage	3 Ton	4 Ton	5 Ton
	Model No.	**ZGB036S4B**	**ZGB048S4B**	**ZGB060S4B**
	Efficiency Type	**Standard**	**Standard**	**Standard**
Cooling Performance	Gross Cooling Capacity (Btuh)	36,200	46,700	58,300
	Net Cooling Capacity (Btuh)[1]	35,000	45,500	57,000
	AHRI Rated Air Flow (CFM)	1190	1380	1725
	Sound Rating Number (SRN) (dBA)[2]	77	80	78
	Total Unit Power (kW)	3.0	4.1	5.1
	SEER (Btuh/Watt)[1]	14.00	14.00	14.00
	EER (Btuh/Watt)[1]	11.70	11.20	11.20
Refrigerant	Type	R-410A	R-410A	R-410A
	Charge Furnished	5 lbs. 2 oz.	5 lbs. 4 oz.	7 lbs. 5 oz.
Gas Heating Options		Standard (1 Stage) or Medium (1 or 2 Stage)	Standard (1 Stage), Medium (1 or 2 Stage) or High (1 or 2 Stage)	
Compressor Type (one per unit)		Scroll	Scroll	Scroll
Outdoor Coil	Net Face Area (Sq. Ft.)	12.8	12.8	19.90
	Number of Rows	1	1	1
	Fins / Inch	23	23	23
Outdoor Coil Fan	Motor HP	(1) 1/4 (PSC)	(1) 1/4 (PSC)	(1) 1/4 (PSC)
	Motor RPM	825	825	825
	Total Motor Watts	310	310	310
	Diameter (In.)	(1) 22	(1) 22	(1) 22
	Number of Blades	4	4	4
	Total Air Volume (CFM)	3700	3700	3700
Indoor Coil	Net Face Area (Sq. Ft.)	8.4	8.4	10.8
	Tube Diameter (In.)	3/8	3/8	3/8
	Number of Rows	3	3	3
	Fins per Inch	14	14	14
	Drain Connection: No. and Size (In.)	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT
	Expansion Device Type	Fixed Orifice	Fixed Orifice	Fixed Orifice
Indoor Blower & Drive Selection[3]	Nominal Motor HP	1 HP[4], 1.5 HP	1 HP[4], 1.5 HP	1 HP[4], 1.5 HP
	Maximum Usable Motor HP	1.15 HP, 1.7 HP	1.15 HP, 1.7 HP	1.15 HP, 1.7 HP
	Available Drive Kits	Kit #ZA01 678-1035 rpm Kit #ZA04 964-1471 rpm	Kit #ZA02 803-1226 rpm Kit #ZA05[5] 1098-1490 rpm	Kit #ZA03 906-1383 rpm Kit #ZA06[5] 1262-1634 rpm
Wheel Nominal Diameter x Width (In.)		10 x 10	10 x 10	10 x 10
Filters	Type	Disposable		
	Number and Size (In.)	(4) 14 x 20 x 2		(2) 16 x 20 x 2, (2) 20 x 20 x2
Electrical Characteristics	1-Phase, 60 Hz.	208/230V		
	3-Phase, 60 Hz.	208/230V, 460V & 575V		

NOTE: Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

1 AHRI Certified to AHRI Standard 210/240: 95° F outdoor air temperature and 80° F db/67° F wb entering evaporator air; minimum external duct static pressure.

2 Sound Rating Number (SRN) rated in accordance with test conditions included in ANSI/AHRI Standard 270-2008.

3 Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor HP required. Maximum usable HP of motors furnished is shown. In Canada, nominal motor HP is also maximum usable motor HP output. If motors of comparable HP are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

4 1 HP blower motor is not available for 208/230V-1ph applications.

5 1.5 HP motor is required with Z05 and Z06 drive kits.

ZGB Heating Specifications

Model No.		ZGB036, 048, 060	ZGB036, 048, 060	ZGB036. 048, 060	ZGB048, 060	ZGB048,060
Heat Input Type		Standard (1-Stage)	Medium (1-Stage)	Medium (2-Stage)	High (1-Stage)	High (2-Stage)
Input	1st Stage	65,000	108,000	75,600	150,000	105,000
BTUH	2nd Stage	–	–	108,000	–	150,000
Output	1st Stage	52,000	84,600	60,480	120,000	84,000
BTUH	2nd Stage	–	–	86,400	–	120,000
Temperature	1st stage	15–45	35–65	20–50	45–75	25–55
Rise	2nd Stage	–	–	35 - 65	–	45–75
AFUE[1]		80%	80%	80%	80%	80%
Thermal Efficiency[2]		80%	80%	80%	80%	80%
Gas Supply Connections		1/2 In. NPT				
Rec. Gas Supply Pressure (Nat./LPG)		7 In. w.g./11 In. w.g.				

1 1-phase models: Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations.

2 3-phase models.

ZGA Cooling Specifications, 3 to 5 Tons

General Data	Nominal Tonnage	**3 Ton**	**4 Ton**	**5 Ton**
	Model No.	**ZGA036S4B**	**ZGA048S4B**	**ZGA060S4B**
	Efficiency Type	Standard	Standard	Standard
Cooling Performance	Gross Cooling Capacity (Btuh)	36,100	47,000	58,900
	Net Cooling Capacity (Btuh)[1]	34,600	45,000	57,000
	AHRI Rated Air Flow (CFM)	1200	1550	1650
	Sound Rating Number (SRN) (dBA)[2]	77	80	83
	Total Unit Power (kW)	3.0	4.3	5.3
	SEER (Btuh/Watt)[1]	13.00	13.00	13.00
	EER (Btuh/Watt)[1]	11.50	10.60	10.70
Refrigerant	Type	R-410A	R-410A	R-410A
	Charge Furnished	4 lbs. 1 oz.	4 lbs. 6 oz.	5 lbs. 6 oz.
Gas Heating Options		Standard (1 Stage) or Medium (1 or 2 Stage)	Standard (1 Stage), Medium (1 or 2 Stage) or High (1 or 2 Stage)	
Compressor Type (one per unit)		Scroll	Scroll	Scroll
Outdoor Coil	Net Face Area (Sq. Ft.)	12.8	12.8	15.2
	Number of Rows	1	1	1
	Fins / Inch	23	23	23
Outdoor Coil Fan	Motor HP	(1) 1/6 (PSC)	(1) 1/4 (PSC)	(1) 1/3 (PSC)
	Motor RPM	825	825	1075
	Total Motor Watts	200	310	360
	Diameter (In.)	(1) 22	(1) 22	(1) 22
	Number of Blades	4	4	3
	Total Air Volume (CFM)	2700	3300	3800
Indoor Coil	Net Face Area (Sq. Ft.)	8.4	8.4	8.4
	Tube Diameter (In.)	3/8	3/8	3/8
	Number of Rows	2	2	3
	Fins per Inch	14	14	14
	Drain Connection: No. and Size (In.)	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT
	Expansion Device Type	Fixed Orifice	Fixed Orifice	Fixed Orifice
Indoor Blower & Drive Selection[3]	Nominal Motor HP	1 HP[4], 1.5 HP	1 HP[4], 1.5 HP	1 HP[4], 1.5 HP
	Maximum Usable Motor HP	1.15 HP, 1.7 HP	1.15 HP, 1.7 HP	1.15 HP, 1.7 HP
	Available Drive Kits	Kit #Z01 678-1035 rpm Kit #Z04 964-1471 rpm	Kit #Z02 803-1226 rpm Kit #Z05[5] 1098-1490 rpm	Kit #Z03 906-1383 rpm Kit #Z06[5] 1262-1634 rpm
Wheel Nominal Diameter x Width (In.)		10 x 10	10 x 10	10 x 10
Filters	Type	Disposable		
	Number and Size (In.)	(4) 14 x 20 x 2		
Electrical Characteristics	1-Phase, 60 Hz.	208/230V		
	3-Phase, 60 Hz.	208/230V, 460V & 575V		

NOTE: Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

[1] AHRI Certified to AHRI Standard 210/240: 95° F outdoor air temperature and 80° F db/67° F wb entering evaporator air; minimum external duct static pressure.

[2] Sound Rating Number (SRN) rated in accordance with test conditions included in ANSI/AHRI Standard 270-2008.

[3] Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor HP required. Maximum usable HP of motors furnished is shown. In Canada, nominal motor HP is also maximum usable motor HP output. If motors of comparable HP are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

[4] 1 HP blower motor is not available for 208/230V-1ph applications.

[5] 1.5 HP motor is required with Z05 and Z06 drive kits.

ZGA Heating Specifications

Model No.		**ZGA036, 048, 060**	**ZGA036, 048, 060**	**ZGA036. 048, 060**	**ZGA048, 060**	**ZGA048,060**
Heat Input Type		Standard (1-Stage)	Medium (1-Stage)	Medium (2-Stage)	High (1-Stage)	High (2-Stage)
Input	1st Stage	65,000	108,000	75,600	150,000	105,000
BTUH	2nd Stage	–	–	108,000	–	150,000
Output	1st Stage	52,000	84,600	60,480	120,000	84,000
BTUH	2nd Stage	–	–	86,400	–	120,000
Temperature	1st stage	15–45	35–65	20–50	45–75	25–55
Rise	2nd Stage	–	–	35 - 65	–	45–75
AFUE[1]		80%	80%	80%	80%	80%
Thermal Efficiency[2]		80%	80%	80%	80%	80%
Gas Supply Connections		1/2 In. NPT				
Rec. Gas Supply Pressure (Nat./LPG)		7 In. w.g./11 In. w.g.				

[1] 1-phase models: Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations.

[2] 3-phase models.

ALLIED Commercial ZCB & ZCA Packaged Electric/Electric Rooftop Units

3 to 6 Tons



ZCB



ZCA

Cabinet

- Heavy-gauge steel panels and full perimeter heavy-gauge galvanized steel base rail.
- Units are shipped in downflow (vertical) configuration and can be field converted to horizontal air flow.
- Access panels are provided for the compressor, heating, controls, blower and air filter/ economizer section.

Heating System

- Optional field installed electric heat

Warranties and Approvals

- Limited 5-year warranty on compressor
- Limited 3-years on the Eco-last™ coil system
- Limited 1-year on all other covered components
- ETL and CSA listed
- ASHRAE 90.1 compliant
- AHRI certified to AHRI Standard 210/240-2008

Cooling System

- Designed to maximize sensible and latent cooling performance at design conditions.
- Eco-Last™ coil system condenser coil features lightweight, all aluminum brazed fin construction and is constructed of three components: a flat extrusion tube, fins in-between the flat extrusion tube and two refrigerant manifolds. This system provides improved heat transfer performance and requires a smaller refrigerant charge.
- Scroll compressors used for high performance, reliability and quiet operation.
- Evaporator coil features copper tube coil construction, enhanced rippled-edge aluminum fins, with flared shoulder tubing connections, and silver soldered construction for improved heat transfer.
- Factory leak tested.
- Outdoor coil fan motor is thermal overload protected, totally enclosed, has permanently lubricated bearings, and is shaft down, fan guard mounted.

14 SEER 1-Phase ZCB Units

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86475	ZCB036S4BN-P AE715 208/230V 1PH 3T 14 SEER BELT DR PKG AC
1	EA	86476	ZCB048S4BN-P AE829 208/230V 1PH 4T 14 SEER BELT DR PKG AC
1	EA	86477	ZCB060S4BN-P AE820 208/230V 1PH 5T 14 SEER BELT DR PKG AC

13 Seer 1-Phase ZCA Units

1	EA	86442	ZCA060S4BN-P V9632 208/230V 1PH 5T BELT DR PKG AC

13 Seer 3-Phase ZCA Units

1	EA	86439	ZCA036S4BN Y V9625 208/230V 3PH 3T BELT DR PKG AC
1	EA	86441	ZCA048S4BN-Y V9628 208/230V 3PH 4T BELT DR PKG AC
1	EA	86443	ZCA060S4BN-Y V9631 208/230V 3PH 5T BELT DR PKG AC
1	EA	86444	ZCA060S4BN-G V9633 460V 3PH 5T BELT DR PKG AC
1	EA	86478	ZCA072S4BN-Y AF071 208/230V 3PH 6T BELT DR PKG AC
1	EA	86479	ZCA072S4BN-G AF021 460V 3PH 6T BELT DR PKG AC

Continued on the Following Page

ZCB Cooling Specifications, 3 to 6 Tons, 14 SEER

General Data	**Nominal Tonnage**	**3 Ton**	**4 Ton**	**5 Ton**
	Model No.	**ZCB036S4B**	**ZCB048S4B**	**ZCB060S4B**
	Efficiency Type	**Standard**	**Standard**	**Standard**
	Gross Cooling Capacity (Btuh)	36,200	46,700	58,300
	Net Cooling Capacity (Btuh) [1]	35,000	45,500	57,000
	AHRI Rated Air Flow (CFM)	1190	1380	1725
	Sound Rating Number (SRN) (dBA) [2]	77	80	78
	Total Unit Power (Kw)	3.0	4.1	5.1
	SEER (Btuh/Watt) [1]	14.00	14.00	14.00
	EER (Btuh/Watt) [1]	11.70	11.20	11.20
Refrigerant	Type	R-410A	R-410A	R-410A
	Charge Furnished	5 lbs. 2 oz.	5 lbs. 4 oz.	7 lbs. 5 oz.
Electric Heat Available		5, 7.5, 10, 15 kW	5, 7.5, 10, 15, 22.5 kW	
Compressor Type (One per Unit)		Scroll	Scroll	Scroll
Outdoor Coil	Net Face Area (Sq. Ft.)	12.8	12.8	19.9
	Number of Rows	1	1	1
	Fins / Inch	23	23	23
Outdoor Coil Fan	Motor HP	(1) 1/4 (PSC)	(1) 1/4 (PSC)	(1) 1/4 (PSC)
	Motor RPM	825	825	825
	Total Motor Watts	315	315	315
	Diameter (In.)	(1) 22	(1) 22	(1) 22
	Number of Blades	4	4	4
	Total Air Volume (CFM)	3700	3700	3700
Indoor Coil	Net Face Area (Sq. Ft.)	8.4	8.4	10.8
	Tube Diameter (In.)	3/8	3/8	3/8
	Number of Rows	3	3	3
	Fins per Inch	14	14	14
	Drain Connection (No. and Size) (In.)	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT
	Expansion Device Type	Fixed Orifice	Fixed Orifice	Fixed Orifice
Indoor Blower & Drive Selection [3]	Nominal Motor HP	1 HP[4], 1.5 HP	1 HP[4], 1.5 HP	1 HP[4], 1.5 HP
	Maximum Usable Motor HP	1.15 HP, 1.7 HP	1.15 HP, 1.7 HP	1.15 HP, 1.7 HP
	Available Drive Kits	Kit #ZA01 678-1035 RPM Kit #ZA04 964-1471 RPM	Kit #ZA02 803-1226 RPM Kit #ZA05[5] 1098-1490 RPM	Kit #ZA03 906-1383 RPM Kit #ZA06[5] 1262-1634 RPM
Wheel Nominal Diameter x Width (In.)		10 x 10	10 x 10	
Filters	Type	Disposable		
	Number and Size (In.)	(4) 14 x 20 x 2		(2) 16 x 20 x 2, (2) 20 x 20 x2
Electrical Characteristics	1-Phase, 60 Hz.	208/230V	208/230V	208/230V
	3-Phase, 60 Hz.	208/230V, 460V & 575V	208/230V 460V & 575V	208/230V 460V & 575V

NOTE: Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

[1] AHRI Certified to AHRI Standard 210/240: 95°F outdoor air temperature and 80° F db/67° F wb entering evaporator air; minimum external duct static pressure.

[2] Sound Rating Number (SRN) rated in accordance with test conditions included in ANSI/AHRI Standard 270-2008.

[3] Using total air volume and system static pressure requirements determine from blower performance tables RPM and motor HP required. Maximum usable HP of motors furnished is shown. In Canada, nominal motor HP is also maximum usable motor HP output. If motors of comparable HP are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

[4] 1 HP blower motor is not available for 208/230V-1Ph applications.

[5] 1.5 HP motor is required with Z05 and Z06 drive kits.

ZCA Cooling Specifications, 3 to 6 Tons, 13 SEER

General Data	Nominal Tonnage	**3 Ton**	**4 Ton**	**5 Ton**
	Model No.	**ZCA036S4B**	**ZCA048S4B**	**ZCA060S4B**
	Efficiency Type	Standard	Standard	Standard
	Gross Cooling Capacity (Btuh)	36,100	47,000	58,900
	Net Cooling Capacity (Btuh) [1]	34,600	45,000	57,000
	AHRI Rated Air Flow (CFM)	1200	1550	1650
	Sound Rating Number (SRN) (dBA) [2]	77	80	83
	Total Unit Power (Kw)	3.1	4.3	5.3
	SEER (Btuh/Watt) [1]	13.00	13.00	13.00
	EER (Btuh/Watt) [1]	11.50	10.60	10.70
Refrigerant	Type	R-410A	R-410A	R-410A
	Charge Furnished	4 lbs. 1 oz.	4 lbs. 6 oz.	5 lbs. 6 oz.
Electric Heat Available		5, 7.5, 10, 15 kW	5, 7.5, 10, 15, 22.5 kW	
Compressor Type (One per Unit)		Scroll	Scroll	Scroll
Outdoor Coil	Net Face Area (Sq. Ft.)	12.8	12.8	15.2
	Number of Rows		1	1
	Fins / Inch	23	23	23
Outdoor Coil Fan	Motor HP	(1) 1/6 (PSC)	(1) 1/4 (PSC)	(1) 1/3 (PSC)
	Motor RPM	825	825	1075
	Total Motor Watts	200	310	360
	Diameter (In.)	(1) 22	(1) 22	(1) 22
	Number of Blades	4	4	3
	Total Air Volume (CFM)	2700	3300	3800
Indoor Coil	Net Face Area (Sq. Ft.)	8.4	8.4	8.4
	Tube Diameter (In.)	3/8	3/8	3/8
	Number of Rows	2	2	3
	Fins per Inch	14	14	14
	Drain Connection (No. and Size) (In.)	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT
	Expansion Device Type	Fixed Orifice	Fixed Orifice	Fixed Orifice
Indoor Blower & Drive Selection [3]	Nominal Motor HP	1 HP[4], 1.5 HP	1 HP[4], 1.5 HP	1 HP[4], 1.5 HP
	Maximum Usable Motor HP	1.15 HP, 1.7 HP	1.15 HP, 1.7 HP	1.15 HP, 1.7 HP
	Available Drive Kits	Kit #Z01 678-1035 RPM Kit #Z04 964-1471 RPM	Kit #Z02 803-1226 RPM Kit #Z05[5] 1098-1490 RPM	Kit #Z03 906-1383 RPM Kit #Z06[5] 1262-1634 RPM
Wheel Nominal Diameter x Width (In.)		10 x 10	10 x 10	10 x 10
Filters	Type	Disposable		
	Number and Size (In.)	(4) 14 x 20 x 2		
Electrical Characteristics	1-Phase, 60 Hz.	208/230V	208/230V	208/230V
	3-Phase, 60 Hz.	208/230V, 460V & 575V	208/230V 460V & 575V	208/230V 460V & 575V

NOTE: Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

1 AHRI Certified to AHRI Standard 210/240: 95°F outdoor air temperature and 80° F db/67° F wb entering evaporator air; minimum external duct static pressure.

2 Sound Rating Number (SRN) rated in accordance with test conditions included in ANSI/AHRI Standard 270-2008.

3 Using total air volume and system static pressure requirements determine from blower performance tables RPM and motor HP required. Maximum usable HP of motors furnished is shown. In Canada, nominal motor HP is also maximum usable motor HP output. If motors of comparable HP are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

4 1 HP blower motor is not available for 208/230V-1Ph applications.

5 1.5 HP motor is required with Z05 and Z06 drive kits.

Z Series Accessories

For Packaged Rooftop Units, 3 to 6 Tons

STD PKG	U/M	BERCRO NUMBER	DESCRIPTION
1	EA	86471	10A26 208/230V 1 PH 45/50/60A UNIT FUSE BLOCK
1	EA	86472	10A27 208/230V 3 PH 25/30A UNIT FUSE BLOCK
1	EA	86473	10A28 208/230V 3 PH 35/40A UNIT FUSE BLOCK
1	EA	86474	10A29 460V 3 PH 15/20A UNIT FUSE BLOCK
1	EA	86448	21E01 208/230V 1 OR 3 PH DOWNFLOW POWER EXHAUST
1	EA	86449	23E01 460V 3 PH DOWNFLOW POWER EXHAUST
1	EA	86450	24E01 230V 1 OR 3PH Z SERIES HORIZ POWER EXHAUST
1	EA	86455	27G86 FLUSH CEILING DIFFUSER
1	EA	86454	27G87 STEP DOWN CEILING DIFFUSER
1	EA	86451	28E01 460V 3PH Z SERIES HORIZ POWER EXHAUST
1	EA	86445	11F77 3-5T 14" HYBRID CURB FOR Z SERIES PACKAGE UNIT
1	EA	86453	95W73 MANUAL DAMPER W/HOOD
1	EA	86452	95W74 MOTORIZED DAMPER W/HOOD
1	EA	86446	98W09 3-6T Z-SERIES DOWNFLOW ECONOMIZER W/DAMPER AND HOOD
1	EA	86447	98W68 2-6T Z-SERIES HORIZONTAL ECONOMIZER W/DAMPER AND HOOD
1	EA	86461	98W98 10KW 208/230V 1 PH HEAT KIT
1	EA	86464	98W99 15KW 208/230V 1 PH HEAT KIT
1	EA	86467	99W00 22.5KW 208/230V 1 PH HEAT KIT
1	EA	86462	99W03 10KW 208/230V 3 PH HEAT KIT
1	EA	86465	99W04 15KW 208/230V 3 PH HEAT KIT
1	EA	86468	99W05 22.5KW 208/230V 3 PH HEAT KIT
1	EA	86463	99W08 10KW 460V 3 PH HEAT KIT
1	EA	86466	99W09 15KW 460V 3 PH HEAT KIT
1	EA	86470	98W08 Z SERIES 3-5 TON BOTTOM POWER ENTRY KIT
1	EA	86469	99W10 22.5KW 460V 3 PH HEAT KIT
1	EA	86456	99W61 3T 208/230 1 OR 3 PH COMPRESSOR CRANKCASE HEATER
1	EA	86458	99W62 3T 460V 3 PH COMPRESSOR CRANKCASE HEATER
1	EA	86457	99W64 4-5T 208/230 1 OR 3 PH COMPRESSOR CRANKCASE HEATER
1	EA	86459	99W65 4-5T 460V 3 PH COMPRESSOR CRANKCASE HEATER
1	EA	86460	99W67 LOW AMBIENT KIT

ALLIED Commercial ZGA Packaged Gas/Electric Rooftop Units

7.5 to 12.5 Tons



Cabinet

- Heavy-gauge steel panels and full perimeter heavy-gauge galvanized steel base rail.
- Units are shipped in downflow (vertical) configuration and can be field converted to horizontal air flow.
- Access panels are provided for the compressor, heating, controls, blower and air filter/ economizer section.

Heating System

- Heat exchanger: Tubular construction, aluminized steel, life cycle tested.
- Electronic pilot ignition.

Warranties and Approvals

- Limited 10-year on aluminized heat exchanger.
- Limited 5-year on compressor.
- Limited 3-year on Eco-last™ coil system
- Limited 1-year on other covered components.
- ETL listed,
- ASHRAE 90.1-2010 compliant.
- AHRI certified to Standard 340/360-2007.

Cooling System

- Designed to maximize sensible and latent cooling performance at design conditions.
- Eco-Last™ coil system condenser coil features lightweight, all aluminum brazed fin construction and is constructed of three components: a flat extrusion tube, fins in-between the flat extrusin tube, and and two refrigerant manifolds. This system provides improved heat transfer performance and requires a smaller refrigerant charge.
- Scroll compressors used for high performance, reliability and quiet operation.
- Evaporator features copper tube coil construction, enhanced rippled-edge aluminum fins, with flared shoulder tubing construction, enhanced rippled-edge connections, and silver soldered construction for improved heat transfer.
- Outdoor coil fan motor is thermal overload protected, totally enclosed, has permanently lubricated bearings, and is shaft up, wire basket mounted.

208/230V 3-Phase Belt Drive Gas/Electric **Prices Available on Request**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86279	ZGA092S4BH-Y L2522 208/230V 3PH 7.5T 240KB 2-STG BELT GAS/ELEC PKG
1	EA	86271	ZGA092S4BM-Y L2513 208/230V 3PH 7.5T 180KB 2-STG BELT GAS/ELEC PKG
1	EA	86273	ZGA102S4BM-Y L2516 208/230V 3PH 8.5T 180KB 2-STG BELT GAS/ELEC PKG
1	EA	86281	ZGA120S4BH-Y L2525 208/230V 3PH 10T 240KB 2-STG BELT GAS/ELEC PKG
1	EA	86275	ZGA120S4BM-Y L2518 208/230V 3PH 10T 180KB 2-STG BELT GAS/ELEC PKG
1	EA	86283	ZGA150S4BH-Y L2528 208/230V 3PH 12.5T 240KB 2-STG BELT GAS/ELEC PKG
1	EA	86277	ZGA150S4BM-Y L2520 208/230V 3PH 12.5T 180KB 2-STG BELT GAS/ELEC PKG

460V 3-Phase Belt Drive Gas/Electric

1	EA	86272	ZGA092S4BM-G L2511 460V 3PH 7.5T 180KB 2-STG BELT GAS/ELEC PKG
1	EA	86274	ZGA102S4BM-G L2514 460V 3PH 8.5T 180KB 2-STG BELT GAS/ELEC PKG
1	EA	86282	ZGA120S4BH-G L2523 460V 3PH 10T 240KB 2-STG BELT GAS/ELEC PKG
1	EA	86276	ZGA120S4BM-G L2517 460V 3PH 10T 180KB 2-STG BELT GAS/ELEC PKG
1	EA	86284	ZGA150S4BH-G L2526 460V 3PH 12.5T 240KB 2-STG BELT GAS/ELEC PKG
1	EA	86278	ZGA150S4BM-G L2519 460V 3PH 12.5T 180KB 2-STG BELT GAS/ELEC PKG

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ZGA Heating Specifications, 7.5 to 12.5 Tons

Heat Input Type	Standard (2-Stage)		Medium (2-Stage)	High (2-Stage)
Input (BTUH)	1st Stage	84,500	117,000	156,000
	2nd Stage	130,000	180,000	240,000
Output (BTUH)	2nd Stage	104,000	144,000	192,000
Temperature Rise Range (° F)		15–45	30–60	40–70
Thermal Efficiency		80%	80%	80%
Gas Supply Connections		3/4 In. NPT	3/4 In. NPT	3/4 In. NPT
Recommended Gas Supply Pressure	Natural (In. w.g.)	7	7	7
Gas Supply Pressure	LPG/Propane (In. w.g.)	11	11	11

ZGA Cooling Specifications, 7.5 & 8.5 Tons

General Data	Nominal Tonnage	**7.5 Ton**	**8.5 Ton**
	Model No.	**ZGA092S4B**	**ZGA102S4B**
	Efficiency Type	Standard	Standard
	Blower Type	Constant Air Volume (CAV)	Constant Air Volume (CAV)
Cooling Performance	Gross Cooling Capacity (Btuh)	88,200	99,900
	Net Cooling Capacity (Btuh)[1]	86,600	97,000
	AHRI Rated Air Flow (CFM)	2,800	3,250
	Total Unit Power (kW)	7.8	8.8
	SEER (Btuh/Watt)[1]	11.00	11.00
	EER (Btuh/Watt)[1]	11.80	11.80
Refrigerant	Type	R-410A	R-410A
	Charge Furnished (Circuit 1)	4 lbs. 7 oz.	4 lbs. 13 oz.
	Charge Furnished (Circuit 2)	3 lbs. 1 oz.	4 lbs. 10 oz.
Gas Heating Options		Standard (2-Stage) Medium (2-Stage) High (2-Stage	Standard (2-Stage) Medium (2-Stage) High (2-stage
Compressor Type (Number)		Scroll (2)	Scroll (2)
Outdoor Coil	Net Face Area (Sq. Ft.)	20.9	20.9
	Number of Rows	1	1
	Fins/Inch	23	23
Outdoor Coil Fan	Motor HP(Number)	1/3 (2)	1/3 (2)
	Motor RPM	1075	1075
	Total Motor Watts	740	740
	Diameter (No.)	24 In. (2)	24 In. (2)
	Number of Blades	3	3
	Total Air Volume (CFM)	8,800	8,800
Indoor Coil	Net Face Area (Sq. Ft.)	12.78	12.78
	Tube Diameter (In.)	3/8	3/8
	Number of Rows	2	3
	Fins per Inch	14	14
	Drain Connection: Size (No.)	1 In. NPT (2)	1 In. NPT (2)
	Expansion Device Type	Refrigerant Metering Orifice (RFC)	Refrigerant Metering Orifice (RFC)
Indoor Blower & Drive Selection[2]	Nominal Motor Output (HP)	2, 3, 5	2, 3, 5
	Max. Usable Motor Output (HP)	2.3, 3.45, 5.75	2.3, 3.45, 5.75
	Motor Drive Kit Number	**2 HP**: Kit 1 (590-890 RPM), Kit 2 (800-1105 RPM), Kit 3 (795-1195 RPM) **3 HP**: Kit 4 (730-970 RPM), Kit 5 (940-1200 RPM), Kit 6 (1015-1300 RPM) **5 HP**: Kit 10 (900-1135 RPM), Kit 11 (1040-1315 RPM), Kit 12 (1125-1425 RPM)	
	Wheel Nominal Dia.. x Width (In.)	15 x 15	15 x 15
Filters	Type	Disposable	Disposable
	Size and (Number)	20" x 24" x 2" (4)	20" x 24" x 2" (4)
Electrical Characteristics	3-Phase, 60 Hz	208/230V, 460V, 575V	

NOTE: Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

[1] AHRI Certified to AHRI Standard 340/360: 95° F outdoor air temperature and 80° F db/67° F wb entering evaporator air; minimum external duct static pressure.
[2] Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor HP required. Maximum usable HP of motors furnished is shown. In Canada, nominal motor HP is also maximum usable motor HP output. If motors of comparable HP are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

NOTE: Units equipped with Single VAV Supply Fan option are limited to a motor service factor of 1.0.

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ZGA Cooling Specifications, 10 & 12.5 Ton

General Data	Nominal Tonnage	**10 Ton**	**12.5Ton**
	Model No.	**ZGA120S4B**	**ZGA150S4B**
	Efficiency Type	Standard	Standard
	Blower Type	Constant Air Volume (CAV)	Constant Air Volume (CAV)
Cooling Performance	Gross Cooling Capacity (Btuh)	118,400	142,000
	Net Cooling Capacity (Btuh) [1]	115,000	136,000
	AHRI Rated Air Flow (CFM)	3,800	4,400
	Total Unit Power (kW)	10.50	12.60
	SEER (Btuh/Watt) [1]	11.00	10.80
	EER (Btuh/Watt) [1]	11.80	11.40
Refrigerant	Type	R-410A	R-410A
	Charge Furnished (Circuit 1)	5 lbs. 0 oz.	7 lbs. 0 oz.
	Charge Furnished (Circuit 2)	5 lbs. 4 oz.	6 lbs. 12 oz.
Gas Heating Options		Standard (2-Stage) Medium (2-Stage) High (2-Stage	Standard (2-Stage) Medium (2-Stage) High (2-stage
Compressor Type (Number)		Scroll (2)	Scroll (2)
Outdoor Coil	Net Face Area (Sq. Ft.)	28.0	28.0
	Number of Rows	1	1
	Fins/Inch	23	23
Outdoor Coil Fan	Motor HP(Number)	1/3 (2)	1/3 (2)
	Motor RPM	1075	1075
	Total Motor Watts	700	950
	Diameter (No.)	24 In. (2)	24 In. (2)
	Number of Blades	3	3
	Total Air Volume (CFM)	9,000	9,600
Indoor Coil	Net Face Area (Sq. Ft.)	13.54	13.54
	Tube Diameter (In.)	3/8	3/8
	Number of Rows	3	4
	Fins per Inch	14	14
	Drain Connection: Size (No.)	1 In. NPT (2)	1 In. NPT (2)
	Expansion Device Type	Refrigerant Metering Orifice (RFC)	Refrigerant Metering Orifice (RFC)
Indoor Blower & Drive Selection [2]	Nominal Motor Output (HP)	2, 3, 5	2, 3, 5
	Max. Usable Motor Output (HP)	2.3, 3.45, 5.75	2.3, 3.45, 5.75
	Motor Drive Kit Number	**2 HP**: Kit 1 (590-890 RPM), Kit 2 (800-1105 RPM), Kit 3 (795-1195 RPM) **3 HP**: Kit 4 (730-970 RPM), Kit 5 (940-1200 RPM), Kit 6 (1015-1300 RPM) **5 HP**: Kit 10 (900-1135 RPM), Kit 11 (1040-1315 RPM), Kit 12 (1125-1425 RPM)	
	Wheel Nominal Dia. x Width (In.)	15 x 15	15 x 15
Filters	Type	Disposable	Disposable
	Size and (Number)	20" x 24" x 2" (4)	20" x 24" x 2" (4)
Electrical Characteristics	3-Phase, 60 Hz,	208/230V, 460V, 575V	

NOTE: Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

NOTE: Units equipped with Single VAV Supply Fan option are limited to a motor service factor of 1.0.

[1] AHRI Certified to AHRI Standard 340/360: 95° F outdoor air temperature and 80° F db/67° F wb entering evaporator air; minimum external duct static pressure.

[2] Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor HP required. Maximum usable HP of motors furnished is shown. In Canada, nominal motor HP is also maximum usable motor HP output. If motors of comparable HP are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

ALLIED Commercial ZCA Packaged Electric/Electric Rooftop Units

7.5 to 10 Tons



Cabinet

- Heavy-gauge steel panels and full perimeter heavy-gauge galvanized steel base rail.
- Units are shipped in downflow (vertical) configuration and can be field converted to horizontal air flow.
- Access panels are provided for the compressor, heating, controls, blower and air filter/ economizer section.

Heating System

- Optional field installed electric heat

Warranties and Approvals

- Limited 5-year on compressor.
- Limited 3-year on Eco-last™ coil system
- Limited 1-year on all other covered components.
- ETL listed
- ASHRAE 90.1-2010 compliant
- AHRI certified to Standard 340/360-2007

Cooling System

- Designed to maximize sensible and latent cooling performance at design conditions.
- Eco-Last™ coil system condenser coil features lightweight, all aluminum brazed fin construction and is constructed of three components: a flat extrusion tube, fins in-between the flat extrusion tube and two refrigerant manifolds. This system provides improved heat transfer performance and requires a smaller refrigerant charge.
- Scroll compressors used for high performance, reliability and quiet operation.
- Evaporator coil features copper tube construction, enhanced rippled-edge aluminum fins, with flared shoulder tubing connections, and silver soldered construction for improved heat transfer.
- Outdoor coil fan motor is thermal overload protected, totally enclosed, has permanently lubricated bearings, and is shaft up, wire basket mounted.

208/230 V 3-Phase Belt Drive Cooling Only — Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86262	ZCA092S4BN-Y L2497 208/230V 3PH 7.5T BELT DR PKG AC
1	EA	86264	ZCA102S4BN-Y L2499 208/230V 3PH 8.5T BELT DR PKG AC
1	EA	86266	ZCA120S4BN-Y L2502 208/230V 3PH 10T BELT DR PKG AC

460 V 3-Phase Belt Drive Cooling Only

1	EA	86263	ZCA092S4BN-G L2495 460V 3PH 7.5T BELT DR PKG AC
1	EA	86265	ZCA102S4BN-G L2498 460V 3PH 8.5T BELT DR PKG AC
1	EA	86267	ZCA120S4BN-G L2500 460V 3PH 10T BELT DR PKG AC

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ZCA Cooling Specifications, 7.5 to 10 Tons

General Data	Nominal Tonnage	**7.5 Ton**	**8.5 Ton**	**10 Ton**
	Model No.	**ZCA092S4B**	**ZCA102S4B**	**ZCA120S4B**
	Efficiency Type	Standard	Standard	Standard
	Blower Type	Constant Air Volume (CAV)	Constant Air Volume (CAV)	Constant Air Volume (CAV)
Cooling Performance	Gross Cooling Capacity (Btuh)	88,200	99,900	118,400
	Net Cooling Capacity (Btuh)[1]	86,000	97,000	115,000
	AHRI Rated Air Flow (CFM)	2,800	3,250	3,800
	Total Unit Power (kW)	7.7	8.7	10.3
	SEER (Btuh/Watt)[1]	11.20	11.20	11.20
	EER (Btuh/Watt)[1]	12.00	12.00	12.00
Refrigerant	Type	R-410A	R-410A	R-410A
	Charge Furnished (Circuit 1)	4 lbs. 7 oz.	4 lbs. 13 oz.	5 lbs., 0 oz.
	Charge Furnished (Circuit 2)	3 lbs. 1 oz.	4 lbs. 10 oz.	5 lbs., 4 oz.
Electric Heat Available		7-1/2, 15, 22-1/2 30, 45 kW	7-1/2, 15, 22-1/2 30, 45 kW	15, 22-1/2 30, 45, 60 kW
Compressor Type (Number)		Scroll (2)	Scroll (2)	Scroll
Outdoor Coil	Net Face Area (Sq. Ft.)	20.9	20.9	28.0
	Number of Rows	1	1	1
	Fins/Inch	23	23	23
Outdoor Coil Fan	Motor HP(Number)	1/3 (2)	1/3 (2)	1/3 (2)
	Motor RPM	1075	1075	1075
	Total Motor Watts	740	740	700
	Diameter In. (No.)	24 (2)	24 (2)	24 (2)
	Number of Blades	3	3	3
	Total Air Volume (CFM)	8,800	8,800	9,000
Indoor Coil	Net Face Area (Sq. Ft.)	12.78	12.78	13.54
	Tube Diameter (In.)	3/8	3/8	3/8
	Number of Rows	2	3	3
	Fins per Inch	14	14	14
	Drain Connection: Size (No.)	1 In. NPT (1)	1 In. NPT (1)	1 In. NPT (1)
	Expansion Device Type	Refrig. Metering Orifice (RFC)	Refrig. Metering Orifice (RFC)	Refrig. Metering Orifice (RFC)
Indoor Blower & Drive Selection[2]	Nominal Motor Output (HP)	2, 3, 5	2, 3, 5	2, 3, 5
	Max. Usable Motor Output (HP)	2.3, 3.45, 5.75	2.3, 3.45, 5.75	2.3, 3.45, 5.75
	Motor Drive Kit Number	**2 HP**: Kit 1 (590-890 RPM), Kit 2 (800-1105 RPM), Kit 3 (795-1195 RPM) **3 HP**: Kit 4 (730-970 RPM), Kit 5 (940-1200 RPM), Kit 6 (1015-1300 RPM) **5 HP**: Kit 10 (900-1135 RPM), Kit 11 (1040-1315 RPM), Kit 12 (1125-1425 RPM)		
	Wheel Nom. Dia. x Width (In.)	15 x 15	15 x 15	15 x 15
Filters	Type	Disposable	Disposable	Disposable
	Size In. (Number)	20 x 24 x 2 (4)	20 x 24 x 2 (4)	20 x 24 x 2 (4)
Electrical Characteristics	3-Phase, 60 Hz.	208/230V, 460V or 575V	208/230V, 460V or 575V	208/230V, 460V or 575V

NOTE: Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

[1] AHRI Certified to AHRI Standard 340/360: 95° F outdoor air temperature and 80° F db/67° F wb entering evaporator air; minimum external duct static pressure.

[2] Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor HP required. Maximum usable HP of motors furnished is shown. In Canada, nominal motor HP is also maximum usable motor HP output. If motors of comparable HP are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

NOTE: Units equipped with Single VAV Supply Fan option are limited to a motor service factor of 1.0.

ALLIED Commercial Z Series Accessories

For Packaged Rooftop Units, 7.5 to 12.5 Tons

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86299	10Y09 7.5-12.5T Z ZERIES HAIL GUARD
1	EA	86285	10Z26 14" 7.5-12.5T Z-SERIES HYBRID ROOF CURB - DOWNFLOW
1	EA	86286	10Z29 7.5-12.5 Z SERIES DOWNFL ECONOMIZER W/DAMPER & HOOD
1	EA	86288	10Z32 7.5-12.5 Z SERIES MANUAL DAMPER & HOOD
1	EA	86297	10Z70 208/230V 3 PH 7.5-12.5T DOWNFLOW POWER EXHAUST
1	EA	86298	10Z71 460V 3 PH 7.5-12.5T DOWNFLOW POWER EXHAUST
1	EA	86287	11G98 7.5-12.5 Z SERIES HORIZ ECONOMIZER W/DAMPER & HOOD
1	EA	86450	24E01 230V 1 OR 3PH Z SERIES HORIZ POWER EXHAUST
1	EA	86451	28E01 460V 3PH Z SERIES HORIZ POWER EXHAUST
1	EA	63138	29G06 RTD11-185 STEP DOWN DIFFUSER
1	EA	68348	29G08 FD11-95 CONCENTRIC DIFF-FLUSH
1	EA	68349	29G09 FD11-135 DIFFUSER FLUSH
1	EA	65967	53K04 7.5-12.5T HORIZONTAL BAROMETRIC RELIEF DAMPER
1	EA	86350	53W64 SINGLE ENTHALPY CONTROL C1SNSR64FF1

ALLIED Commercial K Series and Z Series Model Number Guide

K	G	A	060	S	4	B	S	1	Y
Brand/Family K = K Product Line Z = Z Product Line	Unit Type G = Packaged Gas Heat with Electric Cooling C = Packaged Electric Cooling with Optional Heat	Major Design Sequence A = 1st Gen. B = 2nd Gen.	Nom. Cooling Capacity (Tons) 024=2 30=2.5 036 = 3 048 = 4 060 = 5 072 = 6 090 =7.5 092=7.5 102 = 8.5 120 = 10 150 = 12.5 180 = 15 210 = 17.5 240 = 20 300 = 25	Cooling Efficiency S = Standard Efficiency	Refrigerant Type 4 = R-410A	Blower Type D = Direct Drive B = Belt Drive	Heating Type S = Standard Gas Heat,1-Stage M = Medium Gas Heat, 1-Stage H = High Gas Heat, 2-Stage N = No Heat	Minor Design Sequence 1 = 1st Rev. 2 = 2nd Rev. 3 = 3rd Rev.	Voltage P = 208/230V, 1 Ph., 60 Hz. Y = 208/230V, 3 Ph., 60 Hz. G = 460V, 3 Ph., 60 Hz. J = 575V, 3 Ph., 60 Hz.

KGB/KGA Packaged Gas/Electric Rooftop Units

2 to 7.5 Tons, R-410A



Cabinet

- Heavy-gauge steel panels and full perimeter heavy-gauge galvanized steel base rail.
- Units are shipped in downflow (vertical) configuration and can be field converted to horizontal air flow.
- Large access panels are hinged and have quarter-turn, latching handles for quick and easy access to maintenance areas.

Heating System

- Heat exchanger: Tubular construction, aluminized steel, life cycle tested.
- Electronic pilot ignition.

Warranties and Approvals

- Limited 10-year warranty on aluminized heat exchanger.
- Limited 5-year warranty on compressor.
- Limited 1-year on all other covered components.
- ETL and CSA listed.
- ASHRAE 90.1 compliant.

Cooling System

- Designed to maximize sensible and latent cooling performance at design conditions.
- Scroll compressors used for high performance, reliability and quiet operation.
- Copper tube coil construction, enhanced rippled-edge aluminum fins, with flared shoulder tubing connections, and silver soldered construction for improved heat transfer. Factory leak tested.
- Outdoor coil fan motor is thermal overload protected, totally enclosed, with permanently lubricated sleeve (024, 030, 036 and 048 models) or ball bearings (060, 072, and 090 models) and is shaft up, wire basket mount.

KGB 14 SEER Units, 2 to 5 Tons, Direct Drive — Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86193	KGB024S4DS-P AC294 230V 1PH 2T 65KB 14 SEER DIR DRV GAS/ELEC PKG
1	EA	86194	KGB030S4DS-P AC296 230V 1PH 2.5T 65KB 14 SEER DIR DRV GAS/ELEC PKG
1	EA	86195	KGB036S4DM-P AC297 230V 1PH 3T 108KB 14 SEER DIR DRV GAS/ELEC PKG
1	EA	86196	KGB048S4DH-P AC299 230V 1PH 4T 150KB 14 SEER DIR DRV GAS/ELEC PKG
1	EA	86197	KGB060S4DH-P AC304 230V 1PH 5T 150KB 14 SEER DIR DRV GAS/ELEC PKG

KGA 13 SEER Units, 2 to 5 Tons, Direct Drive

1	EA	86088	KGA036S4DM-G L0888 460V 3PH 3T 105KB DIR DR GAS/ELEC PKG R410
1	EA	86191	KGA036S4DM-Y AC376 208/230V 3PH 3T 108KB DIR DR GAS/ELEC PKG R410
1	EA	86192	KGA036S4DM-G AC377 460V 3PH 3T 108KB DIR DR GAS/ELEC PKG R410
1	EA	86090	KGA048S4DH-Y L0902 208/230V 3PH 4T 150KB DIR DR GAS/ELEC PKG R410
1	EA	86091	KGA048S4DH-G L0899 460V 3PH 4T 150KB DIR DR GAS/ELEC PKG R410
1	EA	86093	KGA060S4DH-Y L0919 208/230V 3PH 5T 150KB DIR DR GAS/ELEC PKG R410
1	EA	86094	KGA060S4DH-G L0915 460V 3PH 5T 150KB DIR DR GAS/ELEC PKG R410

KGA 13 SEER Units, 4 to 7.5 Tons, Belt Drive

1	EA	86301	KGA048S4BH-Y L0895 208/230V 3PH 4T 150KB BELT GAS/ELE PKG NS
1	EA	86095	KGA060S4BH-Y L0909 208/230V 3PH 5T 150KB BELT GAS/ELEC PKG NS
1	EA	86198	KGA072S4BH-Y AD584 208/230V 3PH 6T 150KB BELT DR GAS/ELEC PKG 410
1	EA	86199	KGA072S4BH-G AD585 460V 3PH 6T 150KB BELT DR GAS/ELEC PKG 410
1	EA	86098	KGA090S4BH-Y V9867 208/230V 3PH 7.5T 150KB GAS/ELEC PKG NS (L0930)
1	EA	86099	KGA090S4BH-Y V9868 208/230V 3PH 7.5T 150KB GAS/ELEC W/ECON&DAMP NS

Accessories

1	EA	61674	16W87 3-5T T-SERIES ECONOMIZER HOOD -SHORT CABINET
1	EA	61677	53W34 3-6T K-SERIES MANUAL DAMPER W/HOOD-C1DAMP11A
1	EA	63066	76M37 3-25T T-SERIES SENSIBLE CONTROL KIT
1	EA	86029	11F51 14" 2-6T K-SERIES 16W94 CLIP LOCK ROOF CURB - DOWNFLOW
1	EA	86260	90W61 2-6T K-SERIES ECONOMIZER W/HOOD
1	EA	86319	17W71 T1SNSR60AN1 DIFFERENTIAL ENTHALPY SENSOR
1	EA	86320	53W37 T1DAMP11AT1 MANUAL DAMPER WITH HOOD 16W91
1	EA	86321	53W78 C1SNSR44AP1 SMOKE DETECTOR SUPPLY OR RTN

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Specifications—KGB 14 SEER Units with Direct Drive Blower

General Data	Nominal Tonnage	2 Ton	2.5 Ton	3 Ton	4 Ton	5 Ton
	Model Number	**KGB024S4D**	**KGB030S4D**	**KGB036S4D**	**KGB048S4D**	**KGB060S4D**
	Shipping Weight	591	593	594	631	661
	Dimensions (H x W x D)	38-7/8 x 85-1/4 x 47				
	Efficiency Type	Standard	Standard	Standard	Standard	Standard
Cooling Performance	Gross Cooling Capacity (Btuh)	24,800	31,200	38,500	49,700	61,900
	Net Cooling Capacity (Btuh)	24,200	30,200	37,200	47,500	59,500
	ARI Rated Airflow (cfm)	840	1,010	1,140	1,600	1,760
	Total Unit Power	1.9	2.4	2.9	4.1	5.0
	SEER (BTUH/Watt)[1]	14.0	14.0	14.0	14.0	14.0
	EER (BTUH/Watt)	12.7	11.5	12.5	11.5	11.8
	Refrigerant Charge Furnished	4 lbs. 3 oz.	5 lbs. 1 oz.	5 lbs. 9 oz.	5 lbs. 6 oz.	6 lbs. 13 oz.
Sound Rating Number (dB)[2]		74	74	74	74	79
Compressor Type	One Per Unit	Scroll	Scroll	Scroll	Scroll	Scroll
Condenser Coil	Net face area (Sq. Ft.)	11.7	11.7	14.5	14.5	17.8
	Tube diameter (In.)	3/8	3/8	3/8	3/8	3/8
	Number of rows	1.0	1.0	1.0	1.0	1.0
	Fins per inch	23	23	23	23	23
Condenser Fan	Motor Horsepower (HP)	1/4	1/4	1/4	1/4	1/3
	Motor rpm	825	825	825	825	1075
	Total Motor watts	250	250	250	250	370
	Diameter (In.) - No. of blades	24 – 3	24 – 3	24 – 3	24 – 3	24 – 3
	Total air volume (cfm)	3,100	3,100	3,300	3,300	4,700
Evaporator Coil	Net face area (Sq. Ft.)	7.8	7.8	7.8	7.8	9.7
	Tube diameter (In.)	3/8	3/8	3/8	3/8	3/8
	Number of rows	2	3	3	3	4
	Fins per inch	14	14	14	14	14
	Drain Connection (No. and Size)	(1)1 in. NPT	(1) 1 in. NPT	(1) 1 in. NPT	(1) 1 in. NPT	(1) 1 in. NPT
	Expansion device type	Balanced Port Thermostatic Expansion Valve, removable power head				
Standard Indoor Blower and Drive	Nominal motor HP	.25	.25	.5	.5	.75
	Wheel nominal diameter x width (In.)	10 x 10	10 x 10	10 x 10	10 x 10	11 x 10
Filters	Type of filter	Disposable,				
	Number and size (In.)	(4) 16 x 20 x 2				
Electrical Characteristics – 60 Hz		208/230V 1 Phase	208/230V 1 Phase	208/230V 1 Phase 208/230V, 460V & 575V 3 Phase	208/230V 1 Phase 208/230V, 460V & 575V 3 Phase	208/230V 1 Phase 208/230V, 460V & 575V 3 Phase

[1] Certified in accordance with USE certification program, which is based on ARI Standard 210/240, 95° F outdoor air temperature and 80° F db/67° F wb entering evaporator air, minimum external duct static pressure.

[2] Sound Rating Number rated in accordance with test conditions included in ARI Standard 270.

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Specifications—KGA 13 SEER Units with Direct Drive Blower

General Data	Nominal Tonnage	2 Ton	2.5 Ton	3 Ton	4 Ton	5 Ton
	Model Number	**KGA024S4D**	**KGA030S4D**	**KGA036S4D**	**KGA048S4D**	**KGA060S4D**
	Shipping Weight	591	593	594	631	661
	Dimensions (H x W x D)	38-7/8 x 85-1/4 x 47				
	Efficiency Type	Standard	Standard	Standard	Standard	Standard
Cooling Performance	Gross Cooling Capacity (Btuh)	24,400	29,800	37,500	50,000	61,800
	Net Cooling Capacity (Btuh)	23,600	28,800	36,000	48,000	59,000
	ARI Rated Airflow (cfm)	840	1,000	1,200	1,600	1,800
	Total Unit Power	2.1	2.6	3.4	4.4	5.3
	SEER (BTUH/Watt)[1]	13.0	13.0	13.0	13.0	13.0
	EER (BTUH/Watt)	11.4	11.2	10.7	11	11.2
	Refrigerant Charge Furnished	7 lbs. 0 oz.	7 lbs. 12 oz.	8 lbs. 5 oz.	8 lbs. 10 oz.	11 lbs. 0 oz.
Sound Rating Number (dB)		75	75	75	75	82
Compressor Type	One Per Unit	Scroll	Scroll	Scroll	Scroll	Scroll
Condenser Coil	Net face area (Sq. Ft.)	15.6	15.6	15.6	15.6	15.6
	Tube diameter (In.)	3/8	3/8	3/8	3/8	3/8
	Number of rows	1.0	1.0	1.0	1.5	2.0
	Fins per inch	20	20	20	20	20
Condenser Fan	Motor Horsepower (HP)	1/4	1/4	1/4	1/4	1/3
	Motor rpm	825	825	825	825	1075
	Total Motor watts	250	250	250	250	370
	Diameter (In.) - No. of blades	24 – 3	24 – 3	24 – 3	24 – 3	24 – 3
	Total air volume (cfm)	3,700	3,700	3,700	3,500	4,300
Evaporator Coil	Net face area (Sq. Ft.)	7.8	7.8	7.8	7.8	7.8
	Tube diameter (In.)	3/8	3/8	3/8	3/8	3/8
	Number of rows	3	3	3	3	4
	Fins per inch	14	14	14	14	14
	Drain Connection (No. and Size)	(1)1 in. NPT	(1) 1 in. NPT	(1) 1 in. NPT	(1) 1 in. NPT	(1) 1 in. NPT
	Expansion device type	Balanced Port Thermostatic Expansion Valve, removable power head				
Standard Indoor Blower and Drive	Nominal motor HP	.25	.25	.5	.5	.75
	Wheel nominal diameter x width (In.)	10 x 10	10 x 10	10 x 10	10 x 10	11 x 10
Filters	Type of filter	Disposable,				
	Number and size (In.)	(4) 16 x 20 x 2				
Electrical Characteristics – 60 Hz		208/230V 1 Phase	208/230V 1 Phase	208/230V 1 Phase 208/230V, 460V & 575V 3 Phase	208/230V 1 Phase 208/230V, 460V & 575V 3 Phase	208/230V 1 Phase 208/230V, 460V & 575V 3 Phase

[1] Certified in accordance with USE certification program, which is based on ARI Standard 210/240, 95° F outdoor air temperature and 80° F db/67° F wb entering evaporator air, minimum external duct static pressure.

[2] Sound Rating Number rated in accordance with test conditions included in ARI Standard 270.

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Specifications—KGA 13 SEER Units with Belt Drive Blower

General Data	Nominal Tonnage	6 Ton	7.5 Ton
	Model Number	**KGA072S4B**	**KGA090S4B**
	Shipping Weight	760	865
	Dimensions (H x W x D)	38-7/8 x 85-1/4 x 46-7/8	
	Efficiency Type	Standard	Standard
Cooling Performance	Gross Cooling Capacity (Btuh)	72,800	92,000
	Net Cooling Capacity (Btuh)[1]	70,000[1]	90,000[1]
	ARI Rated Airflow (cfm)	2,100	2,660
	Total Unit Power	6.3	8.2
	EER (BTUH/Watt)	11.2[1]	11.2[1]
	Refrigerant Charge Furnished	14 lbs. 12 oz.	17 lbs. 0 oz.
Sound Rating Number (dB)[2]		82	79
Compressor Type	One Per Unit	Scroll	Scroll
Condenser Coil	Net face area (Sq. Ft.)	19.3	28.0
	Tube diameter (In.)	3/8	3/8
	Number of rows	2	2
	Fins per inch	20	20
Condenser Fan	Motor Horsepower (HP)	1/3	1/3
	Motor rpm	1075	1075
	Total Motor watts	405	350
	Diameter (In.) - No. of blades	24-3	24-4
	Total air volume (cfm)	4,800	4,900
Evaporator Coil	Net face area (Sq. Ft.)	9.7	9.7
	Tube diameter (In.)	3/8	3/8
	Number of rows	4	4
	Fins per inch	14	14
	Drain Connection (No. and Size)	(1) 3/4 in. NPT	(1) 3/4 in. NPT
	Expansion device type	Balanced Port Thermostatic Expansion Valve, removable power head	
Standard Indoor Blower and Drive	Nominal motor HP	1.5 hp, 2 hp	1 hp, 3 hp
	Wheel nominal diameter x width (In.)	10 x 10	15 x 9
Filters	Type of filter	Disposable	
	Number and size (In.)	(4) 20 x 20 x 2	(4) 20 x 20 x 2
Electrical Characteristics – 60 Hz		208/230V, 460V & 575V 3 Phase	208/230V, 460V & 575V 3 Phase

[1] Certified in accordance with USE certification program, which is based on ARI Standard 210/240, 95° F outdoor air temperature and 80° F db/67° F wb entering evaporator air, minimum external duct static pressure.

[2] Sound Rating Number rated in accordance with test conditions included in ARI Standard 270.

KCB & KCA Electric/Electric Packaged Units

2 to 7.5 Tons, R-410A



Cabinet

- Heavy-gauge steel panels and full perimeter heavy-gauge galvanized steel base rail.
- Shipped in downflow configuration; field convertible to horizontal air flow.
- Access panels are hinged and have quarter-turn, latching handles for quick and easy access.

Heating System

- Heat exchanger: Tubular construction, aluminized steel, life cycle tested.
- Electronic pilot ignition.

Warranties

- Limited 10-year on aluminized heat exchanger
- Limited 5-year on compressor
- Limited 1-year on all other covered components

Cooling System

- Designed to maximize sensible and latent cooling performance at design conditions.
- Scroll compressors used for high performance, reliability and quiet operation.
- Copper tube coil construction, enchanced rippled-edge aluminum fins, with flared shoulder tubing connections. Leak tested.
- Outdoor coil fan motor is thermal overload protected, enclosed, permanently lubricated ball bearings, shaft up, basket mount

Approvals

- ETL and CSA listed
- ASHRAE 90.1 compliant

KCB 14 SEER Units, 2 to 5 Tons, Direct Drive, Non-Stock — Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86185	KCB024S4DN-P AC289 208/230V 1PH 2T 14 SEER DIRECT DRIVE PKG A/C
1	EA	86186	KCB030S4DN-P AC290 208/230V 1PH 2.5T 14 SEER DIRECT DRIVE PKG A/C
1	EA	86187	KCB036S4DN-P AC291 208/230V 1PH 3T 14 SEER DIRECT DRIVE PKG A/C
1	EA	86188	KCB048S4DN-P AC292 208/230V 1PH 4T 14 SEER DIRECT DRIVE PKG A/C
1	EA	86189	KCB060S4DN-P AC293 208/230V 1PH 5T 14 SEER DIRECT DRIVE PKG A/C

KCA 13 SEER Units, 3 to 5 Tons, Direct Drive, Non-Stock

1	EA	86251	KCA036S4DN-Y L0865 208/230V 3PH 3T DIRECT DR PKG AC
1	EA	86252	KCA036S4DN-G L0863 460V 3PH 3T DIRECT DR PKG AC
1	EA	86310	KCA048S4DN-Y L0870 208/230V 3PH 4T DIRECT DR PKG AC
1	EA	86311	KCA048S4DN-G L0867 460V 3PH 4T DIRECT DR PKG AC
1	EA	86254	KCA060S4DN-Y L0876 208/230V 3PH 5T DIRECT DR PKG AC
1	EA	86255	KCA060S4DN-G L0874 460V 3PH 5T DIRECT DR PKG AC

KCA 13 SEER Units, 7.5 Tons, Belt Drive, Non-Stock

1	EA	86257	KCA090S4BN-Y V9864 208/230V 3PH 7.5T BELT DR PKG AC
1	EA	86318	KCA090S4BN-G V9863 460V 3PH 7.5T BELT DR PKG AC

Accessories

1	EA	86029	11F51 14" 2-6T K-SERIES 16W94 CLIP LOCK ROOF CURB - DOWNFLOW
1	EA	86324	14W32 7.5KW 2-5T 208/240V 1PH HEAT KIT T1EH0075AN1P
1	EA	86328	14W33 15KW 3-5T 208/240 1PH HEAT KIT T1EH0150AN1P
1	EA	86331	14W34 22.5KW 5T 208/240V 1PH HEAT KIT T1EH0225AN1P
1	EA	86325	14W35 7.5KW 3-7.5T 208/24V 3PH HEAT KIT T1EH0075AN1Y
1	EA	86329	14W36 15KW 3-7.5T 208/240V 3PH HEAT KIT T1EH0150AN1Y
1	EA	86332	14W37 22.5KW 5-7.5T 208/240V 3PH HEAT KIT T1EH0225AN1Y
1	EA	86334	14W38 30KW 6-7.5T 208/240V 3PH HEAT KIT T1EH0300N-1Y
1	EA	86326	14W39 7.5 KW 3-7.5T 460V 3PH HEAT KIT T1EH0075AN1G
1	EA	86330	14W40 15KW 3-7.5T 460V 3PH HEAT KIT T1EH0150AN1G
1	EA	86333	14W41 22.5KW 5-7.5T 460V 3PH HEAT KIT T1EH0225AN1G
1	EA	86335	14W42 30KW 6-7.5T 460V 3PH HEAT KIT T1EH0300N-1G
1	EA	86417	17W45 T1HECK00AN-1 HORIZ ECONO CONVERSION KIT
1	EA	86336	20W15 80 AMP 2-5T DISCONNECT T2DISC080A-1 80A
1	EA	86337	20W16 150 AMP 2-5T DISCONNECT T2DISC150A-1 150A
1	EA	86338	20W18 80 AMP 6-7.5T DISCONNECT T2DISC080N-1 80A
1	EA	86339	20W19 150 AMP 6-7.5T DISCONNECT T2D1SC150N-1 150A
1	EA	86455	27G86 FLUSH CEILING DIFFUSER
1	EA	86454	27G87 STEP DOWN CEILING DIFFUSER
1	EA	68348	29G08 FD11-95 CONCENTRIC DIFF-FLUSH
1	EA	86327	30W26 10KW 2-2.5T 208/240V 1PH HEAT KIT T1EH0100A1P
1	EA	86322	41W33 LOW AMBIENT KIT K1SNSR33AN1
1	EA	61677	53W34 3-6T K-SERIES MANUAL DAMPER W/HOOD-C1DAMP11A
1	EA	86350	53W64 SINGLE ENTHALPY CONTROL C1SNSR64FF1
1	EA	86321	53W78 C1SNSR44AP1 SMOKE DETECTOR SUPPLY OR RTN
1	EA	86260	90W61 2-6T K-SERIES ECONOMIZER W/HOOD

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Specifications—KCB 14 SEER Units, 2 to 5 Tons, Direct Drive

General Data	Nominal Tonnage	**2 Ton**	**2.5 Ton**	**3 Ton**	**4 Ton**	**5 Ton**
	Model No.	KCBO24S4D	KCB030S4D	KCB036S4D	KCB048S4D	KCB060S4D
	Efficiency Type	Standard	Standard	Standard	Standard	Standard
Coding	Blower Type	Mu.lti-speed, Direct Drive				
Performance	Gross Cooling Cap. (Btuh)[1]	24,800	31,200	38,500	49,700	61,900
	Net Cooling Cap. (Btuh)[1]	24,200	30,200	37,200	47,500	59,500
	AHRI Rated Air Flow (CFM)	840	1010	1140	1600	1760
	Sound Rating (dBA)	74	74	74	74	79
	Total Unit Power (Kw)	1.9	2.4	2.9	4.1	5.0
	SEER (Btuh/Watt)[1]	14.0	14.0	14.0	14.0	14.0
	EER (Btuh/Watt)[1]	12.7	11.55	12.5	11.5	11.8
Refrigerant	Type	R-410A	R-410A	R-410A	R-410A	R-410A
	Charge Furnished	4 lbs. 3 oz.	5 lbs. 1 oz.	5 lbs. 9 oz.	5 lbs. 6oz.	6 lbs. 13oz.
Electric Heat Available		5, 7.5, 10kW	5, 7.5, 10kW	7.5, 15 kW	7.5, 15 kW	7.5, 15, 22.5 KW
Compressor Type (One per Unit)		Scroll	Scroll	Scroll	Scroll	Scroll
Outdoor Coil	Net Face Area (Sq. Ft.)	11.7	11.7	14.5	14.5	17.8
	Number of Rows	1	1	1	1	1
	Fins / Inch	23	23	23	23	23
Outdoor Coil Fan	Motor HP	(1) 1/4	(1) 1/4	(1) 1/4	(1) 1/4	(1) 1/3
	Motor RPM	825	825	825	825	1075
	Total Motor Watts	250	250	250	250	250
	Diameter (In.)	24	24	24	24	24
	Number of Blades	3	3	3	3	3
	Total Air Volume (CFM)	3100	3100	3300	3300	4700
Indoor Coil[2]	Net Face Area (Sq. Ft.)	7.8	7.8	7.8	7.8	9.7
	Tube Diameter (In.)	3/8	3/8	3/8	3/8	3/8
	Number of Rows	2	3	3	3	4
	Fins per Inch	14	14	14	14	14
	Drain Connection (No. and Size) (In.)	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT
Indoor Blower	Nominal Motor HP	0.25 hp	0.25 hp	0.5 hp	0.5 hp	0.75 hp
	Wheel Nominal Dia. x Width (In.)	(1) 10 x 10	(1) 10 x 10	(1) 10 x 10	(1) 10 x 10	(1) 11 x 10
Filters	Type	Disposable	Disposable	Disposable	Disposable	Disposable
	Number and Size (In.)	(4) 16 x 20 x 2	(4) 16 x 20 x 2	(4) 16 x 20 x 2	(4) 16 x 20 x 2	(4) 20x 20 x 2
Electrical	3-Phase, 60 Hz.	208/230v 1 phase	208/230v 1 phase	208/230v 1 phase	208/230v 1 phase	208/230v 1 phase

[1]Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction. AHRI Certified to AHRI Standard 210/240: 95°F outdoor air temperature and 80° F db/67° F wb entering evaporator air; minimum external duct static pressure.

[2]Expansion Device Type: Balanced Port Thermostatic Expansion Valve, removable power head

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Specifications—KCA 13 SEER Units, 3 to 7.5 Tons

General Data	Nominal Tonnage	**3 Ton**	**4 Ton**	**5 Ton**	**7.5 Ton**
	Model No.	KCA036S4D	KCA048S4D	KCA060S4D	KCA090S4B
	Efficiency Type	Standard	Standard	Standard	Standard
	Blower Type	Single Speed Belt Drive	Single Speed Belt Drive	Single Speed Belt Drive	Single Speed Belt Drive
Cooling Performance	Gross Cooling Cap. (Btuh) [1]	37,500	50,000	61,800.	92,000
	Net Cooling Cap. (Btuh) [1]	36,000	48,000	59,000	90,000
	AHRI Rated Air Flow (CFM)	1200	1600	1800	2430
	Sound Rating (dBA)	75	75	82	79
	Total Unit Power (Kw)	3.4	4.4	5.3	8.2
	SEER (Btuh/Watt) [1]	13.0	13.0	13.0	11.4
	EER (Btuh/Watt) [1]	10.7	11.0	11.2	11.2
Refrigerant	Type	R-410A	R-410A	R-410A	R-410A
	Charge Furnished	7 lbs. 12 oz.	8 lbs. 12 oz.	12 lbs. 8 oz.	8 lbs. 8 oz.
Electric Heat Available		7.5, 15 kW	7.5, 15 kW	7.5, 15, 22.5 kW	7.5, 15, 22.5, 30 kW
Compressor Type (One per Unit)		Scroll	Scroll	Scroll	Scroll
Outdoor Coil	Net Face Area (Sq. Ft.)	15.6	15.6	15.6	24.2
	Tube Diameter (In.)	(1) 3/8	(1) 3/8	(1) 3/8	(1) 3/8
	Number of Rows	1	1.5	2	1
	Fins / Inch	20	20	20	23
Outdoor Coil Fan	Motor HP	1/4	1/4	1/3	1/2
	Motor RPM	825	825	1075	1075
	Total Motor Watts	250	250	370	520
	Diameter (In.)	24	24	24	24
	Number of Blades	3	3	3	4
	Total Air Volume (CFM)	3700	3500	4300	5300
Indoor Coil	Net Face Area (Sq. Ft.)	7.8	7.8	7.8	9.7
	Tube Diameter (In.)	3/8	3/8	3/8	3/8
	Number of Rows	3	3	4	4
	Fins per Inch	14	14	14	14
	Drain Connection (No. and Size) (In.)	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT
	Expansion Device Type	Refrigerant Metter Orifice ((RFC)	Refrigerant Metter Orifice ((RFC)	Refrigerant Metter Orifice ((RFC)	Refrigerant Metter Orifice ((RFC)
Indoor Blower	Nominal Motor HP	0.5 hp	0.5 hp	0.75 ph	1 hp
	Wheel Nominal Dia. x Width (In.)	(1) 10 x 10	(1) 10 x 10	(1) 11 x 10	(1) 15 x 9
Filters	Type	Disposable	Disposable	Disposable	Disposable
	Number and Size (In.)	(4) 16 x 20 x 2	(4) 16 x 20 x 2	(4) 16 x 20 x 2	(4) 20 x 20 x 2
Electrical	3-Phase, 60 Hz.	208/230V, 460V & 575V 3 phase	208/230V, 460V & 575V 3 phase	208/230V, 460V & 575V 3 phase	208/230V, 460V & 575V 3 phase

[1]Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction. AHRI Certified to AHRI Standard 210/240: 95°F outdoor air temperature and 80° F db/67° F wb entering evaporator air; minimum external duct static pressure.

*Available Drive Kit:
AA02, 632-875 rpm
AA03, 798-1105 rpm
3 HP
3.45 HP
AA04, 921-1228 rpm

KGA Packaged Gas/Electric Rooftop Units

7.5 to 12.5 Tons, R-410A



Cabinet

- Heavy-gauge steel panels and full perimeter heavy-gauge galvanized steel base rail.
- Units are shipped in downflow (vertical) configuration and can be field converted to horizontal air flow.
- Large access panels are hinged and have quarter-turn, latching handles for quick and easy access to maintenance areas.

Heating System

- Heat exchanger: Tubular construction, aluminized steel, life cycle tested.
- Electronic pilot ignition.

Warranties and Approvals

- Limited 10-year warranty on aluminized heat exchanger.
- Limited 5-year warranty on compressor.
- Limited 1-year on all other covered components
- ETL and CSA listed.
- ASHRAE 90.1 compliant.

Cooling System

- Designed to maximize sensible and latent cooling performance at design conditions.
- Scroll compressors used for high performance, reliability and quiet operation.
- Copper tube coil construction, enchanced rippled-edge aluminum fins, with flared shoulder tubing connections, and silver soldered construction for improved heat transfer. Factory leak tested.
- Outdoor coil fan motor is thermal overload protected, totally enclosed, permanently lubricated ball bearings, shaft up, wire basket mount.

KGA 7.5 to 12.5 Tons, Belt Drive with Economizer and Damper Installed — Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86058	KGA092S4BM-Y V9162 208/230V 3PH 7.5T 180KB GAS/ELEC W/ECON&DAMP
1	EA	86060	KGA092S4BM-G V9157 460V 3PH 7.5T 180KB GAS/ELEC W/ECON&DAMP
1	EA	86062	KGA102S4BM-Y V9170 208/230V 3PH 8.5T 180KB GAS/ELEC W/ECON&DAMP
1	EA	86063	KGA102S4BM-G V9168 460V 3PH 8.5T 180KB GAS/ELEC W/ECON&DAMP NS
1	EA	86067	KGA120S4BH-Y V9180 208/230V 3PH 10T 240KB GAS/ELEC W/ECON&DAMP
1	EA	86069	KGA120S4BH-G V9175 460V 3PH 10T 240KB 240KB GAS/ELEC W/ECON&DAMP
1	EA	86071	KGA150S4BH-Y V9194 208/230V 3PH 12.5T 240KB GAS/ELEC W/ECON&DAMP
1	EA	86073	KGA150S4BH-G V9191 460V 3PH 12.5T 240KB GAS/ELEC W/ECON&DAMP

KGA 7.5 to 12.5 Tons, Belt Drive, Non-Stock

1	EA	86057	KGA092S4BM-Y V9161 208/230V 3PH 7.5T 180KB GAS/ELEC ROOFTOP NS
1	EA	86059	KGA092S4BM-G V9158 460V 3PH 7.5T 180KB GAS/ELEC ROOFTOP NS
1	EA	86061	KGA102S4BM-Y V9171 208/230V 3PH 8.5T 180KB GAS/ELEC ROOFTOP NS
1	EA	86064	KGA120S4BH-Y V9179 208/230V 3PH 10T 240KB GAS/ELEC ROOFTOP NS
1	EA	86068	KGA120S4BH-G V9176 460V 3PH 10T 240KB GAS/ELEC ROOFTOP NS
1	EA	86070	KGA150S4BH-Y V9195 208/230V 3PH 12.5T 240KB GAS/ELEC ROOFTOP NS
1	EA	86072	KGA150S4BH-G V9192 460V 3PH 12.5T 240KB GAS/ELEC ROOFTOP NS

Accessories

1	EA	86082	11F55 (54W47) 14" 7.5-12.5T K-SERIES CLIP LOCK ROOF CURB - DOWNFLOW
1	EA	86354	11K76 C1SNSR44B-1 SMOKE DETECTOR (53W80)
1	EA	68348	29G08 FD11-95 CONCENTRIC DIFF-FLUSH
1	EA	68349	29G09 FD11-135 DIFFUSER FLUSH
1	EA	65969	49K56 LASRT15 LASRT15 CONCENTRIC DIFFUSR TRANS
1	EA	86352	51W25 K1HECK00B-1 HORIZONTAL DISCHARGE KIT
1	EA	65967	53K04 7.5-12.5T HORIZONTAL BAROMETRIC RELIEF DAMPER
1	EA	86351	53W48 MANUAL DAMPER W/HOOD-T1DAMP10B
1	EA	86350	53W64 SINGLE ENTHALPY CONTROL C1SNSR64FF1
1	EA	86355	54W16 LOW AMBIENT KIT K1SNSR33B-1
1	EA	86349	54W55 K1ECON20B-1 ECONOMIZER DOWNFLOW HORIZONTAL
1	EA	86369	54W56 80 AMP DISCONNECT C1DISC080B-1
1	EA	86370	54W57 150 AMP DISCONNECT C1DISC150B-1
1	EA	86356	54W95 C1GPKT01B-01 BOTTOM GAS PIPING KIT
1	EA	86340	74M70 GFI SERVICE OUTLET LTAGIK10/15

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Specifications, KGA 7.5 to 12.5 Ton Units

General Data	Nominal Tonnage	7.5 Ton	8.5 Ton	10 Ton	12.5 Ton
	Model Number	**KGA092S4B**	**KGA102S4B**	**KGA120S4B**	**KGA150S4B**
	Shipping Weight	1075	1095	1135	1225
	Dimensions (H x W x D)	46-7/8 x 101-1/4 x 60-1/8			
	Efficiency Type	Standard	Standard	Standard	Standard
Cooling Performance	Gross Cooling Capacity (BTUH)	88,900	100,500	119,600	144,800
	Net Cooling Capacity (BTUH[1])	86,000	97,000	115,000	138,000
	ARI Rated Airflow (CFM)	3,000	3,400	3,800	4,300
	Total Unit Power	7.8	8.8	10.4	12.8
	EER (BTUH/Watt)[1]	11	11	11	10.8
	IEER (BTUH/Watt)[1]	11.2	11.2	11.2	11
	Refrigerant Charge Furnished (Circuit 1/Circuit2)	7 lbs. 8 oz./ 7 lbs. 0 oz.	8 lbs. 8 oz./ 8 lbs. 8 oz.	10 lbs. 0 oz./ 10 lbs. 0 oz.	14 lbs. 0 oz./ 12 lbs. 0 oz.
Compressor Type (No.)		Scroll (2)	Scroll (2)	Scroll (2)	Scroll (2)
Condenser Coil	Net Face Area (Sq. Ft.)	20.42	24.5	28.0	28.0
	Tube Diameter (In.)	3/8	3/8	3/8	3/8
	Number of Rows	2	2	2	3
	Fins per Inch	20	20	20	20
Condenser Fan	Motor Horsepower (HP)	(2) 1/3	(2) 1/3	(2) 1/3	(2) 1/2
	Motor RPM	1075	1075	1075	1075
	Total Motor Watts	670	670	670	830
	(No.) Diameter In.	(2) 24			
	No. of Blades	3	3	3	3
	Total Air Volume (cfm)	7,200	7,400	7,800	8,800
Evaporator Coil	Net Face Area (Sq. Ft.)	12.78	12.78	12.78	13.54
	Tube Diameter (In.)	3/8	3/8	3/8	3/8
	Number of Rows	2	2	3	4
	Fins per Inch	14	14	14	14
	Drain Connection (No.)	(1) 1 in. NPT coupling			
	Expansion Device Type	Balanced Port TXV, removable power head			
Standard Indoor Blower and Drive	Nominal Motor HP	2 hp, 3 hp, 5 hp			
	Wheel Nominal Diameter x Width (In.)	(1) 15 x 15			
Filters	Type of Filter	Disposable			
	Number and Size (In.)	(4) 20 x 25 x 2			
Electrical Characteristics – 60 Hz		208/230V, 460V or 575V, 60 Hz, 3 Phase			

NOTE:
Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

[1] Certified in accordance with USE certification program, which is based on ARI Standard 210/240, 95° F outdoor air temperature and 80° F db/67° F wb entering evaporator air, minimum external duct static pressure.

Gas Heat Specifications

Heat Input Type			Standard	Medium	High
Number of Gas Heat Stages			2	2	2
Gas Heating Performance	Input Btuh	First Stage	84,500	117,000	156,000
		Second Stage	130,000	180,000	240,000
	Output Btuh	Second Stage	104,000	144,000	192,000
Temperature Rise Range (°F)			15 - 45	30 - 60	40 - 70
Thermal Efficiency (%)			80		
Gas Supply Connections			3/4 in. NPT		
Recommended Gas Supply Pressure - in W.G.		Natural	7 in. w.c.		
		LPG/Propane	11 in. w.c.		

KCA Electric/Electric Packaged Units

7.5 to 12.5 Ton, R-410A



Cabinet

- Heavy-gauge steel panels and full perimeter heavy-gauge galvanized steel base rail.
- Shipped in downflow (vertical) configuration; can be field converted to horizontal air flow.
- Large access panels are hinged and have quarter-turn, latching handles for quick and easy access to maintenance areas.

Heating System

- Heat exchanger: Tubular construction, aluminized steel, life cycle tested.
- Electronic pilot ignition.

Warranties

- Limited 10-year on aluminized heat exchanger.
- Limited 5-year on compressor.
- Limited 1-year on all other covered components

Cooling System

- Designed to maximize sensible and latent cooling performance at design conditions.
- Scroll compressors used for high performance, reliability and quiet operation.
- Copper tube coil construction, enchanced rippled-edge aluminum fins, with flared shoulder tubing connections, and silver soldered construction. Factory leak tested.
- Outdoor coil fan motor is thermal overload protected, totally enclosed, permanently lubricated ball bearings, shaft up, wire basket mount.

Approvals

- ETL and CSA listed.
- ASHRAE 90.1 compliant.

KCA, 7.5 to12.5 Tons, Belt Drive Constant Air Volume (CAV), Non-Stock **Prices Available on Request**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86342	KCA092S4BN-G V9145 460V 3PH 7.5T BELT DRIVE PKG AC
1	EA	86341	KCA092S4BN-Y V9147 208/208V 3PH 7.5T BELT DRIVE PKG AC
1	EA	86344	KCA102S4BN-G V9148 460V 3PH 8.5T BELT DRIVE PKG AC
1	EA	86343	KCA102S4BN-Y V9150 208/230V 3PH 8.5T BELT DRIVE PKG AC
1	EA	86346	KCA120S4BN-G V9151 460V 3PH 10T BELT DRIVE PKG AC
1	EA	86345	KCA120S4BN-Y V9153 208/230V 3PH 10T BELT DRIVE PKG AC
1	EA	86348	KCA150S4BN-G V9188 460V 3PH 12.5T BELT DRIVE PKG AC
1	EA	86347	KCA150S4BN-Y V9190 208/230V 3PH 12.5T BELT DRIVE PKG AC

Accessories

1	EA	86082	11F55 (54W47) 14" 7.5-12.5T K-SERIES CLIP LOCK ROOF CURB - DOWNFLOW
1	EA	86354	11K76 C1SNSR44B-1 SMOKE DETECTOR (53W80)
1	EA	63138	29G06 RTD11-185 STEP DOWN DIFFUSER
1	EA	68348	29G08 FD11-95 CONCENTRIC DIFF-FLUSH
1	EA	68348	29G08 FD11-95 CONCENTRIC DIFF-FLUSH
1	EA	68349	29G09 FD11-135 DIFFUSER FLUSH
1	EA	65969	49K56 LASRT15 LASRT15 CONCENTRIC DIFFUSR TRANS
1	EA	86352	51W25 K1HECK00B-1 HORIZONTAL DISCHARGE KIT
1	EA	65967	53K04 7.5-12.5T HORIZONTAL BAROMETRIC RELIEF DAMPER
1	EA	86350	53W64 SINGLE ENTHALPY CONTROL C1SNSR64FF1
1	EA	86351	53W48 MANUAL DAMPER W/HOOD-T1DAMP10B
1	EA	86349	54W55 K1ECON20B-1 ECONOMIZER DOWNFLOW HORIZONTAL
1	EA	86369	54W56 80 AMP DISCONNECT C1DISC080B-1
1	EA	86370	54W57 150 AMP DISCONNECT C1DISC150B-1
1	EA	86356	54W95 C1GPKT01B-01 BOTTOM GAS PIPING KIT
1	EA	86353	54W96 C1CONV10B-1 RETURN AIR ADAPTER PLATE
1	EA	86367	55W02 60KW 10-12.5T 208V 3PH HEAT KIT F/KC/KH C1EH0600B-1Y
1	EA	86368	55W03 60KW 10-12.5T 460V 3PH HEAT KIT F/KC/KH C1EH0600B-1G
1	EA	86357	56W38 7.5KW 7.5-8.5T 208V 3PH HEAT KIT F/KC/KH C1EH0075B-1Y
1	EA	86358	56W39 7.5KW 7.5-8.5T 460V 3PH HEAT KIT F/KC/KH C1EH0075B-1G
1	EA	86359	56W41 15KW 7.5-12.5T 208V 3PH HEAT KIT F/KC/KH C1EH0015B-1Y
1	EA	86360	56W42 15KW 7.5-12.5T 460V 3PH HEAT KIT F/KC/KH C1EH0150B-1G
1	EA	86361	56W44 22.5 7.5-12.5T 208V 3PH HEAT KIT F/KC/KH C1EH0225B-1Y
1	EA	86362	56W45 22.5 7.5-12.5T 460V 3PH HEAT KIT F/KC/KH C1EH0225B-1G
1	EA	86363	56W47 30 7.5-12.5T 208V 3PH HEAT KIT F/KC/KH C1EH0300B-1Y
1	EA	86364	56W48 30 7.5-12.5T 460V 3PH HEAT KIT F/KC/KH C1EH0300B-1G
1	EA	86365	56W50 45KW 7.5-12.5T 208V 3PH HEAT KIT F/KC/KH C1EH0450B-1Y
1	EA	86366	56W51 45KW 7.5-12.5T 460V 3PH HEAT KIT F/KC/KH C1EH0450B-1G
1	EA	86340	74M70 GFI SERVICE OUTLET LTAGIK10/15

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Specifications—KCA 7.5 to 12 Tons, Belt Drive

General Data	Nominal Tonnage	**7.5 Ton**	**8.5 Ton**	**10 Ton**	**12.5 Ton**
	Model No.	KCA092S4B	KCA102S4B	KCA120S4B	KCA150S4B
	Efficiency Type	Standard	Standard	Standard	Standard
	Blower Type	Constant Air Volume (CAV)			
Cooling Performance	Gross Cooling Cap. (Btuh) [1]	88,200	99,600	118,400	142,600
	Net Cooling Cap. (Btuh) [1]	86,000	97,000	115,000	138,000
	AHRI Rated Air Flow (CFM)	3000	3400	3800	4100
	Total Unit Power (Kw)	7.7	8.7	10.3	12.3
	EER (Btuh/Watt) [1]	11.2	11.2	11.2	11.2
	IEER (Btuh/Watt) [1]	12.0	12.0	12.0	11.6
	Refrigerant Type	R-410A	R-410A	R-410A	R-410A
	Charge Furnished (Circuit 1)	4 lbs. 3 oz.	3 lbs. 12 oz.	4 lbs. 12 oz.	7 lbs. 4 oz.
	Charge Furnished (Circuit 2)	3 lbs. 6 oz.	3 lbs. 12 oz.	4 lbs. 10 oz.	6 lbs. 12 oz.
Electric Heat Available		7.5, 15, 22.5, 30 & 45 KW	7.5, 15, 22.5, 30 & 45 KW	7.5, 15, 22.5, 30 & 45 KW	7.5, 15, 22.5, 30 & 45 KW
Compressor Type (Number)		Scroll (2)	Scroll (2)	Scroll (2)	Scroll (2)
Outdoor Coil	Net Face Area (Sq. Ft.)	20.9	20.9	28.0	28.0
	Number of Rows	1	1	1	1
	Fins / Inch	23	23	23	20
Outdoor Coil Fan	Motor (No.) HP	(2) 1/3	(2) 1/3	(2) 1/3	(2) 1/2
	Motor RPM	1075	1075	1075	1075
	Total Motor Watts	740	740	690	1050
	Diameter (No.) In.	(2) 24	(2) 24	(2) 24	(2) 24
	Number of Blades	3	3	3	3
	Total Air Volume (CFM)	8800	8800	9300	9700
Indoor Coil	Net Face Area (Sq. Ft.)	12.78	12.78	12.78	13.54
	Tube Diameter (In.)	3/8	3/8	3/8	3/8
	Number of Rows	2	2	3	4
	Fins per Inch	14	14	14	14
	Drain Connection (No. and Size) (In.)	(1) 1 in. NPT Coupling	(1) 1 in. NPT Coupling	(1) 1 in. NPT Coupling	(1) 1 in. NPT Coupling
	Expansion Device Type	Refrigerant Metering Orifice (RFC)			
Indoor Blower	Nominal Motor HP	2, 3, 5 HP			
	Max. Usable Motor Output (US Only)	2.3, 3.45, 5.75 HP			
	Wheel Nominal Dia. x Width (In.)	(1) 15 x 15	(1) 15 x 15	(1) 15 x 15	(1) 15 x 15
Filters	Type	Disposable	Disposable	Disposable	Disposable
	Number and Size (In.)	(4) 20 x 25 x 2	(4) 20 x 25 x 2	(4) 20 x 25 x 2	(4) 20 x 25 x 2
Electrical	3 Phase, 60 Hz.	208/230V, 460V, 575 V			

[1]Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction. AHRI Certified to AHRI Standard 210/240: 95°F outdoor air temperature and 80° F db/67° F wb entering evaporator air; minimum external duct static pressure.

* Available drive kits.
2 HP: Kit 1 590-890 rpm, Kit 2 800-1105 rpm, Kit 3 795-1195 rpm
3HP: Kit 4 730-970 rpm, Kit 5 940-1200 rpm, Kit 6 1015-1300 rpm
5 HP: Kit 10 900-1135 rpm, Kit 11 1040-1315 rpm, Kit 12 1125-1425 rpm

KGA Packaged Gas/Electric Rooftop Units

15 to 25 Tons, R-410A



Cooling System

- Designed to maximize sensible and latent cooling performance at design conditions.
- Scroll compressors used for high performance, reliability and quiet operation.
- Copper tube coil construction, enhanced rippled-edge aluminum fins, with flared shoulder tubing connections, and silver soldered construction for improved heat transfer. Factory leak tested.
- Outdoor coil fan motor is thermal overload protected, totally enclosed, with permanently lubricated ball bearings, shaft up, wire basket mount.

Heating System

- Heat exchanger: Tubular construction, aluminized steel, life cycle tested.
- Electronic pilot ignition.

Cabinet

- Heavy-gauge steel panels and full perimeter heavy-gauge galvanized steel base rail.
- Units are shipped in downflow (vertical) or horizontal return air configuration.
- Access panels for the filter, blower, and compressor/controls section are hinged and have seals and quarter-turn latching handles to provide a tight air and water seal.

Warranties and Approvals

- Limited 10-year warranty on aluminized heat exchanger.
- Limited 5-year warranty on compressor.
- Limited 1-year on all other covered components

KGA 15 to 25 Tons, Belt Drive, Economizer & Damper Installed, Non-Stock Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86074	KGA180S4BM-Y Z3937 208/230V 3PH 15T 360KB GAS/ELEC W/ECON&DAMP NS
1	EA	86075	KGA180S4BM-G Z3940 460V 3PH 15T 360KB GAS/ELEC W/ECON&DAMP NS
1	EA	86076	KGA210S4BH-Y Z3948 208/230V 3PH 17.5T 480KB GAS/ELEC W/ECON&DAMP NS
1	EA	86077	KGA210S4BH-G Z3947 460V 3PH 17.5T 480KB GAS/ELEC W/ECON&DAMP NS
1	EA	86078	KGA240S4BH-Y Z3958 208/230V 3PH 20T 480KB GAS/ELEC W/ECON&DAMP NS
1	EA	86079	KGA240S4BH-G Z3956 460V 3PH 20T 480KB GAS/ELEC W/ECON&DAMP NS
1	EA	86080	KGA300S4BH-Y Z3968 208/230V 3PH 25T 480KB GAS/ELEC W/ECON&DAMP NS
1	EA	86081	KGA300S4BH-G Z3966 460V 3PH 25T 480KB GAS/ELEC W/ECON&DAMP NS

Accessories

1	EA	86031	11F59 14" 15-25T K-SERIES CLIP LOCK ROOF CURB - DOWNFLOW
1	EA	63122	11T89 26" 15-20T K-SERIES ROOF CURB - HORIZONTAL
1	EA	63121	16K88 24" 15-25T T-SERIES ROOF CURB - DOWNFLOW
1	EA	63131	16K99 15-25T T SERIES HORIZON BAROMETRIC DAMPER W/HOOD
1	EA	63138	29G06 RTD11-185 STEP DOWN DIFFUSER
1	EA	86350	53W64 SINGLE ENTHALPY CONTROL C1SNSR64FF1
1	EA	86386	54W91 80 AMP FOR KGA DISCONNECT C1DISC080C-1
1	EA	86387	54W92 150 AMP FOR KGA DISCONNECT K1DISC150C-1
1	EA	86377	55W72 LOW AMBIENT KIT K1SNSR33C-1
1	EA	86340	74M70 GFI SERVICE OUTLET LTAGIK10/15
1	EA	86383	85M31 BOTTOM GAS PIPING KIT C1PKT1C1
1	EA	86382	83W40 (53W82) SMOKE DETECTOR C1SNSR44C-1

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Specifications, KGA 15 to 25 Ton Units, Cooling

General Data	Nominal Tonnage	15 Ton	17.5 Ton	20 Ton	25 Ton
	Model Number	**KGA180S4B**	**KGA210S4B**	**KGA240S4B**	**KGA300S4B**
	Shipping Weight	2055	2200	2470	2470
	Dimensions (H x W x D)	54-1/4 x 107-3/4 x 91-1/8			
	Efficiency Type	Standard	Standard	Standard	Standard
Cooling Performance	Gross Cooling Capacity (Btuh)	182,000	204,000	238,000	282,000
	Net Cooling Capacity (BTUH [1])	176,000	198,000	228,000	270,000
	ARI Rated Airflow (CFM)	6,000	6,125	7,700	8,750
	Total Unit Power	16.3	18.4	21.1	26.9
	EER (BTUH/Watt)[1]	10.8	10.8	10.8	10.0
	IER (BTUH/Watt) [1]	11.0	11.0	11.0	9.9
	Refrigerant Charge Furnished (Circuit 1/Circuit 2/Circuit 3)	14 lbs. 0 oz/14 lbs. 0 oz./NA	10 lbs. 8 oz./10 lbs. 8 oz./10 lbs. 8 oz.	14 lbs. 0 oz./14 lbs. 0 oz/14 lbs. 0 oz.	14 lbs. 8 oz./14 lbs. 8 oz./14 lbs. 8 oz.
Compressor Type (No.)		Scroll (2)	Scroll (3)	Scroll (3)	Scroll (3)
Condenser Coil	Net Face Area (Sq. Ft.)	41.4	41.4	55.2	55.2
	Tube Diameter (In.)	3/8	3/8	3/8	3/8
	Number of Rows	2	2	2	2
	Fins per Inch	20	20	20	20
Condenser Fan	Motor HorsePower (HP)	(3) 1/3	(3) 1/3	(4) 1/3	(4) 1/3
	Motor RPM	1075	1075	1075	1075
	Total Motor Watts	1100	1100	1500	1500
	(No.) Diameter In.	(3) 24	(3) 24	(4) 24	(4) 24
	No. of Blades	3	3	3	3
	Total Air Volume (CFM)	12,000	12,000	16,000	16,000
Evaporator Coil	Net Face Area (Sq. Ft.)	18.6	21.4	21.4	21.4
	Tube Diameter (In.)	3/8	3/8	3/8	3/8
	Number of Rows	3	3	4	4
	Fins per Inch	14	14	14	14
	Drain Connection (No.)	(1) 1 in. FPT			
	Expansion Device Type	Balanced Port TXV removable power head			
Standard Indoor Blower and Drive	Nominal Motor HP	3 hp, 5 hp, 7.5 hp		5 hp, 7.5 hp, 10 hp	
	Wheel Nominal Diameter x Width (In.)	(2) 15x 15			
Filters	Type of Filter	Fiberglass, Disposable			
	(No.) and Size In.	(6) 24 x 24 x 2			
Electrical Characteristics – 60 Hz		208/230V, 460V or 575V, 60 hz, 3 Phase			

NOTE:

Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

[1] Certified in accordance with USE certification program, which is based on ARI Standard 210/240, 95° F outdoor air temperature and 80° F db/67° F wb entering evaporator air, minimum external duct static pressure.

Specifications, KGA 15 to 25 Ton Units, Gas Heat

Heat Input Type			Standard	Medium	High
Number of Gas Heat Stages			2	2	2
Gas	Input Btuh	First Stage	169,000	234,000	312,000
Heating		Second Stage	260,000	360,000	480,000
Performance	Output Btuh	Second Stage	208,000	288,000	384,000
Temperature Rise Range (°F)			15 - 45	30 - 60	40 - 70
Thermal Efficiency (%)			80		
Gas Supply Connections			1 in. NPT		
Recommended Gas Supply Pressure - in W.G.		Natural	7 in. w.c.		
		LPG/Propane	11 in. w.c.		

KCA Electric/Electric Packaged Units

15 to 25 Tons, R-410A



Cabinet

- Heavy-gauge steel panels and full perimeter heavy-gauge galvanized steel base rail.
- Shipped in downflow (vertical) configuration; can be field converted to horizontal air flow.
- Large access panels are hinged and have quarter-turn, latching handles for quick and easy access to maintenance areas.

Heating System

- Heat exchanger: Tubular construction, aluminized steel, life cycle tested.
- Electronic pilot ignition.

Warranties

- Limited 10-year on aluminized heat exchanger.
- Limited 5-year on compressor.
- Limited 1-year on all other covered components

Cooling System

- Designed to maximize sensible and latent cooling performance at design conditions.
- Scroll compressors used for high performance, reliability and quiet operation.
- Copper tube coil construction, enchanced rippled-edge aluminum fins, with flared shoulder tubing connections, and silver soldered construction. Factory leak tested.
- Outdoor coil fan motor is thermal overload protected, totally enclosed, permanently lubricated ball bearings, shaft up, wire basket mount.

Approvals

- ETL and CSA listed.
- ASHRAE 90.1 compliant.

KCA 15 to 25 Tons, Belt Drive, Non-Stock **Prices Available on Request**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86371	KCA180S4BN-Y Z3935 208/230V 15T BELT DRIVE PKG AC
1	EA	86372	KCA180S4BN-G Z3972 460V 15T BELT DRIVE PKG AC
1	EA	86373	KCA210S4BN-Y Z3946 208/230V 3PH 17.5T BELT DRIVE PKG AC
1	EA	86374	KCA210S4BN-Y Z3945 460V 3PH 17.5T BELT DRIVE PKG AC
1	EA	86375	KCA240S4BN-Y Z3952 208/230V 3PH 20T BELT DRIVE PKG AC
1	EA	86376	KCA240S4BN-G Z3953 460V 3PH 20T BELT DRIVE PKG AC
1	EA	86378	KCA300S4BN-G Z3963 460V 3PH 25T BELT DRIVE PKG AC

Accessories

1	EA	86031	11F59 14" 15-25T K-SERIES CLIP LOCK ROOF CURB - DOWNFLOW
1	EA	63122	11T89 26" 15-20T K-SERIES ROOF CURB - HORIZONTAL
1	EA	63131	16K99 15-25T T SERIES HORIZON BAROMETRIC DAMPER W/HOOD
1	EA	63138	29G06 RTD11-185 STEP DOWN DIFFUSER
1	EA	86350	53W64 SINGLE ENTHALPY CONTROL C1SNSR64FF1
1	EA	86388	53W84 15KW 208/230V 3PH HEAT KIT F/KC/KH C1EH0150C-1Y
1	EA	86389	53W86 15KW 460V 3PH HEAT KIT F/KC/KH C1EH0150C-1G
1	EA	86390	53W92 30KW 208/230V 3PH HEAT KIT F/KC/KH C1EH0300C21Y
1	EA	86391	53W94 30KW 460V 3PH HEAT KIT F/KC/KH C1EH0300C21G
1	EA	86392	54W00 45KW 208/230V 3PH HEAT KIT F/KC/KH C1EH0450C21Y
1	EA	86393	54W02 45KW 460V 3PH HEAT KIT F/KC/KH C1EH0450C21G
1	EA	86394	54W08 60KW 208/230V 3PH HEAT KIT F/KC/KH C1EH0600C21Y
1	EA	86395	54W10 60KW 460V 3PH HEAT KIT F/KC/KH C1EH0600C21G
1	EA	86396	54W12 90KW 208/230V 3PH HEAT KIT F/KC/KH C1EH0900C1-Y
1	EA	86397	54W14 90KW 460V 3PH HEAT KIT F/KC/KH C1EH0900C1-Y
1	EA	86380	54W77 K1ECON20C-1 ECONOMIZER DOWNFLOW-HORIZONTAL
1	EA	86381	54W78 C1DAMP50C DOWNFLOW RELIEF DAMPER W/HOOD
1	EA	86384	54W85 80 AMP DISCONNECT C1DISC080C-1
1	EA	86385	54W86 150 AMP FOR KC/KH DISCONNECT C1DISC150C-1
1	EA	86386	54W91 80 AMP FOR KGA DISCONNECT C1DISC080C-1
1	EA	86387	54W92 150 AMP FOR KGA DISCONNECT K1DISC150C-1
1	EA	86340	74M70 GFI SERVICE OUTLET LTAGIK10/15
1	EA	86382	83W40 (53W82) SMOKE DETECTOR C1SNSR44C-1
1	EA	86383	85M31 BOTTOM GAS PIPING KIT C1PKT1C1

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Specifications—KCA 15 to 25 Tons, Belt Drive

General Data	Nominal Tons	**15**	**17.5**	**20**	**25**
	Model No.	KCA180S4B	KCA210S4B	KCA240S4B	KCA300S4B
	Efficiency Type	Standard	Standard	Standard	Standard
	Blower Type	Constant Air Volume (CAV)			
Cooling Performance	Gross Cooling Cap. (Btuh) [1]	158000	177000	206000	243000
	Net Cooling Cap. (Btuh) [1]	152000	170000	195000	229000
	AHRI Rated Air Flow (CFM)	5753	6125	7700	8750
	Total Unit Power (kW)	13.8	15.5	17.7	22.9
	EER (Btuh/Watt) [1]	11.0	11.0	11.0	10.0
	IEER (Btuh/Watt) [1]	11.2	11.8	11.2	10.1
Refrigerant	Type	R-410A	R-410A	R-410A	R-410A
	Charge Furnished (Circuit 1)	7 lbs. 8 oz.	5 lbs. 12 oz.	7 lbs. 4 oz.	7 lbs. 4 oz.
	Charge Furnished (Circuit 2)	7 lbs. 8 oz.	5 lbs. 8 oz.	7 lbs. 4 oz.	7 lbs. 4 oz.
	Charge Furnished (Circuit 3)		5lbs. 8 oz.	6 lbs. 14 oz.	6 lbs. 14 oz.
Electric Heat Available (kW)		11.5, 23, 34.5, 45.9	11.5, 23, 34.5, 45.9, 68.9		
Compressor Type (Number)		Scroll (2)	Scroll (3)	Scroll (3)	Scroll (3)
Outdoor Coil	Net Face Area (Sq. Ft.)	41.4	41.4	55.2	65.2
	Number of Rows	1	1	1	1
	Fins / Inch	20	20	20	20
Outdoor Coil Fans	Motor (No.) HP	(3) 1/3	(3) 1/3	(4) 1/3	(4) 1/3
	Motor RPM	896	896	896	896
	Total Motor Watts	840	840	1146	1146
	Diameter (No.) In.	(3) 24	(3) 24	(4) 24	(4) 24
	Number of Blades	3	3	3	3
	Total Air Volume (CFM)	10 000	10 000	13 300	13 300
Indoor Coil	Net Face Area (Sq. Ft.)	18.60	21.4	21.4	21.4
	Tube Diameter (In.)	3/8	3/8	3/8	3/8
	Number of Rows	3	3	4	4
	Fins per Inch	14	14	14	14
	Drain Connection No.and Size	(1) 1 in. FPT	(1) 1 in. FPT	(1) 1 in. FPT	(1) 1 in. FPT
	Expansion Device Type	Refrigerant Metering Orifice (RFC)			
Indoor Blower and Drive Selection [2]	Nominal Motor (HP)	3	3	5	5
	Max. Usable Motor (HP)	3.45	3.45	5.75	5.75
	Kit No. (rpm)	3 (571-721) 4 (708-871)	3 (571-721) 4 (708-871)	3 (571-721) 4 (708-871) 5 (788-988)	3 (571-721) 4 (708-871) 5 (788-988)
	Nominal Motor (HP)	5	5	7.5	7.5
	Max. Usable Motor (HP)	5.75	5.75	8.6	8.6
	Kit No. (rpm)	3 (571-721) 4 (708-871) 5 (788-988)	3 (571-721) 4 (708-871) 5 (788-988)	6 (708-871) 7 (788-988) 8 (871-1071)	6 (708-871) 7 (788-988) 8 (871-1071)
	Nominal Motor (HP)	7.5	7.5	10	10
	Max. Usable Motor (HP)	8.6	8.6	11.5	11.5
	Kit No. (rpm)	6 (708-871) 7 (788-988) 8 (871-1071)	6 (708-871) 7 (788-988) 8 (871-1071)	7 (788-988) 10 (871-1071) 11 (945-1138)	7 (788-988) 10 (871-1071) 11 (945-1138)
	Wheel Nominal Dia. x Width (In.)	(2) 15 x 15	(2) 15 x 15	(2) 15 x 15	(2) 15 x 15
Filters	Type	Fiberglass, Disposable	Fiberglass, Disposable	Fiberglass, Disposable	Fiberglass, Disposable
	Number and Size (In.)	(6) (24 x 24 x 2)	(6) (24 x 24 x 2)	(6) (24 x 24 x 2)	(6) (24 x 24 x 2)
Electrical	3 Phase, 50 Hz.	380/420V	380/420V	380/420V	380/420V

[1]Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction. Rating test conditions are those included in AHRI Standard 340/360: 95°F outdoor air temperature and 80° F db/67° F wb entering evaporator air; minimum external duct static pressure while operating at rated voltage and air volumes.

[2]Using total air volume and system static pressure requirements determine from blower performance tables rev/min and motor output required. Maximum usable output of motors furnished are shown. See Belt Drive Specification Table for maximum usable motor output. If motors of comparable output are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

Armstrong Parts

Handling charge used for in-warranty compressors, heat exchangers, and parts.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99999	HANDLING CHARGE	

Warranties

1	EA	91693	4 YR LTD WARR	
1	EA	91694	4 YR LTD WARR	
1	EA	91695	4 YR LTD WARR	

Armstrong Air/AirEase Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	84822	10A34 103828-01 45 QUICK CONNECT ELECTRODE LEAD	
1	EA	86845	10A49 605996-71 HEAT EXCHANGER ASSEMBLY	
1	EA	86847	10A50 605996-72 HEAT EXCHANGER ASSEMBLY	
1	EA	86848	10A52 605996-74 HEAT EXCHANGER ASSEMBLY	
1	EA	86849	10A54 605996-76 HEAT EXCHANGER ASSEMBLY	
1	EA	86850	10A55 605996-77 HEAT EXCHANGER ASSEMBLY	
1	EA	87840	10A56 605996-78 HEAT EXCHANGER 71W72	
1	EA	84825	10A85 103181-03 2 STG NAT GAS VALVE	
1	EA	84958	10B70 610587-03 MODULE KIT	
1	EA	84959	10B71 610587-04 MODULE KIT	
1	EA	84960	10B73 610587-06 MODULE KIT	
1	EA	84961	10B74 610587-07 MODULE KIT	
1	EA	87894	10B75 610587-08 MODULE KIT 84W11	
1	EA	84887	10B84 610587-17 MODULE KIT	
1	EA	84962	10B85 610587-18 MODULE KIT	
1	EA	84963	10B92 610587-19 MODULE KIT	
1	EA	87908	10B94 610587-21 MODULE KIT 84W18	
1	EA	84994	10F73 100438-04 25FLA 35RES SPST CONTACTOR	
1	EA	84824	10F76 101432-05 PRESSURE SWITCH	
1	EA	85181	10F95 610261-15 COLLECTOR BOX	
1	EA	69179	10G19 K3 CONTACTOR R43727-001	
1	EA	60023	10G44 LB-29333BBP BLOWER WHEEL	
1	EA	84826	10G93 100811-03 350F LIMIT CONTROL	
1	EA	85243	10H26 607308-10 IGNITION CONTROL KIT	
1	EA	84991	10J68 101995-28 2T P R410A INTERLINK COMPRESSOR	
1	EA	84889	10J73 103827-01 SPST COMBUSTION SWITCH	
1	EA	84968	10J76 609451-03 WIRING HARNESS	
1	EA	67667	10K28 27K50 PRESSURE SWITCH	
1	EA	84888	10M22 102858-02 2IN DRAIN ELBOW	
1	EA	60024	10M76 LIMIT CONTROL	
1	EA	61396	10T46 101701-06 4T P BRISTOL COMPRESSOR 41W95	
1	EA	84997	10T60 101995-26 1.5T P R410A INTERLINK COMPRESSOR	
1	EA	85180	10U38 605927-22 96% 97% MODULATING NIGHT SERVICE KIT A96MV/A97MV	
1	EA	84834	10U40 103884-01 24VAC SPST HI PRESSURE SWITCH	
1	EA	85126	10U92 103132-03 2 STAGE TORQUE IGN CONTROL	
1	EA	84987	10U93 605187-01 .65 PRESSURE SWITCH KIT 104018-01	
1	EA	84988	10U94 605187-02 .90 PRESSURE SWITCH KIT 104018-02	
1	EA	60680	10W36 100335-25 55/7.5 MFD @ 440 V DUAL ROUND START CAPACITOR	
1	EA	61445	10W57 R45632-001 CIRCUIT BOARD	
1	EA	60944	10W77 R100481-02 EXPANSION VALVE	
1	EA	63993	10W78 R100060-13 22IN 4 BLADE 24 PITCH FAN	
1	EA	84827	10W81 100600-04 4MFD @ 370V CAPACITOR	
1	EA	61099	10W82 100484-11 .061 ORIFICE	
1	EA	61098	10W83 100484-17 .068 ORIFICE KIT	
1	EA	87962	10W85 100484-21 .072 RFC PISTON KIT	
1	EA	61110	10W86 100484-28 .080 R39332B080 RFC PISTON KIT	
1	EA	61111	10W87 100484-32 .084 ORIFICE KIT R39332B084	
1	EA	87963	10W89 100484-37 .090 RFC PISTON KIT	
1	EA	63239	10W93 100484-04 .051 RFC PISTON KIT	
1	EA	61095	10W95 R39332B055 .055 ORIFICE	
1	EA	61107	10W99 100484-15 .065 RFC PISTON KIT	
1	EA	64972	10Y24 LB-109531A 83M00 SURELIGHT REPLACEMENT KIT	
1	EA	84813	11A83 CR22K6E-PFV-875 COMPRESSOR	
1	EA	85174	11A84 CR288K6E-PFV-875 COPE COMPRESSOR	
1	EA	87110	11A90 CR38K6E PFV-875 COPE COMP	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87111	11A94 CR24K6E-PFV-875 COPE COMP	
1	EA	87967	11B06 CR20K6E-PFV-875 COMPRESSOR 86W66 101063-28	
1	EA	85975	11B97 612651-01 MILD WEATHER KIT	
1	EA	87174	11C29 104056-02 ZR21K5E-PFV-800 COPE COMPRESSOR	
1	EA	87172	11C33 104056-06 ZR48K5E-PFV-800 COPE COMPRESSOR	
1	EA	87171	11C34 104056-07 ZR54K5E-PFV-800 COPE COMPRESSOR	
1	EA	87183	11C35 10405608 ZR26K53-PFV 800 COPE COMPRESSOR	
1	EA	84998	11C36 ZR42K5E-PFV-800 COPE COMPRESSOR	
1	EA	87112	11C37 ZR32K5E-TF5-800 COPE COMP	
1	EA	87178	11C44 ZR48K5E-TF5-800 COPE COMPRESSOR	
1	EA	87113	11C46 ZR54K5E-TF5-800 COPE COMP	
1	EA	87167	11G34 R103408-01 COMMUNICATING CONTROL MODULE	
1	EA	85145	11K56 104052-1 ZP16KAE PFV-830 COPELAND COMPRESSOR	
1	EA	87116	11K63 104052-02 20KAE-PFV-830 COPE COMPRESSOR	
1	EA	87161	11K69 104112-07 ZP29K6E-PFV-830 COPE COMPRESSOR	
1	EA	85151	11U59 610261-34 COLLECTOR BOX 103370-48	
1	EA	85152	11U60 610261-35 COLLECTOR BOX 103370-49	
1	EA	87862	11W00 100484-16 .067 RFC PISTON KIT	
1	EA	61102	11W01 100484-20 .071 R39332B071 RFC PISTON KIT	
1	EA	61108	11W02 100484-22 .073 R39332B073 RFC PISTON KIT	
1	EA	61101	11W04 100484-26 .078 ORIFICE KIT	
1	EA	87964	11W07 100484-31 .083 RFC PISTON KIT	
1	EA	64886	11W10 100484-38 .091 RFC PISTON KIT	
1	EA	61104	11W11 100484-40 .093 RFC PISTON KIT	
1	EA	86839	11W47 R45633-001 MOTOR HARNESS	
1	EA	61088	11W48 R45827-001 TRANSFORMER	
1	EA	60635	11W84 R100214-01 3CU FILTER DRIER	
1	EA	61379	11W93 100197-06 1PH CR24K7-PFV-130 COMPRESSOR	
1	EA	87118	11X28 104112-06 ZP25K6E-PFV-830 COMPRESSOR	
1	EA	87119	11X29 46132-080 2.5 CT DF MOTOR	
1	EA	87120	11X30 104112-08 ZP31K6E-PFV-830 COMPRESSOR	
1	EA	87121	11X32 46132-079 2.5T HP BLOWER CONTROL MOTOR	
1	EA	87122	11X33 46132-076 5T HP/AC BLOWER CONTROL MOTOR	
1	EA	87123	11X34 46132-081 3T HP BLOWER CONTROL MOTOR	
1	EA	87124	11X36 46132-082 3T CT DF BLOWER CONTROL MOTOR	
1	EA	85244	11X37 605996-89 HEAT EXCHANGER	
1	EA	85153	11X38 605996-90 612216-06 2STG HEAT EXCHANGER ASSY	
1	EA	85245	11X41 605996-92 1 STG HEAT EXCHANGER	
1	EA	87162	11X75 100483-42 1/6HP 208-230/60/1 FAN MOTOR	
1	EA	94559	12218 35MFD 370V RUN CAPACITOR ROUND	
1	EA	94560	12721 40MFD 370V RUN CAP ROUND	
1	EA	94592	12748 45MFD 440V RUN CAPACITOR ROUND	
1	EA	94543	12905 5MFD 370V RUN CAP OVAL	
1	EA	94545	12907 7.5MFD 370V RUN CAP OVAL	
1	EA	94546	12908 10MFD 370V RUN CAP OVAL	
1	EA	94548	12910 15MFD 370V RUN CAP OVAL	
1	EA	94553	12915 25MFD 370V RUN CAP OVAL	
1	EA	87169	12F49 100483-41 1/10HP 208-230 FAN MOTOR	
1	EA	87125	12J54 100269-04 DEFROST CONTROL BOARD	
1	EA	87126	12J55 46132-077 2T 1/3HP VARIABLE SPD PROG MOTOR	
1	EA	87127	12J56 104112-03 ZP20K6E-PFV-830 COMPRESSOR	
1	EA	87128	12J57 104112-11 ZP40K6E-PFV-830 COMPRESSOR	
1	EA	87129	12J58 104112-13 ZP49K6E-PFV-830 COMPRESSOR	
1	EA	87130	12J59 104112-14 ZP51K6E-PFV-830 COMPRESSOR	
1	EA	87131	12J98 46132-078 1/3HP VARIABLE SPEED BLOWER MOTOR	
1	EA	87132	12J99 104278-01 IGNITION CONTROL	
1	EA	87133	12K41 613057-01 3TU VEST SM HEAT EXCHANGER	
1	EA	87134	12K42 613057-02 4TU VEST SM HEAT EXCHANGER	
1	EA	87135	12K44 613057-03 5TU W VEST SM HEAT EXCHANGER	
1	EA	87136	12K45 613057-04 4TU VEST LG HEAT EXCHANGER	
1	EA	87137	12K49 613057-05 5TU VEST LG HEAT EXCHANGER	
1	EA	87138	12K50 613057-06 6TU VEST LG HEAT EXCHANGER	
1	EA	87139	12K79 613057-07 7TU VEST LG HEAT EXCHANGER	
1	EA	87140	12K98 104070-01 INDUCED DRAFT BLOWER	
1	EA	87141	12L09 104160-01 FLAME SENSOR	
1	EA	87142	12L10 100202-05 .25HP 1075 RPM BLOWER MOTOR	
1	EA	87143	12L11 100202-06 .333HP 1075RPM BLOWER MOTOR	
1	EA	87144	12L12 100202-07 1/3HP 1050RPM BLOWER MOTOR	
1	EA	87145	12L13 100202-08 .50HP 1120RPM BLOWER MOTOR	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87146	12L14 104079-01 10X6 BLOWER HOUSING WHEEL	
1	EA	87147	12L16 104079-02 10X8 HOUSING & WHEEL BLOWER	
1	EA	87148	12L17 104079-03 10X10 HOUSING & WHEEL BLOWER	
1	EA	87149	12L18 104079-04 12X9 HOUSING & WHEEL BLOWER	
1	EA	87150	12L20 100087-14 HI PRESSURE SWITCH	
1	EA	87151	12L21 100087-15 LO PRESSURE SWITCH	
1	EA	60026	12M55 LB62533CC BLOWER ASSEMBLY	
1	EA	87152	12P03 101995-17 AQA039KAB INTERLINK COMPRESSOR	
1	EA	87154	12P50 46132-075 5TG DF 126 VARIABLE SPEED MOTOR	
1	EA	87155	12P56 100060-34 24IN 4 BLADE 27PTH CCW FAN ASSEMBLY	
1	EA	87942	12W53 R20293411 (HIGH FIRE) PRESSURE SWITCH	
1	EA	63315	12W64 R20556101 IGNITION FAN CONTROL BOARD	
1	EA	87181	12Y16 103204-07 3HP 208/230-3 MOTOR	
1	EA	84843	12Y43 104575-01 R410A 460V-3 ABA051WAA COMPRESSOR	
1	EA	61599	12Y44 104575-02 4.5T Y R410 230V INTERLINK COMPRESSOR	
1	EA	84845	12Y45 104575-03 R410A 575V-3 ABA051TAA COMPRESSOR	
1	EA	85139	12Y46 104575-04 4.5T INTERLINK COMPRESSOR	
1	EA	87179	13E01 610491-03 INDOOR COIL	
1	EA	87180	13E02 610638-02 ENVIRON OUTDOOR COIL	
1	EA	60028	13H28 TRANSFORMER	
1	EA	60048	13H36 1/4HP 1PH 208/230V 825RPM CONDENSER FAN MOTOR	
1	EA	60049	13H39 3/4HP 208/230V 1PH 1075 RPM BLOWER MOTOR	
1	EA	63019	13L09 R42725-004 COMPRESSOR PLUG	
1	EA	87927	13P93 HN L4064B2210 11-1/2 FAN & LIMIT CONTROL	
1	EA	85130	13U60 614943-01 DEFROST CONTROL KIT	
1	EA	87168	13W13 099018600 FAN RELAY	
1	EA	60945	13W51 R100481-03 3T R22 EXPANSION VALVE	
1	EA	60681	13W87 100335-34 50/7.5 @ 440V ROUND START CAPACITOR	
1	EA	87846	13X22 614580-14 HEAT EXCHANGER 612222-28	
1	EA	86855	13X24 614580-16 612216-45 ML-1STG HEAT EXCHANGER ASSY	
1	EA	85132	13X29 614580-21 1STG 612216-07 HEAT EXCHANGER ASSEMBLY	
1	EA	85129	13Y19 614045-04 1.5-3T EXPANSION VALVE ASSEMBLY	
1	EA	94499	14005 5MFD 370V USA RUN CAPACITOR OVAL	
1	EA	94500	14007 7.5MFD 370V USA RUN CAPACITOR OVAL	
1	EA	94501	14008 10MFD 370V USA RUN CAPACITOR OVAL	
1	EA	94502	14009 12.5MFD 370V RUN USA CAPACITOR OVAL	
1	EA	94503	14010 15MFD 370V USA RUN CAPACITOR OVAL	
1	EA	87187	14A39 606569-05 UH MODULATING PRESSURE SWITCH 104547-01	
1	EA	87182	14A43 104549-01 2-ST PRESSURE SWITCH	
1	EA	87184	14A44 104549-02 2STG .60/-.35 PRESSURE SWITCH	
1	EA	87170	14A45 104549-03 2ST 90/-.50 PRESSURE SWITCH	
1	EA	87185	14A46 104549-04 2STG -.81/-.45 PRESSURE SWITCH	
1	EA	87186	14A53 104549-11 2STG .70/-.40 PRESSURE SWITCH	
1	EA	61773	14C45 100463-09 CAPACITOR	
1	EA	85147	14C94 607308-13 KIT-IGN CNTRL 103131-05	
1	EA	85135	14D50 612998-01 612998-02 HEAT EXCHANGER ASSEMBLY	
1	EA	87834	14D52 612998-03 HEAT EXCHANGER 610280-05	
1	EA	87835	14D53 612998-04 HEAT EXCHANGER 610280-06	
1	EA	87837	14D55 612998-06 HEAT EXCHANGER 610280-11	
1	EA	85134	14D56 612998-07 610280-12 HEAT EXCHANGER ASSEMBLY	
1	EA	87849	14D61 74W59 HEAT EXCHANGER	
1	EA	85242	14F83 104056-32 ZR57KCE-TF5-830 COMP COMPRESSOR	
1	EA	85146	14F90 104056-35 ZR61K3E-PFV-830 COPE COMPRESSOR	
1	EA	60050	14K10 BLOWER MOTOR	
1	EA	60051	14K12 3HP 3PH 200/230/460V BLOWER MOTOR	
1	EA	67530	14K58 AV178TT-043-A4 COMPRESSOR R38867B004	
1	EA	60054	14K92 TEMPERATURE SENSOR	
1	EA	67458	14L33 R40154B008 WHITE LIMIT SWITCH	
1	EA	85149	14T64 104936-01 1.00/.25 UH PRESSURE SWITCH	
1	EA	85150	14Y53 607308-14 IGNITION CONTROL KIT	
1	EA	85175	15D57 614943-02 DEFROST CONTROL ASSY	
1	EA	60055	15M20 PRESSURE SWITCH	
1	EA	64197	15M35 R100213-02 COMPRESSOR PLUG	
1	EA	60058	15M42 MANUAL RESET SWITCH	
1	EA	60060	15M43 MANUAL RESET SWITCH	
1	EA	60061	15M44 MANUAL RESET SWITCH	
1	EA	60642	15M47 208/230V 1PH CR34K6-PFV-830 COMPRESSOR	
1	EA	60912	15M79 4T COMPRESSOR	
1	EA	60377	15M88 R20390666 208/230V 1PH ZR61K3-PFV-130 COMPRESSOR	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	85170	15T95 607308-18 IGN CNTRL KIT	
1	EA	60908	15W10 R100040-07 3T R410A COPE COMPRESSOR	
1	EA	60904	15W21 R100052-10 2.5T 230V COPE COMPRESSOR	
1	EA	60645	15W56 .43 PRESSURE SWITCH	
1	EA	62623	15W75 10X10 BD LB-29333BDA BLOWER WHEEL	
1	EA	62624	15W76 10X10 DD LB-29333BDB BLOWER WHEEL	
1	EA	62626	15W77 11X10 BD LB-29333BDC BLOWER WHEEL	
1	EA	62637	15W85 LB-112079B HEAT EXCHANGER	
1	EA	62639	15W86 LB-112079A HEAT EXCHANGER	
1	EA	85173	15Y45 105133-04 4.5T P R22 INTERLINK COMPRESSOR	
1	EA	86605	16596 LB-29333BM WHEEL	
1	EA	85177	16D74 105241-01 CT1S45 BB1201 TIME DELAY RELAY	
1	EA	60145	16W84 11 X 8 LB-29333BDD BLOWER WHEEL	
1	EA	65314	17W09 100121-29 208/230V 1PH ZR26K3-PFV-130 COMPRESSOR	
1	EA	62198	17W56 LB-111888A KIT FURNACE TRANSFORMER	
1	EA	61117	17W82 LB-91097C R42451-002 IGNITION CONTROL KIT	
1	EA	62640	18M65 GAS VALVE	
1	EA	84823	18W53 ZP54K5E-TF5-830 4.5T Y A COPE COMPRESSOR	
1	EA	60016	19M54 065310400 IGNITION CONTROL REPLACEMENT KIT LF/LD24	
1	EA	61091	19W04 LB-112090B 1 SPD 230V COMBUSTION BLOWER	
1	EA	67833	19W66 76700452 DELAY RELAY	
1	EA	61697	19W88 100972-01 40VA 120/24 TRANSFORMER	
1	EA	66710	19W94 LB-84495B IGNITION CONVERSION KIT	
1	EA	87929	20054001 FPA INDUCER BLOWER 70625019	
1	EA	67665	20J90 IGNITOR ELECTRODE	
1	EA	67666	20J91 ELECTRODE SENSOR-FLAME	
1	EA	87878	20W14 100060-19 FAN ASSEMBLY	
1	EA	62644	20W27 100792-01 1/2 HP 1PH 208/230V MOTOR	
1	EA	63150	20W29 100792-03 MTR 3/4HP1PH208/230V1075 1075RPM 2S MOTOR	
1	EA	63273	20W33 100811-01 ROLLOUT SWITCH	
1	EA	62646	20W36 100847-04 LIMIT CONTROL	
1	EA	62663	20W37 100847-06 LIMIT CONTROL	
1	EA	86606	21708 LB-29333BJ WHEEL	
1	EA	86629	21709 LB-29333BH WHEEL	
1	EA	61543	21J94 R40162B001 FLUE TRAP BOOT	
1	EA	86545	21L90 100648-02 1/5HP 115V BLOWER MOTOR 51W87	
1	EA	60630	21W10 R100060-11 26IN 4BLADE 22PITCH FAN	
1	EA	64579	21W14 101029-01 IGNITION CONTROL	
1	EA	84838	22J52 22J5201 RELAY	
1	EA	84868	22J53 22J5301 RELAY	
1	EA	60874	22W04 R07489B001 BLOWER RELAY	
1	EA	64066	22W71 100432-03 7/8IN SERVICE VALVE	
1	EA	60684	22W78 R100600-01 5 @ 370 CAPACITOR	
1	EA	60687	22W79 7.5 @ 370 R100600-02 CAPACITOR	
1	EA	60690	22W80 R100600-03 10 @ 370 CAPACITOR	
1	EA	67568	23G81 INDUCER DRAFT BLOWER	
1	EA	67569	23G83 24IN FAN	
1	EA	60094	23L45 W111204014 IGNITION LEAD	
1	EA	61911	23L53 65312200 CONTROL CIRCUIT BOARD	
1	EA	60097	23M32 LB-95941 WIRING HARNESS	
1	EA	60616	23W26 R100087-02 25PSI +/-5 AUTO RESET LOW PRESSURE SWITCH	
1	EA	63209	23W38 2.5T P 101086-01 COMPRESSOR	
1	EA	60903	23W91 R100121-18 ZR32K3-TF5-130 2.5T 230V COMPRESSOR	
1	EA	67388	24H77 LOW AMBIENT KIT F/SCU13	
1	EA	87900	24W95 LB-113219A CAI BLOWER REPL KIT	
1	EA	67571	25G22 1/2HP 1PH 208/230V FAN MOTOR	
1	EA	86536	25M60 210 LIMIT CONTROL	
1	EA	84828	25W15 100483-09 1/4HP 460/60 825RPM FAN MOTOR	
1	EA	84829	25W16 100483-07 1/3HP 460/60 1075RPM FAN MOTOR	
1	EA	62703	25W57 100035-04 IGNITION WIRE	
1	EA	87879	25W66 1/4HP FAN MOTOR 100640-02	
1	EA	87874	25W67 100654-01 FAN ASSEMBLY	
1	EA	67452	26L61 R40154B001 VIOLET LIMIT SWITCH	
1	EA	86537	26W38 10463-04 40 MFD @ 370V ROUND CAPACITOR	
1	EA	67668	27K58 1/20HP 1PH 115V 65313400 FAN MOTOR	
1	EA	61376	27K60 10IN 65256400 FAN BLADE	
1	EA	67669	27K61 65256500 INDUCER DRAFT BLOWER	
1	EA	66980	27K79 65257300 LIMIT CONTROL	
1	EA	84830	27M18 LB-99225 .052 PSC 1075RPM CCW ORIFICE	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64238	27W16 100040-03 ZP24K5E-PFV-130 COMPRESSOR	
1	EA	86538	28F01 3/4HP 1PH 115V MOTOR	
1	EA	67573	28G36 ELECTRODE SENSOR	
1	EA	67577	28G66 INDUCE DRAFT BLOWER	
1	EA	67578	28G87 1/3HP 1PH 208/230V FAN MOTOR	
1	EA	66005	28M88 R47465-001 1/2HP 120V 1PH MOTOR	
1	EA	65883	28M89 R47462-001 1/3HP 115V 1PH MOTOR	
1	EA	63804	28M95 20430701 GAS/IGNITION CONTROL SMART VALVE II (RS45390-002)	
1	EA	87917	28M97 20467102 FLAME SENSOR	
1	EA	87883	28W85 ZP51K5E-TF5 4.5T Y COMPRESSOR 100040-26	
1	EA	62706	28W90 100035-01 34IN IGNITION WIRE	
1	EA	62709	28W91 100035-02 70IN IGNITION WIRE	
1	EA	63274	28W92 100035-03 58IN IGNITION WIRE	
1	EA	63307	29M75 LIMIT CONTROL	
1	EA	87863	29W09 100335-39 70/10 @ 440V ROUND CAPACITOR	
1	EA	85182	33445 P-8-6733 BEIGE PAINT	
1	EA	63294	38113 P-8-7716 CONTACTOR	
1	EA	67462	30M03 BLUE/WHITE LIMIT SWITCH R40154B014	
1	EA	63242	30W24 100060-21 FAN ASSEMBLY	
1	EA	61470	30W33 LB-90701C IGNITION CONTROL KIT	
1	EA	61028	30W34 R38707B001 IGNITION CONTROL	
1	EA	87163	31G67 BLOWER WHEEL	
1	EA	62712	31L45 7.5HP 3PH 230/460V MOTOR	
1	EA	60655	32M93 100121-23 1PH ZR42K3-PFV-130 COMPRESSOR	
1	EA	87864	32W18 101086-05 2T P R22 COMPRESSOR	
1	EA	63208	32W19 2T P 101086-06 COMPRESSOR	
1	EA	87865	32W39 101086-04 4.5T P R22 COMPRESSOR	
1	EA	68664	33H36 R07408B003 MOTOR MOUNTING ARM	
1	EA	68666	33H39 R38180C001 MOTOR MOUNTING BAND	
1	EA	65823	33H45 R47466-001 3/4HP 115V 1PH MOTOR	
1	EA	60129	33H74 R01254A008 12X9 BLOWER WHEEL	
1	EA	60964	33H78 R01851A007 BLUE LIMIT SWITCH	
1	EA	87106	33M12 LB-101202E HEAT EXCHANGER	
1	EA	63227	33M14 LB-101202G HEAT EXCHANGER	
1	EA	87899	33W12 1/2HP VSP 240/60/1 MOTOR 101564-01	
1	EA	87901	33W13 1HP 240/60/1 VAR SPD MOTOR	
1	EA	86540	33W32 LB94724L COMBUSTION AIR BLOWER MOTOR	
1	EA	85155	33W96 LB-8717ODK COND COIL ASSY	
1	EA	87156	34W44 4507 1/2X3/4 REVERSING VALVE	
1	EA	86640	34W65 652086600 1/8 HP 115/60/1 FAN MOTOR	
1	EA	67419	35K59 R47464-001 1/3HP 1PH 1075RPM BLOWER MOTOR	
1	EA	67807	35K70 R41917-002 COMBUSTION CHAMBER	
1	EA	67808	35K71 R41924-002 COMBUSTION CHAMBER	
1	EA	60792	36H72 R36634C002 TRANSFORMER RELAY	
1	EA	67792	36K14 R01851A017 GREEN/WHITE LIMIT SWITCH	
1	EA	60278	36K20 R47463-001 1/2HP BLOWER MOTOR	
1	EA	86541	36M22 LB-29333BCW WHEEL	
1	EA	85156	36W51 LB-87170DL COND COIL ASSY	
1	EA	60893	36W90 44935 PINK LIMIT CONTROL R46105-007	
1	EA	87975	38M45 38M4501 TRANSFORMER	
1	EA	62713	39L14 BLOWER SHAFT	
1	EA	63275	39W65 101502-01 7.5HP 200-230/60/3 MOTOR	
1	EA	60100	39W76 1010685-01 M1-8 IMC REPLACEMENT KIT	
6	EA	95858	40005 1/2 IN HUB	
1	EA	60702	41307 9X7 BLOWER WHEEL	
1	EA	60740	41327 10X8 BLOWER WHEEL	
1	EA	60741	41333 10X10 BLOWER WHEEL	
1	EA	60699	41365 9X9 BLOWER WHEEL	
1	EA	60739	41510 10 5/8 D X 10 5/8 W BLOWER WHEEL	
1	EA	86542	42J32 TRANSFORMER	
1	EA	62199	40W01 50M72 R20394208 50/5 MFD @ 370 RND DUAL CAPACITOR R38514D018	
1	EA	87866	40W58 101086-02 3T P R22 COMPRESSOR	
1	EA	87867	40W59 101086-03 3.5T P R22 COMPRESSOR	
1	EA	60115	41G52 LB-21259 KEY	
1	EA	60134	41L28 LB-66258 BLR WHEEL KEY	
1	EA	63481	41K35 R39514B001 GAS VALVE	
1	EA	63179	41W14 100335-42 35/7.5 @ 440V ROUND CAPACITOR	
1	EA	69173	41W15 45/5 MFD @ 370V CAPACITOR R38514D011 89M79	
1	EA	65906	41W49 R47477-001 1/8HP FAN MOTOR	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87977	41W54 65915601 1/2HP 240V BLOWER MOTOR	
1	EA	61400	41W96 R101701-03 1PH BRISTOL COMPRESSOR	
1	EA	87902	42W47 3/4HP 240/60/1 VAR SPD MOTOR 101564-03	
1	EA	64055	42W58 R100145-06 REVERSING VALVE	
1	EA	63818	42W59 100145-09 REVERSING VALVE	
1	EA	62714	42W94 LB-74930 460/75VA TRANSFORMER KIT	
1	EA	84957	43H81 GROMMET	
1	EA	69207	43H89 K10 CONDENSER RELAY	
1	EA	64137	43K30 65238200 INDUCED DRAFT BLOWER	
1	EA	87109	43L40 2T P (H) CR22K6E-PFV-875 COPE COMP	
1	EA	60656	43L41 R38864C007 1PH CR28K6-PFV-170 COMPRESSOR	
1	EA	86831	43W37 100060-23 FAN ASSEMBLY	
1	EA	63983	43W49 97M49 1/5 HP 208/230V 1PH 1075RPM FAN MOTOR 100483-02 100483-21	
1	EA	60136	44L48 FLAME SENSOR	
1	EA	60137	44L58 ELECTRODE IGNITION LEAD	
1	EA	60638	44W12 R100215-01 R22 BIFLOW DRIER 95M49	
1	EA	64860	44W29 602107-01 2SP COMBUSTION AIR BLOWER	
1	EA	84836	44W30 602107-02 2SP/1PH 208/230V COMBUSTION AIR BLOWER	
1	EA	60141	45C51 FAN	
1	EA	84837	45E01 102931-09 41.5 208/230V 3PH INTERLINK COMPRESSOR	
1	EA	61702	45F08 T6-1469 COMPRESSOR LOW AMBIENT CUT-OFF	
1	EA	67796	45H58 05640B013 OIL BROWN NOZZLE	
1	EA	60148	45K25 GASKET	
1	EA	86543	45M36 LB-29333BCY WHEEL	
1	EA	62718	46G18 W095304020 RED IGNITION LEAD	
1	EA	60149	46G41 LB-56689CB BRACKET	
1	EA	68665	46K05 R07408B008 MOTOR MOUNTING ARM	
1	EA	60965	46K06 R01851A021 GRAY LIMIT SWITCH	
1	EA	60970	46K07 R01851A027 GREEN LIMIT SWITCH	
1	EA	68660	46K08 WHITE AUXILLARY LIMIT SWITCH R01851A034	
1	EA	61316	46K11 FAN BLADE R39294B001	
1	EA	67589	46K12 18IN FAN BLADE R41141-001	
1	EA	60542	46K14 R47476-001 .9HP 208/230V 1PH 1100RPM BLOWER MOTOR	
1	EA	63033	46K18 R39271B001 BURNER	
1	EA	67446	46K65 06429D355 ABLOW-1 BLOWER CONTROL	
1	EA	61312	46K67 R47181-001 DEFROST CONTROL	
1	EA	67456	46K69 RED LIMIT SWITCH R40154B006	
1	EA	67457	46K70 R40154B007 PINK LIMIT SWITCH	
1	EA	67459	46K71 GOLD LIMIT SWITCH R40154B009	
1	EA	67460	46K72 R40154B012 YELLOW/WHITE LIMIT CONTROL	
1	EA	67463	46K73 R40154B015 RED/WHITE LIMIT SWITCH	
1	EA	65014	46K88 R47429-001 1/4HP 208/230V 1075RPM FAN MOTOR	
1	EA	61430	46K91 R40622-001 HEAT EXCHANGER	
1	EA	61431	46K92 R40622-002 HEAT EXCHANGER	
1	EA	61432	46K93 R40622-003 4 CELL HEAT EXCHANGER	
1	EA	61433	46K94 R40622-004 5 CELL HEAT EXCHANGER	
1	EA	61434	46K95 R40622-005 HEAT EXCHANGER	
1	EA	87940	46W17 100463-03 7.5MFD @ 370V ROUND CAPACITOR	
1	EA	87976	46W18 100463-05 15 MFD @ 370V ROUND CAPACITOR	
1	EA	61020	46W19 100463-06 20 MFD @ 370V CAPACITOR 58W04	
1	EA	84839	47E01 102931-11 30.5 208/230V 1PH INTERLINK COMPRRESSOR	
1	EA	68677	47K00 RS41117-005 ASSEMBLY BLOWER HOUSING	
1	EA	67594	47K02 R41520-002 ELECTRODE LEAD	
1	EA	67380	47K04 R39718B002 MANIFOLD	
1	EA	69877	47K09 R39030B019 #42 NATURAL GAS ORIFICE	
1	EA	87882	47K14 TIME DELAY RELAY R40715-001	
1	EA	67583	47K15 R41099-001 SOLENOID	
1	EA	61112	47K17 .30 YELLOW PRESSURE SWITCH R45695-001	
1	EA	60609	47K18 R37520B005 GREEN ROLLOUT SWITCH	
1	EA	60503	47K19 R36327B006 THERMOSTAT SWITCH	
1	EA	63479	47K20 R39370B001 TRANSFORMER	
1	EA	60496	47K22 R44478-002 EXPANSION VALVE	
1	EA	67593	47K24 R41516-001 GAS VALVE	
1	EA	67400	47K28 BLOWER WHEEL R02592A003	
1	EA	60923	47K30 R02592A023 BLOWER WHEEL	
1	EA	60977	47K31 R02592A024 BLOWER WHEEL	
1	EA	67779	47K39 R40424-001 GASKET FLUE COVER	
1	EA	67780	47K40 R40424-002 GASKET FLUE COVER	
1	EA	67781	47K41 R40424-003 GASKET FLUE COVER	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	86544	47W64 210F LIMIT CONTROL	
1	EA	84840	48E01 102931-12 41.5 208/230V 1PH INTERLINK COMPRESSOR	
1	EA	64982	48K98 LB-90089A BCC3 REPLACEMENT CONTROL BOARD	
1	EA	60151	49K08 SENSOR	
1	EA	84841	49K81 1-1/2HP 1PH 115/203V 1725RPM MOTOR	
1	EA	63276	49L86 LIMIT CONTROL	
1	EA	62725	49M84 FLAME SENSOR	
1	EA	62751	49M85 IGNITOR	
1	EA	61402	49W16 R101907-03 1.5T 1PH BRISTOL COMPRESSOR	
1	EA	61409	49W17 R101907-04 2T 1P BRISTOL COMPRESSOR	
1	EA	61411	49W18 R101907-05 2.5T 1PH BRISTOL COMPRESSOR	
1	EA	61419	49W19 R101946-01 3T 1PH BRISTOL COMPRESSOR	
1	EA	61420	49W20 R101946-02 3.5T 1PH BRISTOL COMPRESSOR	
1	EA	61422	49W21 R101946-03 3.5T 1PH BRISTOL COMPRESSOR	
1	EA	64139	49W66 102186-01 IGNITION CONTROL (WAS 41K49)	
1	EA	64431	51W15 102317-01 INTERLOCK SWITCH	
1	EA	86635	52M46 R20470502 CONTROL BOARD	
1	EA	87918	52M73 R20017402 ROLLOUT SWITCH	
1	EA	66982	53K80 LB-90157A FAN TIMER	
1	EA	62795	56L68 RELAY	
1	EA	63014	56M97 25/5 MFD @ 370V DUAL CAPACITOR R38514D002	
1	EA	61039	56W19 R47582-001 IGNITION CONTROL	
1	EA	60887	56W20 R46105-001 VIOLET LIMIT CONTROL	
1	EA	60990	56W21 R46105-002 ORANGE LIMIT CONTROL	
1	EA	60991	56W22 R46105-003 YELLOW LIMIT CONTROL	
1	EA	61057	56W23 R46105-008 WHITE LIMIT CONTROL	
1	EA	60896	56W24 R46105-009 GOLD LIMIT CONTROL	
1	EA	65365	56W25 R46105-012 YELLOW/WHITE LIMIT CONTROL	
1	EA	61058	56W26 R46105-016 PINK WHITE LIMIT CONTROL	
1	EA	60900	56W27 R46105-023 BLUE/GREEN LIMIT CONTROL	
1	EA	61038	56W53 R44391-004 .125-23IN SILICONE TUBE	
1	EA	60859	56W54 R06428D399 2 BURNER VEST PANEL CORBOL KIT	
1	EA	60860	56W55 R06428D400 3 BURNER VEST PANEL CORBOL KIT	
1	EA	60873	56W56 R06428D401 4 BURNER VEST PANEL CORBAL KIT	
1	EA	60875	56W57 R06428D402 5 BURNER VEST PANEL CORBOL KIT	
1	EA	60876	56W58 R06428D403 6 BURNER VEST PANEL CORBOL KIT	
1	EA	60392	56W61 R100997-02 HOT SURFACE IGNITER	
1	EA	67514	56W63 R37520B014 400 GREEN ROLLOUT FLAME SWITCH	
1	EA	86837	56W64 R100684-01 .50 WHITE PRESSURE SWITCH	
1	EA	61875	56W67 R47467-001 3/4HP MOTOR	
1	EA	63035	56W68 R44431-001 COMBUSTION BLOWER	
1	EA	85154	57M67 PRESSURE SWITCH	
1	EA	87983	57M89 LB-94726L BLOWER HOUSING	
1	EA	60641	57W15 R37648B002 3.50 ROUND SCREEN	
1	EA	60891	57W37 R46105-004 GREEN LIMIT CONTROL	
1	EA	60737	57W38 R46105-006 RED LIMIT CONTROL	
1	EA	60342	57W63 SECONDARY HEAT EXCHANGER COIL R40093B001	
1	EA	85176	57W65 R45485-001 SECONDARY HEAT EXCHNAGER	
1	EA	61559	57W66 R45140-001 PLASTIC ELBOW	
1	EA	66060	57W68 R39030B009 #44 ORIFICE	
1	EA	61034	57W75 R37520B013 250 PINK ROLLOUT SWITCH	
1	EA	60884	57W76 R37520B018 185 PURPLE ROLLOUT SWITCH	
1	EA	85125	57W79 101432-14 .70 GREEN PRESSURE SWITCH	
1	EA	61545	57W84 R40654-001 2 CELL HEAT EXCHANGER	
1	EA	61546	57W85 R40654-002 3 CELL HEAT EXCHANGER	
1	EA	61547	57W86 R40654-003 4 CELL HEAT EXCHANGER	
1	EA	61548	57W87 R40654-004 5 CELL HEAT EXCHANGER	
1	EA	66061	57W88 R40086B001 .81 GRAY ORIFICE	
1	EA	66062	57W89 R40086B002 1.05 ORANGE ORIFICE	
1	EA	66063	57W90 R40086B003 1.10 BLACK ORIFICE	
1	EA	61062	57W91 1.20 BLUE BLUE ORIFICE R40086B004	
1	EA	66064	57W92 R40086B006 1.00 YELLOW ORIFICE	
1	EA	66065	57W93 R40086B007 .72 GREEN ORIFICE	
1	EA	60985	57W95 R36733B004 I.D. BLOWER GASKET	
1	EA	67401	58W00 R47468-001 .90 EMERSON MOTOR	
1	EA	63440	58W01 R45037-001 INDUCED DRAFT BLOWER	
1	EA	61561	58W05 R45035-001 BOOT TRAP WITH PORT	
1	EA	63878	58W06 R40095B001 PLASTIC HEADER BOX	
1	EA	84812	58W07 R40096B001 PLASTIC HEADER BOX	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65896	58W08 R45665-001 HEADER BOX	
1	EA	67812	58W12 R42381-002 HEADER GASKET	
1	EA	61562	58W14 R42381-004 HEADER BOX GASKET	
1	EA	87164	59M51 1/2HP BLOWER MOTOR	
1	EA	84842	59W22 100847-09 140F 40DIFF OPEN LIMIT CONTROL	
1	EA	64899	59M03 LB-106783A FLUE TRANSITION REPLACEMENT KIT	
1	EA	86639	59W74 R101432-17 .80 PRESSURE SWITCH	
1	EA	61078	59W75 .96 CARMEL ORIFICE R40086B012	
1	EA	61087	59W76 .77 TAN ORIFICE R40086B013	
1	EA	67721	66020 1IN P-5-84 BEARING BORE	
1	EA	85133	60G79 LB-58087BB HEAT EXCHANGER	
1	EA	67774	60J59 1/2IN NATURAL GAS VALVE	
1	EA	86546	60L21 100649-01 1/3HP 115V BLOWER MOTOR	
1	EA	86547	60L22 100650-01 1/2HP 115V BLOWER MOTOR	
1	EA	69837	60L23 R40405-008 .50 RED PRESSURE SWITCH	
1	EA	87173	60M10 ENTHALPY CONTROL	
1	EA	63277	60M12 CONTACTOR	
1	EA	63203	60M28 R46256-001 BLOWER CONTROL	
1	EA	61373	60M32 R46994-001 IGNITION CONTROL	
1	EA	62797	60M34 BEARING	
1	EA	87157	60M56 INSHOT BURNER	
1	EA	62807	60M58 195 LIMIT CONTROL	
1	EA	63278	60M59 160 LIMIT CONTROL	
1	EA	62820	60M60 IGNITION LEAD	
1	EA	62832	60M61 ROLLOUT SWITCH	
1	EA	87951	61W89 100483-25 1/4HP 208-230/60/1 FAN MOTOR	
1	EA	67415	63K70 AW504ET-088-A4 COMPRESSOR R35125C007	
1	EA	87925	63W16 R00419B175 GRAY AEROSOL DUCANE PAINT	
1	EA	86548	63W58 102829-01 MODULAR VARIABLE SPEED IGNITION CONTROL	
1	EA	60282	65W49 .60 RED PRESSURE SWITCH R100684-02	
1	EA	85159	63W62 100016-03 1/3HP VARIABLE FAN MOTOR	
1	EA	86828	65W63 100684-07 PRESSURE SWITCH	
1	EA	60183	67K65 RELAY	
1	EA	84844	67W85 102931-02 4.5T Y R410A 230V INTERLINK COMPRESSOR	
1	EA	86642	68J24 1/3HP 1PH 208/230V MOTOR	
1	EA	62833	68J37 CONTACTOR	
1	EA	64173	68J69 AV196ET-047-A4 COMPRESSOR R38867B012	
1	EA	67384	68J70 AV196RT-055-A4 5T Y TEC COMPRESSOR R38867B013	
1	EA	67425	68J71 5T G AV190TT-045-A4 COMPRESSOR TEC R38867B007	
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT	
1	EA	63872	68W81 TWO STAGE NIGHT SERVICE KIT 80%	
1	EA	63873	68W82 MODULATING NIGHT SERVICE KIT	
1	EA	67426	69H62 R39008C003 1PH RK147ET-021-A4 COMPRESSOR	
1	EA	63720	69M33 COMBUSTION AIR BLOWER	
1	EA	86549	69M38 135F LIMIT CONTROL	
1	EA	86550	69M79 1HP 4SPD 115V 1PH 60HZ MOTOR	
1	EA	86551	69W27 101910-07 1/16IN NATURAL ORIFICE	
1	EA	86552	69W36 102135-03 150F LIMIT CONTROL	
1	EA	86553	69W37 102135-04 165F LIMIT CONTROL	
1	EA	86554	69W38 102135-05 170F LIMIT CONTROL	
1	EA	86555	69W39 102135-06 190F LIMIT CONTROL	
1	EA	86556	69W40 102135-07 205F LIMIT CONTROL	
1	EA	86557	69W41 102135-08 215F LIMIT CONTROL	
1	EA	86558	69W42 102135-09 220F LIMIT CONTROL	
1	EA	86559	69W43 LB-74940B 90 DEGREE FLAME SENSOR KIT	
1	EA	86560	69W44 102688-01 2 STAGE NATURAL GAS VALVE	
1	EA	86561	69W49 102703-01 11IN X 9IN X 1/2IN BLOWER WHEEL	
1	EA	86562	69W50 102703-02 11IN X 11IN X 1/2IN BLOWER WHEEL	
1	EA	86563	69W52 102712-01 10IN X 9IN X 1/2IN BLOWER WHEEL	
1	EA	86624	69W55 102737-03 20/.55 2 STAGE PRESSURE SWITCH	
1	EA	86564	69W56 102737-04 25/.60 2 STAGE PRESSURE SWITCH	
1	EA	86565	69W57 102737-05 30/.68 2 STAGE PRESSURE SWITCH	
1	EA	86566	69W58 102737-06 30/.75 2 STAGE PRESSURE SWITCH	
1	EA	87984	69W87 4 BURNER ASSEMBLY	
1	EA	87985	69W88 6 BURNER ASSEMBLY	
1	EA	87986	69W89 8 BURNER ASSEMBLY	
1	EA	87987	69W91 12 BURNER ASSEMBLY	
1	EA	86567	69W94 101910-05 #61 LP ORIFICE	
1	EA	86641	69W97 100483-30 1/3HP 208-230/60/1 FAN MOTOR	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64131	70L53 20256701 GAS/IGNITION CONTROL SERVICE VALVE R44479-001	
1	EA	84811	70L54 20093901 PILOT BURNER	
1	EA	87919	70L60 IND DRAFT BLOWER	
1	EA	87832	70W06 605731-01 HEAT EXCHANGER	
1	EA	87833	70W07 605731-02 HEAT EXCHANGER	
1	EA	87836	70W10 605731-05 HEAT EXCHANGER	
1	EA	87838	70W12 605731-07 HEAT EXCHANGER	
1	EA	87839	70W14 605731-09 HEAT EXCHANGER	
1	EA	86568	70W16 LB-112237B IGNITER	
1	EA	86607	70W27 LB-90745AR ECM MODULE KIT	
1	EA	86608	70W28 LB-90745AS ECM MODULE KIT	
1	EA	86609	70W29 LB-90745AT ECM MODULE KIT	
1	EA	86610	70W30 LB-90745AW ECM MODULE KIT	
1	EA	86611	70W31 LB-90745AX ECM MODULE KIT	
1	EA	86612	70W32 LB-90745AY ECM MODULE KIT	
1	EA	86613	70W33 LB-90745BA ECM MODULE KIT	
1	EA	86614	70W34 LB-90745BB ECM MODULE KIT	
1	EA	86615	70W36 LB-90745BD ECM MODULE KIT	
1	EA	86569	70W38 LB-94724P COMBUSTION AIR BLOWER MOTOR	
1	EA	86570	70W39 LB-94726AB BLOWER HOUSING	
1	EA	86846	70W40 LB-94726T BLOWER HOUSING	
1	EA	87988	70W42 LB-94726X BLOWER HOUSING	
1	EA	86571	70W88 605154-02 A96 LPG TO NATURAL CONVERSION KIT	
1	EA	87920	71L03 R20004601 INSHOT BURNER	
1	EA	62940	71M28 LB-106199A MCC1-1 CIRCUIT BOARD KIT	
1	EA	86630	71W17 605099-04 BAG ASSEMBLY DRAIN KIT PARTS ASSY	
1	EA	86572	71W41 102857-01 135F LIMIT CONTROL	
1	EA	86573	71W43 102857-03 140F LIMIT CONTROL	
1	EA	86574	71W44 102857-04 145F LIMIT CONTROL	
1	EA	86575	71W48 102906-02 .036 LP ORIFICE	
1	EA	86621	71W49 102907-01 210F LIMIT CONTROL	
1	EA	87843	71W75 605996-08 HEAT EXCHANGER	
1	EA	87845	71W80 605996-13 HEAT EXCHANGER	
1	EA	86577	71W96 102688-02 2 STAGE LP GAS VALVE	
1	EA	87970	72L05 20390801 1/10HP 209/230V 1PH MOTOR	
1	EA	87971	72L08 20390806 1/5HP 208/230V 1PH MOTOR	
1	EA	86578	72W34 LB-115291E NATURAL GAS VALVE ASSEMBLY 72W57	
1	EA	86579	72W35 LB-115291F LP GAS VALVE ASSEMBLY 72W58	
1	EA	84869	72W39 100335-51 75/10 @ 440V ROUND CAPACITOR	
1	EA	86646	72W97 605996-15 HEAT EXCHANGER	
1	EA	86647	72W98 605996-16 HEAT EXCHANGER	
1	EA	86580	72W99 606006-01 2.3 ECM 1/2HP MOTOR ONLY	
1	EA	62835	73M11 LB-107331B HEAT EXCHANGER	
1	EA	86581	73M85 LB-108026A MOTOR MOUNT KIT	
1	EA	86583	73W01 606007-01 3.0 1/2 HP ECM MOTOR ONLY	
1	EA	86584	73W02 606007-02 3.0 3/4 HP ECM MOTOR ONLY	
1	EA	86619	73W03 606007-03 3.0 1HP ECM MOTOR ONLY	
1	EA	86586	73W09 LB-947247T COMBUSTION AIR S/A BLOWER	
1	EA	86587	73W17 102837-01 NATURAL GAS VALVE	
1	EA	86588	73W18 102857-05 145F LIMIT CONTROL	
1	EA	86589	73W19 102857-06 155F LIMIT CONTROL	
1	EA	86590	73W20 102857-07 175F MAIN LIMIT CONTROL	
1	EA	87857	73W34 102737-08 (.62/.35) 2 STAGE PRESSURE SWITCH	
1	EA	87858	73W35 102737-09 (.55/.25) 2 STAGE PRESSURE SWITCH	
1	EA	60343	73W76 R100684-08 .50 WHITE PRESSURE SWITCH R45694-001	
1	EA	67420	74H12 AVB5549EXN 4T P TEC COMPRESSOR R38867B002	
1	EA	61536	74K76 #54 LP LP ORIFICE R39030B005	
1	EA	67588	74K77 R42250-001 INDUCE DRAFT BLOWER	
1	EA	86593	74W12 101070-01 1/5HP 115V BLOWER MOTOR	
1	EA	86594	74W55 LB-94724AA COMBUSTION AIR S/A BLOWER	
1	EA	86595	74W56 LB-94724AB COMBUSTION AIR S/A BLOWER	
1	EA	87848	74W58 605731-11 HEAT EXCHANGER	
1	EA	86620	74W63 103018-07 .80F PRESSURE SWITCH	
1	EA	86598	74W75 102135-10 LIMIT CONTROL	
1	EA	86599	74W77 102135-12 LIMIT CONTROL	
1	EA	86601	75W01 103096-01 BLOWER WHEEL	
1	EA	86649	75W26 605996-19 HEAT EXCHANGER	
1	EA	86672	75W30 605996-23 HEAT EXCHANGER	
1	EA	86674	75W32 605996-25 HEAT EXCHANGER	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87994	75W39 605996-32 HEAT EXCHANGER	
1	EA	87995	75W40 605996-33 HEAT EXCHANGER	
1	EA	87877	75W43 103048-01 THERMAL SWITCH	
1	EA	67527	76K01 BLOWER WHEEL R02592A006	
1	EA	69174	76K02 60/5 MFD @ 370V RUN CAPACITOR R38514D016	
1	EA	87904	77W04 2 STG NAT 103181-01 GAS VALVE	
1	EA	87996	77W13 605996-34 HEAT EXCHANGER	
1	EA	87850	77W23 605996-35 HEAT EXCHANGER	
1	EA	87854	77W27 605996-39 HEAT EXCHANGER	
1	EA	87855	77W28 605996-40 HEAT EXCHANGER	
1	EA	87856	77W29 605996-41 HEAT EXCHANGER	
1	EA	86634	77W30 607010-01 DRAIN TRAP KIT	
1	EA	87868	77W34 102831-05 7/8 X 7/8 SERVICE VALVE	
1	EA	64123	78K59 HD1-2 LB-91256A CONTROL	
1	EA	60398	78L02 R47803-001 REVERSING VALVE	
1	EA	60279	78L03 REVERSING VALVE R47805-001	
1	EA	61544	78L04 R47806-001 REV VALVE	
1	EA	60495	78L19 R44478-001 EXPANSION VALVE	
1	EA	60191	78L30 LIMIT CONTROL	
1	EA	60195	78L41 MOTOR MTG BRACKET	
1	EA	67572	78L60 28G26 GAS VALVE	
1	EA	86637	78W50 LB-110418B THUMB SCREW BAG ASSY	
1	EA	68725	79J11 THERMOSTAT FREEZE-STAT	
1	EA	60196	79J21 ELECTRODE IGNITER	
1	EA	60213	79J22 SENSOR	
1	EA	60215	79J75 EXPANSION VALVE	
1	EA	60217	79J81 1/3HP 1PH 208/230V 1075RPM LEADLESS CONDENSER FAN MOTOR	
1	EA	60437	79J82 1/3HP 460V 1PH 1075RPM LEADLESS CONDENSER FAN MOTOR	
1	EA	60220	79J89 LIMIT CONTROL	
1	EA	84847	79W30 100600-09 7.5@440 OVAL CAPACITOR	
1	EA	87860	79W59 2HP 208-230V MOTOR REPLACEMENT CONTROL ASSY	
1	EA	87861	79W60 460V 2HP MOTOR REPLACEMENT CONTROL ASSY	
1	EA	84848	79W62 REPLACEMENT CONTROL MOTOR ASSY	
1	EA	84849	79W63 REPLACEMENT CONTROL MOTOR ASSY	
1	EA	84850	79W64 REPLACEMENT CONTROL MOTOR ASSY	
1	EA	87968	79W65 3HP REPLACEMENT CONTROL ASSY MOTOR	
1	EA	60261	80K09 ELECTRODE IGNITER	
1	EA	67582	80K12 IGNITION CONTROL	
1	EA	61052	80K47 R38514D007 40/7.5 MFD @ 440V ROUND DUAL CAPACITOR	
1	EA	84851	80K65 80K6501 EK-202 TERMINAL BLOCK	
1	EA	87921	80M27 IGN/FAN CONTROL BOARD	
1	EA	87922	80M29 IGNITOR	
1	EA	87915	80M52 (D) INDUCER BLOWER	
1	EA	86596	80W52 103247-04 .60 PRESSURE SWITCH 74W60	
1	EA	86626	80W53 103247-05 .68 PRESSURE SWITCH 74W61	
1	EA	87913	80W57 103247-09 .65 PRESSURE SWITCH 74W65	
1	EA	87916	80W58 103247-10 .75 PRESSURE SWITCH	
1	EA	84852	80W27 100060-30 4BLD 35P CCW FAN ASSY	
1	EA	87969	80W51 103247-03 .55 PRESSURE SWITCH	
1	EA	87973	80W54 103247-06 .75 PRESSURE SWITCH	
1	EA	84810	80W55 103247-07 .80 PRESSURE SWITCH	
1	EA	84865	80W73 REPLACEMENT CONTROL MOTOR ASSEMBLY	
1	EA	84866	80W74 REPLACEMENT CONTROL MOTOR ASSEMBLY	
1	EA	84867	80W75 REPLACEMENT CONTROL MOTOR ASSEMBLY	
1	EA	87117	80W76 103202-04 2HP 208/203-3 1755RPM MOTOR	
1	EA	87859	80W97 R101431-01 COMBUSTION AIR BLOWER	
1	EA	60270	81L75 IMC C1-3 REPLACEMENT KIT CONTROL	
1	EA	87876	81W06 101995-04 2.5T P R410A INTERLINK COMPRESSOR	
1	EA	63263	81W07 101995-05 3T P R410A INTERLINK COMPRESSOR	
1	EA	63255	81W09 101995-07 4.5T P R410A INTERLINK COMPRESSOR 43W87	
1	EA	87997	81W33 607421-02 X13 1/2HP PROGRAMMED MOTOR	
1	EA	87998	81W35 607421-04 X13 3/4HP PROGRAMMED MOTOR	
1	EA	87999	81W37 607421-06 X13 3/4HP PROGRAMMED MOTOR	
1	EA	86824	81W42 607421-11 X13 1HP PROGRAMMED MOTOR	
1	EA	87888	81W45 LB-94724AC COMB AIR S/A BLOWER	
1	EA	84999	81W55 101995-09 1.5T P R410A INTERLINK COMPRESSOR	
1	EA	84966	82W08 607565-01 DOOR PLUG KIT FOR 90% FURNACE	
1	EA	84954	82W67 101995-21 4.5T R410A INTERLINK COMPRESSOR	
1	EA	63026	83L71 R39050B001 ELECTRODE	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	60271	83L75 LIMIT CONTROL	
1	EA	64124	83L78 LIMIT CONTROL	
1	EA	67464	83L91 R40154B016 PINK/WHITE LIMIT SWITCH	
1	EA	87887	83W12 2STG NAT GAS VALVE	
1	EA	87954	83W76 100600-10 12.5 @ 370 CAPACITOR	
1	EA	87886	83W89 607308-03 IGNITION CONTROL KIT	
1	EA	68668	84K65 R42446-001 ELECTRODE	
1	EA	87890	84W06 103271-02 PRESSURE SWITCH	
1	EA	87891	84W07 LB-90745BE (VSP CTRL MODULE) MOTOR ASSY	
1	EA	87892	84W08 LB-90745BF (VSP CTRL MODULE) MOTOR ASSY	
1	EA	87893	84W09 LB-90745BG (VSP CTRL MOTOR) MOTOR ASSY	
1	EA	87895	84W12 LB-90745BK (VSP CTRL MODULE) MOTOR ASSY	
1	EA	87906	84W13 LB-90745BL (VSP CTRL MODULE) MOTOR ASSEMBLY	
1	EA	87896	84W14 LB-90745BM (VSP CTRL MODULE) MOTOR ASSY	
1	EA	87897	84W15 LB-90745BN (VSP CTRL MODULE) MOTOR ASSY	
1	EA	87898	84W16 LB-90745BP (VSP CTRL MODULE) MOTOR ASSY	
1	EA	87907	84W17 LB-90745BR (VSP CTRL MODULE) MOTOR ASSEMBLY	
1	EA	87909	84W50 605927-11 NIGHT SERVICE KIT A95UH/DF 95G 2STG	
1	EA	87910	84W85 806008-04 3.0 ECM 1/2HP MODULE ONLY	
1	EA	87911	84W86 606008-05 3.0 ECM 3/4HP MODULE ONLY	
1	EA	87912	84W87 606008-06 3.0 ECM 1HP MODULE ONLY	
1	EA	87941	84W88 LB-101263B DEFROST CONTROL KIT	
1	EA	60272	85L52 LB-29333BCT BLOWER WHEEL	
1	EA	63286	85L53 LB-29333BCS WHEEL	
1	EA	87880	85M50 FAN ASSEMBLY 100017-02	
1	EA	64970	85M53 100034-01 LSOM 2 MODULE	
1	EA	84871	85W66 608261-01 BLOWER RELAY KIT	
1	EA	86825	85W79 607436-02 IGNITION CONTROL BOARD KIT	
1	EA	60146	86H46 R02592A013 BLOWER WHEEL	
1	EA	60617	86M36 100087-01 HIGH PRESSURE SWITCH	
1	EA	86826	86W57 605927-14 SNG ST COMMUNICATING NIGHT SERVICE KIT	
1	EA	87923	87H90 LIMIT CONTROL	
1	EA	87924	87H91 R20001103 LIMIT CONTROL	
1	EA	84969	87J71 HEAT SEQUENCER	
1	EA	84956	87W77 607308-06 IGNITION CONTROL KIT	
1	EA	86842	87W78 607308-07 IGNITION CONTROL KIT	
1	EA	85127	88J38 65252500 DRAFT IND BLOWER	
1	EA	86604	89J10 LB-29333BCG WHEEL	
1	EA	63959	89M20 100052-02 208/230V 1PH ZR21KA-PFV-130 COMPRESSOR	
1	EA	63961	89M22 100052-04 1PH ZR32KA-PFV-130 COMPRESSOR	
1	EA	63962	89M23 100052-05 1PH ZR38KA-PFV-130 COMPRESSOR	
1	EA	63963	89M24 100052-06 1PH ZR42KA-PFV-130 COMPRESSOR	
1	EA	63015	89M70 100335-02 30/5MFD @ 370V ROUND START CAPACITOR R38514D003	
1	EA	63994	89M71 100335-03 30/5 @ 440V ROUND START CAPACITOR	
1	EA	63016	89M73 100335-05 35/5 MFD @ 370V ROUND START CAPACITOR R38514D004	
1	EA	63996	89M74 100335-06 35/5 MFD @ 440V ROUND START CAPACITOR R38514D010	
1	EA	60813	89M76 100335-08 40/5 @ 370V ROUND START CAPACITOR	
1	EA	63997	89M77 R100335-09 40/5MFD @ 440V ROUND START CAPACITOR	
1	EA	60648	89M80 100335-12 45/5 MFD @ 440V ROUND START CAPACITOR	
1	EA	61053	89M82 100335-14 45/7.5 MFD @ 440V ROUND START CAPACITOR R38514D008	
1	EA	60817	89M83 R100335-15 45/10 @ 440 CAPACITOR	
1	EA	63040	89M84 60/7.5 MFD@370V CAPACITOR R38514D013 100335-16	
1	EA	60878	89M85 100335-17 60/7.5 @ 440V ROUND START CAPACITOR	
1	EA	87870	89M86 103335-18 60/10 @ 370V ROUND CAPACITOR	
1	EA	63998	89M87 100335-19 60/10 @ 440V ROUND START CAPACITOR	
1	EA	87871	89M89 100335-21 50/10 @ 440V ROUND CAPACITOR	
1	EA	63269	89M90 100335-22 70/10 @ 370 ROUND CAPACITOR	
1	EA	63041	89M91 100335-24 80/7.5 @ 370V ROUND START CAPACITOR R38514D014	
1	EA	63999	89M92 100335-26 80/10 @ 370V ROUND START CAPACITOR	
1	EA	65308	89M93 100335-28 55/5 @ 370V ROUND START CAPACITOR R38514D020	
1	EA	60879	89M94 100335-29 60/5 @ 440V ROUND START CAPACITOR	
1	EA	63143	89M95 100335-30 80/5 @ 370V ROUND START CAPACITOR	
1	EA	60902	89M96 100335-31 50/5 @ 440V ROUND START CAPACITOR	
1	EA	64037	89M97 100335-32 55/10 MFD @ 440 CAPACITOR	
1	EA	86843	89W52 605927-16 NIGHT SERVICE KIT A96MV/A97M	
1	EA	85178	89W53 60592717 2 STG MOD COMMUNICATING NIGHT SERVICE KIT	
1	EA	85179	89W54 605927-18 2 STG 96% COMMUNICATING NIGHT SERVICE KIT	
1	EA	87979	89W74 66703100 1/3HP 240V BLOWER MOTOR	
1	EA	87980	89W75 66722600 1/3HP 240V BLOWER MOTOR	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87981	89W76 66727900 1/2HP 240V BLOWER MOTOR	
1	EA	87982	89W77 66737600 1/3HP 240V BLOWER MOTOR	
1	EA	62883	90H83 T6-2092 FLAME SENSOR	
1	EA	87160	90W63 101995-22 3T P R410A INTERLINK COMPRESSOR	
1	EA	84993	90W64 101995-23 3.5T R R410A INTERLINK COMPRESSOR	
1	EA	87952	90W68 2.5T ZR28K5-PFV-130 COMPRESSOR	
1	EA	86836	90W69 2.5T P A ZR32K5-PFV-130 COMPRESSOR	
1	EA	84964	91W08 2T 20K5E-PFV-830 COPE COMPRESSOR	
1	EA	84992	91W09 2.5T P COPE COMPRESSOR	
1	EA	87114	91W10 3T P ZPS40K5E-PFV-830 COPE COMP	
1	EA	60858	91W12 4T ZPS51K5E-830 COPE COMPRESSOR R100504-04 92M49	
1	EA	84853	91W13 100335-55 75+7.5 @ 440V ROUND CAPACITOR	
1	EA	84955	91W67 2T P A ZR26K5-PFV-800 COPELAND COMPRESSOR	
1	EA	86829	92L14 IND DRAFT BLOWER	
1	EA	87960	92W51 100483-33 1/6HP 208-230/60/1 FAN MOTOR	
1	EA	62984	93M80 R100365-01 SNG STAGE GAS VALVE R47484-001 100365-01	
1	EA	61241	93M81 100483-17 SINGLE STAGE GAS VALVE	
1	EA	61395	93W03 R101701-01 3T 1PH BRISTOL COMPRESSOR	
1	EA	86840	93W13 LB-94724AE BLOWER ASSEMBLY	
1	EA	84808	93W78 103613-02 .35/.60 PRESSURE SWITCH	
1	EA	84809	93W79 103613-03 .50/.90 PRESSURE SWITCH	
1	EA	86838	93W89 103614-04 .75 PRESSURE SWITCH	
1	EA	86841	94W83 103085-03 IGNITION CONTROL	
1	EA	60639	95M50 100215-03 R410A BIFLOW DRIER	
1	EA	60614	95M57 100438-03 25AMP 3 POLE CONTACTOR	
1	EA	84821	95W17 605099-07 DRAIN TRAP BAG ASSEMBLY	
1	EA	86833	95W96 610261-12 COLLECTOR BOX 86W22	
1	EA	84854	96M07 100530-01 175VA-460V TRANSFORMER	
1	EA	62836	97J71 PRESSURE SWITCH	
10	EA	86638	97M37 LB-110418A DOOR THUMB SCREWS HARDWARE KIT	
1	EA	63971	97M52 ZP16K5E-PFV COMPRESSOR R100040-01	
1	EA	63973	97M53 ZP20K5E-PFV COMPRESSOR R100040-02	
1	EA	63975	97M54 ZP25K5E-PFV COMPRESSOR R100040-04	
1	EA	63976	97M55 ZP31K5E-PFV COMPRESSOR R100040-06	
1	EA	63977	97M56 ZP36K5E-PFV 3T COPE COMPRESSOR R100040-08	
1	EA	63978	97M57 ZP42K5E-PFV COMPRESSOR R100040-10	
1	EA	63979	97M58 ZP54K5E-PFV COMPRESSOR R100040-12	
1	EA	86645	97M60 100503-03 DEFROST THERMOSTAT	
1	EA	62837	97M67 100060-16 FAN ASSEMBLY	
1	EA	61106	97M74 100484-06 .053 RFC PISTON KIT	
1	EA	87965	97M75 100484-08 .057 RFC PISTON KIT	
1	EA	87966	97M76 100484-13 .063 RFC PISTON KIT	
1	EA	61103	97M77 100484-23 .074 R39332B074 RFC PISTON KIT	
1	EA	61109	97M78 100484-24 .076 R39332B076 RFC PISTON KIT	
1	EA	64880	97M79 100484-30 .082 RFC PISTON KIT	
1	EA	60948	97M84 R100481-05 R410A W/CK TXV VALVE	
1	EA	63981	97M85 OUTDOOR EXPANSION VALVE R100481-07	
1	EA	60382	97M91 100121-05 1PH ZR45K3-PFV-135 COMPRESSOR	
1	EA	63969	97M92 100121-07 1PH ZR48K3-PFV-135 COMPRESSOR	
1	EA	67563	97M94 100121-10 208/230V 1PH R42811-018 ZR34K3-PFV-130 COMPRESSOR	
1	EA	65315	97M95 100121-06 1PH ZR40K3-PFV-130 COMPRESSOR R41579-020	
1	EA	60275	98G23 MOTOR MOUNT	
1	EA	69211	98G47 1711 CO ROLLOUT SWITCH R43975-001	
1	EA	60276	98G89 1/25HP 1PH 208/230V INDUCED DRAFT BLOWER MOTOR	
1	EA	64867	98M12 100484-12 .062 RFC PISTON KIT	
1	EA	61097	98M13 100484-19 .070 R39332B070 RFC PISTON KIT	
1	EA	87872	98M14 100484-36 .089 RFC PISTON KIT	
1	EA	64890	98M15 100484-45 .099 RFC PISTON KIT	
1	EA	63988	98M18 R100060-07 18IN 3 BLADE 17 PITCH FAN	
1	EA	63991	98M19 R100060-08 18IN 4 BLADE 27 PITCH FAN	
1	EA	60633	98M20 100060-09 FAN ASSEMBLY	
1	EA	63992	98M21 R100060-10 22IN 4 BLADE 32 PITCH FAN	
1	EA	87881	98M39 1/3HP VARIABLE FAN MOTOR 100016-02	
1	EA	64062	98M43 100145-05 REVERSING VALVE	
1	EA	63965	98M63 100121-01 208-230V 1PH ZR22K3-PFV-130 COMPRESSOR	
1	EA	63966	98M64 100121-02 208/230V 1PH ZR28K3-PFV-130 COMPRESSOR	
1	EA	63967	98M65 100121-03 1PH ZR32K3-PFV-130 COMPRESSOR	
1	EA	63968	98M66 100121-04 208/230V 1PH ZR36K3-PFV-130 COMPRESSOR	
1	EA	60143	98M74 R02592A004 BLOWER WHEEL	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68662	98M75 R07407B000 MOTOR MOUNTING BAND	
1	EA	61036	98M86 INT08L-4150 RED LIMIT SWITCH R37520B015	
1	EA	67776	98M87 R44745-001 SENSOR FLAME	
1	EA	86670	98W30 605996-49 HEAT EXCHANGER ASSEMBLY	
1	EA	86671	98W31 605996-21 HEAT EXCHANGER 75W28	
1	EA	86851	98W36 605996-55 HEAT EXCHANGER	
1	EA	86852	98W37 605996-56 HEAT EXCHANGER ASSY	
1	EA	86853	98W38 605996-57 HEAT EXCHANGER ASSY	
1	EA	86854	98W39 605996-58 HEAT EXCHANGER ASSY	
1	EA	86856	98W41 605996-60 HEAT EXCHANGER ASSY	
1	EA	86857	98W42 605996-61 HEAT EXCHANGER ASSY	
1	EA	86858	98W43 605996-62 HEAT EXCHANGER ASSY	
1	EA	86859	98W44 605996-63 HEAT EXCHANGER ASSY	
1	EA	61378	99K21 65258600 FAN ASSEMBLY	
1	EA	66296	99K22 65258700 FAN BLADE	
1	EA	63287	99K31 OVERLOAD PROTECTOR	
1	EA	63289	99K33 OVERLOAD PROTECTOR	
1	EA	60525	99M81 100335-23 70/5 @ 370V ROUND START CAPACITOR R38514D021	
1	EA	61061	99M85 R40424-004 FLUE GASKET	
1	EA	60905	99M89 R100040-05 2.5T ZP29K5E-PFV-830 COPE COMPRESSOR	
1	EA	60918	99M90 R100040-11 4T COPE COMPRESSOR	
1	EA	84856	99W41 610414-01 150KB ALUM HEAT EXCHANGER	
1	EA	84857	99W42 610414-02 108KB ALUM HEAT EXCHANGER	
1	EA	84858	99W43 610414-03 65KB ALUM HEAT EXCHANGER	
1	EA	84859	99W79 100060-33 3 BLADE 34P CCW FAN ASSEMBLY	
1	EA	84860	99W80 120/240VAC MANUAL RESET SPST HIGH PRESSURE SWTCH	
1	EA	84861	99W91 608481-01 MOTOR MOUNTING PLATE	
1	EA	84862	99W92 103764-01 208/240 TRANSFORMER	
1	EA	84863	99W93 103764-02 480V TRANSFORMER	
1	EA	84864	99W94 103764-03 600V TRANSFORMER	
1	EA	69874	ADAPT420-2 HWC CHASIS ADAPTER KIT	
1	EA	66253	ATXV477 EXPANSION VALVE KIT	
1	EA	66254	ATXV478 EXPANSION VALVE KIT	
1	EA	66255	ATXV479 EXPANSION VALVE KIT	
12	EA	70662	L4064B2210/U 11 1/2" FAN & LIMIT	
1	EA	87100	R00419B164 ARMSTRONG TEXTURED SLATE GRAY PAINT AEROSOL	
1	EA	87101	R00419B165 ARMSTRONG TEXTURED PLATINUM GRAY PAINT AEROSOL	
1	EA	87102	R00419B169 ARMSTRONG TOUCH-UP SLATE GRAY PAINT PEN	
1	EA	87103	R00419B170 .5OZ ARMSTRONG SLATE GRAY BRUSH-IN-CAP	
1	EA	87104	R00419B171 ARMSTRONG TOUCH-UP PLATINUM GRAY PAINT PEN	
1	EA	87105	R00419B172 .5OZ ARMSTRONG PLATINUM GRAY BRUSH-IN-CAP	
1	EA	69167	R01081A020 55IN BLOWER BELT	
1	EA	61075	R01142A019 STAT-T841A1597 HEAT PUMP INDOOR STAT	
1	EA	61457	R01150A008 LIMIT CONTROL	
1	EA	60219	R01851A018 WHITE LIMIT SWITCH	
1	EA	60826	R02592A002 BLOWER WHEEL	
1	EA	68661	R02592A033 BLOWER WHEEL	
1	EA	62232	R02708C024 BURNER ASSEMBLY	
1	EA	61694	R02708C026 COMPLETE BURNER ASSEMBLY	
1	EA	60650	R02736A002 54 LP ORIFICE	
1	EA	60895	R02736A007 #37 NATURAL ORIFICE	
1	EA	69168	R02974A002 FILTER DRIER	
1	EA	84953	R03471B000 5 BLADE FAN BLADE	
1	EA	61385	R03585D008 HEAT EXCHANGER	
1	EA	61386	R03585D009 HEAT EXCHANGER	
1	EA	60865	R04123B001 CONTACTOR	
1	EA	60139	R05701B004 SPARK IGNITION PILOT	
1	EA	60150	R05834B003 1/4HP 1PH BLOWER MOTOR	
1	EA	84890	R06131B046 16.5 X 25 X .50 WASHABLE FILTER F/HWC & EWC	
1	EA	60652	R06311B001 SPARK IGNITION PILOT	
1	EA	60700	R06428D099 A337 PILOT IGNITION KIT	
1	EA	61482	R06428D191 A388-1 IGN CONTROL KIT	
1	EA	67517	R06428D255 A531-1-KIT	
1	EA	67518	R06428D326 557-1-KIT	
1	EA	67520	R06428D329 A531-2-KIT	
1	EA	67521	R06428D334 A530-3-KIT	
1	EA	69066	R06428D379 1/2HP VARIABLE SPEED AMOTR579 MOTOR KIT	
1	EA	69067	R06428D380 1/2HP VARIABLE SPEED AMORT580 MOTOR KIT	
1	EA	69068	R06428D381 3/4HP VARIABLE SPEED AMOTR581 MOTOR KIT	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	69073	R06428D382 1HP VARIABLE SPEED AMOTR582 MOTOR KIT	
1	EA	60303	R06428D406 AIGN604-1 KIT	
1	EA	61541	R06428D426 ACOMB605-1 FORCED DRAFT BLOWER	
1	EA	65998	R06428D434 AGASVLV606-1 GAS VALVE	
1	EA	60022	R06428D435 AGASVALV607-1 GAS VALVE	
1	EA	60823	R06428D440 1 STAGE ANK01-1 SERVICE KIT	
1	EA	60824	R06428D441 2 STAGE ANK02 SERVICE KIT	
1	EA	60822	R06428D442 ANK05-1 SAFETY SERVICE KIT	
1	EA	66737	R06428D455 COMBUSTION BLOWER WITH PRESSURE SWITCH INDUCER BLOWER	
1	EA	64423	R06428D456 COMBUSTION AIR KIT W/PRESSURE SWITCH	
1	EA	66904	R06428D457 COMBUSTION BLOWER WITH PRESSURE SWITCH INDUCER BLOWER	
1	EA	63270	R06429D295 AMOTR498-1 REPLACEMENT MOTOR 46022-004	
1	EA	60872	R06430B002 SEQUENCER	
1	EA	60676	R06612B001 CIRCUIT BREAKER	
1	EA	60712	R07197C004 5.0 KW HEAT ELEMENT	
1	EA	60154	R07276C003 BLOWER MOTOR	
1	EA	68663	R07408B001 MOTOR MOUNTING ARM	
1	EA	62243	R07535C006 1189 CONTACTOR	
1	EA	60544	R07535C007 CONTACTOR	
1	EA	60866	R08058B001 PILOT BURNER	
1	EA	60397	R100213-01 MOLDED HARNESS COMPRESSOR PLUG	
1	EA	60986	R100306-02 .30 WHITE PRESSURE SWITCH	
1	EA	85171	R100432-08 5/8 45 DEGREE SERVICE VALVE	
1	EA	85137	R100432-09 3/4 45 DEGREE SERVICE VALVE	
1	EA	85140	R100432-10 7/8 45 DEGREE SERVICE VALVE	
1	EA	85138	R100432-11 3/8 45 DEGREES SERVICE VALVE	
1	EA	60418	R100675-01 INDUCED DRAFT BLOWER	
1	EA	60419	R100676-01 INDUCED DRAFT BLOWER	
1	EA	87930	R100684-04 GREEN PRESSURE SWITCH	
1	EA	87947	R101432-12 .45 BLUE PRESSURE SWITCH	
1	EA	87945	R101432-13 .60 BROWN PRESSURE SWITCH	
1	EA	87946	R101432-15 .85 GREY PRESSURE SWITCH	
1	EA	84996	R101523-01 IND DRAFT BLOWER	
1	EA	87175	R101907-10 2T P H82J263ABCA BRISTOL COMPRESSOR	
1	EA	85143	R101907-15 H84B263 RECIPROCATING COMPRESSOR	
1	EA	87948	R102463-01 .10 ORANGE PRESSURE SWITCH	
1	EA	87972	R102613-01 .80/.45 2 STAGE RED PRESSURE SWITCH	
1	EA	87950	R102613-02 1.00/.45 2 STAGE BLUE PRESSURE SWITCH	
1	EA	86636	R102614-01 87H93 .40IN WC PRESSURE SWITCH	
1	EA	87974	R102699-01 .60 GRAY PRESSURE SWITCH	
1	EA	87944	R102699-02 .70 ORANGE PRESSURE SWITCH	
1	EA	86622	R103069-01 VARIABLE SPEED IGNITION CONTROL	
1	EA	66078	R104054-01 1/6 HP 1PH 60HZ BLOWER MOTOR R47469-001	
1	EA	85141	R104216-02 50N382X ROTARY MP COMPRESSOR	
1	EA	85142	R104216-03 50N492Z ROTARY MP COMPRESSOR	
1	EA	85148	R104333-06 1/3HP 208/230V 1PH BLOWER MOTOR	
1	EA	85241	R104389-02 AH CONTROLLER BOARD	
1	EA	85172	R104454-01 1/4HP 1PH 208/230V 60HZ MP CONDENSER FAN MOTOR	
1	EA	61772	R104519-02 7/8 X 7/8 BALL VALVE	
1	EA	63168	R110000244 #2&3 SEQUENCER	
1	EA	63068	R20390172 CR38K6-PFV-230/130 COMPRESSOR R39594C005	
1	EA	62077	R2184405U OIL PUMP	
1	EA	62240	R28947A002 PILOT BURNER ORIFICE	
1	EA	62231	R28947A003 ORIFIC PILOT BURNER	
1	EA	62233	R28947A006 LP ORIFIC PILOT	
1	EA	67799	R28947A008 NATURAL PILOT ORIFICE	
1	EA	67800	R28947A012 LP PILOT ORIFICE	
1	EA	60885	R30327B000 1/3 HP MOTOR	
1	EA	60786	R30511A001 ORIFICE - PILOT	
1	EA	60779	R30927B000 1/3HP 1PH MOTOR - PSC	
1	EA	60943	R31488B000 IMPEDANCE RELAY	
1	EA	60152	R32189B000 MOTOR	
1	EA	60128	R33191A001 TIME DELAY RELAY	
1	EA	60838	R33394B000 IGNITION BAFFLE	
1	EA	60802	R33766A002 PRESSURE SWITCH	
1	EA	60804	R33802A001 RELAY	
1	EA	67581	R33F1801 TEC 4T COMPRESSOR	
1	EA	60854	R34016B001 REVERSING VALVE	
1	EA	61447	R34822B012 #43 ORIFICE	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	60868	R34833B001 BLOWER WHEEL	
1	EA	60216	R35035B001 1/5HP 1PH MOTOR	
1	EA	60756	R35109B001 1-1/4T 1PH AB5515C-230-1 COMPRESSOR	
1	EA	60760	R35113B003 3-1/2T 3PH COMPRESSOR	
1	EA	69057	R35125C010 AW500FT-089-A4 COMPRESSOR	
1	EA	60863	R35315B003 20" FAN BLADE	
1	EA	60881	R35777C001 OUTDOOR COIL	
1	EA	60888	R35890B002 PILOT-ELECTRODE ASSEMBLY	
1	EA	61188	R36447B001 NATURAL PILOT ASSEMBLY	
1	EA	60186	R36447B004 LP PILOT ASSY	
1	EA	60980	R36447B006 PILOT ASSY	
1	EA	60672	R36610B001 TRANSFORMER	
1	EA	60189	R36753A001 1.10WC PRESS SWITCH	
1	EA	60877	R36771B001 NATURAL PILOT BURNER	
1	EA	60368	R37214D001 SS HEAT EXCH	
1	EA	60370	R37214D003 SS HEAT EXCH	
1	EA	60351	R37400D025 TL100-1 SERVICE KIT	
1	EA	60511	R37400D080 TL104-2 INDUCER BLOWER KIT	
1	EA	60636	R37400D082 TL107-1 BURNER ASSY PILOT KIT	
1	EA	60188	R37400D085 TL108-1 IGN CONTROL	
1	EA	66306	R37400D086 TL103-2 IGNITION CONTROL KIT	
1	EA	60962	R37520B001 WHITE SPILL SWITCH	
1	EA	60963	R37520B002 YELLOW SPILL SWITCH	
1	EA	60608	R37520B004 RED ROLLOUT SWITCH	
1	EA	67529	R37520B009 BLACK FLAME ROLLOUT SWITCH	
1	EA	63614	R37520B012 BLUE ROLLOUT SWITCH	
1	EA	61063	R37520B016 275 ORANGE ROLLOUT SWITCH	
1	EA	60344	R37648B001 2.38 ROUND SCREEN	
1	EA	61705	R37670D003 HEAT EXCHANGER	
1	EA	61446	R37670D007 HEAT EXCHANGER	
1	EA	61448	R37670D008 HEAT EXCHANGER	
1	EA	62178	R37883B001 SEQUENCER T.O.D.	
1	EA	62241	R37895C001 BURNER W/CROSSOVER	
1	EA	60987	R37895C002 BURNER W/PILOT BRACKET	
1	EA	61051	R37933B002 GAS VALVE	
1	EA	62236	R37977B003 134 TYPE RELAY	
1	EA	60988	R37993C001 BLOWER GASKET	
1	EA	62185	R38071D182 RA103-2 HOT SURFACE SPARK CONVERSION KIT	
1	EA	65884	R38071D220 RA161-2 IGNITION CONTROL KIT	
1	EA	63461	R38094B005 PRESSURE SWITCH	
1	EA	67810	R3811U BROWN GASKET	
1	EA	62838	R3811U GASKET	
1	EA	61311	R38147C006 OIL BURNER	
1	EA	62180	R38266D001 INDUCED DRAFT BLOWER	
1	EA	62184	R38320B001 GAS VALVE	
1	EA	60846	R38328B002 LIMIT SWITCH	
1	EA	61024	R38492B001 FLAME SENSOR	
1	EA	60847	R38578B001 TRANSFORMER	
1	EA	60849	R38659A001 THERMAL OVERLOAD KIT	
1	EA	61463	R38659A002 THERM COMPRESSOR SWITCH	
1	EA	61027	R38691B001 IGNITION CONTROL	
1	EA	60487	R38863C005 CR22K6-PFV-170 COMPRESSOR	
1	EA	67423	R38867B005 AVB5558EXN COMPRESSOR AV-190ET-047-A4	
1	EA	67424	R38867B006 AV190RT-045-A4 COMPRESSOR	
1	EA	69886	R38867B015 AV161ET-041-A4 COMPRESSOR	
1	EA	64339	R38999D018 STAINLESS STEEL HEAT EXCHANGER ASSEMBLY	
1	EA	64898	R38999D019 STAINLESS STEEL HEAT EXCHANGER	
1	EA	62197	R38999D020 STAINLESS STEEL HEAT EXCHANGER ASSEMBLY	
1	EA	63475	R39029B002 CENTER BLOWER CONTROL	
1	EA	61475	R39085B001 18" 3 BLADE FAN	
1	EA	61479	R39228B001 24IN FAN BLADE	
1	EA	63478	R39342B001 FLAME SENSOR	
1	EA	61560	R39358B001 PLASTIC TEE	
1	EA	67439	R39595C004 COMPRESSOR	
1	EA	63486	R39598B001 INDUCED DRAFT BLOWER	
1	EA	67383	R39805B003 MANIFOLD	
1	EA	67444	R39844B001 1/5HP MOTOR	
1	EA	61067	R40086B008 .84 BROWN ORIFICE	
1	EA	61071	R40086B009 .88 WHITE ORIFICE	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61074	R40086B011 .57 PINK ORIFICE	
1	EA	67453	R40154B002 3IN LONG ORANGE LIMIT SWITCH	
1	EA	67454	R40154B003 YELLOW LIMIT SWITCH	
1	EA	67455	R40154B004 GREEN LIMIT SWITCH	
1	EA	63615	R40154B010 VIOLET/WHITE LIMIT SWITCH	
1	EA	61060	R40154B011 240F 210F ORANGE WHITE LIMIT CONTROL	
1	EA	61695	R40154B023 BLUE GREEN LIMIT CONTROL	
1	EA	63616	R40154B024 RED/GREEN LIMIT CONTROL	
1	EA	63617	R40154B025 PINK/GREEN LIMIT CONTROL	
1	EA	67503	R40344-068 51638 LONG ELECTRODE KIT	
1	EA	67504	R40344-069 51639 SHORT ELECTRODE KIT	
1	EA	67506	R40344-077 1/7 HP 3450RPM 21444 MOTOR	
1	EA	67507	R40344-078 580462 AIR TUBE COMBO	
1	EA	67508	R40344-086 IGNITION TRANSFORMER	
1	EA	67511	R40344-091 T-500 NOZZLE GAUGE	
1	EA	60298	R40403-003 BLOWER CONTROL	
1	EA	67544	R40406-007 PILOT ASSEMBLY	
1	EA	61076	R40638-001 1PH 1/3HP MOTOR	
1	EA	67546	R40639-001 1/3HP 1PH MOTOR	
1	EA	67499	R40663-002 SENSOR & ELECTRODE	
1	EA	63514	R40787-001 ASTAT444 OUTDOOR STAT KIT	
1	EA	61384	R41093-001 TRAP ASSY	
1	EA	66092	R41144-002 INDUCED DRAFT BLOWER	
1	EA	61381	R41339-001 ORIFICE SERVICE KIT	
1	EA	61397	R41347-002 RA47G3TA-A COMPRESSOR	
1	EA	61403	R41347-008 RA33G3TA-A COMPRESSOR	
1	EA	61404	R41353-001 24IN FAN BLADE	
1	EA	61405	R41354-001 18IN FAN BLADE	
1	EA	61406	R41355-001 18IN FAN BLADE	
1	EA	61270	R41476-004 LIQUID SERVICE VALVE	
1	EA	61271	R41476-005 SUCTION SERVICE VALVE	
1	EA	61272	R41476-006 SUCTION SERVICE VALVE	
1	EA	85128	R41706-002 9.6 HEATER	
1	EA	87107	R41706-003 14.4 HEATER	
1	EA	61495	R41755-001 H29B28UABCB COMPRESSOR	
1	EA	61483	R41976-001 1/3HP HEAT PUMP EMF MOTOR	
1	EA	67811	R42381-001 HEADER BOX GASKET	
1	EA	61492	R42489-001 ASSY WIRE	
1	EA	61493	R42495-001 PILOT BURNER	
1	EA	60291	R42521-001 1/5HP 1PH 3 BOLT MOTOR	
1	EA	60292	R42537-001 FAN BLADE	
1	EA	67501	R42640-001 IGNITOR SENSOR	
1	EA	63072	R42686-001 FAN BLADE	
1	EA	63073	R42784-001 1/3HP 1PH MOTOR	
1	EA	67448	R42936-001 HIGH TEMPERATURE SWITCH	
1	EA	61696	R43127-001 FLAME SENSOR	
1	EA	60543	R43203-002 HOT SURFACE IGNITOR	
1	EA	61438	R43207-001 IGNITION CONTROL	
1	EA	61441	R43552-001 51732 OIL BURNER KIT	
1	EA	69190	R43808-001 LOW AMBIENT SWITCH	
1	EA	69193	R43812-001 180F C.O. ROLLOUT SWITCH	
1	EA	69206	R43847-001 K13 COMBUSTION BLOWER RELAY	
1	EA	67825	R44351-019 9X6 (99062201) BLOWER WHEEL	
1	EA	67824	R44351-028 1/2HP 240V 3SPD MOTOR(65005500)	
1	EA	67788	R44704-002 INDUCED DRAFT BLOWER	
1	EA	66995	R44738-001 1/3 HP MOTOR	
1	EA	67777	R44957-001 IGN BLOWER CTL (50A51-211)	
1	EA	69882	R44987-001 GAS VALVE	
1	EA	69883	R44992-001 ELECTRODE	
1	EA	69884	R44993-001 ELECTRODE WIRE	
1	EA	60504	R45032-001 LOW PRESSURE SWITCH	
1	EA	87108	R45407-001 1 WIRE LINE HARNESS	
1	EA	62763	R45457-001 SENSOR IGNITOR	
1	EA	66271	R45557-003 BLOWER HOUSING ASSY	
1	EA	60394	R45582-001 FAN BLADE	
1	EA	64805	R45606-101 PROGRAMMABLE G.E. MOTOR CONTROL	
1	EA	61456	R45607-001 1/2 HP VARIABLE MOTOR	
1	EA	60008	R45688-001 ELECTRODE	
1	EA	61200	R45689-001 FLAME ROD	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66068	R45694-006 .40 PINK PRESSURE SWITCH	
1	EA	61539	R45694-007 .35 BLUE PRESSURE SWITCH	
1	EA	60339	R45694-008 .45 BROWN PRESSURE SWITCH	
1	EA	61046	R45694-009 .80 GRAY PRESSURE SWITCH	
1	EA	66128	R45694-011 .55 WHITE/RED PRESSURE SWITCH	
1	EA	61073	R45695-008 .40 PRESSURE SWITCH	
1	EA	61037	R45695-009 .20 LT BLUE PRESSURE SWITCH	
1	EA	86631	R46087-001 INDUCED DRAFT BLOWER	
1	EA	60899	R46105-011 ORANGE/WHITE LIMIT CONTROL	
1	EA	60698	R46105-013 GREEN/WHITE LIMIT CONTROL	
1	EA	65825	R46132-001 1/3 HP VARIABLE SPEED MOTOR	
1	EA	64809	R46132-101 PROGRAMMABLE G.E. MOTOR CONTROL	
1	EA	63311	R46239-001 FAN BLADE	
1	EA	84995	R46895-001 FLAME SENSOR ROD	
1	EA	86827	R46896-001 VR8105M8228 GAS VALVE	
1	EA	65995	R46592-001 110V TO 24V TRANSFORMER	
1	EA	86632	R46930-001 COMBUSTION BLOWER	
1	EA	60321	R47267-004 TXV-TUBE LIQUID DRIER ASSEMBLY	
1	EA	65904	R47346-001 1/5HP 4 BOLT MOTOR	
1	EA	65905	R47363-001 1/4HP MOTOR	
1	EA	85144	R47429-002 1/4HP 208/230V MP MOTOR	
1	EA	61361	R47470-001 1/4HP EMERSON MOTOR	
1	EA	63175	R47471-002 1/3HP 208/230V MOTOR (39046B001)	
1	EA	63042	R47472-001 1/3HP MOTOR	
1	EA	61930	R47473-001 1/2 HP EMERSON MOTOR	
1	EA	67591	R47474-001 1/2HP MOTOR RS41227-001	
1	EA	87873	R47538-001 FAN BLADE	
1	EA	63054	R47543-001 1/2HP MOTOR	
1	EA	67402	R47546-001 .90HP BLOWER MOTOR	
1	EA	61363	R47552-001 3/4HP EMERSON MOTOR	
1	EA	68672	R47556-001 1/4HP 460V R42908-001 CONDENSER MOTOR	
1	EA	65828	R47583-001 TWO STAGE IGNITION CONTROL	
1	EA	60438	R47804-001 6.5 T REVERSING VALVE	
1	EA	86633	R604221-01 ASSY SWITCH & BRACKET INTERLOCK SWITCH	
1	EA	61637	R65040100 1/3HP MOTOR	
1	EA	67822	R65047700 1/3HP 240V 3SPD MOTOR	
1	EA	67804	R7006QU R40344-093 CAD CELL	
1	EA	87928	R7505AU PRIMARY CONTROL	
1	EA	62076	R7505BU 7505B1500U PRIMARY CONTROL	
1	EA	87939	R76700431 HORIZONTAL DRAIN PAN	
1	EA	85136	R76700452 TIME DELAY RELAY ONLY	
1	EA	61375	R76700495 1/2HP 240V ECM MOTOR	
1	EA	61639	R76700496 3/4 HP 240 V ECM MOTOR R76735900	
1	EA	87936	R76700502 21IN VERTICAL DRAIN PAN	
1	EA	63152	R76700542 1/4HP 240V MOTOR	
1	EA	65456	R76700668 1/2HP 240V 3SPD 1075RPM BLOWER MOTOR	
1	EA	84870	R76700674 90 DEGREE ELBOW LIQUID LINE CONNECTION	
1	EA	61310	R76700769 1/3HP 240V 655019-50 ECM MOTOR	
1	EA	87978	R76700993 66709100 1/5 HP 240V BLOWER MOTOR 89W73	
1	EA	87115	R76706200 NUT	
1	EA	60340	R76726700 SEQUENCER	
1	EA	62884	R76728000 9X6 BLOWER WHEEL	
1	EA	67820	R76729900 DOOR SWITCH	
1	EA	67819	R76734700 TRANSFORMER	
1	EA	87937	R76752100 24-1/2IN DRAIN PAN	
1	EA	87938	R76769400 HORIZONTAL DRAIN PAN	
1	EA	87931	R76793400 13IN VERTICAL DRAIN PAN	
1	EA	87932	R76793500 14-1/2IN DRAIN PAN	
1	EA	87933	R76793600 15-1/2IN DRAIN PAN	
1	EA	87934	R76793700 17-1/2IN VERTICAL DRAIN PAN	
1	EA	87935	R76793800 VERTICAL DRAIN PAN	
1	EA	84965	R76794300 INLET LIQUID STUB LINE	
1	EA	67519	RA530 A530-2-KIT	
10	EA	60794	RS08245B002 HEAT SENSOR	
10	EA	61190	RS36453B001 SENSOR	
1	EA	69175	RS39232D004 7.5MFD 370 VAC CAPACITOR	
12	EA	73505	V800A1476/U GAS VALVE	
1	EA	85131	X2658 OUTDOOR SENSOR	
1	EA	63319	X8609 UNIVERSAL FAN TIMER BOARD	

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Allied Commercial/Lennox Parts

Allied Commercial/Lennox Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	86934	10G43 607308-11 IGNITION CONTROL KIT	
1	EA	86932	10M07 MODULE KIT	
1	EA	86931	10M08 611407-02 MODULE KIT	
1	EA	86680	10M74 LIMIT CONTROL	
1	EA	86681	10W37 100335-33 80/7.5 @ 440V ROUND START CAPACITOR	
1	EA	86942	11K98 LB-79541C INDUCED DRAFT BLOWER W/PRESSURE SWITCH	
1	EA	86682	11K99 LB-79541D KIT	
1	EA	63028	11U64 104371-01 .65 PRESSURE SWITCH	
1	EA	86950	12J20 104110-3 4-6T R410 TXV VALVE	
1	EA	86949	12X08 614148-01 IGNITION CONTROL KIT	
1	EA	86211	13W13 099018600 RELAY	
1	EA	86212	14B05 RELAY	
1	EA	86685	14F34 LB-45935D GASKET	
1	EA	86686	14L67 LB-65734H COMB BLOWER ASSY	
1	EA	85100	17K72 CIRCUIT BREAKER	
1	EA	85101	17L41 LB-89289D MOTOR MOUNT	
1	EA	86687	18G89 FLAME SENSOR	
1	EA	86688	18G90 PILOT BURNER	
1	EA	86214	18H61 1/3 HP 1PH 208/230V MOTOR	
1	EA	86689	18J28 65206300 LIMIT CONTROL	
1	EA	86933	18J96 3/4HP 1PH 208/230V MOTOR	
1	EA	86215	18K69 LIMIT CONTROL	
1	EA	86216	18K77 1/5HP 1PH 208/230V MOTOR	
1	EA	86217	18M90 EXPANSION VALVE	
1	EA	86690	19W61 LB-112237A IGNITOR	
1	EA	86691	20J83 LIMIT CONTROL	
1	EA	86692	21060 P-8-1419 NOZZLE	
1	EA	86693	21307 P-8-9879 MOISTURE CAR	
1	EA	86694	21308 P-8-9880 MOISTURE CAR	
1	EA	86218	21L89 LIMIT CONTROL	
1	EA	86946	21W81 80/10 @ 440V CAPACITOR	
1	EA	86695	24W97 101231-01 PRESSURE SWITCH	
1	EA	86696	24W98 101231-02 PRESSURE SWITCH	
1	EA	86697	25J49 3AMP 32 VOLT FUSE	
1	EA	85102	25M59 LIMIT CONTROL	
1	EA	86698	26G42 1/30HP 1PH 115V MOTOR	
1	EA	86699	26H61 DAMPER SWITCH	
1	EA	86700	26H66 LIMIT CONTROL	
1	EA	86701	26H78 MANUAL RESET SWITCH	
1	EA	86705	27J02 FLAME SENSOR	
1	EA	85103	27J29 190-220F 7IN AUTO LIMIT SWITCH	
1	EA	86706	27L41 LB-91394B ELECTRODE	
1	EA	86707	27W17 101256-01 .85 PRESSURE SWITCH	
1	EA	86708	28G13 INTERLOCK SWITCH	
1	EA	86709	28G80 LIMIT CONTROL	
1	EA	86710	28H02 LB-25922BAD HEAT EXCHANGER	
1	EA	86711	28H04 LB-25922BAF HEAT EXCHANGER	
1	EA	86712	28H06 LB-25922BAH HEAT EXCHANGER	
1	EA	86714	29K12 2IN FLUE PLUG	
1	EA	86717	30W25 100925-03 IGNITION CONTROL	
1	EA	86718	31J35 PILOT BURNER	
1	EA	86721	32663 P-8-7505 1/3 MOTOR	
1	EA	86722	32F23 ELBOW FITTING	
1	EA	86723	32K39 LB-88959B HEADER BOX	
1	EA	86724	32K96 LB-88960 CONDENSATE TRAP	
1	EA	86725	32M65 FLUE COLLAR	
1	EA	86726	32M86 SENSOR	
1	EA	86727	33J89 PRESSURE SWITCH	
1	EA	86728	33K98 33K9801PR ELBOW/NUT	
1	EA	86729	33M70 LB-101225A COMB AIR BLOWER KIT	
1	EA	86928	33W84 100481-14 EXPANSION VALVE (R410A)	

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Allied Commercial/Lennox Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	86221	34K76 1/3HP 1 PH 208/203V MOTOR	
1	EA	86222	34K77 1/3HP 1PH 208/203V MOTOR	
1	EA	86730	37J56 CIRCUIT BREAKER SWITCH	
1	EA	86731	38631 P-8-9490 TRANSFORMER	
1	EA	86223	38758 P-8-10407 60A-CB SWITCH	
1	EA	86224	38W83 100483-19 1/15HP 208/230 FAN MOTOR	
1	EA	86225	38W84 100483-20 1/12HP 208/230 FAN MOTOR	
1	EA	86733	39W98 LB-96382B CONDENSATE TRAP ASSY	
1	EA	86226	40K82 40K8201 BDC3-1 CONTROL	
1	EA	86734	40L81 LB-94701A SENSOR KIT	
1	EA	86735	41K35 VR8204H1048 GAS VALVE	
1	EA	86736	41K37 GAS VALVE	
1	EA	86738	41K56 LB-109261A IGNITOR	
1	EA	86739	43J57 LB-65734C COMB AIR BLOWER ASSY	
1	EA	86740	43J58 LB-65734E COMB AIR BLOWER ASSY	
1	EA	86741	43W85 LB-94724M COMB AIR S/A BLOWER	
1	EA	86742	44A93 145-175 MFD @330V ROUND CAPACITOR	
1	EA	86743	44J07 LB-65734D COMB AIR BLOWER ASSY	
1	EA	86744	44W38 102100-04 COLLECTOR BOX	
1	EA	86746	45L15 LB-94568 .89 NAT ORIFICE	
1	EA	86747	47M55 LB-94724D COMB AIR BLOWER ASSY	
1	EA	86749	48L96 LB-65734J COMB AIR BLOWER ASSY	
1	EA	86230	49K03 EXPANSION VALVE	
1	EA	86752	49K85 PILOT W/ELECTRODE	
1	EA	86753	49L03 LIMIT CONTROL	
1	EA	86754	49L88 LIMIT CONTROL	
1	EA	86755	49L91 PRESSURE SWITCH	
1	EA	86231	49W62 603113-01 REVERSING VALVE	
1	EA	86757	50F89 LB-48950D GASKET	
1	EA	86758	50M18 LB-101508A RING/CAP/PLUG REPL KIT	
1	EA	86759	51H74 110V MOTOR	
1	EA	86760	51M14 FLAME SENSOR	
1	EA	86761	51W91 101256-03 .95 PRESSURE SWITCH	
1	EA	86762	51W92 101256-04 1.00 PRESSURE SWITCH	
1	EA	86763	52W29 LB-74940A FLAME SENSOR KIT	
1	EA	86764	53H02 53H0201PR CAPACITOR KIT	
1	EA	86765	53H13 53H1301PR CAPACITOR KIT	
1	EA	86767	54G52 TRANSFORMER	
1	EA	86233	56L33 1/10HP 208/230V 1PH MOTOR	
1	EA	86775	56M40 GAS VALVE	
1	EA	86776	56M61 IGNITION CONTROL	
1	EA	86778	57M85 LB-94724E COMB AIR BLOWER	
1	EA	86234	58327 P-8-3577 POT RELAY	
1	EA	86235	58C97 TIME DELAY RELAY	
1	EA	86780	58L67 LB-94731B BURNER ASSY	
1	EA	86237	58L68 LB-94731C BURNER ASSY	
1	EA	86779	58L69 LB-94731D BURNER ASSY	
1	EA	88774	59W47 102630-01 M2 UNIT CONTROLLER REPL KIT	
1	EA	86781	61854 P-8-10191 PILOT BURNER	
1	EA	86782	61M35 LB-96382A COND TRAP ASSY	
1	EA	86783	62K50 LB-79982C FLAME SENSOR KIT	
1	EA	86784	63A06 176-216 MFD @ 320V ROUND CAPACITOR	
1	EA	86239	63K46 DEFROST THERMOSTAT	
1	EA	86786	63K93 PRESSURE SWITCH	
1	EA	86787	63W26 100869-03 2 STAGE IGNITION CONTROL	
1	EA	86860	63W27 100870-03 2 STG VARIABLE SPD IGN CONTROL	
1	EA	86240	63W36 605953-01 W/102791-01 CONTROL BRD KIT	
1	EA	86861	63W40 102529-01 .20/.40 2 STG PRESSURE SWITCH	
1	EA	86862	64L80 LB-98453A DIAPHRAGM KIT	
1	EA	86863	64L81 LB-98453B DIAPHRAGM KIT	
1	EA	86864	65C70 20394902 CONTACTOR	
1	EA	86865	65G60 1/6HP 1PH 230V MOTOR	
1	EA	86866	65W69 605341-01 ICOMFORT FURNACE CONTROL KIT	
1	EA	86867	66247 P-8P1674 FUSE	

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Allied Commercial/Lennox Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	86868	66C67 P-8-10283 RELAY	
1	EA	86870	67M54 LB-107228C BLOWER REPL KIT	
1	EA	86871	67M64 LB-107225N BLOWER REPL KIT	
1	EA	86872	67M68 LB-107228T BLOWER REPL KIT	
1	EA	86873	67M69 LB-107228W BLOWER REPL KIT	
1	EA	86874	68J97 1/6HP 1PH 208/230V MOTOR	
1	EA	86875	68K21 LB-65734G COMB AIR BLOWER ASSY	
1	EA	86878	69J37 PILOT W/ELECTRODE	
1	EA	86944	69M31 COMBUSTION AIR BLOWER	
1	EA	86879	69M32 COMB AIR BLOWER	
1	EA	86880	69M66 55/5 MFD @ 440V CAPACITOR	
1	EA	86881	70W46 605263-01 1/2HP 1PH 120V MOTOR	
1	EA	86882	70W47 605263-03 1HP 1 PH 120V MOTOR & MODULE	
1	EA	86883	71G17 MANUAL RESET SWITCH	
1	EA	86884	71G35 FUSE	
1	EA	86885	71J07 LIMIT CONTROL	
1	EA	86242	71K11 LB-90973A SW REPL KIT	
1	EA	86886	72F83 TIME DELAY RELAY	
1	EA	86887	72H36 1/4HP 1PH 208/230V MOTOR	
1	EA	86888	72H73 1/6HP 1PH 208/230V MOTOR	
1	EA	86889	73K93 RETAINING NUT	
1	EA	86890	73W45 102813-02 COMM IGNITION CONTROL	
1	EA	86891	73W66 102803-02 FAN ASSY MOTOR	
1	EA	86929	73W84 100145-11 REVERSING VALVE	
1	EA	86894	75M21 IGNITOR	
1	EA	86896	78L29 LIMIT CONTROL	
1	EA	86897	79J74 BURNER	
1	EA	86898	79L56 65254300 TAPERED ORIFICE	
1	EA	86899	80C93 PURGE BLOWER	
1	EA	86901	80K26 PRESSURE SWITCH	
1	EA	86902	81F94 LB-17431CB BURNER	
1	EA	86903	81J05 81J0501PR PILOT KIT	
1	EA	86905	81M42 UPFLOW CONDENSATE COLLAR	
1	EA	86213	81W03 100973-01 IGNITION CONTROL 17W70	
1	EA	86243	81W99 100135-06 DEFROST BOARD	
1	EA	86906	83L83 LIMIT CONTROL	
1	EA	86907	83L90 LIMIT CONTROL	
1	EA	86908	83M56 LB-94724H COMB AIR BLOWER	
1	EA	86909	84K47 LB-91398C REPL HEAT EXCHANGER	
1	EA	86910	84L00 LIMIT CONTROL	
1	EA	86912	85H75 85H7501PR DEFROST CONTROL	
1	EA	86913	85L49 LB-98714A COMB AIR BLOWER ASSY	
1	EA	86244	85M56 100094-01 ACORN NUT	
1	EA	86914	86G17 MOUNT	
1	EA	86915	86G47 BURNER CLIP	
1	EA	86916	86H56 BEARING	
1	EA	86917	87A62 LB-29333BBC WHEEL	
1	EA	86918	87F16 LIMIT CONTROL	
1	EA	86245	88K09 THERMAL RELAY	
1	EA	86246	88K30 DEFROST THERMOSTAT	
1	EA	86919	88K38 DISCHARGE AIR SENSOR	
1	EA	86940	90W70 3T ZR38K5-PFV-130 COMPRESSOR	
1	EA	86920	93G35 FREEZE THERMOSTAT	
1	EA	86248	93J67 1/3HP 208/230V 1PH MOTOR	
1	EA	86922	93M26 LB-96140C BAG ASSY	
1	EA	86941	93W76 606569-04 PRESSURE SWITCH KIT	
1	EA	86947	93W86 103614-11 MPL .65 PRESSURE SWITCH	
1	EA	86948	93W94 103614-19 .90 PRESSURE SWITCH	
1	EA	86249	94J45 LB-87156A UNIT STAND OFF KIT	
1	EA	86924	97H76 DOOR SPRING	
1	EA	86925	99K57 COMB BLOWER	
1	EA	86926	99K65 GAS VALVE	
1	EA	86238	Y4749 60J0001 IGN CONTROL KIT	

Accessories

AIREASE

Combustible Floor Bases

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	67399	ABASE514 COMBUSTIBLE FLOOR BASE GCK 075 100 125 D20	

LP Kits & Fossil Fuel Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63436	ALPKT550 LP KIT GC93 & GU93	
1	EA	67324	ALPKT574-3 LP KIT	
1	EA	66118	ALPKT583-1 LP KIT	
1	EA	61349	A270-2 FOSSIL FUEL KIT	

Service Valves

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61270	R41476-004 LIQUID SERVICE VALVE	
1	EA	61271	R41476-005 SUCTION SERVICE VALVE	
1	EA	61272	R41476-006 SUCTION SERVICE VALVE	

Twinning Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64380	ATWIN579-1 TWINNING KIT	

Blower Drives

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61891	SSA37 1.5HP 200V 3PH MOTOR AHH AHV 120	

Vent Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61600	A-500-1 VENT KIT	

Delay Timer Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63488	A1STGCTRL-2 DELAY TIMER KIT	

Filter Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	67390	AFILT529 FILTER KIT	

GRTC Series Flush Air Diffuser

AIREASE

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61708	RA31 FLUSH AIR DIFFUSER GRTC119	

LGA/LGC Series Accessories

AIREASE

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63126	16K95 ECONOMIZER DMPR 0-100% LGA 180-240 NS	
1	EA	65959	53K51 LAREMD10/1 0-100% ECONMZR DAMPER LGA 102-150	
1	EA	67653	33K72 LAREMD30/3 0-100% ECONMZR DAMPER LGA 300-360	

Coil Cabinets

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	23204	655 14W X 24H X 28D 22GA COIL CABINET ONLY	
1	EA	23205	655 18W X 29H X 28D 22GA COIL CABINET ONLY	
1	EA	23206	655 22W X 30H X 28D 22GA COIL CABINET ONLY	
1	EA	23207	655 24W X 30H X 28D 22GA COIL CABINET ONLY	
1	EA	23213	655-36 22W X 20H X 28D COIL CABINET ONLY	

KGA Packaged Gas/Electric Rooftop Units Accessories

KGA Series Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61674	16W87 3-5T T-SERIES ECONOMIZER HOOD -SHORT CABINET	
1	EA	61677	15D18 3-6T K-SERIES (53W34) MANUAL DAMPER W/HOOD-C1DAMP11A	
1	EA	63066	76M37 3-25T T-SERIES SENSIBLE CONTROL KIT	
6	EA	80629	A50 CARBIDE TIPPED SCRIBER	
1	EA	86319	17W71 T1SNSR60AN1 DIFFERENTIAL ENTHALPY SENSOR	
1	EA	86320	53W37 T1DAMP11AT1 MANUAL DAMPER WITH HOOD 16W91	

95G2V Series Gas Furnaces

Upflow/Horizontal, Two-Stage, Variable Speed



Heat Exchanger Design
- Aluminized steel heat exchanger material
- AL29-4C stainless steel secondary heat exchanger
- Non-welded crimped S-curve primary heat exchanger design for maximum durability

Burners
- Aluminized steel in shot burners for smoot ignition
- Isolated burner enclosure for quiet operation

Air Delivery System
- Efficient ECM variable speed blower motor
- Easily removable slide-out blower design

Controls
- System Sentry™ control retains last five (5) fault codes with push button memory recall, regardless of power interruption

Specifications
- Gas Inlet: 1/2"
- Volts/Hz/Phase: 120-60-1
- Trans. (V.A.): 40

Venting
- 2-speed induced draft motor with stainless steel shaft, steel ball bearings, and fan cooled for long life
- Certified for direct vent (2-pipe) applications only

Installation Features
- Left or right gas and electric entry
- Zero step horizontal conversion
- Removable floor base for bottom return air

Warranty*
- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model Number	1st Stage		2nd Stage		AFUE	Nom. Cooling Cap. (Tons)	Max. Time Delay Breaker or Fuse	Nominal F.L.A.	Supply W x D (In)	Return W x D (In)	Approx. Ship Weight (Lbs.)
	Input (Btuh)	Ouput (Btuh)	Input (Btuh)	Output (Btuh)							
95G2UH045BV12	29,000	28,000	44,000	42,000	95.0	3	15	7.7	16-3/8 x 19-1/2	23 x 14	130
95G2UH070BV12	43,000	41,000	66,000	62,000	95.0	3	15	7.7	16-3/8 x 19-1/2	23 x 14	138
95G2UH090CV12	57,000	55,000	88,000	84,000	95.0	3	15	7.7	19-7/8 x 19-1/2	23 x 14	154
95G2UH090CV20	57,000	55,000	88,000	85,000	95.0	5	20	12.8	19-7/8 x 19-1/2	23 x 14	166
95G2UH110CV20	72,000	70,000	110,000	105,000	95.0	4	15	12.8	19-7/8 x 19-1/2	23 x 14	173
95G2UH135DV20	88,000	84,000	135,000	126,000	95.0	5	20	12.8	23-3/8 x 19-1/2	23 x 14	188

Furnaces

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	84534	95G2UH045BV12 95% 45K 3T 2STG VAR FURNACE UPFLOW/HORIZ
33 x 17-1/2 x 28-1/2	1	EA	84535	95G2UH070BV12 95% 70K 3T 2STG VAR FURNACE UPFLOW/HORIZ
33 x 21 x 28-1/2	1	EA	84536	95G2UH090CV12 95% 90K 3T 2STG VAR FURNACE UPFLOW/HORIZ
33 x 21 x 28-1/2	1	EA	84537	95G2UH090CV20 95% 90K 5T 2STG VAR FURNACE UPFLOW/HORIZ
33 x 21 x 28-1/2	1	EA	84538	95G2UH110CV20 95% 110K 5T 2STG VAR FURNACE UPFLOW/HORIZ
33 x 24-1/2 x 28-1/2	1	EA	84539	95G2UH135DV20 95% 135K 5T 2STG VAR FURNACE UPFLOW/HORIZ

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85410	11K48 LP KIT F/80 THRU 95 2 STG VAR
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
1	EA	87909	84W50 605927-11 NIGHT SERVICE KIT A95UH/DF 95G2
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

95G2V Series Gas Furnaces

Downflow, Two-Stage, Variable Speed



Heat Exchanger Design
- Aluminized steel heat exchanger material
- AL29-4C stainless steel secondary heat exchanger
- Non-welded crimped S-curve primary heat exchanger design for maximum durability

Burners
- Aluminized steel in shot burners for smoot ignition
- Isolated burner enclosure for quiet operation

Air Delivery System
- Efficient ECM variable speed blower motor
- Easily removable slide-out blower design

Controls
- System Sentry™ control retains last five (5) fault codes with push button memory recall, regardless of power interruption

Specifications
- Gas Inlet: 1/2"
- Volts/Hz/Phase: 120-60-1
- Trans (V.A.): 40

Venting
- 2-speed induced draft motor with stainless steel shaft, steel ball bearings, and fan cooled for long life
- Certified for direct vent (2-pipe) applications only

Installation Features
- Left or right gas and electric entry
- Zero step horizontal conversion

Warranties*
- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model Number	1st Stage		2nd Stage		AFUE	Nom. Cooling Capacity (tons)	Max. Time Delay Breaker or Fuse	Nominal F.L.A.	Supply W x D	Return W x D	Approx. Ship Weight (lbs.)
	Input (Btuh)	Ouput (Btuh)	Input (Btuh)	Output (Btuh)							
95G2DF045BV12	29,000	28,000	44,000	43,000	95.0	3	15	7.7	16 x 20-1/8	16-3/8 x 19-1/2	131
95G2DF070BV16	43,000	42,000	66,000	64,000	95.0	4	15	10.1	16 x 20-1/8	16-3/8 x 19-1/2	138
95G2DF090CV20	57,000	56,000	88,000	85,000	95.0	5	20	12.8	19-1/2 x 20-1/8	19-7/8 x 19-1/2	166
95G2DF110CV20	72,000	70,000	110,000	106,000	95.0	5	20	12.8	19-1/2 x 20-1/8	19-7/8 x 19-1/2	176

Furnaces

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	84530	95G2DF045BV12 95% 45K 3T 2STG VAR FURNACE DOWNFLOW
33 x 17-1/2 x 28-1/2	1	EA	84531	95G2DF070BV16 95% 70K 4T 2STG VAR FURNACE DOWNFLOW
33 x 21 x 28-1/2	1	EA	84532	95G2DF090CV20 95% 90K 5T 2STG VAR FURNACE DOWNFLOW
33 x 21 x 28-1/2	1	EA	84533	95G2DF110CV20 95% 110K 5T 2STG VAR FURNACE DOWNFLOW

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85410	11K48 LP KIT F/80 THRU 95 2 STG VAR
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
1	EA	87909	84W50 605927-11 NIGHT SERVICE KIT A95UH/DF 95G2
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

95G1UHE Series Gas Furnaces

High Efficiency, Single-Stage, Upflow/Horizontal



Heat Exchanger Designer
- Aluminized steel primary heat exchanger
- AL29-4C stainless steel secondary heat exchanger
- Non-welded, crimped construction

Air Delivery System
- Multi-speed high efficiency blower motor
- Easily removable slide out blower design
- Enhanced cooling SEER ratings when applied with properly matched cooling equipment.

Controls
- Single-stage gas valve
- Durable silicon nitride ignitor
- Self diagnosics saves last 10 fault codes regardless of power interuptions

Burners
Aluminized steel inshot burners for smooth ignition

Venting
- Designed certified for direct (2-pipe) and non-direct (1-pipe) applications
- Easily vented with PVC pipe

Installation Features
- Left or right utility connection
- Design certified for direct and non-direct vent applications
- Zero step horizontal conversion
- Removable floor base for bottom return air

Warranty*
- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model Number	1st Stage Input (Btuh)	1st Stage Ouput (Btuh)	AFUE %	Nom. Cooling Capacity	Gas Inlet (in)	Nominal F.L.A.	Supply W x D (In)	Return W x D (In)	Approx. Ship Weight (Lbs)
95G1UH045BE12	44,000,	42,000	95.0	1-1/2–3	1/2	6.8	16-3/8 x 19-1/2	16 x 23-1/2	129
95G1UH070BE12	66,000	64,000	95.0	1-1/2–3	1/2	6.8	16-3/8 x 19-1/2	16 x 23-1/2	134
95G1UH090CE16	88,000	85,000	95.0	2-1/2–4	1/2	8.4	19-7/8 x 19-1/2	19-1/2 x 23-1/2	158
95G1UH110CE20	110,000	106,000	95.0	3–5	1/2	10.9	19-7/8 x 19-1/2	19-1/2 x 23-1/2	170
95G1UH135DE20	132,000	128,000	95.0	3-1/2–5	1/2	10.9	23-3/8 x 19-1/2	23 x 23-1/2	187

Furnaces

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	84491	95G1UH045BE12 95% 45K 3T UPFLOW/HORIZ CONSTANT TORQUE FURNACE
33 x 17-1/2 x 28-1/2	1	EA	84492	95G1UH070BE12 95% 70K 3T UPFLOW/HORIZ CONSTANT TORQUE FURNACE
33 x 21 x 28-1/2	1	EA	84493	95G1UH090BE16 95% 90K 4T UPFLOW/HORIZ CONSTANT TORQUE FURNACE
33 x 21 x 28-1/2	1	EA	84494	95G1UH110CE20 95% 110K 5T UPFLOW/HORIZ CONSTANT TORQUE FURNACE
33 x 24-1/2 x 28-1/2	1	EA	84495	95G1UH135DE20 95% 135K 5T UPFLOW/HORIZ CONSTANT TORQUE FURNACE

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
1	EA	86826	86W57 605927-14 NIGHT SERVICE KIT
1	EA	84871	85W66 608261-01 BLOWER RELAY KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

95G1DFE Series Gas Furnaces

High Efficiency, Single-Stage, Downflow



Heat Exchanger Designer
- Aluminized steel primary heat exchanger
- AL29-4C stainless steel secondary heat exchanger
- Non-welded, crimped construction

Air Delivery System
- Multi-speed high efficiency blower motor
- Easily removable slide out blower design
- Enhanced cooling SEER ratings when applied with properly matched cooling equipment.

Controls
- Single-stage gas valve
- Durable silicon nitride ignitor
- Self diagnosics saves last 10 fault codes regardless of power interuptions

Burners
Aluminized steel inshot burners for smooth ignition

Venting
- Designed certified for direct (2-pipe) and non-direct (1-pipe) applications
- Easily vented with PVC pipe

Installation Features
- Left or right utility connection
- Design certified for direct and non-direct vent applications
- Zero step horizontal conversion
- Removable floor base for bottom return air

Warranty*
- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model Number	1st Stage Input (Btuh)	1st Stage Ouput (Btuh)	AFUE %	Nom. Cooling Capacity	Gas Inlet (In)	Nominal F.L.A.	Supply W x D (In)	Return W x D (In)	Approx. Ship Weight (Lbs)
95G1DF045BE12	44,000	42,000	95.0	1-1/2–3	1/2	6.8	16 x 20-1/8	15-1/2 x 19-1/2	131
95G1DF070BE16	66,000	64,000	95.0	2-1/2–4	1/2	8.4	16 x 20-1/8	15-1/2 x 19-1/2	144
95G1DF090CE16	88,000	85,000	95.0	2-1/2–4	1/2	8.4	19-1/2 x 20-1/8	19 x 19-1/2	160
95G1DF110CE20	110,000	106,000	95.0	3–5	1/2	10.9	19-1/2 x 20-1/8	19 x 19-1/2	174

Furnaces

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	84496	95G1DF045BE12 95% 45K 3T DOWNFLOW CONSTANT TORQUE FURNACE
33 x 17-1/2 x 28-1/2	1	EA	84497	95G1DF070BE16 95% 70K 4T DOWNFLOW CONSTANT TORQUE FURNACE
33 x 21 x 28-1/2	1	EA	84498	95G1DF090CE16 95% 90K 4T DOWNFLOW CONSTANT TORQUE FURNACE
33 x 21 x 28-1/2	1	EA	84499	95G1DF110CE20 95% 110K 5T DOWNFLOW CONSTANT TORQUE FURNACE

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
1	EA	86826	86W57 605927-14 NIGHT SERVICE KIT
1	EA	84871	85W66 608261-01 BLOWER RELAY KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

95G1UH Series Gas Furnaces

Upflow/Horizontal, Single-Stage



Heat Exchanger Design

- Aluminized steel design primary heat exchanger with crimped no weld construction
- AL 29-4C stainless steel secondary heat exchanger

Air Delivery System

- Multi-speed PSC blower motor
- Easily removable slide-out blower design

Controls

- Self diagnostics saves last 5 fault codes regardless of power interruption

Specifications

- Gas Inlet: 1/2"
- Volts/Hz/Phase: 120/60/1
- Trans. (V.A.): 40

Venting

- Design certified for direct and non-direct applications

Installation Features

- Left or right utility connection
- Zero step horizontal conversion
- Removable floor base for bottom return air

Warranties*

- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete detalis.

Model No.	Input (Btuh)	Output (Btuh)	AFUE (%)	Nom. Cooling Capacity	Max. Time Delay Breaker or Fuse	Nominal F.L.A.	Supply W x D	Return W x D	Approx. Ship Wt. (lbs.)
95G1UH045BP08	44,000	41,000	95.0	1.5-2.0	15	3.1	16-3/8 x 19-1/2	23 x 14	121
95G1UH045BP12	44,000	42,000	95.0	2.0-3.0	15	6.1	16-3/8 x 19-1/2	23 x 14	123
95G1UH070BP12	66,000	64,000	95.0	2.0-3.0	15	6.1	16-3/8 x 19-1/2	23 x 14	128
95G1UH090CP12	88,000	85,000	95.0	2.0-3.0	15	6.1	19-7/8 x 19-1/2	23 x 14	145
95G1UH090CP16	88,000	85,000	95.0	3.0-4.0	15	8.2	19-7/8 x 19-1/2	23 x 14	148
95G1UH110CP16	110,000	106,000	95.0	3.0-4.0	15	8.2	19-7/8 x 19-1/2	23 x 14	157
95G1UH110CP20	110,000	106,000	95.0	4.0-5.0	15	10.0	19-7/8 x 19-1/2	23 x 14	163
95G1UH135DP20	132,000	126,000	95.0	4.0-5.0	15	10.0	23-3/8 x 19-1/2	23 x 14	180

Furnaces

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	84433	95G1UH045BP08 95% 45K 2T UPFLOW/HORIZ FURNACE
33 x 17-1/2 x 28-1/2	1	EA	84434	95G1UH045BP12 95% 45K 3T UPFLOW/HORIZ FURNACE
33 x 17-1/2 x 28-1/2	1	EA	84435	95G1UH070BP12 95% 70K 3T UPFLOW/HORIZ FURNACE
33 x 21 x 28-1/2	1	EA	84436	95G1UH090CP12 95% 90K 3T UPFLOW/HORIZ FURNACE
33 x 21 x 28-1/2	1	EA	84437	95G1UH090CP16 95% 90K 4T UPFLOW/HORIZ FURNACE
33 x 21 x 28-1/2	1	EA	84438	95G1UH110CP16 95% 110K 4T UPFLOW/HORIZ FURNACE
33 x 21 x 28-1/2	1	EA	84439	95G1UH110CP20 95% 110K 5T UPFLOW/HORIZ FURNACE
33 x 24-1/2 x 28-1/2	1	EA	84440	95G1UH135DP20 95% 135K 5T UPFLOW/HORIZ FURNACE

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

95G1DF Series Gas Furnaces

Downflow, Single-Stage



Heat Exchanger Design
- Aluminized steel design primary heat exchanger with crimped no weld construction
- AL 29-4C stainless steel secondary heat exchanger

Air Delivery System
- Multi-speed PSC blower motor
- Easily removable slide-out blower design

Controls
- Self diagnostics saves last 5 fault codes regardless of power interruption

Specifications
- Gas Inlet: 1/2"
- Volts/Hz/Phase: 120/60/1
- Trans. (V.A.): 40

Venting
- Design certified for direct and non-direct applications

Installation Features
- Left or right utility connection

Warranties*
- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Input (Btuh)	Output (Btuh)	AFUE (%)	Nom. Cooling Capacity	Max. Time Delay Breaker or Fuse	Nominal F.L.A.	Supply W x D	Return W x D	Approx. Ship Wt. (lbs.)
95G1DF045BP12	44,000	42,000	95.0	2.0-3.0	15	6.1	16 x 20-1/8	16-3/8 x 19-1/2	125
95G1DF070BP12	66,000	64,000	95.0	2.0-3.0	15	6.1	16 x 20-1/8	16-3/8 x 19-1/2	131
95G1DF090CP20	88,000	85,000	95.0	4.0-5.0	20	11.5	19-1/2 x 20-1/8	19-7/8 x 19-1/2	150
95G1DF110CP20	110,000	106,000	95.0	4.0-5.0	20	11.5	19-1/2 x 20-1/8	19-7/8 x 19-1/2	165

Furnaces

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	84429	95G1DF045BP12 95% 45K 3T DOWNFLOW FURNACE
33 x 17-1/2 x 28-1/2	1	EA	84430	95G1DF070BP12 95% 70K 3T DOWNFLOW FURNACE
33 x 21 x 28-1/2	1	EA	84431	95G1DF090CP20 95% 90K 5T DOWNFLOW FURNACE
33 x 21 x 28-1/2	1	EA	84432	95G1DF110CP20 95% 110K 5T DOWNFLOW FURNACE

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

92G1UH Series Gas Furnaces

Upflow/Horizontal, Single-Stage



Heat Exchanger Design

- Aluminized steel design primary heat exchanger with crimped no weld construction
- AL 29-4C stainless steel secondary heat exchanger

Air Delivery System

- Multi-speed PSC blower motor
- Easily removable slide-out blower design

Controls

- Self diagnostics saves last 5 fault codes regardless of power interruption

Specifications

- Gas Inlet: 1/2"
- Volts/Hz/Phase: 120/60/1
- Trans. (V.A.): 40

Venting

- Design certified for direct and non-direct applications

Installation Features

- Left or right utility connection
- Zero step horizontal conversion
- Removable floor base for bottom return air

Warranties*

- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Input (Btuh)	Output (Btuh)	AFUE (%)	Nom. Cooling Capacity	Max. Time Delay Breaker or Fuse	Nominal F.L.A.	Supply (W x D)	Return (W x D)	Approx. Ship Wt. (lbs.)
92G1UH045BP08	44,000	41,000	92.1	1.5-2.0	15	3.1	16-3/8 x 19-1/2	23 x 14	120
92G1UH045BP12	44,000	42,000	92.1	2.5-3.0	15	6.1	16-3/8 x19-1/2	23 x 14	122
92G1UH070BP08	66,000	62,000	92.1	1.5-2.0	15	3.1	16-3/8 x 19-1/2	23 x 14	125
92G1UH070BP12	66,000	62,000	92.1	2.5-3.0	15	6.1	16-3/8 x 19-1/2	23 x 14	127
92G1UH090CP12	88,000	83,000	92.1	2.0-3.0	15	6.1	19-7/8 x 19-1/2	23 x 14	143
92G1UH090CP16	88,000	83,000	92.1	3.0-4.0	15	8.2	19-7/8 x 19-1/2	23 x 14	146
92G1UH110CP16	110,000	104,000	92.1	3.0-4.0	15	8.2	19-7/8 x 19-1/2	23 x 14	155
92G1UH110CP20	110,000	104,000	92.1	4.0-5.0	15	10.0	19-7/8 x 19-1/2	23 x 14	161
92G1UH135DP20	135,000	124,000	92.1	4.0-5.0	15	10.0	23-3/8 x 19-1/2	23 x 14	178

Furnaces

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	84420	92G1UH045BP08 92% 45K 2T UPFLOW/HORIZ FURNACE
33 x 17-1/2 x 28-1/2	1	EA	84421	92G1UH045BP12 92% 45K 3T UPFLOW/HORIZ FURNACE
33 x 17-1/2 x 28-1/2	1	EA	84422	92G1UH070BP08 92% 70K 2T UPFLOW/HORIZ FURNACE
33 x 17-1/2 x 28-1/2	1	EA	84423	92G1UH070BP12 92% 70K 3T UPFLOW/HORIZ FURNACE
33 x 21 x 28-1/2	1	EA	84424	92G1UH090CP12 92% 90K 3T UPFLOW/HORIZ FURNACE
33 x 21 x 28-1/2	1	EA	84425	92G1UH090CP16 92% 90K 4T UPFLOW/HORIZ FURNACE
33 x 21 x 28-1/2	1	EA	84426	92G1UH110CP16 92% 110K 4T UPFLOW/HORIZ FURNACE
33 x 21 x 28-1/2	1	EA	84427	92G1UH110CP20 92% 110K 5T UPFLOW/HORIZ FURNACE
33 x 24-1/2 x 28-1/2	1	EA	84428	92G1UH135DP20 92% 135K 5T UPFLOW/HORIZ FURNACE

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

92G1DF Series Gas Furnaces

Downflow, Single-Stage



Heat Exchanger Design
- Aluminized steel design primary heat exchanger with crimped no weld construction
- AL 29-4C stainless steel secondary heat exchanger

Air Delivery System
- Multi-speed PSC blower motor
- Easily removable slide-out blower design

Controls
- Self diagnostics saves last 5 fault codes regardless of power interruption

Specifications
- Gas Inlet: 1/2"
- Volts/Hz/Phase: 120/60/1
- Trans. (V.A.): 40

Venting
- Design certified for direct and non-direct applications

Installation Features
- Left or right utility connection

Warranties*
- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Input (Btuh)	Output (Btuh)	AFUE (%)	Nom. Cooling Capacity	Max. Time Delay Breaker or Fuse	Nominal F.L.A.	Supply W x D	Return W x D	Approx. Ship Weight (lbs.)
92G1DF045BP12	44,000	42,000	92.1	2.5-3.0	15	6.1	16 x 20-1/8	16-3/8 x 19-1/2	124
92G1DF070BP12	66,000	62,000	92.1	2.5-3.0	15	6.1	16 x 20-1/8	16-3/8 x 19-1/2	129
92G1DF090CP16	88,000	84,000	92.1	3.0-4.0	15	8.2	19-1/2 x 20-1/8	19-7/8 x 19-1/2	147
92G1DF110CP20	110,000	104,000	92.1	4.0-5.0	20	11.5	19-1/2 x 20-1/8	19-7/8 x 19-1/2	162

Furnaces

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 17-1/2 x 28-1/2	1	EA	84416	92G1DF045BP12 92% 45K 3T DOWNFLOW FURNACE
33 x 17-1/2 x 28-1/2	1	EA	84417	92G1DF070BP12 92% 70K 3T DOWNFLOW FURNACE
33 x 21 x 28-1/2	1	EA	84418	92G1DF090CP16 92% 90K 4T DOWNFLOW FURNACE
33 x 21 x 28-1/2	1	EA	84419	92G1DF110CP20 92% 110K 5T DOWNFLOW FURNACE

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
1	EA	84341	51W11 2" AND 3" FLUSH MOUNT TERMINATION KIT
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	84342	71M80 2" W/ 1-1/2"ACCELARATOR CONCENTRIC VENT KIT
4	EA	84343	CVENT-2 2" CONCENTRIC VENT KIT 69M29
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT

80G2UH Series Gas Furnaces

Upflow/Horizontal, Two-Stage, Variable-Speed



Heat Exchanger Design
- Crimped no-weld aluminized clam shell heat exchanger construction

Air Delivery System
- ECM™ variable speed blower motor
- Easily removable slide-out blower design

Controls
- Self diagnostics saves last 5 fault codes regardless of power interruption

Specifications
- Gas Inlet: 1/2"
- Volts/Hz/Phase: 120/60/1
- Trans. (V.A.): 40

Installation Features
- Left or right utility connection
- Zero step horizontal conversion
- Removable floor base for bottom return air

Venting
- Rotatable draft inducer for venting flexibility

Warranties*
- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Input (Btuh)	Output (Btuh)	AFUE (%)	Nom. Cooling Capacity (Tons)	Max. Time Delay Breaker or Fuse	Nominal F.L.A.	Supply W x D (In)	Return W x D (In)	Approx. Ship Weight (Lbs)
80G2UH070AV12	66,000	52,800	80.0	3	15	7.7	13-3/8 x 19-1/2	23 x 14	128
80G2UH090BV16	88,000	70,400	80.0	4	20	12.8	16-3/8 x 19-1/2	23 x 14	154
80G2UH110CV20	110,000	88,000	80.0	5	20	12.8	19-7/8 x 19-1/2	23 x 14	181

Furnaces

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 14-1/2 x 28-3/8	1	EA	84413	80G2UH070AV12 80% 70K 3T UPFLOW/HORIZ FURNACE 2 STAGE VARIABLE SPEED
33 x 17-1/2 x 28-3/8	1	EA	84414	80G2UH090BV16 80% 90K 4T UPFLOW/HORIZ FURNACE 2 STAGE VARIABLE SPEED
33 x 21 x 28-3/8	1	EA	84415	80G2UH110CV20 80% 110K 5T UPFLOW/HORIZ FURNACE 2 STAGE VARIABLE SPEED

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	63872	68W81 TWO STAGE NIGHT SERVICE KIT
1	EA	84337	68W61 14.5" RETURN AIR BASE
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84259	77W08 LP KIT F/ 80% 2 STAGE FURNACE

80G1UH Series Gas Furnaces

Upflow/Horizontal, Single-Stage



Heat Exchanger Design
- Crimped no-weld aluminized clam shell heat exchanger construction

Air Delivery System
- Multi-speed PSC blower motor
- Easily removable slide-out blower design

Controls
- Self diagnostics saves last 5 fault codes regardless of power interruption

Specifications:
- Gas Inlet: 1/2"
- Volts/Hz/Phase: 120/60/1
- Trans. (V.A.): 40

Installation Features
- Left or right utility connection
- Zero step horizontal conversion
- Removable floor base for bottom return air

Venting
- Rotatable draft inducer for venting flexibility

Warranties*
- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Input (Btuh)	Output (Btuh)	AFUE (%)	Nom. Cooling Capacity	Max. Time Delay Breaker or Fuse	Nominal F.L.A.	Supply (W x D)	Return (W x D)	Approx. Ship Weight (Lbs)
80G1UH045AP12	44,000	35,200	80.0	2.0-3.0	15	6.1	13-3/8 x 19-1/2	23 x 14	110
80G1UH070AP08	66,000	52,800	80.0	1.5-2.0	15	3.1	13-3/8 x 19-1/2	23 x 14	114
80G1UH070AP12	66,000	52,800	80.0	2.0-3.0	15	6.1	13-3/8 x 19-1/2	23 x 14	119
80G1UH090BP12	88,000	70,400	80.0	2.0-3.0	15	6.1	16-3/8 x 19-1/2	23 x 14	131
80G1UH090BP16	88,000	70,400	80.0	3.0-4.0	15	8.2	16-3/8 x 19-1/2	23 x 14	183
80G1UH110CP12	110,000	88,000	80.0	2.0-3.0	15	6.1	19-3/8 x 19-1/2	23 x 14	144
80G1UH110CP16	110,000	88,000	80.0	3.0-4.0	15	8.2	19-3/8 x 19-1/2	23 x 14	151
80G1UH110CP20	110,000	88,000	80.0	4.0-5.0	15	10	19-3/8 x 19-1/2	23 x 14	161
80G1UH135DP20	132,000	105,600	80.0	4.0-5.0	15	10	23-3/8 x 19-1/2	23 x 14	174

Furnaces

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 14-1/2 x 28-3/8	1	EA	84404	80G1UH045AP12 80% 45K 3T UPFLOW/HORIZ FURNACE
33 x 14-1/2 x 28-3/8	1	EA	84405	80G1UH070AP08 80% 70K 2T UPFLOW/HORIZ FURNACE
33 x 14-1/2 x 28-3/8	1	EA	84406	80G1UH070AP12 80% 70K 3T UPFLOW/HORIZ FURNACE
33 x 17-1/2 x 28-3/8	1	EA	84407	80G1UH090BP12 80% 90K 3T UPFLOW/HORIZ FURNACE
33 x 17-1/2 x 28-3/8	1	EA	84408	80G1UH090BP16 80% 90K 4T UPFLOW/HORIZ FURNACE
33 x 21 x 28-3/8	1	EA	84409	80G1UH110CP12 80% 110K 3T UPFLOW/HORIZ FURNACE
33 x 21 x 28-3/8	1	EA	84410	80G1UH110CP16 80% 110K 4T UPFLOW/HORIZ FURNACE
33 x 21 x 28-3/8	1	EA	84411	80G1UH110CP20 80% 110K 5T UPFLOW/HORIZ FURNACE
33 x 24-1/2 x 28-3/8	1	EA	84412	80G1UH135DP20 80% 135K 5T UPFLOW/HORIZ FURNACE

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84331	72W47 LP KIT
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	84337	68W61 14.5" RETURN AIR BASE
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE

80G1DF Series Gas Furnace

Downflow, Single-Stage



Heat Exchanger Design

- Crimped no-weld aluminized clam shell heat exchanger construction

Air Delivery System

- Multi-speed PSC blower motor
- Easily removable slide-out blower design

Controls

- Self diagnostics saves last 5 fault codes regardless of power interruption

Specifications

- Gas Inlet: 1/2"
- Volts/Hz/Phase: 120/60/1
- Trans. (V.A.): 40

Installation Features

- Left or right utility connection

Venting

- Rotatable draft inducer for venting flexibility

Warranties*

- 10 year limited parts warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Input (Btuh)	Output (Btuh)	AFUE (%)	Nom. Cooling Capacity	Max. Time Delay Breaker or Fuse	Nominal F.L.A.	Supply (W x D)	Return (W x D)	Approx. Ship Weight (lbs.)
80G1DF045AP12	44,000	35,200	80.0	2.0-3.0	15	6.1	13 x 19-1/4	13-3/8 x 19-1/2	112
80G1DF070AP12	66,000	52,800	80.0	2.0-3.0	15	6.1	13 x 19-1/4	13-3/8 x 19-1/2	121
80G1DF090BP16	88,000	70,400	80.0	3.0-4.0	15	8.2	16 x 19-1/4	16-3/8 x 19-1/2	140
80G1DF110CP20	110,000	88,000	80.0	4.0-5.0	15	10.0	19-1/2 x 19-1/4	19-7/8 x 19-1/2	163

Furnaces

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33 x 14-1/2 x 28-3/8	1	EA	84400	80G1DF045AP12 80% 45K 3T DOWNFLOW FURNACE
33 x 14-1/2 x 28-3/8	1	EA	84401	80G1DF070AP12 80% 70K 3T DOWNFLOW FURNACE
33 x 17-1/2 x 28-3/8	1	EA	84402	80G1DF090BP16 80% 90K 4T DOWNFLOW FURNACE
33 x 21 x 28-3/8	1	EA	84403	80G1DF110CP20 80% 110K 5T DOWNFLOW FURNACE

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84331	72W47 LP KIT
1	EA	63861	68W80 SINGLE STAGE NIGHT SERVICE KIT
1	EA	84337	68W61 14.5" RETURN AIR BASE
1	EA	84338	68W62 17.5" RETURN AIR BASE
1	EA	84339	68W63 21" RETURN AIR BASE
1	EA	84340	68W64 24.5" RETURN AIR BASE

4AC18LT Series Condensing Units

18 SEER, 2-Stage, Split-System, R-410A



Compressor

- High-efficiency 2-stage Copeland UltraTech™ scroll compressor
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation

Cabinet

- Full metal louvered panels remove with just two screws per panel for easy coil cleaning and service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grill
- External gauge ports for easy service
- Controls located in corner post for easy installation and service

Coils

- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components

- Service valves positioned for quick installation and easy service
- Variable speed condenser fan motor with swept-wing fan blade
- High and low pressure switches factory installed
- ComfortAlert 2™ diagnostics is factory installed
- Factory installed crank case heater
- Charged for 15 ft. of line set

Warranties*

- 10 year limited parts warranty
- 10 year limited compressor warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/ Hz/Phase	Voltage Range	Min. Circuit Amp.	Max. Overcurrent Device (Amps)	Compressor		Fan Motor			Refrig. Charge (Oz.)	Weight (Lbs.)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM		
4AC18LT24	230/60/1	216-253	15.6	25	10.2	52.0	.7	1/3	825	302	297
4AC18LT36	230/60/1	216-253	23.7	40	16.6	82.0	.6	1/3	825	240	297
4AC18LT48	230/60/1	216-253	29.3	50	21.1	96.0	.8	1/3	825	252	297
4AC18LT60	230/60/1	216-253	34.4	60	25.6	118.0	.8	1/3	825	244	321

Condensing Units

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
44 x 37-2/3 x 35-2/3	1	EA	84464	4AC18LT24P 18 SEER 2T CONDENSER
44 x 37-2/3 x 35-2/3	1	EA	84461	4AC18LT36P 18 SEER 3T CONDENSER
44 x 37-2/3 x 35-2/3	1	EA	84462	4AC18LT48P 18 SEER 4T CONDENSER
44 x 37-2/3 x 35-2/3	1	EA	84463	4AC18LT60P 18 SEER 5T CONDENSER

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4AC18LT24-60	1	EA	61692	34M72 LOW AMBIENT KIT
4AC18LT24-36	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4AC18LT48-60	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE
4AC18LT24-60	1	EA	86920	93G35 FREEZE THERMOSTAT
All	1	EA	86229	47J27 LB-50709BK OFF CONTROL-TIMED
All	1	EA	84871	85W66 608261-01 BLOWER RELAY KIT

4AC16LT Series Condensing Units

16 SEER, 2-Stage, Split-System, R-410A



Compressor
- High-efficiency 2-stage Copeland UltraTech™ scroll compressor
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation

Cabinet
- Full metal louvered panels remove with just two screws per panel for easy coil cleaning and service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grill
- External gauge ports for easy service
- Controls located in corner post for easy installation and service

Coils
- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components
- Service valves positioned for quick installation and easy service
- High and low pressure switches factory installed
- ComfortAlert 2™ diagnostics is factory installed
- Factory installed crank case heater
- Charged for 15 ft. of line set

Warranties*
- 10 year limited parts warranty
- 10 year limited compressor warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/ Hz/Phase	Voltage Range	Min. Circuit. Amp	Max. Overcurrent Device (Amps)	Compressor		Fan Motor			Refrig. Charge (Oz)	Weight (Lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM		
4AC16LT24	230/60/1	197-253	13.9	20	11.4	52.0	1.1	1/5	1075	117	200
4AC16LT36	230/60/1	197-253	21.9	35	19.0	82.0	1.1	1/6	825	137	230
4AC16LT48	230/60/1	197-253	28.1	45	24.0	96.0	1.1	1/6	825	180	262
4AC16LT60	230/60/1	197-253	33.8	55	26.0	118.0	1.7	1/4	825	214	310

Condensing Units

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
29-3/4 x 26-3/4 x 24-3/4	1	EA	84457	4AC16LT24P 16 SEER 2T CONDENSER
29-3/4 x 31-1/4 x 29-3/8	1	EA	84458	4AC16LT36P 16 SEER 3T CONDENSER
37-3/4 x 31-1/4 x 29-3/8	1	EA	84459	4AC16LT48P 16 SEER 4T CONDENSER
43-3/4 x 31-1/4 x 29-3/8	1	EA	84460	4AC16LT60P 16 SEER 5T CONDENSER

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4AC16LT24-60	1	EA	61692	34M72 LOW AMBIENT KIT
4AC16LT24-60	1	EA	61702	45F08 T6-1469 COMPRESSOR LOW AMBIENT CUT-OFF
4AC16LT24-36	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4AC16LT48-60	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE
All	1	EA	86920	93G35 FREEZE THERMOSTAT
All	1	EA	86229	47J27 LB-50709BK OFF CONTROL-TIMED
All	1	EA	84871	85W66 608261-01 BLOWER RELAY KIT

4AC16L Series Condensing Units

16 SEER, Split-System, R-410A



- High-quality condenser coil with copper tubing and enhanced lanced fin for maximum heat transfer capacity
- Top discharge directs hot air and sound away from living area and shrubbery
- All units are factory run tested
- Easy access to electrical panels, pre-wired for easy hook-up
- High pressure switch factory installed
- Liquid line filter drier shipped loose
- ETL and ETLC approved
- AHRI certified

Warranties*

- 10 year limited parts warranty
- 10 year limited compressor warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Condensing Units

Prices Available on Request

Dimensions W x D x H (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
24.25 x 24.25 x 29	1	EA	86200	4AC16L18P 16 SEER 1.5T 1STG CONDENSER
28.25 x 28.25 x 29	1	EA	86201	4AC16L24P 16 SEER 2T 1STG CONDENSER
28.25 x 28.25 x 37	1	EA	86202	4AC16L30P 16 SEER 2.5T 1STG CONDENSER
28.25 x 28.25 x 37	1	EA	86203	4AC16L36P 16 SEER 3T 1STG CONDENSER
28.25 x 28.25 x 37	1	EA	86204	4AC16L41P 16 SEER 3.5T 1STG CONDENSER
28.25 x 28.25 x 33	1	EA	86205	4AC16L42P 16 SEER 3.5T 1STG CONDENSER
28.25 x 28.25 x 37	1	EA	86206	4AC16L47P 16 SEER 4T 1STG CONDENSER
28.25 x 28.25 x 33	1	EA	86207	4AC16L48P 16 SEER 4T 1STG CONDENSER
32.25 x 32.25 x 37	1	EA	86208	4AC16L59P 16 SEER 5T 1STG CONDENSER
32.25 x 32.25 x 37	1	EA	86209	4AC16L60P 16 SEER 5T 1STG CONDENSER

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All	1	EA	61692	34M72 LOW AMBIENT KIT
4AC16L18-60	1	EA	61702	45F08 T6-1469 COMPRESSOR LOW AMBIENT CUT-OFF
All	1	EA	86229	47J27 LB-50709BK OFF CONTROL-TIMED
All	1	EA	86920	93G35 FREEZE THERMOSTAT
4AC16L18-36	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4AC16L41-60	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE

4AC14L Series Condensing Units

14 SEER, Split-System, R-410A



Features

- Durable compressors with internal pressure relief valves and inherent thermal protection
- High-quality condenser coil with copper tubing and enhanced louvered fin for maximum heat transfer capacity
- Top discharge directs hot air and sound away from living area and shrubbery
- All units are factory run tested
- Available with louvered panel coil protection
- Easy access to electrical panels, pre-wired for easy hook-up to internal components
- 45-degree service valves for easy hook-up service
- Liquid line filter drier shipped loose
- UL and ULC approved and AHRI listed
- Charged for 15 feet of line set

Warranties*

- 10 year limited parts warranty
- 10 year limited compressor warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/ Hz/Phase	Voltage Range	Min. Circuit. Amp	Max. Overcurrent Device (Amps)	Compressor		Fan Motor			Refrig. Charge (Oz)	Weight (Lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM		
4AC14L18P	208-230/60/1	197-253	12.4	20	9.4	56.6	.7	1/10	1075	77	150
4AC14L24P	208-230/60/1	197-253	15.0	25	11.2	60.8	1.0	1/6	825	86	160
4AC14L30P	208-230/60/1	197-253	17.0	25	12.8	67.8	1.0	1/6	825	100	180
4AC14L36P	208-230/60/1	197-253	18.6	30	14.1	83	1.0	1/6	825	102	185
4AC14L42P	208-230/60/1	197-253	24.1	40	17.9	113	1.7	1/4	825	160	208
4AC14L47P	208-230/60/1	197-253	26.7	45	19.9	109	1.8	1/3	825	179	251
4AC14L48P	208-230/60/1	197-253	26.6	45	19.8	109	1.7	1/4	825	174	220
4AC14L59P	208-230/60/1	197-253	34.1	50	25.0	134	1.8	1/3	825	178	235
4AC14L60P	208-230/60/1	197-253	34.8	60	26.4	134	1.8	1/3	825	192	253

Condensing Units

Prices Available on Request

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
24.25 x 24.25 x 29	1	EA	84450	4AC14L18P 14 SEER 1.5T CONDENSER 51W80
28.25 x 28.25 x 29	1	EA	84640	4AC14L24P 14 SEER 2T CONDENSER 96W62
28.25 x 28.25 x 37	1	EA	84452	4AC14L30P 14 SEER 2.5T CONDENSER 51W82
28.25 x 28.25 x 37	1	EA	84453	4AC14L36P 14 SEER 3T CONDENSER 51W83
28.25 x 28.25 x 37	1	EA	84454	4AC14L42P 14 SEER 3.5T CONDENSER 51W84
28.25 x 28.25 x 37	1	EA	84330	4AC14L47 14 SEER 4T CONDENSER
28.25 x 28.25 x 33	1	EA	84641	4AC14L48P 14 SEER 4T CONDENSER 96W63
32.25 x 32.25 x 37	1	EA	84642	4AC14L59P 14 SEER 4T CONDENSER 51W87
32.25 x 32.25 x 37	1	EA	84456	4AC14L60P 14 SEER 5T CONDENSER 51W86

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4AC14L18-60	1	EA	61702	45F08 T6-1469 COMPRESSOR LOW AMBIENT CUT-OFF
4AC14L18-36	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4AC14L41-60	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE
All	1	EA	61692	34M72 LOW AMBIENT KIT
All	1	EA	86229	47J27 LB-50709BK OFF CONTROL-TIMED
All	1	EA	86920	93G35 FREEZE THERMOSTAT

4AC13L Series Condensing Units

13 SEER, Split-System, R-410A



Features

- High-quality condenser coil with copper tubing and enhanced louvered fin for maximum heat transfer capacity
- Top discharge directs hot air and sound away from living area and shrubbery
- All units are factory run tested
- Available with louvered panel coil protection
- Easy access to electrical panels
- Corner mounted service valves for easy hook-up service
- Liquid line filter drier shipped loose
- ETL and ETLC approved and AHRI certified.
- Charged for 15 feet of line set

Warranties*

- 10 year limited parts warranty
- 10 year limited compressor warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Overcurrent Device (Amps)	Compressor		Fan Motor			Service Valve Size	Weight (Lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM		
4AC13L18P	208-230/60/1	197-253	10.9	15	8.1	39	0.7	1/10	1010	5/8	136
4AC13L24P	208-230/60/1	197-253	14.1	20	10.7	53	0.7	1/10	1010	5/8	137
4AC13L30P	208-230/60/1	197-253	15.6	25	11.6	59	1.1	1/5	1090	3/4	147
4AC13L36P	208-230/60/1	197-253	20.1	35	15.2	70	1.1	1/5	1090	3/4	149
4AC13L42P	208-230/60/1	197-253	28.1	45	21.1	90	1.7	1/4	825	3/4	194
4AC13L48P	208-230/60/1	197-253	31.9	50	24.1	100	1.7	1/4	825	7/8	192
4AC13L60P	208-230/60/1	197-253	29.4	60	22.1	120	1.7	1/4	830	7/8	205

Condensing Units

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
25 x 24-1/4 x 24-1/4	1	EA	84627	4AC13L18P 1.5 TON 208/230/1 R410 CONDENSER
25 x 24-1/4 x 24-1/4	1	EA	84628	4AC13L24P 2 TON 208/230/1 R410 CONDENSER
29 x 24-1/4 x 24-1/4	1	EA	84262	4AC13L30P 2.5 TON 208/230/1 R410 CONDENSER
29 x 24-1/4 x 24-1/4	1	EA	84630	4AC13L36P 3 TON 208/230/1 R410 CONDENSER (51W69)
29 x 28-1/4 x 28-1/4	1	EA	84631	4AC13L42P 3.5 TON 208/230/1 R410 CONDENSER
33 x 28-1/4 x 28-1/4	1	EA	84632	4AC13L48P 4 TON 208/230/1 R410 CONDENSER (92W01)
29 x 28-1/4 x 28-1/4	1	EA	84633	4AC13L60P 5 TON 208/230/1 R410 CONDENSER (92W02)

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4AC13L18-60	1	EA	61692	34M72 LOW AMBIENT KIT
4AC13L18-36	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4AC13L42-60	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE
3/8" Tubing	1	EA	86920	93G35 FREEZE THERMOSTAT

Nitrogen Charged Condensing Units

13 SEER, Split System, 1 & 3 Phase



- Nitrogen charged for replacement of R-22 components only
- High-quality condenser coil with copper tubing and enhanced louvered fin for maximum heat transfer capacity
- Top discharge directs hot air away from living area and shrubbery
- All units factory run tested
- Available with wire guard coil protection
- Easy access to electrical panels
- Corner mounted service valves for easy hook-up and service
- All units UL and ULC approved
- 5-year limited warranty on compressor
- 5-year limited warranty on all parts

Cooling Performance with Evaporator Coils

Outdoor Model	Indoor Model Evaporator Coil	SEER	EER	Rated Capacity BTUH	Sensible Capacity BTUH	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
							Outdoor		Indoor		Suction	Liquid	Piston	TXV
							Suction	Liquid	Suction	Liquid				
13ACDL018	E(U,C,M,H)1P18A,B+TDR	13.0	11.0	17,700	13,600	600	3/4	3/8	3/4	3/8	3/4	3/8	0.055	A2TXV01
13ACDL024	E(U,C,M,H)1P24A,B+TDR	13.0	11.0	23,400	18,700	800	3/4	3/8	3/4	3/8	3/4	3/8	0.062	A2TXV01
13ACDL030	E(U,C,M,H)1P24A,B+TDR	13.0	11.0	28,000	21,300	900	3/4	3/8	3/4	3/8	3/4	3/8	0.067	A2TXV01
13ACDL036	E(U,C,M,H)1P36B,C+TDR	13.0	11.0	35,000	27,700	1200	7/8	3/8	3/4	3/8	7/8	3/8	0.076	A2TXV01
13ACDL042	E(U,C,M,H)1P43B,C+TDR	13.0	11.0	41,500	32,400	1400	7/8	3/8	7/8	3/8	7/8	3/8	0.080	A2TXV02
13ACDL048	E(U,C,M,H)1P50C+TDR	13.0	11.0	45,500	35,500	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.089	A2TXV02
13ACDL060	E(U,C,M,H)1P150C+TDR	13.0	11.0	58,000	44,100	1750	1-1/8	3/8	7/8	3/8	1-1/8	3/8	0.099	H2TXV03
2SCU13LC136T	E(U,C,M,H)1P36B,C	13.0	11.0	34,800	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	0.076	A2TXV01
2SCU13LC148T	E(U,C,M,H)1P50C	13.0	11.0	45,500	34,100	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.091	A2TXV02
2SCU13LC160T	E(U,C,M,H)1P49C	13.0	11.0	58,000	44,100	1800	7/8	3/8	7/8	3/8	1-1/8	3/8	0.099	H2TXV03

1 Phase Condensing Units

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
25 x 24-1/4 x 24-1/4	1	EA	84050	13ACDL018 1.5 TON NITROGEN CHARGED R22 LOUVERED CONDENSER 90W88
25 x 24-1/4 x 24-1/4	1	EA	84051	13ACDL024 2 TON NITROGEN CHARGED R22 LOUVERED CONDENSER 90W89
33 x 24-1/4 x 24-1/4	1	EA	84052	13ACDL030 2.5 TON NITROGEN CHARGED R22 LOUVERED CONDENSER 90W90
33 x 24-1/4 x 24-1/4	1	EA	84053	13ACDL036 3 TON NITROGEN CHARGED R22 LOUVERED CONDENSER 90W91
29 x 28-1/4 x 28-1/4	1	EA	84054	13ACDL042 3.5 TON NITROGEN CHARGED R22 LOUVERED CONDENSER 90W92
37 x 28-1/4 x 28-1/4	1	EA	84055	13ACDL048 4 TON NITROGEN CHARGED R22 LOUVERED CONDENSER 90W93
33 x 28-1/4 x 28-1/4	1	EA	84056	13ACDL060 5 TON NITROGEN CHARGED R22 LOUVERED CONDENSER 90W94

3 Phase Condensing Units

33-3/4 x 24-3/4 x 26-3/4	1	EA	84064	2SCU13LC136T 3T 208/230V 3PH NITROGEN R22 CONDENSER 1.332041
37-3/4 x 29-3/8 x 31-1/4	1	EA	84065	2SCU13LC148T 4T 208/230V 3PH NITROGEN R22 CONDENSER 1.332042
33-3/4 x 29-3/8 x 31-1/4	1	EA	84066	2SCU13LC160T 5T 208/230V 3PH NITROGEN R22 CONDENSER 1.332043

Accessories

For Models	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1-1/2, 2, 2-1/2 & 3 Ton Units	1	EA	61148	A2TXV01 R22 EXPANSION VALVE
3-1/2 & 4 Ton Units	1	EA	61151	A2TXV02 R22 EXPANSION VALVE
5 Ton Units	1	EA	61157	H2TXV03 R22 EXPANSION VALVE
All 13ACDL & 2SCU13	1	EA	61702	45F08 T6-1469 COMPRESSOR LOW AMBIENT CUT-OFF
All 13ACDL & 2SCU13	1	EA	67388	24H77 LOW AMBIENT KIT F/SCU13
3/8" Tubing	1	EA	86920	93G35 FREEZE THERMOSTAT

PCD Cased Coils—Aluminum

Upflow/Counterflow



- Antimicrobial additive inhibits growth of mold and mildew in drain pan.
- Patented HydroTEC™ low water retention drain pan.
- 5/8" foil-faced insulation for easy cleaning.
- Dual 3/4" FPT condensate drains on front-left and front-right side of drain pans.
- Copper refrigerant connections for easy brazing on both copper and aluminum slab models.
- Non-captive refrigerant lines with long stubs extend outside cabinet for easy installa
- Enhanced refrigerant pipe grommets are secure, tight, and easy to install.
- Interlocking doors reduce air leakaage and allow for easy access.
- 10-year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation.

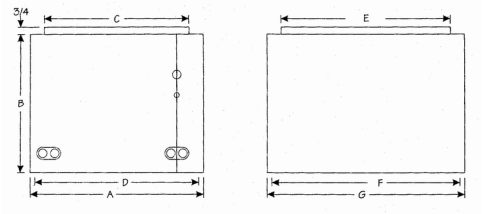
Model Number	Dimensions H x W x D (in)	Nominal Tonnage	Plenum Opening W x D (In)	Liquid Sweat (In)	Suction Sweat (In)	Piston	Weight (Lbs)
30APCD	16-1/2 x 14-1/2 x 21	18/30	13 x 19-1/2	3/8	3/4	59	32
30BPCD	16-1/2 x 17-1/2 x 21	18/30	16 x 19-1/2	3/8	3/4	59	32
30CPCD	16-1/2 X 21 X 21	18/30	19-1/2 x 19-1/2	3/8	3/4	59	32
36APCD	20-1/2 x 14-1/2 x 21	24/36	13 x 19-1/2	3/8	3/4	67	38
36BPCD	20-1/2 x 17-1/2 x 21	24/36	16 x 19-1/2	3/8	3/4	67	38
36CPCD	20-1/2 x 21 x 21	24/36	19-1/2 x 19-1/2	3/8	3/4	67	38
36DPCD	20-1/2 x 24-1/2 x 21	30/36	23 x 19-1/2	3/8	3/4	67	38
37BPCD	29-1/2 x 17-1/2 x 21	30/36	16 x 19-1/2	3/8	3/4	67	53
42BPCD	25-1/2 x 17-1/2 x 21	36/42	16 x 19-1/2	3/8	7/8	73	42
42CPCD	25-1/2 x 21 x 21	36/42	19-1/2 x 19-1/2	3/8	7/8	73	42
48BPCD	25-1/2 x 17-1/2 x 21	48	16 x 19-1/2	3/8	7/8	76	46
48CPCD	25-1/2 x 21 x 21	48	19-1/2 x 19-1/2	3/8	7/8	76	46
60CPCD	27-1/2 x 21 x 21	42/60	19-1/2 x 19-1/2	3/8	7/8	93	50
60DPCD	27-1/2 x 24-1/2 x 21	42/60	23 x 19-1/2	3/8	7/8	93	50
62CPCD	31-1/2 x 21 x 21	48/60	19-1/2 x 19-1/2	3/8	7/8	93	58
62DPCD	31-1/2 x 24-1/2 x 21	48/60	19-1/2 x 19-1/2	3/8	7/8	93	58

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
12	EA	83315	30APCD 14.5W X 21D X 16.5H DUCANE ALUMINUM CASED COIL
8	EA	83316	30BPCD 17.5W X 21D X 16.5H DUCANE ALUMINUM CASED COIL
8	EA	83317	30CPCD 21W X 21D X 16.5H DUCANE ALUMINUM CASED COIL
6	EA	83318	36APCD 14.5W X 21D X 20.5H DUCANE ALUMINUM CASED COIL
4	EA	83319	36BPCD 17.5W X 21D X 20.5H DUCANE ALUMINUM CASED COIL
4	EA	83320	36CPCD 21W X 21D X 20.5H DUCANE ALUMINUM CASED COIL
4	EA	83321	36DPCD 24.5W X 21D X 20.5H DUCANE ALUMINUM CASED COIL
4	EA	83322	37BPCD 17.5W 21D X 29.5H DUCANE ALUMINUM CASED COIL
4	EA	83323	42BPCD 17.5W X 21D X 25.5 DUCANE ALUMINUM CASED COIL
4	EA	83324	42CPCD 21W X 21D X 25.5H DUCANE ALUMINUM CASED COIL
4	EA	83325	48BPCD 17.5W X 21D X 25.5H DUCANE ALUMINUM CASED COIL
4	EA	83326	48CPCD 21W X 21D X 25.5H DUCANE ALUMINUM CASED COIL
4	EA	83327	60CPCD 21W X 21D X 27.5H DUCANE ALUMINUM CASED COIL
4	EA	83328	60DPCD 24.5W X 21D X 27.5H DUCANE ALUMINUM CASED COIL
4	EA	83329	62CPCD 21W X 21D X 31.5H DUCANE ALUMINUM CASED COIL
4	EA	83330	62DPCD 24.5W X 21D X 31.5H DUCANE ALUMINUM CASED COIL

EC1P Cased Evaporator Coils

Upflow and Counterflow



- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- Insulated galvanized steel coil case with durable embossed finish
- Interlocking door assemblies and snug line seal grommets to minimize air leakage
- External cabinet mounted distributor body designed for easy changing of orifice sizes and fast TXV connections
- Foil-face insulation for easy cleaning
- Two dual drain connections on front of coil for installation flexibility of drain lines around furnace vent and utility connections
- 10 year limited parts warranty with system registration

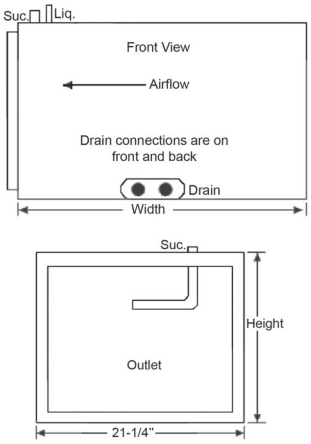
Model Number	A (In)	B (In)	C (In)	D (In)	E (In)	F (In)	G (In)	Orifice	Refrigerant Connections		Weight (Lbs)
									Liquid (In)	Vapor (In)	
EC1P23AL-1	14-1/2	18-1/2	13	13-1/2	18	20-1/2	21	.057	3/8	3/4	39
EC1P23BL-1	17-1/2	18-1/2	16	16-1/2	18	20-1/2	21	.057	3/8	3/4	41
EC1P24AL-1	14-1/2	20-1/2	13	13-1/2	18	20-1/2	21	.057	3/8	3/4	37
EC1P24BL-1	17-1/2	20-1/2	16	16-1/2	18	20-1/2	21	.062	3/8	3/4	40
EC1P29AL-1	14-1/2	25-1/2	13	13-1/2	18	20-1/2	21	.065	3/8	3/4	47
EC1P29BL-1	17-1/2	25-1/2	16	16-1/2	18	20-1/2	21	.065	3/8	3/4	49
EC1P30AL-1	14-1/2	24-1/2	13	13-1/2	18	20-1/2	21	.065	3/8	3/4	45
EC1P30BL-1	17-1/2	24-1/2	16	16-1/2	18	20-1/2	21	.065	3/8	3/4	46
EC1P30CL-1	21	24-1/2	19-1/2	20	18	20-1/2	21	.070	3/8	3/4	50
EC1P36AL-1	14-1/2	24-1/2	13	13-1/2	18	20-1/2	21	.073	3/8	3/4	49
EC1P36BL-1	17-1/2	24-1/2	16	16-1/2	18	20-1/2	21	.073	3/8	3/4	51
EC1P36CL-1	21	24-1/2	19-1/2	20	18	20-1/2	21	.073	3/8	3/4	55
EC1P36DL-1	24-1/2	24-1/2	23	23-1/2	18	20-1/2	21	.076	3/8	3/4	57
EC1P43BL-1	17-1/2	29-1/2	16	16-1/2	18	20-1/2	21	.076	3/8	7/8	60
EC1P43CL-1	21	29-1/2	19-1/2	20	18	20-1/2	21	.076	3/8	7/8	63
EC1P48BL-1	17-1/2	24-1/2	16	16-1/2	18	20-1/2	21	.082	3/8	7/8	52
EC1P48CL-1	21	24-1/2	19-1/2	20	18	20-1/2	21	.082	3/8	7/8	55
EC1P49CL-1	21	29-1/2	19-1/2	20	19	21-1/2	22	.093	3/8	7/8	72
EC1P50CL-1	21	27-1/2	19-1/2	20	18	20-1/2	21	.082	3/8	7/8	66
EC1P60DL-1	24-1/2	25-1/2	23	23-1/2	18	20-1/2	21	.093	3/8	7/8	66
EC1P62CL-1	21	31-1/2	19-1/2	20	19	21-1/2	22	.093	3/8	7/8	76
EC1P62DL-1	24-1/2	29-1/2	23	23-1/2	18	20-1/2	21	.093	3/8	7/8	77

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84601	EC1P23AL-1 14.5W X 21D X 18.5H DUCANE CASED COIL
1	EA	84602	EC1P23BL-1 17.5W X 21D X 18.5H DUCANE CASED COIL
1	EA	84603	EC1P24AL-1 14.5W X 21D X 20.5H DUCANE CASED COIL
1	EA	84604	EC1P24BL-1 17.5W X 21D X 20.5H DUCANE CASED COIL
1	EA	84605	EC1P29AL-1 14.5W X 21D X 25.5H DUCANE CASED COIL
1	EA	84606	EC1P29BL-1 17.5W X 21D X 25.5H DUCANE CASED COIL
1	EA	84607	EC1P30AL-1 14.5W X 21D X 24.5H DUCANE CASED COIL
1	EA	84608	EC1P30BL-1 17.5W X 21D X 24.5H DUCANE CASED COIL
1	EA	84609	EC1P30CL-1 21W X 21D X 24.5H DUCANE CASED COIL
1	EA	84610	EC1P36AL-1 14.5W X 21D X 24.5H DUCANE CASED COIL
1	EA	84611	EC1P36BL-1 17.5W X 21D X 24.5H DUCANE CASED COIL
1	EA	84612	EC1P36CL-1 21W X 21D X 24.5H DUCANE CASED COIL
1	EA	84613	EC1P36DL-1 24.5W X 21D X 24.5H DUCANE CASED COIL
1	EA	84614	EC1P43BL-1 17.5W X 21D X 29.5H DUCANE CASED COIL
1	EA	84615	EC1P43CL-1 21W X 21D X 29.5H DUCANE CASED COIL
1	EA	84616	EC1P48BL-1 17.5W X 21D X 24.5H DUCANE CASED COIL
1	EA	84617	EC1P48CL-1 21W X 21D X 24.5H DUCANE CASED COIL
1	EA	84618	EC1P49CL-1 21W X 22D X 29.5H DUCANE CASED COIL
1	EA	84619	EC1P50CL-1 21W X 21D X 27.5H DUCANE CASED COIL
1	EA	84620	EC1P60DL-1 24.5W X 21D X 25.5H DUCANE CASED COIL
1	EA	84621	EC1P62CL-1 21W X 22D X 31.5H DUCANE CASED COIL
1	EA	84622	EC1P62DL-1 24.5W X 21D X 29.5H DUCANE CASED COIL

EH1P Cased Coils

Horizontal



- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth.
- Drain pan has trough to fully drain condensate away.
- Insulated galvanized steel coil case with durable embossed finish.
- Top, front, and back panels are removable for easy service or coil cleaning.
- Dual condensate drains on front and back of coil allows flexibility of placement to accommodate left or right airflow furnaces.
- Foil faced insulation for easy cleaning.
- Refrigerant connections on top of coil for ease of installation in left or right airflow furnaces.
- 5 year limited warranty or 10 year warranty with system registration

Model Number	A (In.)	B (In.)	Supply C W (In.)	Supply D H (In.)	Return E W (In.)	Return F H (In.)	Orifice Size	Weight (Lbs)
EH1P23AM-1	14-1/2	26-1/2	19-3/4	13	20	13-1/2	.057	38
EH1P23BM-1	17-1/2	26-1/2	19-3/4	16	20	16-1/2	.057	50
EH1P29AM-1	14-1/2	31-1/2	19-3/4	13	20-1/4	13-1/2	.065	56
EH1P29BM-1	17-1/2	26-1/2	19-3/4	16	20	16-1/2	.065	45
EH1P36BM-1	17-1/2	26-1/2	19-3/4	16	20	16-1/2	.073	56
EH1P36CM-1	21	26-1/2	19-3/4	19-1/2	20	20	.073	64
EH1P43BM-1	17-1/2	31-1/2	19-3/4	16	20-1/4	16-1/2	.076	52
EH1P43CM-1	21	26-1/2	19-3/4	19-1/2	20	20	.076	56
EH1P49CM-1	21	31-1/2	19-3/4	19-1/2	20-1/4	20	.093	58
EH1P49DM-1	24-1/2	31-1/2	19-3/4	23	21-1/4	23-1/2	.093	66
EH1P62DM-1	24-1/2	31-1/2	23	19-3/4	23-1/2	20-1/4	.093	63

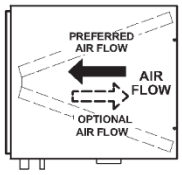
Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	67300	EH1P23AM-1 26.5W X 21.25D X 14.5H HORIZONTAL COIL
1	EA	67382	EH1P23BM-1 26.5W X 21.25D X 17.5H HORIZONTAL COIL
1	EA	67395	EH1P29AM-1 31.5W X 21.25D X 14.5H HORIZONTAL COIL
1	EA	67403	EH1P29BM-1 26.5W X 21.25D X 17.5H HORIZONTAL COIL
1	EA	67405	EH1P36BM-1 26.5W X 21.25D X 17.5H HORIZONTAL COIL
1	EA	67411	EH1P36CM-1 26.5W X 21.25D X 21H HORIZONTAL COIL
1	EA	67412	EH1P43BM-1 31.5W X 21.25D X 17.5H HORIZONTAL COIL
1	EA	67413	EH1P43CM-1 26.5W X 21.25D X 21H HORIZONTAL COIL
1	EA	67431	EH1P49CM-1 31.5W X 21.25D X 21H HORIZONTAL COIL
1	EA	67441	EH1P49DM-1 31.5W X 21.25D X 24.5H HORIZONTAL COIL
1	EA	67438	EH1P62DM-1 31.5W X 21.25D X 24.5H HORIZONTAL COIL

EAH1P Cased Coils—Aluminum

Horizontal





TOP VIEW

- Antimicrobial additive inhibits growth of mold and mildew in drain pan.
- Patented HydroTEC™ low water retention drain pan.
- Insulated galvanized steel coil case with durable embossed finish.
- Removable panels for easy service or coil cleaning.
- 5/8" foil-faced insulation for easy cleaning.
- Copper refrigerant connections for easy brazing.
- Non-captive refrigerant lines with long stubs extend outside cabinet for easy installation.
- Enhanced refrigerant pipe grommets are secure, tight, and easy to install.
- Interlocking doors reduce air leakaage and allow for easy access.
- 10-year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation.

Model Number	Dimensions H x W x D (In)	Supply* H x W (In)	Return* H x W (In)	Condensate Drain FPT (In)	Liquid Sweat (In)	Suction Sweat (In)	Weight (Lbs)
EAH1P24AG-50	14-1/2 x 26-1/2 x 21-1/2	13-3/8 x 20-3/8	13 x 20	3/4	3/8	3/4	45
EAH1P24BG-50	17-1/2 x26-1/2 x 21-1/2	16-3/8 x 20-3/8	16 x 20	3/4	3/8	3/4	49
EAH1P30AG-50	14-1/2 x 31-1/2 x 21-1/2	13-3/8 x 20-3/8	13 x 20	3/4	3/8	3/4	55
EAH1P30BG-50	17-1/2 x 26-1/2 x 21-1/2	16-3/8 x 20-3/8	16 x 20	3/4	3/8	3/4	53
EAH1P36AG-50	14-1/2 x 26-1/2 x 21-1/2	13-3/8 x 20-3/8	13 x 20	3/4	3/8	3/4	47
EAH1P36BG-50	17-1/2 x 26-1/2 x 21-1/2	16-3/8 x 20-3/8	16 x 20	3/4	3/8	3/4	48
EAH1P36CG-50	21 x 26-1/2 x 21-1/2	19-7/8 x 20-3/8	19-1/2 x 20	3/4	3/8	3/4	55
EAH1P42BG-50	17-1/2 x 31-1/2 x 21-1/2	16-3/8 x 20-3/8	16 x 20	3/4	3/8	7/8	66
EAH1P42CG-50	21 x 26-1/2 x 21-1/2	19-7/8 x 20-3/8	19-1/2 x 20	3/4	3/8	7/8	60
EAH1P48BG-50	17-1/2 x 31-1/2 x 21-1/2	16-3/8 x 20-3/8	16 x 20	3/4	3/8	7/8	60
EAH1P48CG-50	21 x 26-1/2 x 21-1/2	19-7/8 x 20-3/8	19-1/2 x 20	3/4	3/8	7/8	59
EAH1P51CG-50	21 x 31-1/2 x 21-1/2	19-7/8 x 20-3/8	19-1/2 x 20	3/4	3/8	7/8	69
EAH1P60DG-50	24-1/2 x 31-1/2 x 21-1/2	23-3/8 x 20-3/8	23 x 20	3/4	3/8	7/8	78

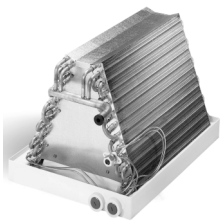
* Dimensions shown reflect right-hand airflow installation. Right-hand airflow requires field-fabricated 6 in. spacer in between the furnace and coil.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	83876	EAH1P24AG-50 26.5W X 21.5D X 14.5H HORIZONTAL ALUMINUM COIL
1	EA	83877	EAH1P24BG-50 26.5W X 21.5D X 17.5H HORIZONTAL ALUMINUM COIL
1	EA	83878	EAH1P30AG-50 31.5W X 21.5D X 14.5H HORIZONTAL ALUMINUM COIL
1	EA	83879	EAH1P30BG-50 26.5W X 21.5D X 17.5H HORIZONTAL ALUMINUM COIL
1	EA	83880	EAH1P36AG-50 26.5W X 21.5D X 14.5H HORIZONTAL ALUMINUM COIL
1	EA	83881	EAH1P36BG-50 26.5W X 21.5D X 17.5H HORIZONTAL ALUMINUM COIL
1	EA	83882	EAH1P36CG-50 26.5W X 21.5D X 21H HORIZONTAL ALUMINUM COIL
1	EA	83883	EAH1P42BG-50 31.5W X 21.5D X 17.5H HORIZONTAL ALUMINUM COIL
1	EA	83884	EAH1P42CG-50 26.5W X 21.5D X 21H HORIZONTAL ALUMINUM COIL
1	EA	83885	EAH1P48BG-50 31.5W X 21.5D X 17.5H HORIZONTAL ALUMINUM COIL
1	EA	83886	EAH1P48CG-50 26.5W X 21.5D X 21H HORIZONTAL ALUMINUM COIL
1	EA	83887	EAH1P51CG-50 31.5W X 21.5D X 21H HORIZONTAL ALUMINUM COIL
1	EA	83888	EAH1P60DG-50 31.5W X 21.5D X 24.5H HORIZONTAL ALUMINUM COIL

EAU1P Uncased Coils—Aluminum

Upflow and Counterflow



- Antimicrobial additive inhibits growth of mold and mildew in drain pan.
- Patented HydroTEC™ low water retention drain pan.
- Insulated galvanized steel coil case with durable embossed finish.
- Copper refrigerant connections for easy brazing.
- Orifice assembly designed for easy changing of orifice sizes and TXV connections.
- Single protruding right side dual drain port for easy installation and service.
- Non-captive refrigerant lines with long stubs for easy installation.
- Enhanced refrigerant pipe grommets are secure, tight, and easy to install.
- 10-year limited parts warranty available when installed with a complete system and system is registered online within 60 days of installation.

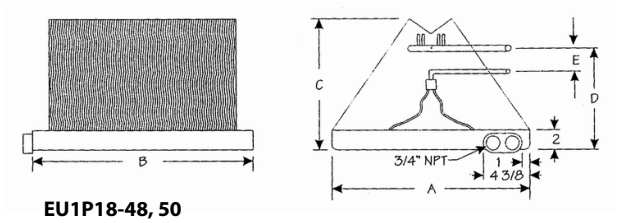
Model Number	Height (In)	Width (In)	Depth (In)	Return W x D (In)	Condensate Drain FPT (In)	Refrigerant Connections		Weight (Lbs)
						Liquid Sweat (In)	Vapor Sweat(In)	
EAU1P18/24A-50	14-1/8	13	19-1/2	9-1/4 x 16	3/4	3/8	3/4	18
EAU1P18/24B-50	14-1/8	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	3/4	20
EAU1P24A-50	16-3/8	13	19-1/2	9-1/4 x 16	3/4	3/8	3/4	23
EAU1P24B-50	16-3/8	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	3/4	24
EAU1P30A-50	20-3/4	13	19-1/2	9-1/4 x 16	3/4	3/8	3/4	31
EAU1P30B-50	20-3/4	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	3/4	32
EAU1P30/36A-50	22-1/4	13	19-1/2	9-1/4 x 16	3/4	3/8	3/4	26
EAU1P30/36B-50	22-1/4	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	3/4	27
EAU1P30/36C-50	22-1/4	20	19-1/2	16-1/4 x 16	3/4	3/8	3/4	29
EAU1P36A-50	22-3/8	13	19-1/2	11-3/4 x 16	3/4	3/8	3/4	31
EAU1P36B-50	22-3/8	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	3/4	33
EAU1P48B-50	26-1/4	15-1/2	19-1/2	11-3/4 x 16	3/4	3/8	7/8	43
EAU1P48C-50	26-1/4	20	19-1/2	16-1/4 x 16	3/4	3/8	7/8	44
EAU1P49C-50	28-1/2	21.5	19-1/2	15-3/4 x 16	3/4	3/8	7/8	53
EAU1P50/60C-50	25-7/8	20	19-1/2	16-1/4 x 16	3/4	3/8	7/8	40
EAU1P60C-50	30-5/8	19-1/2	19-1/2	15-3/4 x 16	3/4	3/8	7/8	58
EAU1P60D-50	28	19-1/2	19-1/2	14-1/4 x 19	3/4	3/8	7/8	48

Prices Available on Request

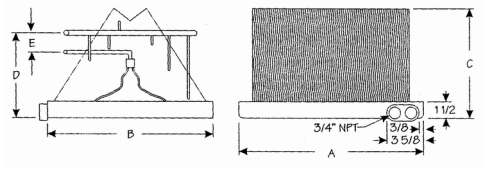
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	83940	EAU1P18/24A-50 13W X 19.5D X 14.125H UNCASED COIL
1	EA	83941	EAU1P18/24B-50 15.5W X 19.5D X 14.125H UNCASED COIL
1	EA	83942	EAU1P24A-50 13W X 19.5D X 16.375H UNCASED COIL
1	EA	83943	EAU1P24B-50 15.5W X 19.5D X 16.375H UNCASED COIL
1	EA	83944	EAU1P30A-50 13W X 19.5D X 22.25H UNCASED COIL
1	EA	83945	EAU1P30B-50 15.5W X 19.5D X 20.75H UNCASED COIL
1	EA	83946	EAU1P30/36A-50 13W X 19.5D X 22.25H UNCASED COIL
1	EA	83947	EAU1P30/36B-50 15.5W X 19.5D X 22.25H UNCASED COIL
1	EA	83948	EAU1P30/36C-50 20W X 19.5D X 22.25H UNCASED COIL
1	EA	83949	EAU1P36A-50 13W X 19.5D X 22.375H UNCASED COIL
1	EA	83950	EAU1P36B-50 15.5W X 19.5D X 22.375H UNCASED COIL
1	EA	83951	EAU1P48B-50 15.5W X 19.5D X 26.25H UNCASED COIL
1	EA	83952	EAU1P48C-50 20W X 19.5D X 26.25H UNCASED COIL
1	EA	83953	EAU1P49C-50 19.5W X 21.5D X 28.5H UNCASED COIL
1	EA	83954	EAU1P50/60C-50 20W X 19.5D X 25.875H UNCASED COIL
1	EA	83955	EAU1P60C-50 19.5W X 19.5D X 30.625H UNCASED COIL
1	EA	83956	EAU1P60D-50 23W X 19.5D X 28H UNCASED COIL

EU1P Uncased Coils

Upflow and Counterflow



EU1P18-48, 50



EU1P49, 60, 62

- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- One of the lowest water retention drain pans in the industry to minimize mold and mildew growth
- Two dual drain connections on front of coil for installation flexibility of drain lines around furnace vent and utility connections
- Orifice assembly designed for easy changing of orifice sizes and fast TXV connections
- 5 year limited warranty or 10 year warranty with system registration
- Extended warranty available

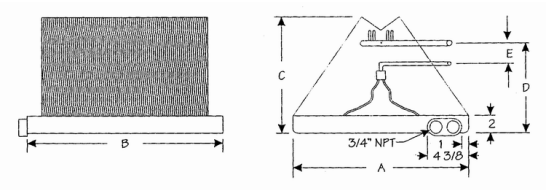
Evaporator	A (In.)	B (In.)	C (In.)	D (In.)	E (In.)	Orifice	Refrigerant Connections		Weight (Lbs.)
							Liquid O.D. (In.)	Vapor O.D. (In.)	
EU1P23AN-1	13	19-1/2	17-3/16	12-1/2	4-1/2	.057	3/8	3/4	22
EU1P24AN-1	13	19-1/2	19-3/16	14-1/2	6	.057	3/8	3/4	22
EU1P24BN-1	15-1/2	19-1/2	18-3/4	14-1/2	6	.057	3/8	3/4	23
EU1P29AN-1	13	19-1/2	21-1/4	17-1/3	6-1/2	.065	3/8	3/4	24
EU1P29BN-1	15-1/2	19-1/2	21-1/4	17-1/4	6-1/2	.065	3/8	3/4	25
EU1P30AN-1	13	19-1/2	23-1/4	17-1/3	6-1/2	.065	3/8	3/4	26
EU1P30BN-1	15-1/2	19-1/2	23	17-1/3	6-1/2	.065	3/8	3/4	27
EU1P30CN-1	20	19-1/2	22-1/4	17-1/3	6-1/2	.065	3/8	3/4	29
EU1P36AN-1	13	19-1/2	23-3/8	17-1/3	6-1/2	.073	3/8	3/4	31
EU1P36BN-1	15-1/2	19-1/2	23-1/8	17-1/3	6-1/2	.073	3/8	3/4	33
EU1P36CN-1	20	19-1/2	22-1/2	17-1/3	4-1/2	.073	3/8	3/4	34
EU1P43BN-1	15-1/2	19-1/2	27-1/4	23-1/3	5-1/2	.076	3/8	7/8	43
EU1P43CN-1	20	19-1/2	26-3/4	23-1/3	5-1/2	.076	3/8	7/8	44
EU1P48BN-1	15-1/2	19-1/2	23-1/8	9-1/2	4-1/2	.082	3/8	7/8	33
EU1P48CN-1	20	19-1/2	22-1/2	9-1/2	4-1/2	.082	3/8	7/8	35
EU1P49CN-1	19-1/2	21-1/2	28-5/8	15	*3	.093	3/8	7/8	53
EU1P60DN-1	23	19-1/2	24	11-3/8	*3	.093	3/8	7/8	42
EU1P62CN-1	19-1/2	21-1/2	30-5/8	18-1/8	*3	.093	3/8	7/8	58
EU1P62DN-1	19-1/2	19-1/2	28-1/8	18-1/4	4-5/8	.093	3/8	7/8	48

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	60783	EU1P23AN-1 13W X 19.5D X 17.2H UNCASED COIL
1	EA	60467	EU1P24AN-1 13W X 19.5D X 19.2H UNCASED COIL
1	EA	60538	EU1P24BN-1 15.5W X 19.5D X 18.75H UNCASED COIL
1	EA	60825	EU1P29AN-1 13W X 19.5D X 21.25H UNCASED COIL
1	EA	60468	EU1P30AN-1 13W X 19.5D X 23.25H UNCASED COIL
1	EA	60557	EU1P30BN-1 15.5W X 19.5D X 23H UNCASED COIL
1	EA	60579	EU1P30CN-1 20W X 19.5D X 22.25H UNCASED COIL
1	EA	60481	EU1P36AN-1 13W X 19.5D X 23.4H UNCASED COIL
1	EA	60483	EU1P36BN-1 15.5W X 19.5D X 23.13H UNCASED COIL
1	EA	60598	EU1P36CN-1 20W X 19.5D X 22.5H UNCASED COIL
1	EA	60828	EU1P43BN-1 15.5W X 19.5D X 27.25H UNCASED COIL
1	EA	60827	EU1P43CN-1 20W X 19.5D X 26.75H UNCASED COIL
1	EA	60490	EU1P48BN-1 15.5W X 19.5D X 23.2H UNCASED COIL
1	EA	60837	EU1P48CN-1 20W X 19.5D X 22.5H UNCASED COIL
1	EA	60841	EU1P49CN-1 19.5W X 21.5D X 28.6H UNCASED COIL
1	EA	60843	EU1P60DN-1 23W X 19.5D X 24H UNCASED COIL
1	EA	60493	EU1P62CN-1 19.5W X 21.5D X 30.2H UNCASED COIL
1	EA	60518	EU1P62DN-1 23W X 19.5D X 28.2H UNCASED COIL

EUL1P Uncased Low Profile Coils

Upflow and Counterflow



- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- One of the lowest water retention drain pans in the industry to minimize mold and mildew growth
- Two dual drain connections on front of coil for installation flexibility of drain lines around furnace vent and utility connections
- Orifice assembly designed for easy changing of orifice sizes and fast TXV connections
- 10 year limited parts warranty available when applied with a system

Model Number	A (In.)	B (In.)	C (In.)	D (In.)	E (In.)	Orifice	Refrigerant Connections		Weight (Lbs.)
							Liquid (In.)	Vapor (In.)	
EUL1P30AN	13	19-1/2	13	9-1/2	4	.065	3/4	3/8	20
EUL1P30BN	15-1/2	19-1/2	13	9-1/2	4	.065	3/4	3/8	21
EUL1P36BN	15-1/2	19-1/2	17	12	6	.076	3/4	3/8	26
EUL1P36ZN	17	19-1/2	17	12-1/2	6	.076	3/4	3/8	27

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85090	EUL1P30A 13W X 19.5D X 13H AC ONLY UNCASED COIL
1	EA	85091	EUL1P30B 15.5W X 19.5D X 13H AC ONLY UNCASED COIL
1	EA	85092	EUL1P36B 15.5W X 19.5D X 17H AC ONLY UNCASED COIL
1	EA	85093	EUL1P36Z 17W X 19.5D X 17H AC ONLY UNCASED COIL

HE Series Uncased Coils

Upflow or Downflow



- "No Hassle" 5-year warranty.
- Coils are pressure tested at 500 PSI, leak tested with helium, sealed with rubber plugs, then charged with dry air.
- Piston options include externally accessible body for easy piston change out and/or TXV installation.
- Liquid line refrigerant connections are 3/8" ODF.
- Suction line refrigerant connections are 3/4" ODF.
- Copper refrigerant connections for easy brazing.
- Upflow or downflow capable.
- Dual 3/4" FPT condensate drains on front-left and front-right side of drain pans.
- UV resistant drain pans are molded of high temperature (450° F) engineered polymer.
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.
- HydroTEC™ low water retention drain plan.
- TXV not included.

AHRI Specifications

AHRI Number	OEM Name	Outdoor Model	Indoor Model	Metering Device	Seer	EER95F	Capacity
5749424	ARMSTRONG	4SCU13**148T	H,A,DE35(1,2)48	Orifice	13.00	11.00	47000
5749429	ARMSTRONG	4SCU13**160T	H,A,DE37(1,2)60	Orifice	13.00	10.50	56500
7984658	ARMSTRONG	4SCU13LB136P-3	H,A,DE33(1,2)36	Orifice	13.00	10.00	33200
6462155	ARMSTRONG	4SCU13LE118P-5	H,A,DE31(1,2)30	Orifice	13.00	11.00	17300
6323386	ARMSTRONG	4SCU13LE124P-5	H,A,DE30(1,2)24	Orifice	13.00	11.00	22600
6462158	ARMSTRONG	4SCU13LE124P-5	H,A,DE31(1,2)30	Orifice	13.00	11.00	22800
6462161	ARMSTRONG	4SCU13LE130P-5	H,A,DE31(1,2)30	Orifice	13.00	10.50	28000
6462164	ARMSTRONG	4SCU13LE136P-5	H,A,DE33(1,2)36	Orifice	13.00	10.00	33200
6956159	ARMSTRONG	4SCU13LE142P-5	H,A,DE34(1,2)42	Orifice	13.00	10.00	39000
6956209	ARMSTRONG	4SCU13LE160P-5	H,A,DE37(1,2)60	Orifice	13.00	10.00	55500
5685327	DUCANE	4AC13*18P-7, 8	H,A,DE31(1,2)30	Orifice	13.00	11.00	17300
5685328	DUCANE	4AC13*24P-7, 8	H,A,DE31(1,2)30	Orifice	13.00	11.00	22800
7570992	DUCANE	4AC13*30P-7, 8	H,A,DE31(1,2)30	Orifice	13.00	11.00	28000
5696600	DUCANE	4AC13*36P-7, 8	H,A,DE32(1,2)36	Orifice	13.00	11.00	34000
5598586	DUCANE	4AC13*36P-7, 8	H,A,DE33(1,2)36	Orifice	13.00	11.00	34000
5598595	DUCANE	4AC13*60P-7, 8	H,A,DE37(1,2)60	Orifice	13.00	10.50	55500

Prices Available on Request

Dimensions H x W x D (In)	Piston R-22	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
11 x 13 x 19-1/2	59	18	EA	83997	HE30224A130A0000 AP 13W X 19.5D X 11H UNCASED A-COIL
13 x 13 x 19-1/2	67	18	EA	83990	HE31230A130A0000 AP 13W X 19.5D X 13H UNCASED A-COIL
13 x 15-1/2 x 19-1/2	67	18	EA	83991	HE31230A155A0000 AP 15.5W X 19.5D X 13H UNCASED A-COIL
17 x 15-1/2 x 19-1/2	73	12	EA	83992	HE33236A155A0000 AP 15.5W X 19.5D X 17H UNCASED A-COIL
17 x 17 x 19-1/2	73	8	EA	83993	HE33236A170A0000 AP 17W X 19.5D X 17H UNCASED A-COIL
19 x 20 x 19-1/2	80	8	EA	83994	HE34242A200A0000 AP 20W X 19.5D X 19H UNCASED A-COIL
21 x 20 x 19-1/2	84	4	EA	83995	HE35248A200A0000 AP 20W X 19.5D X 21H UNCASED A-COIL
25 x 20 x 19-1/2	93	4	EA	83996	HE37260A200A0000 AP 20W X 19.5D X 25H UNCASED A-COIL

4HP18LT Series Heat Pumps

18 SEER, Split-System, R-410A



Compressor

- High-efficiency 2-stage Copeland UltraTech™ scroll compressor
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation

Cabinet

- Full metal louvered panels remove with just two screws per panel for easy coil cleaning and service
- Controls located in corner post for easy installation and service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grille
- External gauge ports for easy service

Components

- Bi-flow filter drier factory installed for system protection
- Service valves positioned for quick installation and easy service
- Variable speed condenser fan motor with swept-wing fan blade
- High and low pressure switches factory installed
- ComfortAlert 2™ diagnostics displaying up to nine fault codes, is factory installed
- Factory installed crank case heater
- QuietShift™ technology during defrost cycle, to control sound
- Charged for 15 ft. of line set

Coils

- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Warranties*

- 10 year limited parts warranty
- 10 year limited compressor warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/ Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Overcurrent Device (Amps)	Compressor		Fan Motor			Refrig. Line Conn.		Refrig. Charge (Oz)	Weight (Lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM	Liquid O.D. (In)	Vapor O.D. (In)		
4HP18LT24P	230/60/1	216-253	15.6	25	10.2	52	.7	1/3	825	3/8	7/8	300	341
4HP18LT36P	230/60/1	216-253	23.7	40	16.6	82	.6	1/3	825	3/8	7/8	283	338
4HP18LT48P	230/60/1	216-253	29.3	50	21.1	96	.8	1/3	825	3/8	7/8	262	338
4HP18LT60P	230/60/1	216-253	34.4	60	25.6	118	.8	1/3	825	3/8	7/8	274	361

Heat Pumps

Prices Available on Request

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
44 x 37-2/3 x 35-2/3	1	EA	84481	4HP18LT24P 18 SEER 2T HEAT PUMP
44 x 37-2/3 x 35-2/3	1	EA	84482	4HP18LT36P 18 SEER 3T HEAT PUMP
44 x 37-2/3 x 35-2/3	1	EA	84483	4HP18LT48P 18 SEER 4T HEAT PUMP
44 x 37-2/3 x 35-2/3	1	EA	84484	4HP18LT60P 18 SEER 5T HEAT PUMP

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All 4HP18 Models	1	EA	61702	45F08 T6-1469 COMPRESSOR LOW AMBIENT CUT-OFF
4HP18LT24-36	1	EA	67837	H4TXV01-1 R-410A EXPANSION VALVE
4HP18LT48-60	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE
All	1	EA	86920	93G35 FREEZE THERMOSTAT
All	1	EA	84871	85W66 608261-01 BLOWER RELAY KIT

4HP16LT Series Heat Pumps

16 SEER, Split-System, R-410A



Compressor

- High-efficiency 2-stage Copeland UltraTech™ scroll compressor
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation

Cabinet

- Full metal louvered panel coil guard protection
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grille
- External gauge ports for easy service
- Raised base pan with ports allows for excellent water and debris drainage

Coils

- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Components

- Full metal louvered panels remove for easy coil cleaning and service
- Bi-directional filter drier for long-lasting durability and system protection
- Discharge muffler for quiet operation
- High and low pressure switches factory installed
- Factory installed crank case heater
- Advanced design defrost system featuring a smart logic for power consumption savings
- Service valves positioned for quick installation and easy service
- ComfortAlert 2™ diagnostics factory installed
- Reliable, solid state defrost control
- Defrost control is QuietShift™ capable
- Charged for 15 ft. of line set

Warranties*

- 10 year limited parts warranty
- 10 year limited compressor warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Overcurrent Device (Amps)	Compressor		Fan Motor			Refrig. Charge (Oz)	Weight (Lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM		
4HP16LT24P	208-230/60/1	197-253	13.5	20	11.4	52	0.7	1/10	1075	146	207
4HP16LT36P	208-230/60/1	197-253	22.5	35	19.0	82	1.7	1/4	825	192	253
4HP16LT48P	208-230/60/1	197-253	28.2	45	24.0	96	1.8	1/3	825	236	288
4HP16LT60P	208-230/60/1	197-253	35.1	60	26.0	118	2.8	1/3	ECM	244	313

Heat Pumps

Prices Available on Request

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33-3/4 x 24-3/4 x 26-3/4	1	EA	84477	4HP16LT24P 16 SEER 2T HEAT PUMP
37-3/4 x 29-3/8 x 31-1/4	1	EA	84478	4HP16LT36P 16 SEER 3T HEAT PUMP
37-3/4 x 35-3/4 x 37-3/4	1	EA	84479	4HP16LT48P 16 SEER 4T HEAT PUMP
43-3/4 x 35-3/4 x 37-3/4	1	EA	84480	4HP16LT60P 16 SEER 5T HEAT PUMP

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All 4HP16 Models	1	EA	61702	45F08 T6-1469 COMPRESSOR LOW AMBIENT CUT-OFF
4HP16LT24-36	1	EA	67837	H4TXV01-1 R-410A EXPANSION VALVE
4HP16LT48	1	EA	67838	H4TXV02-1 R-410A EXPANSION VALVE
4HP16LT60	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE
All	1	EA	86920	93G35 FREEZE THERMOSTAT
All	1	EA	60848	AFOSL500-1 FOSSIL FUEL KIT

4HP14L Series Heat Pumps

14 SEER, Split-System, R-410A



Features

- High-quality condenser coil with copper tubing and enhanced louvered fin for maximum heat transfer capacity
- Top discharge directs hot air and sound away from living area and shrubbery
- All units factory run tested
- Available with louvered panel coil protection
- Easy access to electrical panels, pre-wired for easy hook-up
- Bi-directional liquid line filter drier factory installed
- Discharge muffler for quiet operation
- Reliable, solid state defrost control
- Defrost control is QuietShift™ capable
- Low pressure switch factory installed for loss of charge protection
- Integrated control with LED diagnostics
- Short cycle protection factory installed
- UL and ULC approved and AHRI listed
- Charged for 15 feet of line set

Warranties*

- 10 year limited parts warranty
- 10 year limited compressor warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/ Hz/Phase	Voltage Range	Min. Circuit Amp.	Max. Overcurrent Device (Amps)	Compressor		Fan Motor			Refrig. Charge (Oz)	Weight (Lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM		
4HP14L18P	208-230/60/1	197-253	11.9	20	9.0	48	0.7	1/10	1075	132	164
4HP14L24P	208-230/60/1	197-253	17.5	30	13.5	58	0.7	1/10	1075	128	163
4HP14L30P	208-230/60/1	197-253	17.0	30	13.1	64	0.7	1/10	1075	114	176
4HP14L36P	208-230/60/1	197-253	19.4	30	14.1	77	1.8	1/3	825	156	221
4HP14L42P	208-230/60/1	197-253	24.2	40	17.9	112	1.8	1/3	825	199	272
4HP14L48P	208-230/60/1	197-253	29.0	50	21.8	117	1.8	1/3	825	202	277
4HP14L60P	208-230/60/1	197-253	34.8	60	26.4	134	1.8	1/3	825	256	297

Heat Pumps

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
28-1/2 x 24-1/4 x 24-1/4	1	EA	84470	4HP14L18P 14 SEER 1.5T HEAT PUMP
28-1/2 x 24-1/4 x 24-1/4	1	EA	84471	4HP14L24P 14 SEER 2T HEAT PUMP
32-1/2 x 24-1/4 x 24-1/4	1	EA	84472	4HP14L30P 14 SEER 2.5T HEAT PUMP
28-1/2 x 32-1/4 x 32-1/4	1	EA	84473	4HP14L36P 14 SEER 3T HEAT PUMP
36-1/2 x 32-1/4 x 32-1/4	1	EA	84474	4HP14L42P 14 SEER 3.5T HEAT PUMP
36-1/2 x 32-1/4 x 32-1/4	1	EA	84475	4HP14L48P 14 SEER 4T HEAT PUMP
42-1/2 x 32-1/4 x 32-1/4	1	EA	84476	4HP14L60P 14 SEER 5T HEAT PUMP

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All 4HP14 Models	1	EA	61702	45F08 T6-1469 LOW AMBIENT KIT
4HP14LT18-36	1	EA	67837	H4TXV01-1 R-410A EXPANSION VALVE
4HP14LT42-60	1	EA	67838	H4TXV02-1 R-410A EXPANSION VALVE

4HP13 Series Heat Pumps

13 SEER, Split-System, R-410A



Features

- High-quality condenser coil with copper tubing and enhanced louvered fin for maximum heat transfer capacity
- Top discharge directs hot air and sound away from living area and shrubbery
- All units factory run tested
- Louvered panel coil guard
- Easy access to electrical panels; pre-wired for easy hook-up
- Bi-directional liquid line filter drier factory installed
- Discharge muffler for quiet operation
- Reliable, solid state time/temperature defrost control, with field selectable 30/60/90 minute intervals
- Defrost control is QuietShift™ capable
- Low pressure switch factory installed for loss of charge protection
- Integrated control with LED diagnostics
- Short cycle protection factory installed
- UL and ULC approved and AHRI listed
- Charged for 15 feet of line set

Warranties*

- 10 year limited parts warranty
- 10 year limited compressor warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Overcurrent Device (Amps)	Compressor		Fan Motor			Refrig. Charge (oz.)	Weight (lbs.)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM		
4HP13L18P	208-230/60/1	197-253	11.9	20	9.0	48	0.7	1/10	1075	106	153
4HP13L24P	208-230/60/1	197-253	14.2	20	10.7	53	0.8	1/10	1075	101	158
4HP13L30P	208-230/60/1	197-253	16.3	25	12.4	59	0.7	1/6	825	108	168
4HP13L36P	208-230/60/1	197-253	19.9	35	15.2	70	0.9	1/6	825	114	187
4HP13L42P	208-230/60/1	197-253	27.8	45	21.1	90	1.4	1/4	825	134	224
4HP13L48P	208-230/60/1	197-253	31.7	50	24.1	100	1.5	1/4	825	198	236
4HP13L60P	208-230/60/1	197-253	36.3	60	27.6	120	1.7	1/3	825	210	252

Heat Pumps

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
32-1/2 x 24-1/4 x 24-1/4	1	EA	84267	4HP13L18P 1.5 TON 208/230/1 R410 HEAT PUMP
32-1/2 x 24-1/4 x 24-1/4	1	EA	84268	4HP13L24P 2 TON 208/230/1 R410 HEAT PUMP
28-1/2 x 28-1/4 x 28-1/4	1	EA	84269	4HP13L30P 2.5 TON 208/230/1 R410 HEAT PUMP
36-1/2 x 28-1/4 x 28-1/4	1	EA	84270	4HP13L36P 3 TON 208/230/1 R410 HEAT PUMP
42-1/2 x 28-1/4 x 28-1/4	1	EA	84271	4HP13L42P 3.5 TON 208/230/1 R410 HEAT PUMP
32-1/2 x 28-1/4 x 28-1/4	1	EA	84272	4HP13L48P 4 TON 208/230/1 R410 HEAT PUMP
36-1/2 x 28-1/4 x 28-1/4	1	EA	84273	4HP13L60P 5 TON 208/230/1 R410 HEAT PUMP

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	61702	45F08 T6-1469 LOW AMBIENT KIT
1	EA	67837	H4TXV01-1 R-410A EXPANSION VALVE
1	EA	67838	H4TXV02-1 R-410A EXPANSION VALVE

4HP13 Heat Pump Performance Ratings

Outdoor Model	Indoor Model Evap. Coil or Air Handler [3]	Furnace	Cooling				Heating					CFM	Refrig. Connection		Refrig Line Size [4]	Indoor Expansion Valve [2]	
			SEER	EER	AHRI Rated Cap. [1]	Sens. Cap.	HSPF	47°		17°			Out-door	In-door			
								Btuh	COP	Btuh	COP		Suct.	Suct.	Suct.	Piston	TXV
4HP13*18P-7	BCS2M18C****P		13.0	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	BCS2M24V****P		14.0	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	BCS3M18C****P		13.0	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18A	A80DF1E045A12	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24A	A80DF1E045A12	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18B	A80DF1E070B12	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24B	A80DF1E070B12	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18A	A80UH1E045A12*	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24A	A80UH1E045A12*	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18B	A80UH1E070B12*	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24B	A80UH1E070B12*	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18A	A80UH2V070A12*	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24A	A80UH2V070A12*	14.0	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18B	A80UH2V090B16*	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24B	A80UH2V090B16*	14.0	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18B	A95DF1E045B12S	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24B	A95DF1E045B12S	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18B	A95DF2V045B12S	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24B	A95DF2V045B12S	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18B	A95DF2V070B16S	14.0	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24B	A95DF2V070B16S	14.0	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18B	A95UH1E045B12S	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24B	A95UH1E045B12S	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18B	A95UH1E070B12S	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24B	A95UH1E070B12S	13.5	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18B	A95UH2V045B12S	14.0	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24B	A95UH2V045B12S	14.0	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P18B	A95UH2V070B12S	14.0	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
	E(C,H,M,U)1P24B	A95UH2V070B12S	14.0	11.0	18,000	12,780	7.7	17,000	3.2	10,000	2.00	650	3/4	3/4	3/4	NA	H4TXV01
4HP13*24P-7	BCS2M24C****P		13.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	BCS2M24V****P		13.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	BCS3M24C****P		13.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23A	A80DF1E045A12	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24A	A80DF1E045A12	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23B	A80DF1E070B12	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24B	A80DF1E070B12	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23A	A80UH1E045A12*	13.5	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24A	A80UH1E045A12*	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23B	A80UH1E070B12*	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24B	A80UH1E070B12*	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23A	A80UH2V070A12*	14.0	11.0	23,000	16,790	7.7	21,400	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24A	A80UH2V070A12*	14.0	11.0	23,000	16,790	7.7	21,200	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23B	A80UH2V090B16*	13.5	11.0	23,000	16,790	7.7	21,400	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24B	A80UH2V090B16*	13.5	11.0	23,000	16,790	7.7	21,400	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23B	A95DF1E045B12S	13.5	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24B	A95DF1E045B12S	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23B	A95DF2V045B12S	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24B	A95DF2V045B12S	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23B	A95DF2V070B16S	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24B	A95DF2V070B16S	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23B	A95UH1E045B12S	13.5	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24B	A95UH1E045B12S	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23B	A95UH1E070B12S	13.5	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24B	A95UH1E070B12S	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23B	A95UH2V045B12S	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24B	A95UH2V045B12S	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P23B	A95UH2V070B12S	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
	E(C,H,M,U)1P24B	A95UH2V070B12S	14.0	11.0	23,000	16,790	7.7	21,600	3.3	13,000	2.20	850	3/4	3/4	3/4	.057	H4TXV01
4HP13*30P-7	BCS2M30C****P		13.0	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	7/8	3/4	.062	H4TXV01
	BCS2M36V****P		14.0	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	7/8	3/4	.062	H4TXV01
	BCS3M30C****P		13.0	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	7/8	3/4	.062	H4TXV01

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Outdoor Model	Indoor Model Evap. Coil or Air Handler [3]	Furnace	Cooling				Heating					CFM	Refrig. Connection		Refrig Line Size [4]	Indoor Expansion Valve [2]	
			SEER	EER	AHRI Rated Cap. [1]	Sens. Cap.	HSPF	47°		17°			Out-door Suct.	In-door Suct.	Suct.	Piston	TXV
								Btuh	COP	Btuh	COP						
4HP13*30P-7 (Continued)	E(C,H,M,U)1P29A	A80DF1E045A12	13.5	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A80DF1E070B12	14.0	11.0	29,000	21,460	7.7	26,800	3.4	16,800	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A80DF1E090B16	14.0	11.0	29,000	21,460	7.7	26,800	3.4	16,800	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29A	A80UH1E045A12*	14.0	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A80UH1E070B12*	14.0	11.0	29,000	21,460	7.7	26,800	3.4	16,800	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A80UH1E090B16*	14.0	11.0	29,000	21,460	7.7	26,800	3.4	16,800	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29A	A80UH2V070A12*	13.5	11.0	29,000	21,460	7.7	27,000	3.4	16,800	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A80UH2V090B16*	13.5	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A95DF1E045B12S	13.5	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A95DF1E070B16S	14.0	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A95DF2V045B12S	14.0	11.0	29,000	21,460	7.7	27,000	3.4	16,800	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A95DF2V070B16S	13.5	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A95UH1E045B12S	13.5	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A95UH1E070B12S	13.5	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A95UH2V045B12S	13.5	11.0	29,000	21,460	7.7	27,000	3.4	17,000	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
	E(C,H,M,U)1P29B	A95UH2V070B12S	14.0	11.0	29,000	21,460	7.7	27,000	3.4	16,800	2.20	1,000	3/4	3/4	3/4	.062	H4TXV01
4HP13*36P-7	BCS2M36C****P		13.0	11.0	35,000	25,200	7.7	33,800	3.4	18,000	2.20	1,275	3/4	7/8	3/4	.071	H4TXV01
	BCS2M36V****P		14.0	11.0	35,000	25,200	7.7	33,800	3.4	18,000	2.20	1,275	3/4	7/8	3/4	.071	H4TXV01
	BCS3M36C****P		13.0	11.0	35,000	25,200	7.7	33,800	3.4	18,000	2.20	1,275	3/4	7/8	3/4	.071	H4TXV01
	E(C,H,M,U)1P30A	A80DF1E045A12	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36A	A80DF1E045A12	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30B	A80DF1E070B12	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36B	A80DF1E070B12	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30B	A80DF1E090B16	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36B	A80DF1E090B16	13.5	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A80DF1E110C20	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A80DF1E110C20	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30B	A80UH1E070B12*	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36B	A80UH1E070B12*	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30B	A80UH1E090B16*	14.0	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36B	A80UH1E090B16*	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A80UH1E090C20*	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A80UH1E090C20*	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A80UH1E110C20*	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A80UH1E110C20*	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30B	A80UH2V090B16*	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36B	A80UH2V090B16*	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A80UH2V110C20*	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A80UH2V110C20*	14.0	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36B	A95DF1E070B16S	13.5	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A95DF1E090C16S	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A95DF1E090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A95DF1E110C20S	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A95DF1E110C20S	13.5	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30B	A95DF2V045B12S	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36B	A95DF2V045B12S	13.5	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30B	A95DF2V070B16S	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36B	A95DF2V070B16S	13.5	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A95DF2V090C20S	14.0	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A95DF2V090C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A95DF2V110C20S	14.0	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A95DF2V110C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A95UH1E090C16S	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A95UH1E090C16S	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A95UH1E110C20S	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A95UH1E110C20S	13.5	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30B	A95UH2V045B12S	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36B	A95UH2V045B12S	13.5	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30B	A95UH2V070B12S	13.5	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36B	A95UH2V070B12S	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A95UH2V090C12S	14.0	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A95UH2V090C12S	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P30C	A95UH2V090C20S	14.0	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A95UH2V090C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01

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Outdoor Model	Indoor Model Evap. Coil or Air Handler [3]	Furnace	Cooling				Heating					CFM	Refrig. Connection		Refrig Line Size [4]	Indoor Expansion Valve [2]	
			SEER	EER	AHRI Rated Cap. [1]	Sens. Cap.	HSPF	47°		17°			Out-door	In-door			
								Btuh	COP	Btuh	COP		Suct.	Suct.	Suct.	Piston	TXV
	E(C,H,M,U)1P30C	A95UH2V110C20S	14.0	11.0	35,000	25,200	7.7	32,800	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
	E(C,H,M,U)1P36C	A95UH2V110C20S	14.0	11.0	35,000	25,200	7.7	33,000	3.4	18,000	2.20	1,275	3/4	3/4	3/4	.071	H4TXV01
4HP13*42P-7	BCS2M42C****P		13.0	11.0	41,000	29,520	7.7	40,000	3.5	25,000	2.20	1,400	7/8	7/8	7/8	.076	H4TXV02
	BCS2M42V****P		13.0	11.0	41,000	29,520	7.7	40,000	3.5	25,000	2.20	1,400	7/8	7/8	7/8	.076	H4TXV02
	BCS3M42C****P		13.0	11.0	41,000	29,520	7.7	40,000	3.5	25,000	2.20	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P36C	A80DF1E110C20	13.5	11.0	41,000	29,520	7.7	40,000	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P36B	A80UH1E090B16*	13.5	11.0	41,000	29,520	7.7	40,000	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P43B	A80UH1E090B16*	13.5	11.0	41,000	29,520	7.7	39,500	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P36C	A80UH1E090C20*	13.5	11.0	41,000	29,520	7.7	40,000	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P36C	A80UH1E110C20*	13.5	11.0	41,000	29,520	7.7	40,000	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P36C	A95DF1E110C20S	13.5	11.0	41,000	29,520	7.7	40,000	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P43C	A95DF1E110C20S	13.5	11.0	41,000	29,520	7.7	39,500	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P36C	A95DF2V090C20S	13.5	11.0	41,000	29,520	7.7	40,000	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P36C	A95DF2V110C20S	13.5	11.0	41,000	29,520	7.7	40,000	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P43C	A95DF2V110C20S	13.5	11.0	41,000	29,520	7.7	39,500	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P36C	A95UH1E110C20S	13.5	11.0	41,000	29,520	7.7	40,000	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P43C	A95UH1E110C20S	13.5	11.0	41,000	29,520	7.7	39,500	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P36C	A95UH2V090C20S	13.5	11.0	41,000	29,520	7.7	40,000	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P43C	A95UH2V090C20S	13.5	11.0	41,000	29,520	7.7	39,500	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P36C	A95UH2V110C20S	13.5	11.0	41,000	29,520	7.7	40,000	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
	E(C,H,M,U)1P43C	A95UH2V110C20S	13.5	11.0	41,000	29,520	7.7	39,500	3.4	25,000	2.30	1,400	7/8	7/8	7/8	.076	H4TXV02
4HP13*48P-7	BCS2M48C****P		13.0	11.0	48,000	34,560	7.7	45,000	3.2	28,000	2.40	1,600	7/8	7/8	7/8	.080	H4TXV02
	BCS2M48V****P		14.0	11.0	48,000	34,560	7.7	45,000	3.2	28,000	2.40	1,600	7/8	7/8	7/8	.080	H4TXV02
	BCS3M48C****P		13.0	11.0	48,000	34,560	7.7	45,000	3.2	28,000	2.40	1,600	7/8	7/8	7/8	.080	H4TXV02
4HP13*60P- 7	BCS2M60C****P		13.0	11.0	58,000	41,180	7.7	54,000	3.3	34,000	2.30	1,850	7/8	7/8	1 1/8	NA	H4TXV02
	BCS2M60V****P		13.0	11.0	58,000	41,180	7.7	54,000	3.3	34,000	2.30	1,850	7/8	7/8	1 1/8	NA	H4TXV02
	BCS3M60C****P		13.0	11.0	58,000	41,180	7.7	54,000	3.3	34,000	2.30	1,850	7/8	7/8	1 1/8	NA	H4TXV02

NOTE:

[1] Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240

[2] Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required.

[3] A blower time delay relay is required to achieve AHRI rating. This feature is standard on all Allied Air Enterprises furnace and AH products.

[4] All liquid lines are 3/8".

Nitrogen Charged Split System Heat Pumps

13 SEER, 3-Phase



- Nitrogen charged for replacement of R-22 components only
- High-quality condenser coil with copper tubing and enhanced louvered fin for maximum heat transfer capacity
- Top discharge directs hot air and sound away from living area and shrubbery
- All units run tested
- Available with wire panel coil protection
- Easy access to electrical panels, pre-wired for easy hook-up
- Bi-directional liquid line filter drier factory installed
- Discharge muffler for quiet operation
- Reliable, solid state time/temperature defrost control, with field selectable 30/60/90 minute intervals
- Defrost control is QuietShift™ capable
- Integrated control with LED diagnostics
- Shorty cycle protection factory installed
- All units UL and ULC approved
- 5 year limited warranty on compressor
- 5 year limited warranty on all parts

Outdoor Model	Indoor Model	Cooling			Heating					CFM	Refrig. Connection		Refrig. Line Size[3]	Indoor Expansion Valve
	Evap. Coil or Air Handler[1]	EER	AHRI Rated Cap.[2]	Sens. Cap.	HSPF	47°		17°			Outdoor	Indoor		
						Btuh	COP	Btuh	COP		Suction	Suction	Suction	TXV
2SHP13LC136T	BCS2M36C00NA-1P	11.0	35,200	26,400	7.7	33,800	3.5	21,000	2.4	1200	7/8	7/8	7/8	H2TXV02
2SHP13LC148T	BCS2M48C00NA-1P	11.0	48,000	35,500	7.7	47,500	3.4	30,600	2.4	1600	7/8	7/8	7/8	H2TXV02
2SHP13LC160T	BCS2M60C00NA-1P	11.0	55,000	41,300	7.7	55,000	3.6	35,000	2.5	1800	7/8	7/8	1-1/8	H2TXV01

[1] A blower time delay relay is standard on all Allied Air Enterprises furnaces and AH products.

[2] Certified in accordance with Unitary Air Conditioner Certification Program, which is base on AHRI Standard 210/240.

[3] All Refrigerant liquid line sizes are 3/8"

3-Phase Heat Pumps

Prices Available on Request

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
33-3/4 x 24-3/4 x 26-3/4	1	EA	84067	2SHP13LC136T 3 TON NITROGEN CHARGED R22
37-3/4 x 29-3/8 x 31-1/4	1	EA	84068	2SHP13LC148T 4 TON NITROGEN CHARGED R22
37-3/4 x 29-3/8 x 31-1/4	1	EA	84069	2SHP13LC160T 5 TON NITROGEN CHARGED R22

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
13HPDL36, 42, 48	1	EA	61156	H2TXV02 R22 EXPANSION VALVE
13HPDL60	1	EA	61157	H2TXV03 R22 EXPANSION VALVE
All 13HPDL Models	1	EA	61702	45F08 T6-1469 LOW AMBIENT KIT
ALL 2SHP Models	1	EA	86920	FREEZESTATS (3/8" TUBING)

BCS2 Variable Speed, Multiposition Air Handlers



Application
- 1-1/2 to 5 ton sizes
- Upflow and horizontal
- Sequenced for demand management
- External access to heater circuit breakers

Installation
- 1 piece design for easier installation
- Multiposition: upflow, horizontal left, and horizontal right

Cabinet
- Foil faced insulation
- Painted heavy gauge galvanized cabinet
- Filter rack built into every air handler
- High strength, UV and heat-resistant plastic drain pan for corrosion resistance
- Microban® anti-microbial drain pan
- 2% or less air leakage

Components
- ECM variable speed blower motor
- Standard transformer and blower relay
- Field installed 5 to 20 kW electric heat kits with easy plug connections
- Built-in indoor time delay for increased efficiency
- Sleeves on distributor tubing to protect tubing

Accessories
- Counterflow kit
- Single point power kit

Warranties and Approvals
- 10 year limited warranty on parts*
- Extended warranty available
- ETL and AHRI certified
- UL listed

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Specifications

Model No.	Voltage/ Hz/Phase	Max. Elec. Heat Available (kW)	Transformer Size, Type	Filter Size (In)	Refrigerant Connections (IDS)		Flowrator Piston Size	Weight (Lbs)
					Suction (In.)	Liquid (In.)		
BCS2M24	208-230/60/1	10	40 VA, Class 2	16 x 20	3/4	3/8	57	127
BCS2M36	208-230/60/1	15	40 VA, Class 2	18 x 20	7/8	3/8	70	146
BCS2M42	208-230/60/1	15	40 VA, Class 2	18 x 25	7/8	3/8	76	170
BCS2M48	208-230/60/1	20	40 VA, Class 2	18 x 25	7/8	3/8	82	176
BCS2M60	208-230/60/1	20	40 VA, Class 2	18 x 25	7/8	3/8	90	189

Dimensions

Model No.	Height (In)	Depth (In)	Width (In)	Supply Duct Opening (In.)		Return Duct Opening (In.)	
				Depth	Width	Depth	Width
BCS2M24	46-3/4	22	18-1/2	17	16-1/2	20-1/4	16
BCS2M36	51	22	21-1/4	17	19-1/4	20-1/4	18-3/4
BCS2M42-48	54	26	21-1/4	21	19-1/4	24-1/4	18-3/4
BCS2M60	60	26	21-1/4	21	19-1/4	24-1/4	18-3/4

Variable Speed Air Handlers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	62825	BCS2M24V00NA1P 2T MULTI-POSITION AIR HANDLER
1	EA	62826	BCS2M36V00NA1P 3T MULTI-POSITION AIR HANDLER
1	EA	62827	BCS2M42V00NA1P 3-1/2T MULTI-POSITION AIR HANDLER
1	EA	62828	BCS2M48V00NA1P 4T MULTI-POSITION AIR HANDLER
1	EA	62830	BCS2M60V00NA1P 5T MULTI-POSITION AIR HANDLER

Accessories

Used On	kW	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All BCS2 Models	—	1	EA	61199	12W61 CB26 DOWNFLOW CONVERSION KIT
All BCS2, EFC/EFV 08, 12	5	1	EA	69166	AEHBCC05CSA 5KW HEAT STRIP W/CIRCUIT BREAKER
All BCS2, EFC/EFV 08, 12	7.5	1	EA	69178	AEHBCC07CSA 7.5KW HEAT STRIP W/CIRCUIT BREAKER
All BCS2, EFC and EFV Models	10	1	EA	66907	AEHBCC10CSA-1 10KW HEAT STRIP W/CIRCUIT BREAKER
All BCS2, EFC and EFV Models	10	1	EA	69106	AEHBCC10NSA-1 10KW HEAT STRIP W/TERMINAL BLOCK
BCS2* 30, 36, 42, 48, 60; EFC/EFV 12, 16, 20	15	1	EA	69107	AEHBCC15CSA-1 15KW HEAT STRIP W/CIRCUIT BREAKER
BCS2* 48, 60 - EFC 16, 20 - EFV 16, 20	20	1	EA	69108	AEHBCC20CSA-1 20KW HEAT STRIP W/CIRCUIT BREAKER

BCS3 Multiposition Air Handlers

Upflow and Horizontal, 1.5 to 5 Tons



Application
- Sequenced for demand management
- External access to heater circuit breakers

Installation
- 1 piece design for easier installation
- Multiposition: upflow/horizontal left/right

Cabinet
- Foil faced insulation
- Painted, heavy-gauge galvanized cabinet
- Filter rack built into every air handler
- High-strength, UV- and heat-resistant plastic drain pan with Microban® antimicrobial built-in
- 2% or less air leakage

Components
- Efficient PSC blower motors
- Standard transformer and blower relay
- Field-installed 2.5-20 kW electric heat kits
- Built-in indoor time delay
- Protective sleeves on distributor tubing

Accessories
- Counterflow kit
- Single point power kit

Warranties and Approvals
- 10-year limited parts warranty*
- ETL and AHRI certified

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Specifications

Model No.	Volts/Hz/ Phase	Max. Elec. Heat Available (kW)	Transformer Size & Type	Filter Size (In)	Refrigerant Connection (IDS)		Florator Piston Size	Weight (Lbs)
					Suction (In)	Liquid (In)		
BCS3M30	208-230/60/1	12.5	40 VA, Class 2	15 X 20	7/8	3/8	.062	125
BCS3M36	208-230/60/1	15	40 VA, Class 2	18 X 20	7/8	3/8	.071	160
BCS3M42	208-230/60/1	15	40 VA, Class 2	18 X 24	7/8	3/8	.076	162
BCS3M48	208-230/60/1	20	40 VA, Class 2	18 X 24	7/8	3/8	.080	185
BCS3M60	208-230/60/1	20	40 VA, Class 2	18 X 24	7/8	3/8	.093	185

Dimensions

Model No.	Height (In)	Depth (In)	Width (In)	Supply Duct Opening (In)		Return Duct Opening (In)	
				Depth	Width	Depth	Width
BCS3M30	43	22	18-1/2	17	16-1/2	20-3/4	16
BCS3M36	48	22	21-7/8	17	19-7/8	20-3/4	19-3/8
BCS3M42	48	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCS3M48	52-1/2	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCS3M60	52-1/2	26	21-7/8	21	19-7/8	24-3/4	19-3/8

Air Handlers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84072	BCS3M30C00NA1P 2.5T MULTI-POSITION AIR HANDLER
1	EA	84073	BCS3M36C00NA1P 3T MULTI-POSITION AIR HANDLER
1	EA	84074	BCS3M42C00NA1P 3.5T MULTI-POSITION AIR HANDLER
1	EA	84075	BCS3M48C00NA1P 4T MULTI-POSITION AIR HANDLER
1	EA	84076	BCS3M60C00NA1P 5T MULTI-POSITION AIR HANDLER

Electric Heat Kits

Used On	kW	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All BCS3 Models	5	1	EA	84033	ECB25-5CB-P 5KW (89W44) HEAT STRIP W/CIRCUIT BREAKER
All BCS3 Models	7.5	1	EA	84034	ECB25-7CB-P 7.5KW(89W46) HEAT STRIP W/CIRCUIT BREAKER
All BCS3 Models	10	1	EA	84035	ECB25-10CB-P 10KW (89W48) HEAT STRIP W/CIRCUIT BREAKER
BCS3 30, 36, 42, 48, 60	12.5	1	EA	84024	ECB25-12.5CB-P 12.5KW (89W49) HEAT STRIP W/CIRCUIT BREAKER
BCS3 36, 42, 48, 60	15	1	EA	84036	ECB25-15CB-P 15KW (10T14) HEAT STRIP W/CIRCUIT BREAKER
BCS3 48, 60	20	1	EA	84037	ECB25-20CB-P 20KW (10T35) HEAT STRIP W/CIRCUIT BREAKER

Accessories

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
BCE3 18	1	EA	84038	96W37 BC3M18 AIR HANDLER DOWNFLOW CONVERSION KIT
BCE3 24, 30	1	EA	84039	96W38 BC3M24-30 AIR HANDLER DOWNFLOW CONVERSION KIT
BCE3 36	1	EA	84022	97W95 BC3M36 AIR HANDLER DOWNFLOW CONVERSION KIT
BCE3 42, 48, 60	1	EA	84023	97W96 BC3M42-60 AIR HANDLER DOWNFLOW CONVERSION KIT

Ducane BCE3C Multiposition Air Handlers

AIR CONDITIONING AND HEATING

Upflow and Horizontal, 1.5 to 5 Tons



Application
- Sequenced for demand management
- External access to heater circuit breakers

Installation
- 1 piece design for easier installation
- Multiposition: upflow/horizontal left/right

Cabinet
- Foil faced insulation
- Painted, heavy-gauge galvanized cabinet
- Filter rack built into every air handler
- High-strength, UV- and heat-resistant plastic drain pan with Microban® antimicrobial built-in
- 2% or less air leakage

Components
- Efficient PSC blower motors
- Standard transformer and blower relay
- Field-installed 2.5-20 kW electric heat kits
- Built-in indoor time delay
- Protective sleeves on distributor tubing

Accessories
- Counterflow kit
- Single point power kit

Warranties and Approvals
- 10-year limited parts warranty*
- ETL and AHRI certified

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

BCE Specifications

Model No.	Volts/Hz/ Phase	Max. Elec. Heat Available (kW)	Transformer Size & Type	Filter Size (In)	Refrigerant Connection (IDS)		Florator Piston Size	Weight (Lbs)
					Suction (In)	Liquid (In)		
BCE3M18	208-230/60/1	7.5	40 VA, Class 2	12 X 20	3/4	3/8	.053	104
BCE3M24	208-230/60/1	10	40 VA, Class 2	15 X 20	3/4	3/8	.057	122
BCE3M30	208-230/60/1	15	40 VA, Class 2	15 X 20	3/4	3/8	.062	125
BCE3M36	208-230/60/1	15	40 VA, Class 2	18 X 20	7/8	3/8	.071	160
BCE3M42	208-230/60/1	15	40 VA, Class 2	18 X 24	7/8	3/8	.076	162
BCE3M48	208-230/60/1	20	40 VA, Class 2	18 X 24	7/8	3/8	.080	185
BCE3M60	208-230/60/1	20	40 VA, Class 2	18 X 24	7/8	3/8	.093	185

BCE Dimensions

Model No.	Height (In)	Depth (In)	Width (In)	Supply Duct Opening (In)		Return Duct Opening (In)	
				Depth	Width	Depth	Width
BCE3M18	38	22	15	14-1/2	13	20-3/8	12-3/4
BCE3M24	40-1/2	22	18-1/2	14-1/2	16-1/2	20-3/8	16-1/4
BCE3M30	43	22	18-1/2	14-1/2	16-1/2	20-3/8	16-1/4
BCE3M36	52-1/2	22	21-7/8	14-1/2	19-7/8	20-3/8	19-5/8
BCE3M42	48	26-1/4	21-7/8	18-3/4	19-7/8	24-5/8	19-5/8
BCE3M48	52-1/2	26-1/4	21-7/8	18-3/4	19-7/8	24-5/8	19-5/8
BCE3M60	52-1/2	26-1/4	21-7/8	18-3/4	19-7/8	24-5/8	19-5/8

Air Handlers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85763	BCE3M18C00NA1P-2 1.5T MULTI-POSITION AIR HANDLER
1	EA	85764	BCE3M24C00NA1P-2 2T MULTI-POSITION AIR HANDLER
1	EA	85765	BCE3M30C00NA1P-2 2.5T MULTI-POSITION AIR HANDLER
1	EA	85766	BCE3M36C00NA1P-2 3T MULTI-POSITION AIR HANDLER
1	EA	85767	BCE3M42C00NA1P-2 3.5T MULTI-POSITION AIR HANDLER
1	EA	85768	BCE3M48C00NA1P-2 4T MULTI-POSITION AIR HANDLER
1	EA	85769	BCE3M60C00NA1P-2 5T MULTI-POSITION AIR HANDLER

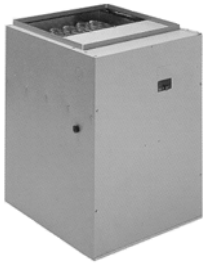
Electric Heat Kits

Used On	kW	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All BCE3 Models	5	1	EA	84033	ECB25-5CB-P 5KW HEAT STRIP W/CIRCUIT BREAKER
All BCE3 Models	7.5	1	EA	84034	ECB25-7CB-P 7.5KW HEAT STRIP W/CIRCUIT BREAKER
BCE3 24, 30, 36, 42, 48, 60	10	1	EA	84035	ECB25-10CB-P 10KW HEAT STRIP W/CIRCUIT BREAKER
BCE3 30, 36, 42, 48, 60	12.5	1	EA	84024	ECB25-12.5CB-P 12.5KW HEAT STRIP W/CIRCUIT BREAKER
BCE3 30, 36, 42, 48, 60	15	1	EA	84036	ECB25-15CB-P 15KW HEAT STRIP W/CIRCUIT BREAKER
BCE3 48, 60	20	1	EA	84037	ECB25-20CB-P 20KW HEAT STRIP W/CIRCUIT BREAKER

Accessories

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
BCE3 18	1	EA	84038	96W37 BC3M18 AIR HANDLER DOWNFLOW CONVERSION KIT
BCE3 24, 30	1	EA	84039	96W38 BC3M24-30 AIR HANDLER DOWNFLOW CONVERSION KIT
BCE3 36	1	EA	84022	97W95 BC3M36 AIR HANDLER DOWNFLOW CONVERSION KIT
BCE3 42, 48, 60	1	EA	84023	97W96 BC3M42-60 AIR HANDLER DOWNFLOW CONVERSION KIT

EFC/EFV Modular Air Handlers



Application
- 1-1/2 to 5 ton sizes
- Upflow, counterflow, and horizontal positions

Cabinet
- Cabinet dimensions match standard furnace widths
- Painted galvanized cabinet

Components
- EFC models feature PSC motors
- EFV models feature ECM variable speed motors
- Field installed 5–20 kW heat strips
- Factory installed fan relays for non-heat strip installations

Warranties
- 10 year limited warranty on parts when applied with a system*
- Extended warranty available
- ETL certified

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completerd on time. See warranty certificate for complete details.

EFC Modular Air Handlers, Constant Speed

Model No.	CFM@ 0.3" ESP High/Med/Low	Electric Heat (kW)	Voltage	Dimensions H x W x D (In)	Ship Weight (Lbs)
EFC08BC	950//830/590	10	208-230	25 x 17-1/2 x 21	78
EFC12BC	1330/1250/1060	15	208-230	25 x 17-1/2 x 21	85
EFC16CC	16640/1590/1440	15	208-230	26 x 21 x 21	96
EFC20DC	2040/1910/1550	20	208-230	26 x 24-1/2 x 21	104

EFV Modular Air Handlers, Variable Speed

Model No.	CFM @ 0.3" ESP	Electric Heat (kW)	Voltage	Dimensions H x W x D (In)	Ship Weight (Lbs)
EFV08BC	310–970	5, 7-1/2, 10	208-230	25 x 17-1/2 x 21	79
EFV12BC	440–1210	5, 7-1/2, 10, 15	208-230	25 x 17-1/2 x 21	86
EFV16CC	390–1640	10, 15, 20	208-230	26 x 21 x 21	97
EFV20DC	580–1810	10, 15, 20	208-230	26 x 24-1/2 x 21	105

Air Handlers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	65524	EFC08BCP-1A 208/230 1PH CONSTANT SPD MODULAR AIR HANDLER
1	EA	65525	EFC12BCP-1A 208/230 1PH CONSTANT SPD MODULAR AIR HANDLER
1	EA	65526	EFC16CCP-1A 208/230 1PH CONSTANT SPD MODULAR AIR HANDLER
1	EA	65529	EFC20DCP-1A 208/230 1PH CONSTANT SPD MODULAR AIR HANDLER
1	EA	84078	EFV08BCP-1A 208/230 1PH VARIABLE SPD MODULAR AIR HANDLER
1	EA	65530	EFV12BCP-1A 208/230 1PH VARIABLE SPD MODULAR AIR HANDLER
1	EA	65531	EFV16CCP-1A 208/230 1PH VARIABLE SPD MODULAR AIR HANDLER
1	EA	65532	EFV20DCP-1A 208/230 1PH VARIABLE SPD MODULAR AIR HANDLER

Accessories

Used On	kW	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
EFC/V 08, 12	5	1	EA	69166	AEHBCC05CSA 5KW HEAT STRIP W/CIRCUIT BREAKER
EFC/V 08, 12	7.5	1	EA	69178	AEHBCC07CSA 7.5KW HEAT STRIP W/CIRCUIT BREAKER
All EFC and EFV Models	10	1	EA	66907	AEHBCC10CSA-1 10KW HEAT STRIP W/CIRCUIT BREAKER
All EFC and EFV Models	10	1	EA	69106	AEHBCC10NSA-1 10KW HEAT STRIP W/TERMINAL BLOCK
EFC/V 12, 16, 20	15	1	EA	69107	AEHBCC15CSA-1 15KW HEAT STRIP W/CIRCUIT BREAKER
EFC/V 16, 20	20	1	EA	69108	AEHBCC20CSA-1 20KW HEAT STRIP W/CIRCUIT BREAKER

PRAC14 Packaged Rooftop Units

14 SEER, R-410A, Electric Cooling and Heating



Refrigerant System
- Copper tubing with enhanced fin coils
- Internal service gauge ports

Cabinet Construction
- Low profile, with compact footprint
- Insulation to minimize heat loss plus reduce sound
- Baked on pre-painted steel cabinet finish
- Easy service access
- Wire grill protection
- One piece "no leak" top design

Blower
- Insulated compartment to reduce sound
- High efficiency multispeed motor for wide airflow range

Installation
- Horizontal or down discharge
- Utility connections on "right side"
- Filter channels for 1" filter field provided

Warranties*
- 10 year limited parts and compressor warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warrenty certificate for complete details.

Model No.	Voltage/Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Overcurrent (Amps)	Compressor		Condenser Fan Motor			Blower Motor		Refrig. Charge	Weight (Lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM	Rated Load (Amps)	Rated HP		
PRAC1424	208-230/60/1	197-253	16.7	25	11.2	60.8	1.0	1/6	N/A	1.7	1/3	70	313
PRAC1430	208-230/60/1	197-253	18.7	30	12.8	64	1.0	1/6	N/A	1.7	1/3	77	325
PRAC1436	208-230/60/1	197-253	20.6	30	14.1	72.2	1.0	1/6	N/A	2.0	1/3	79	333
PRAC1442	208-230/60/1	197-253	24.4	40	15.9	85	1.7	1/4	N/A	2.8	1/3	108	402
PRAC1448	208-230/60/1	197-253	26.9	40	17.9	96	1.7	1/4	N/A	2.8	1/2	106	406
PRAC1460	208-230/60/1	197-253	38.9	60	23.7	152.5	1.7	1/4	N/A	7.6	1	125	445

PRAC Single Phase Packaged Units

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
36.82 x 46.77 x 46.77	1	EA	84925	PRAC1424P 14 SEER 2T 1PH PACKAGE AIR CONDITIONER
36.82 x 46.77 x 46.77	1	EA	84926	PRAC1430P 14 SEER 2.5T 1PH PACKAGE AIR CONDITIONER
36.82 x 46.77 x 46.77	1	EA	84927	PRAC1436P 14 SEER 3T 1PH PACKAGE AIR CONDITIONER
40.88 x 55.27 x 55.27	1	EA	84928	PRAC1442P 14 SEER 3.5T 1PH PACKAGE AIR CONDITIONER
40.88 x 55.27 x 55.27	1	EA	84929	PRAC1448P 14 SEER 4T 1PH PACKAGE AIR CONDITIONER
40.88 x 55.27 x 55.27	1	EA	84930	PRAC1460P 14 SEER 5T 1PH PACKAGE AIR CONDITIONER

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
PRAC1424, 30, 36	1	EA	84948	ACONVR836-1 2-3 TON 1.851401 DOWNFLOW CONV KIT 14 SEER PKG
PRAC1442, 48, 60	1	EA	84949	ACONVR837-1 3.5-5 TON 1.851402 DOWNFLOW CONV KIT 14 SEER PKG
PRAC1424, 30, 36	1	EA	84946	ACURB832-1 2-3 TON 14 SEER RESPAK ROOF CURB 11U78
PRAC1442, 48, 60	1	EA	84947	ACURB833-1 3.5-5 TON 14 SEER RESPAK ROOF CURB 11U79
All	1	EA	84905	PHK05BP 5KW 10W47 HEAT KIT FOR 14 SEER PKG UNIT
All	1	EA	84906	PHK07BP 7.5KW 10W48 HEAT KIT FOR 14 SEER PKG UNIT
All	1	EA	84907	PHK10BP 10KW 10W49 HEAT KIT FOR 14 SEER PKG UNIT
PRAC1430, 36, 42, 48, 60	1	EA	84908	PHK15CP 15KW 10W50 HEAT KIT FOR 14 SEER PKG UNIT
PRAC1442, 48, 60	1	EA	84909	PHK20CP 20KW 10W51 HEAT KIT FOR 14 SEER PKG UNIT
PRAC1424, 30, 36	1	EA	84638	AFILT838 2-3 TON 14 SEER RESPAK FILTER RACK 11U73
PRAC1442, 48, 60	1	EA	84639	AFILT839 4-5 TON 14 SEER RESPAK FILTER RACK 11U74

PRGE14 Packaged Rooftop Units

14 SEER, R-410A, Gas Heating and Electric Cooling



Refrigerant System
- Copper tubing with enhanced fin coils
- Internal service gauge ports

Cabinet Construction
- Low profile, with compact footprint
- Insulation to minimize heat loss plus reduce sound
- Baked on pre-painted steel cabinet finish
- Easy service access
- Wire grill protection
- One piece "no leak" top design

Blower
- Insulated compartment to reduce sound
- High efficiency multispeed motor for wide airlflow range.

Installation
- Horizontal or down discharge
- Utility connections on "right side"
- Filter channels for 1" filter field provided

Warranties*
- 10 year limited on parts and compressor
- Lifetime limited on heat exchanger

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Overcurrent (Amps)	Compressor		Condenser Fan Motor			Blower Motor		Refrig. Charge	Weight (Lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM	Rated Load (Amps)	Rated HP		
PRGE1424-054	208-230/60/1	197-253	16.7	25	11.2	60.8	1.0	1/6	N/A	1.7	1/4	70	334
PRGE1424-072	208-230/60/1	197-253	16.7	25	11.2	60.8	1.0	1/6	N/A	1.7	1/4	70	340
PRGE1430-072	208-230/60/1	197-253	18.7	30	12.8	64	1.0	1/6	N/A	1.7	1/4	77	352
PRGE1436-072	208-230/60/1	197-253	20.6	30	14.1	72.2	1.0	1/6	N/A	2	1/3	79	365
PRGE1436-090	208-230/60/1	197-253	20.6	30	14.1	72.2	1.0	1/6	N/A	2	1/3	79	371
PRGE1442-090	208-230/60/1	197-253	24.4	40	15.9	85	1.7	1/4	N/A	2.8	1/3	84	438
PRGE1448-108	208-230/60/1	197-253	26.9	40	17.9	96	1.7	1/4	N/A	2.8	1/2	82	448
PRGE1448-126	208-230/60/1	197-253	26.9	40	17.9	96	1.7	1/4	N/A	2.8	1/2	82	454
PRGE1460-108	208-230/60/1	197-253	38.9	60	23.7	152.5	1.7	1/4	N/A	7.6	1.0	125	485
PRGE1460-126	208-230/60/1	197-253	38.9	60	23.7	152.5	1.7	1/4	N/A	7.6	1.0	125	491

PRGE Packaged Units

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
36.82 x 46.77 x 46.77	1	EA	84915	PRGE1424-054P 14 SEER 2T 54K 1PH PACKAGE UNIT
36.82 x 46.77 x 46.77	1	EA	84916	PRGE1424-072P 14 SEER 2T 72K 1PH PACKAGE UNIT
36.82 x 46.77 x 46.77	1	EA	84917	PRGE1430-072P 14 SEER 2.5T 72K 1PH PACKAGE UNIT
36.82 x 46.77 x 46.77	1	EA	84918	PRGE1436-072P 14 SEER 3T 72K 1PH PACKAGE UNIT
36.82 x 46.77 x 46.77	1	EA	84919	PRGE1436-090P 14 SEER 3T 90K 1PH PACKAGE UNIT
40.88 x 55.27 x 55.27	1	EA	84920	PRGE1442-090P 14 SEER 3.5T 90K 1PH PACKAGE UNIT
40.88 x 55.27 x 55.27	1	EA	84921	PRGE1448-108P 14 SEER 4T 108K 1PH PACKAGE UNIT
40.88 x 55.27 x 55.27	1	EA	84922	PRGE1448-126P 14 SEER 4T 126K 1PH PACKAGE UNIT
40.88 x 55.27 x 55.27	1	EA	84923	PRGE1460-108P 14 SEER 5T 108K 1PH PACKAGE UNIT
40.88 x 55.27 x 55.27	1	EA	84924	PRGE1460-126P 14 SEER 5T 126K 1PH PACKAGE UNIT

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
PRGE1424, 30, 36	1	EA	84948	ACONVR836-1 2-3 TON 1.851401 DOWNFLOW CONV KIT 14 SEER PKG
PRGE1442, 48, 60	1	EA	84949	ACONVR837-1 3.5-5 TON 1.851402 DOWNFLOW CONV KIT 14 SEER PKG
PRGE1424, 30, 36	1	EA	84946	ACURB832-1 2-3 TON 14 SEER RESPAK ROOF CURB 11U78
PRGE1442, 48, 60	1	EA	84947	ACURB833-1 3.5-5 TON 14 SEER RESPAK ROOF CURB 11U79
All	1	EA	84945	ALPKT841-1 LP KIT 11U77
PRGE1424, 30, 36	1	EA	84638	AFILT838 2-3 TON 14 SEER RESPAK FILTER RACK 11U73
PRGE1442, 48, 60	1	EA	84639	AFILT839 4-5 TON 14 SEER RESPAK FILTER RACK 11U74

RGE13 Packaged Rooftop Unit

13 SEER, R-410A, Gas Heating and Electric Cooling



Features

- Copper tubing with enhanced fin coils
- External service gauge ports
- Aluminized steel tapered S-curve heat exchanger
- Crimped no weld construction for longer life
- Cabinet insulation minimizes heat loss and reduces sound
- Wire grill protection
- One piece "no leak" top design
- High efficiency multispeed blower motor
- Solid state integrated blower control board with LED diagnostics
- Direct spark ignition
- Horizontal or down discharge with duct covers
- Filter channels for 1" filter field provided

Warranties*

- 10 year limited on parts and compressor
- Lifetime limited on heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Over-Current (Amps)	Compressor		Condenser Fan Motor			Blower Motor		Refrig. Charge	Weight (Lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM	Rated Load (Amps)	Rated HP		
Single-Phase													
RGE13A60125P	208-230/60/1	197-253	38.7	60	25	134	1.7	1/3	1075	5.8	1	140	505
3-Phase													
RGE13A36100T	208-230/60/3	187-253	16.1	20	8.6	68	1.2	1/4	1075	4.1	1/2	117	420

Single Phase Unit

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
34-1/2 x 55-1/2 x 50-1/2	1	EA	84515	RGE13A60125P 13 SEER 5T 125K 1PH PACKAGE UNIT

3-Phase Unit

32-1/2 x 45-5/8 x 46-1/2	1	EA	84645	RGE13A36100T 13 SEER 3T 100K 3PH PACKAGE UNIT

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
RGE13A24, 30, 36	1	EA	84555	ACURB160-1 2-3 TON ROOF CURB
RGE13A42, 48, 60	1	EA	84556	ACURB162-1 3.5-5 TON ROOF CURB
RGE13A24, 30, 36	1	EA	84557	ADMPR145-1 2-3 TON MANUAL FRESH AIR DAMPER
RGE13A42, 48, 60	1	EA	84558	ADMPR166-1 3.5-5 TON MANUAL FRESH AIR DAMPER
RGE13A24, 30, 36	1	EA	84561	AECON825-1 2-3 TON DOWNFLOW ECONOMIZER
RGE13A24, 30, 36	1	EA	84563	AECON827-1 2-3 TON HORIZONTAL ECONOMIZER
RGE13A42, 48, 60	1	EA	84564	AECON828-1 3.5-5 TON HORIZONTAL ECONOMIZER

RHP13 Packaged Rooftop Unit

13 SEER, R-410A, Heat Pump



Refrigerant System
- Copper tubing with enhanced fin coils
- External service gauge ports

Cabinet Construction
- Low profile, with compact footprint
- Insulation to minimize heat loss plus reduce sound
- Baked on pre-painted steel cabinet finish
- Easy service access
- Wire grill protection
- One piece "no leak" top design

Blower
- Insulated compartment to reduce sound
- High efficiency multispeed motor for wide airflow range

Controls
- Integrated control with LED diagnostics
- Defrost control board with field selectable time intervals
- High and low refrigerant pressure switches for system protection
- Installation
- Full perimeter base rail system for easy installation
- Horizontal or down discharge, duct covers provided
- Utility connections on "right side"
- Filter channels for 1" filter field provided

Warranty
- 10 year limited parts and compressor warranty*

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Overcurrent Device (Amps)	Compressor		Condenser Fan Motor			Indoor Blower Motor		Refrig. Charge	Weight (lbs.)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM	Rated Load (Amps)	Rated HP		
RHP13A42P	208-230/60/1	197-253	30.4	45	18.3	112	1.7	1/3	1075	5.8	3/4	142	462

RHP Packaged Units

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
34-1/2 x 55-1/2 x 50-1/2	1	EA	84519	RHP13A42P 13 SEER 3.5 1PH PACKAGE HEAT PUMP

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
RHP13A42, 48, 60	1	EA	84554	AHSA20A-1 20KW ELECTRIC HEATER
RHP13A24, 30, 36	1	EA	84557	ADMPR145-1 2-3 TON MANUAL FRESH AIR DAMPER
RHP13A42, 48, 60	1	EA	84558	ADMPR166-1 3.5-5 TON MANUAL FRESH AIR DAMPER
RHP13A42, 48, 60	1	EA	84562	AECON826-1 3.5-5 TON DOWNFLOW ECONOMIZER
RHP13A42, 48, 60	1	EA	84567	ACURB163-1 3.5-5 TON PKG HEAT PUMP ROOF CURB

PRHP14 Packaged Heat Pump Units

14 SEER, R-410A



Refrigerant System

- Copper tubing with enhanced fin coils
- Internal service gauge ports

Cabinet Construction

Low profile, with compact footprint

- Insulation to minimize heat loss plus reduce sound
- Baked on pre-painted steel cabinet finish
- Easy service access
- Wire grill protection
- One piece "no leak" top design

Blower

- Insulated compartment to reduce sound
- High efficiency multispeed motor for wide airflow range

Installation

- Horizontal or down discharge
- Utility connections on "right side"
- Filter channels for 1" filter field provided

Warranties*

- 10 year limited parts and compressor warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Overcurrent (Amps)	Compressor		Condenser Fan Motor			Blower Motor		Refrig. Charge	Weight (Lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM	Rated Load (Amps)	Rated HP		
PRHP1424	208-230/60/1	197-253	17.4	25	10.9	59.3	1.0	1/6	N/A	2.8	1/3	80	315
PRHP1430	208-230/60/1	197-253	20.7	30	13.5	72.5	1.0	1/6	N/A	2.8	1/3	96	324
PRHP1436	208-230/60/1	197-253	24.4	35	15.4	83.9	1.0	1/6	N/A	4.1	1/2	81	334
PRHP1442	208-230/60/1	197-253	24.4	40	15.9	85	1.7	1/4	N/A	2.8	1/3	165	433
PRHP1448	208-230/60/1	197-253	27.0	45	18.0	117	1.7	1/4	N/A	2.8	1/2	163	438
PRHP1460	208-230/60/1	197-253	39.7	60	24.3	144.2	1.7	1/4	N/A	7.6	1.0	161	460

PRHP Packaged Units

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
36.82 x 46.77 x 46.77	1	EA	84931	PRHP1424P 14 SEER 2T 1PH HEAT PUMP
36.82 x 46.77 x 46.77	1	EA	84932	PRHP1430P 14 SEER 2.5T 1PH HEAT PUMP
36.82 x 46.77 x 46.77	1	EA	84933	PRHP1436P 14 SEER 3T 1PH HEAT PUMP
40.88 x 55.27 x 55.27	1	EA	84934	PRHP1442P 14 SEER 3.5T 1PH HEAT PUMP
40.88 x 55.27 x 55.27	1	EA	84935	PRHP1448P 14 SEER 4T 1PH HEAT PUMP
40.88 x 55.27 x 55.27	1	EA	84936	PRHP1460P 14 SEER 5T 1PH HEAT PUMP

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
PRHP1424, 30, 36	1	EA	84948	ACONVR836-1 2-3 TON 1.851401 DOWNFLOW CONV KIT 14 SEER PKG
PRHP1442, 48, 60	1	EA	84949	ACONVR837-1 3.5-5 TON 1.851402 DOWNFLOW CONV KIT 14 SEER PKG
PRHP1424, 30, 36	1	EA	84946	ACURB832-1 2-3 TON 14 SEER RESPAK ROOF CURB 11U78
PRHP1442, 48, 60	1	EA	84947	ACURB833-1 3.5-5 TON 14 SEER RESPAK ROOF CURB 11U79
All	1	EA	84905	PHK05BP 5KW 10W47 HEAT KIT FOR 14 SEER PKG UNIT
All	1	EA	84906	PHK07BP 7.5KW 10W48 HEAT KIT FOR 14 SEER PKG UNIT
All	1	EA	84907	PHK10BP 10KW 10W49 HEAT KIT FOR 14 SEER PKG UNIT
PRHP1430, 36, 42, 48, 60	1	EA	84908	PHK15CP 15KW 10W50 HEAT KIT FOR 14 SEER PKG UNIT
PRHP1442, 48, 60	1	EA	84909	PHK20CP 20KW 10W51 HEAT KIT FOR 14 SEER PKG UNIT
PRHP1424, 30, 36	1	EA	84638	AFILT838 2-3 TON 14 SEER RESPAK FILTER RACK 11U73
PRHP1442, 48, 60	1	EA	84639	AFILT839 4-5 TON 14 SEER RESPAK FILTER RACK 11U74

PRDF14 Packaged Dual Fuel Units

14 SEER, R-410A



Refrigerant System
- Copper tubing with enhanced fin coils
- Internal service gauge ports

Cabinet Construction
- Low profile, with compact footprint
- Insulation to minimize heat loss plus reduce sound
- Baked on pre-painted steel cabinet finish
- Easy service access
- Wire grill protection
- One piece "no leak" top design

Blower
- Insulated compartment to reduce sound
- High efficiency multispeed motor for wide airflow range

Installation
- Horizontal or down discharge
- Utility connections on "right side"
- Filter channels for 1" filter field provided

Warranties*
- 10 year limited parts and compressor warranty
- Lifetime limited heat exchanger warranty

* On-line registration required within 60 days of installation. Warranty terms will be impacted if registration not completed on time. See warranty certificate for complete details.

Model No.	Voltage/Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Overcurrent (Amps)	Compressor		Condenser Fan Motor			Blower Motor		Refrig. Charge	Weight (Lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Rated Load (Amps)	Rated HP	Nom. RPM	Rated Load (Amps)	Rated HP		
PRDF1424-072	208-230/60/1	197-253	17.4	25	10.9	59.3	1.0	1/6	N/A	2.8	1/3	80	348
PRDF1430-072	208-230/60/1	197-253	20.7	30	13.5	72.5	1.0	1/6	N/A	2.8	1/3	96	356
PRDF1436-072	208-230/60/1	197-253	24.4	35	15.4	83.9	1.0	1/6	N/A	4.1	1/2	81	366
PRDF1436-090	208-230/60/1	197-253	24.4	35	15.4	83.9	1.0	1/6	N/A	4.1	1/2	81	371
PRDF1442-072	208-230/60/1	197-253	24.4	40	15.9	85	1.7	1/4	N/A	2.8	1/3	165	466
PRDF1442-090	208-230/60/1	197-253	24.4	40	15.9	85	1.7	1/4	N/A	2.8	1/3	165	471
PRDF1448-126	208-230/60/1	197-253	27.0	45	18.0	117	1.7	1/4	N/A	2.8	1/2	163	484
PRDF1460-126	208-230/60/1	197-253	39.7	60	24.3	144.2	1.7	1/4	N/A	7.6	1.0	161	506

PRDF Packaged Units

Prices Available on Request

Dimensions (H x W x D) (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
36.82 x 46.77 x 46.77	1	EA	84937	PRDF1424-072P 14 SEER 2T 72K 1PH DUAL FUEL PACKAGE UNIT
36.82 x 46.77 x 46.77	1	EA	84938	PRDF1430-072P 14 SEER 2.5T 72K 1PH DUAL FUEL PACKAGE UNIT
36.82 x 46.77 x 46.77	1	EA	84939	PRDF1436-072P 14 SEER 3T 72K 1PH DUAL FUEL PACKAGE UNIT
36.82 x 46.77 x 46.77	1	EA	84940	PRDF1436-090P 14 SEER 3T 90K 1PH DUAL FUEL PACKAGE UNIT
40.88 x 55.27 x 55.27	1	EA	84941	PRDF1442-072P 14 SEER 3.5T 72K 1PH DUAL FUEL PACKAGE UNIT
40.88 x 55.27 x 55.27	1	EA	84942	PRDF1442-090P 14 SEER 3.5T 90K 1PH DUAL FUEL PACKAGE UNIT
40.88 x 55.27 x 55.27	1	EA	84943	PRDF1448-126P 14 SEER 4T 126K 1PH DUAL FUEL PACKAGE UNIT
40.88 x 55.27 x 55.27	1	EA	84944	PRDF1460-126P 14 SEER 5T 126K 1PH DUAL FUEL PACKAGE UNIT

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
PRDF1424, 30, 36	1	EA	84948	ACONVR836-1 2-3 TON 1.851401 DOWNFLOW CONV KIT 14 SEER PKG
PRDF1442, 48, 60	1	EA	84949	ACONVR837-1 3.5-5 TON 1.851402 DOWNFLOW CONV KIT 14 SEER PKG
PRDF1424, 30, 36	1	EA	84946	ACURB832-1 2-3 TON 14 SEER RESPAK ROOF CURB 11U78
PRDF1442, 48, 60	1	EA	84947	ACURB833-1 3.5-5 TON 14 SEER RESPAK ROOF CURB 11U79
All	1	EA	84945	ALPKT841-1 LP KIT 11U77
PRDF1424, 30, 36	1	EA	84638	AFILT838 2-3 TON 14 SEER RESPAK FILTER RACK 11U73
PRDF1442, 48, 60	1	EA	84639	AFILT839 4-5 TON 14 SEER RESPAK FILTER RACK 11U74

Goodman Accessories

FOR USE WITH	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
GKS9	1	EA	67943	0270K00012 HORIZONTAL INSTALLATION KIT
GPG13	2	EA	86020	20464501PDGK MEDIUM SIDE PANEL KIT
GPG13	2	EA	86021	20464502PDGK LARGE SIDE PANEL KIT
GMVC95	1	EA	64795	CFB17 17IN DOWNFLOW COMBUSTIBLE FLOOR KIT
GMVC95, GCVC9, GCV9	1	EA	64796	CFB21 21IN DOWNFLOW COMBUSTIBLE FLOOR KIT
GMVC95, GCVC9, GCV9	1	EA	64797	CFB24 24IN DOWNFLOW COMBUSTIBLE FLOOR KIT
GDH8, GMS8, GDS8, GPG13	1	EA	64771	CHSATG THERMOSTAT
14"	1	EA	69450	DFKT-14 DOWNFLOW COIL KIT
17"	1	EA	69451	DFKT-17 DOWNFLOW COIL KIT
21"	1	EA	69452	DFKT-21 DOWNFLOW COIL KIT
24"	1	EA	69453	DFKT-24 DOWNFLOW COIL KIT
All Heat Pump Models	1	EA	64781	EH18-60 EMERGENCY HEAT RELAY
ARUF	5	EA	69603	FIL18-32 WASHABLE FILTER
AVPTC, AEPF, ARUF	5	EA	69605	FIL48-61 WASHABLE FILTER
VSZ13	24	EA	64779	HPTA18-60 INDOOR AUTO HT PUMP STAT
CPG	1	EA	85594	LPKT36150 LP CONVERSION KIT
GKS9, GME8, GDH8	1	EA	66885	LPLP02 LOW LP GAS PRESSURE KIT LPLP01
DSXC16, DSX16, SSX16, SSX14, VSX, DSZC16, SSZ16, SSZ14	2	EA	64502	TX2N4A TXV KIT - R410A
GSC13, GSH13	2	EA	64498	TX3N2 TXV KIT - R22
DSXC, SSX, GSX, VSX, DSZC, SSZ, GSZ, VSZ	12	EA	64612	TX3N4 TXV KIT - R410A
DSXC, SSX, GSX, VSX, DSZC, SSZ, SSZ, GSZ	12	EA	64616	TX5N4 TXV KIT - R410A
550 HEPA Air Clear	1	EA	41850	W5-0810 1" CARBON PREFILTER F/550
550 HEPA Air Cleaner	1	EA	41852	W5-0860 6" HEPA FILTER F/550

Goodman Window Air Conditioner Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66368	BT9266200S COMPRESSOR	
1	EA	66370	BT1086700 10IN COND FAN	
1	EA	66378	BT1340000S 1/15HP 115V MOTOR	
1	EA	66380	BT1340002S 1/8HP 115V MOTOR	
1	EA	66381	BT1340003S 1/15HP 208/230V MOTOR	
1	EA	66382	BT1340004S 1/5HP 115V MOTOR	
1	EA	66385	BT1368002 BLOWER WHEEL	

Goodman Replacement Parts for Furnaces and Air Conditioning Units

Five year parts Warranty Applies to Equipment Produced January 1, 1990 or later.

Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64668	0121K00006 BRACKET FOR 64652	
1	EA	64794	0130F00010 FLAME SENSOR	
1	EA	64772	0130F00031S COMMUNICATING CFM UPGRADE KIT	
1	EA	64773	0130F00032S COMMUNICATING CFM UPGRADE KIT	
1	EA	64774	0130F00033S COMMUNICATING CFM UPGRADE KIT	
1	EA	63376	0130M00053 OUTDOOR COIL TEMP SENSOR	
1	EA	63375	0130M00054 OUTDOOR AIR TEMP SENSOR	
4	EA	69250	0130M00140S 40VA/120/24 TRANSFORMER 0130M00140	
1	EA	63355	0130R00000S LOW PRESSURE CUT OUT SWITCH	
1	EA	65819	0131F00015S 115 V 1 HP X13 PROG. MOTOR	
1	EA	65580	0131F00022 1/2 HP MOTOR (B1340024S)	
1	EA	69858	0131M00002PSP VENT MOTOR 80% 0131M00002PS	
1	EA	67328	0131M00003PS VENT MOTOR 80% 0131M00003S	
1	EA	64842	0131M00007PS 1/4 HP MOTOR 230V B134002475	
1	EA	64926	0131M00008PS 1/3 HP MOTOR 230V B134002485	
1	EA	65003	0131M00012PS FAN MOTOR	
1	EA	63352	0131M00061S COND MOTOR 1/4HP 1SP 8PL	
1	EA	61449	0131M00111 BLOWER MOTOR 1/2HP SERIAL ECM	
1	EA	63367	0131M00115S COND MOTOR 1/6HP 2SP 8PL	
1	EA	63372	0131M00129S MOTOR ECM	
1	EA	61444	0131M00272S BLOWER MOTOR 0131M00113S	
1	EA	64946	0150M00008S TYPE 2 FAN BLADE	
1	EA	64686	0151K00000S GAS PRESSURE TEST KIT	
1	EA	63378	0151M00004S TXV VALVE-R410A 0151M00004	
1	EA	63380	0151M00010S TXV VALVE-R410A	
1	EA	63379	0151M00011 TXV VALVE-R410A	
1	EA	63350	0151M00014S GAS VALVE HONEYWELL 2-STAGE	
1	EA	64469	0151M00018S REV VALVE W/COIL (B1227315S)	
1	EA	64584	0151M00020S REV VALVE W/COIL (B1227317S)	
1	EA	64575	0151M00021S REVERSING VALVE (B1227318S)	
2	EA	65041	0151R00002P SUCTION VALVE	
2	EA	65043	0151R00003P SUCTION VALVE	
1	EA	67855	0154F00001P GASKET F/COLLECTOR BOX	
5	EA	64681	0162R00009 CLG STEEL DRIER B1219222	
2	EA	65871	0171M00001S INDUCER MOTOR 0171M00000S	
1	EA	63394	0231K00041 BLOWER MOTOR 1HP PROG X13	
4	EA	64928	024-25837-700 CONTACTOR 1P-40-24V	
1	EA	64301	0257F00066 HEAT EXCH ASSY	
1	EA	64312	0257F00067 HEAT EXCH ASSY 1821231S	
1	EA	64308	0257F00074 6-CELL HEAT EXCH ASSY 1921205S	
1	EA	69916	0257F00075 4-CELL 17IN HEAT EXCHANGER 1921206S	
1	EA	68018	0257F00172S HEAT EXCHANGER 20317342	
1	EA	63351	0259M00004 ADAPTER HARNESS	
1	EA	67943	0270K00012 HORIZONTAL INSTALLATION KIT	
1	EA	60402	10123533 ROLLOUT SWITCH	
1	EA	61461	10123536 MANUAL RESET LIMIT	
1	EA	64764	10123537 ROLLOUT SWITCH	
1	EA	63357	10135604 RELAY	
1	EA	68153	10735102S BURNER	
1	EA	65881	11091202S 1/3 HP 3 SP 6 PL MOTOR	
1	EA	65131	11091203S 1/3 HP 3SP 6PL FAN MOTOR	
1	EA	65880	11091204S 1/2 HP 3 SP 8 PL MOTOR	
1	EA	68015	11177118 PRESSURE SWITCH	
1	EA	64829	12786 40/5 MFD 440V DUAL ROUND CAPACITOR CAP050400440RTS	
1	EA	65726	13500906GBS 3/4 HP ECM MOTOR END BELL	
1	EA	66840	1368430S MOTOR CAP ASSY	
1	EA	66841	1368431S MOTOR CAP ASSY	
1	EA	69983	1370908S 160F 7IN LIMIT SWITCH	
1	EA	69986	1370912S 240F 7IN LIMIT SWITCH	
1	EA	65689	1523620P 20" METAL DRAIN PAN	
1	EA	64535	18210HS HEAT EXCHANGER CELL	
1	EA	64536	1821236S HEAT EXCH ASSY	
5	EA	68155	20162904 LIMIT	
1	EA	68159	20162908 LIMIT	
1	EA	67857	20170804AS FLUE COLL BOX	

Parts (Continued from the Previous Page)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	67877	20170903AS FLUE COLL BOX	
1	EA	67878	20170905AS FLUE COLL BOX	
1	EA	67885	20171001AS FLUE COLL BOX	
1	EA	67931	20171003AS FLUE COLL BOX	
1	EA	68022	20194418 HEAT EXCHANGER	
1	EA	68023	20194419 HEAT EXCHANGER	
1	EA	68024	20194420 HEAT EXCHANGER	
1	EA	68000	20194421 HEAT EXCHANGER	
1	EA	68001	20194422 HEAT EXCHANGER	
1	EA	68149	20196401 MANIFOLD	
1	EA	68144	20196402 MANIFOLD	
1	EA	68143	20196403 MANIFOLD	
1	EA	68160	20196404 MANIFOLD	
4	EA	64782	20197308 AIR PRESSURE SWITCH	
1	EA	63354	20322603 HIGH PRESSURE CUT OUT SWITCH	
1	EA	68017	20418607 HEAT EXCHANGER	
1	EA	68140	20494515 HEAT EXCHANGER	
1	EA	68141	20494517 HEAT EXCHANGER	
1	EA	68142	20494518 HEAT EXCHANGER	
1	EA	64477	2521301S 3-CELL HEAT EXCHANGER	
1	EA	64478	2521302S 4-CELL HEAT EXCHANGER	
1	EA	64479	2521303S 5-CELL HEAT EXCHANGER	
1	EA	64480	2521304S 6-CELL HEAT EXCHANGER	
1	EA	64481	2521305S 3-CELL HEAT EXCHANGER	
1	EA	65023	2820004S FLUE COLL BOX ASSY	
1	EA	65027	2821300S 3 CELL HEAT EXCHANGER	
1	EA	65028	2821301S 4 CELL HEAT EXCHANGER	
1	EA	65029	2821302S 5 CELL HEAT EXCHANGER	
1	EA	65030	2821303S 6 CELL HEAT EXCHANGER	
1	EA	69942	2864604S 14" SECONDARY HEAT EXCHANGER	
1	EA	69943	2864605S 17" SECONDARY HEAT EXCHANGER	
1	EA	69944	2864606S 21" SECONDARY HEAT EXCHANGER	
1	EA	69959	2864607S 24" SECONDARY HEAT EXCHANGER	
4	EA	63353	2P-30-24 CONTACTOR 25AMP 2P 24V	
1	EA	64505	33232 SEQUENCER A-12&15KW B1256553	
1	EA	94467	33233 ELECTRIC HEAT SEQUENCER B1256554	
1	EA	64540	33241 SEQUENCER A-5KW B1256551	
1	EA	64504	33244 SEQUENCER A-8&10 KW B1256552	
1	EA	64510	33247 EEP TIME DELAY RELAY B1370738	
1	EA	69961	36G22-254 B10151M00013S GAS VALVE B1282628	
1	EA	69255	4021301S 3 CELL 14" HEAT EXCHANGER	
1	EA	69256	4021302S 3 CELL 17.5" HEAT EXCHANGER	
1	EA	69258	4021304S 4 CELL 21" HEAT EXCHANGER	
1	EA	69259	4021305S 5 CELL 21" HEAT EXCHANGER	
1	EA	69260	4021306S 6 CELL 24.5" HEAT EXCHANGER	
1	EA	69298	4021308S 3 CELL 17.5" HEAT EXCHANGER	
1	EA	69300	4021310S 4 CELL 21" HEAT EXCHANGER	
1	EA	69302	4021312S 6 CELL 24" HEAT EXCHANGER	
1	EA	69938	4022701S 3 CELL BURNER (BECKETT)	
1	EA	65037	41-311 WRC23K IGNITOR KIT	
2	EA	65049	4053501S CHIMNEY B2523500	
1	EA	69887	4810004S COLLECTOR BOX	
1	EA	69888	4810005S COLLECTOR BOX	
1	EA	69261	4821400S 2 CELL 14" HEAT EXCHANGER	
1	EA	69262	4821401S 3 CELL 14" HEAT EXCHANGER	
1	EA	69263	4821402S 4 CELL 17.5" HEAT EXCHANGER	
1	EA	69264	4821403S 5 CELL 21" HEAT EXCHANGER	
2	EA	64697	50M56-743 PCBBF132S CONTRL BRD PCBBF122S PCBBF109S	
1	EA	64320	B1086749 20IN 3 BLADE 30 DEGREE FAN BLADE	
1	EA	64954	B1086765S FAN BLADE	
1	EA	64597	B1100054 ELECRONIC CTL BOX	
1	EA	64684	B1100057 REMOTE CTL	
1	EA	64534	B1141660 TRANSFORMER B1141644	
1	EA	64324	B1170553 FUSE	
1	EA	64613	B1172600 18IN THERMOCOUPLE	
10	EA	64866	B1172601 SENSOR-SPARK IGNITION	
1	EA	64456	B1213257 FLOWRATOR ASSY	
1	EA	64458	B1213468 FLOWRATOR ASSY	
1	EA	64460	B1213682 FLOWRATOR ASSY	

Parts (Continued from the Previous Page)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64461	B1213684 FLOWRATOR ASSY	
1	EA	64463	B1219201S FILTER DRIER	
1	EA	61467	B1219212 CLG STEEL DRIER	
1	EA	64475	B1219221 FILTER DRIER	
2	EA	61466	B1219225 CLG STEEL DRIER	
1	EA	63374	B1219301 MUFFLER 1/2 X 1/2	
1	EA	64558	B1225017 SOLENOID COIL	
1	EA	64627	B1226006 DEFROST TIMER	
1	EA	64582	B1226207 ACCUMULATOR	
1	EA	64818	B1243733 CRANKCASE HEATER	
1	EA	64661	B1282619 GAS VALVE	
1	EA	64537	B1313245 FLOWRATOR ASSY	
1	EA	64841	B13400251S 1/6HP MOTOR 208/230V 1 SP	
1	EA	64353	B13400316S 1/2 HP MOTOR 460V 2 SP	
1	EA	69309	B13400912GBS 3/4HP MOTOR DIRECT DRIVE B13400909GB	
1	EA	64482	B1360308 RELAY	
1	EA	64485	B1360719 LOW PRESS SWITCH	
1	EA	64877	B1368034S 10X6 BLOWER WHEEL	
1	EA	64879	B1368046S 6X10 BLOWER WHEEL	
2	EA	64542	B1368047A 10X10 BLOWER WHEEL	
1	EA	64620	B1370100 AUX LIMIT	
1	EA	64529	B1370106 275F SPILLAGE SWITCH	
1	EA	64530	B1370108 300F FLAME ROLLOUT SWITCH	
1	EA	64545	B1370109 150F STK OVERTEMP SWITCH	
1	EA	64930	B1370113 120F LIMIT	
1	EA	64586	B1370126 AIR PRESS SWITCH	
1	EA	65107	B1370130 AIR PRESS SWITCH	
1	EA	65108	B1370131 AIR PRESS SWITCH	
1	EA	64901	B1370146 STK OVER TEMP SWITCH	
1	EA	64902	B1370148 AIR PRESS SWITCH 3 CELL	
1	EA	64903	B1370150 AIR PRESS SWITCH 5 CELL	
1	EA	64936	B1370154 ROLLOUT SWITCH	
1	EA	64523	B1370155 AUX LIMIT	
1	EA	64354	B1370156 AIR PRESS SW 1.4"WC	
1	EA	64407	B1370157 AIR PRESS SW .38"WC	
1	EA	69892	B1370186 LIMIT SWITCH	
1	EA	69271	B1370188 170F LIMIT SWITCH	
1	EA	69272	B1370189 200F LIMIT SWITCH	
1	EA	69278	B1370195 300F LIMIT SWITCH	
10	EA	65583	B1370198 LIMIT SWITCH	
1	EA	65713	B1370201 AIR PRESSURE SWITCH 2 STAGE	
1	EA	65719	B1370203 AIR PRESSURE SWITCH 2 STAGE	
1	EA	65720	B1370204 AIR PRESSURE SWITCH 2 STAGE	
1	EA	69314	B1370207 130F PRIMARY LIMIT	
1	EA	69921	B1370253 STK OVERTEMP SWITCH W/SHEATH	
1	EA	69915	B1370254 160F STK OVERTEMP SWITCH	
1	EA	64488	B1370300 MOTOR PROTECTOR 2 SPD	
1	EA	64489	B1370500 TIMER	
1	EA	64490	B1370501 TIMER	
1	EA	64654	B1370724 IGN MODULE	
1	EA	64367	B1370760 TIME DELAY	
1	EA	69967	B1370819 DOOR SWITCH	
1	EA	64917	B1388803 1/4IN TURN NYLATCH (B1392132)	
4	EA	69968	B1392146 LATCH FEMALE	
1	EA	69969	B1392148 LATCH MALE	
4	EA	64577	B1401011S PILOT ASSY HOT SURFACE	
4	EA	65687	B1401012 BURNER IGNITOR	
1	EA	64885	B1497204 ENERGY CUT OFF	
1	EA	65123	B1755919H 350F PLASTIC DRAIN PAN	
2	EA	64292	B1789849 FLOW CHK PISTON KIT	
5	EA	64349	B1789852 FLOW CHK PISTON KIT	
5	EA	64340	B1789859 FLOW CHK PISTON KIT	
5	EA	64341	B1789865 FLOW CHK PISTON KIT	
1	EA	64632	B1789868 FLOW CHK PISTON KIT	
5	EA	64633	B1789874 FLOW CHK PISTON KIT	
5	EA	64643	B1789878 FLOW CHK PISTON KIT	
1	EA	64635	B1789884 FLOW CHK PISTON KIT	
5	EA	64346	B1789893 FLOW CHK PISTON KIT	
1	EA	69804	B1796630 INLET TUBE FLOWRATOR	

Parts (Continued from the Previous Page)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64379	B1810400 RUBBER COUPLING	
1	EA	64588	B1810403 RUBBER COUPLING	
1	EA	64887	B1822500S BURNER ASSY 2 TUBE	
1	EA	64381	B1822507S BURNER ASSY 4 TUBE	
1	EA	64383	B1822509S BURNER ASSY 6 TUBE	
1	EA	64549	B1826401 MANIFOLD 3 CELL	
1	EA	64550	B1826402 MANIFOLD 4 CELL	
1	EA	64520	B1859000 1/4 HP VENT MOTOR & HOUSING	
2	EA	65102	B1859005S VENT MOTOR & HSG	
1	EA	64660	B1880005 LP SPRING KIT	
1	EA	65042	B1908109 FAN BLADE VENT 4"	
1	EA	64655	B1940001 460V VENT MOTOR 1/4HP 3000RPM	
1	EA	64689	B2526000 MANIFOLD 2 CELL GMP	
1	EA	64690	B2526001 MANIFOLD 3 CELL GMP	
1	EA	64691	B2526002 MANIFOLD 4 CELL GMP	
1	EA	64692	B2526003 MANIFOLD 5 CELL GMP	
1	EA	64693	B2526004 MANIFOLD 6 CELL GMP	
3	EA	65103	B2589342 ORIFICE #42 - GMP	
3	EA	65104	B2589343 ORIFICE #43 - GMP	
1	EA	64256	B2589356 ORIFICE #56	
1	EA	64514	B2600800S REF VAPOR DRIER SEPARATOR	
1	EA	64598	B260S8291 BEIGE SPRAY PAINT	
3	EA	69307	B260S8292 GRAY SPRAY PAINT	
1	EA	65032	B2820811 DRAIN TRAP ASSY	
1	EA	69266	B2832512 GASKET F/COIL	
1	EA	69268	B2832514 GASKET F/COIL	
1	EA	69269	B2832515 GASKET F/COIL	
1	EA	69894	B2832601 4 CELL GASKET	
1	EA	69895	B2832602 5 CELL GASKET	
1	EA	69896	B2832603 6 CELL GASKET	
1	EA	64959	B2832606 O RING	
1	EA	64971	B2833001S VENT MOTOR - FASCO	
1	EA	69290	B4026005 2 CELL GAS MANIFOLD	
1	EA	69291	B4026006 3 CELL GAS MANIFOLD	
1	EA	69292	B4026007 4 CELL GAS MANIFOLD	
1	EA	69293	B4026008 5 CELL GAS MANIFOLD	
1	EA	69294	B4026009 6 CELL GAS MANIFOLD	
1	EA	69295	B4089343 #43 GAS ORIFICE	
1	EA	69252	B4833000S VENT MOTOR F/GMNT	
1	EA	64607	B9266296 3PH 208/230V COMP W/CCH H23A463DBLA	
1	EA	69848	B9266837AS COMPRESSOR	
1	EA	65851	BT1340045S 3/4 HP ECM MOTOR	
1	EA	65075	BT5076503DF EXTRA LARGE DRAIN PAN BT5076503	
1	EA	66358	BT9266204S COMPRESSOR BRISTOL	
1	EA	64518	CAP050000370VAS 5X370 CAPACITOR B945650	
1	EA	64609	CAP075000370VAS 7.5X370 CAPACITOR B945651	
1	EA	64610	CAP100000370VAS 10X370 CAPACITOR B945652	
1	EA	64611	CAP150000370VAS 15X370 CAPACITOR B945653	
1	EA	69308	CAP250000370RPS 25/370 CAPACITOR B945666	
20	EA	64618	CHTS36-60 2 SPEED THERMOSTAT	
1	EA	64848	CONT3P040024VS CONTACTOR B1360335	
1	EA	65044	CR14K6PFV875 COMPRESSOR CR14K7PFV970	
1	EA	64495	CR18K6PFV875 COMPRESSOR CR18K6PFV960	
1	EA	64574	CR22K6PFV960 COMPRESSOR CR22K6PFV920	
1	EA	64623	CR38K6PFV875 COMPRESSOR CR38K6PFV960	
1	EA	61878	CR42K6PFV960 COMPRESSOR - GOODMAN	
2	EA	45028	CTK01AA CN COMMUNICATING CONTROL	
1	EA	64759	CVK-00 CONCENTRIC VENT KIT - 2IN	
1	EA	68195	D6723302S BLOWER WHEEL	
1	EA	65053	DFTD-1 DEFROST TIME DELAY	
5	EA	69603	FIL18-32 WASHABLE FILTER	
5	EA	69604	FIL36-42 WASHABLE FILTER	
5	EA	69605	FIL48-61 WASHABLE FILTER	
1	EA	64921	HK15-1 ELEC HEAT KIT	
1	EA	64922	HK20-1 ELEC HEAT KIT	
2	EA	69319	PCBBF107S CONT.BRD. HSI 2STAGE PCBBF106S	
1	EA	64667	PCBEM102S CONTROL BOARD B1368274	
1	EA	63377	PCBHR103S CONTROL BOARD 2ST PCBHR102S	
1	EA	61453	PCBKF102S CONTROL BOARD PCBKF101S	

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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25	EA	83335	SVCK01 SERVICE VALVE KIT	
1	EA	65080	UTT-01 ULTRA CHECK-EZ TOOL	
1	EA	64657	XV-60 EXPANSION VALVE KIT	
1	EA	65064	ZP16K5EPFV830 COMPRESSOR - GOODMAN	
1	EA	65082	ZP20K3EPFV930 COMPRESSOR ZP20K5EPFV830	
1	EA	65033	ZP21K5EPFV830 COMPRESSOR - GOODMAN	
1	EA	65034	ZP26K3EPFV930 COMPRESSOR - GOODMAN	
1	EA	65084	ZP29K5EPFV830 COMPRESSOR - GOODMAN	
1	EA	65038	ZP31K5EPFV830 COMPRESSOR - GOODMAN	
1	EA	65067	ZP34K5EPFV830 COMPRESSOR - GOODMAN	
1	EA	65078	ZP39K5EPFV830 COMPRESSOR - GOODMAN	
1	EA	63384	ZP39K5ETF5830 COMPRESSOR	
1	EA	65069	ZP51K5EPFV830 COMPRESSOR - GOODMAN	
1	EA	63385	ZP51K5ETF5830 COMPRESSOR	
1	EA	63364	ZPS20K4EPFV930 COMPRESSOR	
1	EA	63366	ZPS40K4EPFV930 COMPRESSOR	
1	EA	65087	ZPS51K4EPFV930 COMPRESSOR - GOODMAN	
1	EA	65063	ZR28K5PFV800 COMPRESSOR ZR28K3PFV930	
1	EA	64532	ZR38K5PFV800 COMPRESSOR ZR36K3PFV930	
1	EA	61877	ZR57K3PFV930 COMPRESSOR ZR57K3PFV950	
1	EA	64859	ZR57KCTF5930 3PH 208/230 COMP B9266353 - GOODMAN	
1	EA	63396	B13400704ABS VARIABLE SPEED MOTOR	
1	EA	63397	730049-2001-10S COMPRESSOR - BRISTOL	
1	EA	63398	730027-2001-10S COMPRESSOR - BRISTOL	
1	EA	63399	730030-2001-10S COMPRESSOR - BRISTOL	
1	EA	64433	CAP050200440RSS DWG ROUND CAPACITOR	
1	EA	64515	1821232S HEAT EXCH ASSY	
1	EA	64527	B1401003S PILOT ASSY SPARK	
1	EA	64544	ZR42K5PFV800 COMPRESSOR ZR40K3PFV930	
1	EA	64602	ZR21K5PFV800 COMPRESSOR ZR22K4PFV930	
4	EA	64824	CONT2P040024VS CONTACTOR 40A @ 240V B1360305	
1	EA	64825	CONT3P025024VS 277V CONTACTOR 25A 3P B1360315	
1	EA	64861	B1789059 ORIFICE UC24	
1	EA	65058	ZR54K5PFV800 COMPRESSOR ZR54K3PFV930	
1	EA	65059	ZR16K5PFV800 COMPRESSOR ZR16K4PFV930	
8	EA	66825	WAD-2 WALL ACCESS DOOR	
8	EA	66827	WAD-1 WALL ACCESS DOOR	
1	EA	66828	LPM-04 LP CONV KIT	
1	EA	66836	LPT-01A LP CONV KIT F/GMNT	
1	EA	66850	CR42K6TF5960 COMPRESSOR 3 PHASE - GOODMAN	
1	EA	66877	FTK04 TWINNING KIT	
1	EA	68179	20197312 PRESSURE SWITCH	
1	EA	69471	LA-01 LOW AMBIENT KIT	
6	EA	69562	2P-30-24 CONTACTOR CONT2P030024VS	

Honeywell 6066 Portable Generator

2000 Watts, Inverter



- Inverter technology provides lightweight, quiet, fuel-efficient portable power
- EcoMode™ automatically adjusts engine speed to respond to the amount of power needed. This results in fuel savings and reduced noise.
- Microprocessor controls provide the clean power needed to run sensitive electronics like a computer or television
- Low oil shutdown and electronic overload protection for secure operation

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83527	6066 2000 WATT PORTABLE INVERTER GENERATOR	

Honeywell 6036 Portable Generator

5500 Watts



- OHV engine is designed for long life with cast iron sleeves and low oil shutdown
- User-friendly design has conveniently placed controls and simple illustrated operating instructions for easy start-up
- Large steel fuel tank requires less frequent refills so run times are extended
- Heavy-duty wheels roll easily over rough or uneven terrain

Watts Running/ Starting	Rated Amps @ 120V	Max Amps @ 120V	Enginge Type	Engine Displ. (cc)	Low Oil Shutdown	Starting Method	Outlets	Fuel Capacity (Gal)	Run Time @ 50% Load (Hrs)
5500/6875	45.8	22.9	OHV	389	Yes	Pull	(4) 5-20R 120V (1) 114-30R Twist-Lock	5.8	9.1

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83519	6036 5500 WATT PORTABLE GENERATOR	

DEWALT DXGN6000 Portable Generator

6000 Watts



- Premium alternator provides low total harmonic distortion
- Large long run metal fuel tank with fuel guage
- Hydraulic/magnetic circuit breaker provides overload protection
- Full power switch with two modes of operation: Full available 120V only or simultaneous 120/240V
- Digital meter for tracking run time and maintenance
- 3 year limited warranty

Watts Running/ Starting	Rated Amps @ 120V	Max Amps @ 120V	Enginge Type	Dimensions L x W x H (In)	Starting Method	Outlets	Fuel Capacity (Gal)	Run Time @ 50% Load (Hrs)
5300/6000	22.1	44.2	Honda 6X340	30.5 x 21.3 x 24.8	Recoil	(2) 120V GFCI (1) 120V Twist Locking (30A) (1) 120/240V Twist Locking (30A)	8	14

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83511	PD532MHI005 5300 WATT (DXGN6000) DEWALT PORTABLE GENERATOR	
1	EA	83499	DY000A0009P DEWALT SERIES WHEEL KIT	

Honeywell Standby Generators
8 and 11 kW



Features
- Innovative design and prototype testing ensure superior performance.
- Test criteria include prototype and system torsional testing; NEMA MG1-22 evaluation; and motor starting ability.
- Less than 5% total harmonic distortion. PrecisionPower™ electrical technology, provides quality utility power for worry-free operation of sensitive electronic and micro-chip based appliances.
- Digital voltage regulation at +/-1% optimizes the response to changing load conditions and maximizes motor starting capability by electronically torque-matching the surge loads to the engine.
- Honeywell transfer switches and controls allow for total system compatibility.
- Mobile Link™ cellular remote monitoring system allows the generator's status to be checked via computer, tablet, or smart phone.

Includes
- Two line LCD multilingual digital controller (English, Spanish, French, Portuguese)
- Electronic governor
- External main circuit breaker, system status, and maintenance interval LED indicators
- GFCI duplex outlet
- Weekly self-tests run in WhisperCheck™ mode which is even quieter than normal operation.
- Composite mounting pad
- Aluminum enclosure
- Base fascia
- Natural or LP gas operation
- Can be installed within 18" of a building as long as not near doors, windows, and fresh air intakes unless otherwise directed by local code
- Flexible fuel line connector
- 5-year comprehensive warranty

Specifications
- 240 Volts/60 Hz/1 Phase
- Power factor: 1
- Dimensions: 29" H x 25" W x 48" L

Model No.	kW	Rated Max Continuous Power Capacity Watts (LP/NG)	Rated Max Continuous Load Current 240V (LP/NG)	Main Line Circuit Breaker (Amps)	Poles	Sound Output @ 23 Ft (dB)	Weight (Lbs)	Battery Requirement (Not Included)
6703	8	8,000/7,000	33.33/29.16	50	1	66	421	Group 26R, 12V and 525CC Min
6442	11	11,000/10,000	45.8/41.7	50	2	63	373	Group 26 R, 12V and 525CC Min

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83513	6703 8 KW AIR-COOLED STANDBY GENERATOR	
1	EA	83515	6442 11 KW AIR-COOLED STANDBY GENERATOR	

Honeywell Standby Generators

16, 20, and 22 kW



Features

- Innovative design and prototype testing ensure superior performance.
- Test criteria include prototype and system torsional testing; NEMA MG1-22 evaluation; and motor starting ability.
- Less than 5% total harmonic distortion. PrecisionPower™ electrical technology, provides quality utility power for worry-free operation of sensitive electronic and micro-chip based appliances.
- Digital voltage regulation at +/-1% optimizes the response to changing load conditions and maximizes motor starting capability by electronically torque-matching the surge loads to the engine.
- Honeywell transfer switches and controls allow for total system compatibility.
- Mobile Link™ cellular remote monitoring system allows the generator's status to be checked via computer, tablet, or smart phone.

Includes

- Two line LCD multilingual digital controller (English, Spanish, French, Portuguese)
- Electronic governor
- External main circuit breaker, system status, and maintenance interval LED indicators
- GFCI duplex outlet
- Weekly self-tests run in WhisperCheck™ mode which is even quieter than normal operation.
- Composite mounting pad
- Aluminum enclosure
- Base fascia
- Natural or LP gas operation
- Can be installed within 18" of a building as long as not near doors, windows, and fresh air intakes unless otherwise directed by local code
- Flexible fuel line connector
- 5-year comprehensive warranty

Specifications

- 240 Volts/60 Hz/1 Phase
- Power factor: 1
- Dimensions: 29" H x 25" W x 48" L

Model No.	kW	Rated Max Continuous Power Capacity Watts (LP/NG)	Rated Max Continuous Load Current 240V (LP/NG)	Main Line Circuit Breaker (Amps)	Poles	Sound Output @ 23 Ft (dB)	Weight (Lbs)	Battery Requirement (Not Included)
6702	16	16,000/16,000	66.6/66.6	65	2	66	448	Group 26R, 12V and 525CCA Min
6262	20	20,000/18,000	83.3/75	100	2	66	451	Group 26 R, 12V and 525CCA Min
6554	22	22,000/19,500	91.6/81.3	100	2	67	526	Group 26 R, 12V and 525CCA Min

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83516	6702 16 KW AIR-COOLED STANDBY GENERATOR	
1	EA	83514	6262 20 KW AIR-COOLED STANDBY GENERATOR	
1	EA	83512	6554 22 KW AIR-COOLED STANDBY GENERATOR	

Honeywell Generator Accessories



RTG12EZA1H



RTSG/H/M



6485



GenPad

RTG12EZA1AH Transfer Switch
This pre-wired switch for use with the 11kW air-cooled generator. Integrated load center picks up emergency circuits. Useful where main service is large and only a portion of the building load will be served by the generator. 50 Amp, 250 VAC, NEMA 1, 1-phase.

RTSG Transfer Switches
The Sync transfer switches easily manage two large loads. Advanced load shedding technology creates an efficient system for a range of coverage requirements. Add up to four DLM modules for additional large load management.

RTSH Transfer Switch
Designed for use with single phase generators that utilize a Sync™ or Sync™ 2.0 Controller.

RTSM Transfer Switch
Designed to operate with the Sync™ and Sync™ 2.0 controllers used on air-cooled generators, and liquid-cooled HT & HG series gaseous generators. Smart AC module, included, manages up to 4 HVAC loads with no additional hardware.

6187 Power Management Module
Used in conjunction with the Sync Smart Switch to increase its power management capabilities. It gives the Sync Smart Switch additional power management flexibility not found in any other transfer switch.

6200 PMM Starter Kit
Consists of one 24VAC Power Management Module (PMM) and a 24VAC, field-installed transformer that enables the use of the PMM. The standard controller (without starter kit) can control two HVAC loads with no additional hardware.

6482, 6483, 6484, 6485 Maintenance Kits
These scheduled maintenance kits provide the hardware necessary to perform complete routine maintenance on a Honeywell standby generator. Included components vary depending upon the specific generator.

OJ5339 GenPad
GenPads are made specifically to fit Generac 8-22kw home standby units. They are both impact and breakage resistant with fiber and rebar reinforced concrete. They are easy to install and are half the weight of poured concrete.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83520	RTG12EZA1H 50 AMP 120/240V 1PH PRE-WIRED AUTO TRANSFER SWITCH	
1	EA	83517	RTSG100A3 100AMP 120/240V 1PH SYNC 2.0 TRANSFER SWITCH	
1	EA	83497	RTSH100A3 100 AMP 120/240V 1PH SYNC 2.0 TRANSFER SWITCH	
1	EA	83498	RTSM200A3 200 AMP 120/240V 1PH SYNC 2.0 TRANSFER SWITCH	
1	EA	83522	6187 POWER MANAGEMENT MODULE STARTER KIT	
1	EA	83521	6200 POWER MANAGEMENT MODULE STARTER KIT	
1	EA	83524	6482 8 KW MAINTENANCE KIT	
1	EA	83525	6483 11 KW MAINTENANCE KIT	
1	EA	83526	6484 13-17 KW MAINTENANCE KIT	
1	EA	83523	6485 20 & 22 KW MAINTENANCE KIT	
1	EA	83530	0J5339 54"X 31"X 3" GENPAD	

Goodman Window Air Conditioner Parts

Model No.	Condenser Fan	Overload Switch	Motor	Blower Wheel	Air Filter	Thermostat	Power Switch	Compressor	Dual Capacitor
RC05010A1D	BT1086700	BT1243708	BT1340000S	BT136800	BT136900	BT1370801	BT1370803	BT9266100S	—
RC05080A1D	BT1086700	BT1243708	BT1340000S	BT136800	BT136900	BT1370801	BT1370803	BT9266100S	—
RC05080A1X	BT1086700	BT1243708	BT1340000S	BT136800	BT136900	N/A	BT1370811	BT9266100S	—
RC06010A1D	BT1086700	BT1243708	BT1340000S	BT136800	BT136900	BT1370801	BT1370803	BT9266101S	—
RC08090A1D	BT1086700	BT1243700	BT1340001S	BT136800	BT136900	BT1370801	BT1370803	BT9266102S	BT9457002
RC10010C1D	BT1086702	BT1243700	BT1340002S	BT136802	BT136902	BT1370801	BT1370803	BT9266103S	BT9457003
RC10090A1D	BT1086700	BT1243700	BT1340001S	BT136800	BT136900	BT1370801	BT1370803	BT9266103S	BT9457002
RC10090A1X	BT1086700	BT1243700	BT1340001S	BT136800	BT136900	N/A	BT1370803	BT9266103S	BT9457002
RC12010C1D	BT1086702	BT1243702	BT1340002S	BT136802	BT136902	BT1370801	BT1370803	BT9266104S	BT9457003
RC12010C2D	BT1086702	BT1243703	BT1340003S	BT136802	BT136902	BT1370801	BT1370803	BT9266105S	BT9457004
RC14010C1D	BT1086702	BT1243704	BT1340004S	BT136802	BT136902	BT1370801	BT1370803	BT9266106S	BT9457003
RC14010C2D	BT1086702	BT1243705	BT1340003S	BT136802	BT136902	BT1370801	BT1370803	BT9266107S	BT9457004
RC18010C2D	BT1086702	BT1243706	BT1340005S	BT136802	BT136902	BT1370801	BT1370803	BT9266108S	BT9457002
RC18090C2L	BT1086702	N/A	BT1340005S	BT136802	BT136902	BT1370805	BT1370806	BT9266201S	BT9457006
RC18090C2X	BT1086702	N/A	BT1340005S	BT136802	BT136902	N/A	BT1370811	BT9266201S	BT9457006
RC24085C2D	BT1086702	N/A	BT1340005S	BT136803	BT136902	BT1370801	BT1370803	BT9266200S	BT9457005
RE14010C2D	BT1086702	BT1243705	BT1340003S	BT136802	BT136902	BT1370801	BT1370803	BT9266107S	BT9457004
RE18010C2D	BT1086702	BT1243706	BT1340005S	BT136802	BT136902	BT1370801	BT1370803	BT9266201S	BT9457006

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66360	BT9266100S COMPRESSOR	
1	EA	66361	BT9266101S COMPRESSOR	
1	EA	66362	BT9266102S COMPRESSOR	
1	EA	66363	BT9266103S COMPRESSOR	
1	EA	66365	BT9266105S COMPRESSOR	
1	EA	66368	BT9266200S COMPRESSOR	
1	EA	66369	BT9266201S COMPRESSOR	
1	EA	66370	BT1086700 10IN COND FAN	
1	EA	66373	BT1243702 OVERLOAD SWITCH	
1	EA	66377	BT1243708 OVERLOAD SWITCH	
1	EA	66378	BT1340000S 1/15HP 115V MOTOR	
1	EA	66380	BT1340002S 1/8HP 115V MOTOR	
1	EA	66381	BT1340003S 1/15HP 208/230V MOTOR	
1	EA	66382	BT1340004S 1/5HP 115V MOTOR	
1	EA	66385	BT1368002 BLOWER WHEEL	

FRIEDRICH

Kühl Series Room Unit Air Conditioners

Building Energy Management Capabilities



- Robust, commercial grade fan motor
- Aluminum rear grille protects unit from damage
- Aluminum endplates prevent rust on buildings
- Fins with sine wave, lanced louvers increase energy efficiency by increasing surface area for heat exchange.
- High efficiency compressors for smooth, quiet power.
- Extra thick rubber grommets reduce motion and sound
- Built-in programmable 7 day thermostat
- 4 cooling and 4 fan-only speeds
- 8-way air flow control
- Can be wired to a wall thermostat



Plug Type A:125 Volt 15 Amp



Plug Type B:250 Volt 15 Amp



Plug Type C:250 Volt 20 Amp



Plug Type D:250 Volt 30 Amp

Sleeve	Dimensions H x W (In.)	Depth Hood to Louvers (In.)	Min. Ext. into Room (In.)	Min.Ext. Outside (In.)	Min. Window Width (In.)	Max. Window Width (In.)	Thru-the-wall Finished Hole Height (In.)	Thru-the-wall Finished Hole Width (In.)
Q	14 x 19-3/4	8-1/2	5-1/2	10-3/4	22	42	14-1/4	20
S	15-15/16 x 25-15/16	8-3/4	5-3/4	16-15/16	27-3/8	42	16-3/16	26-3/16
M	17-15/16 x 25-15/16	8-3/4	5-3/4	16-15/16	27-3/8	42	18-3/16	26-3/16
L	20-3/16 x 28	16-1/2	5-3/8	18-15/16	29-7/8	42	20-3/8	28-1/4

Cooling Only Units

Model No.	BTU	Volts	EER	Cool Amps	Cooling Watts	Removes Pints/Hr.	CFM	Sleeve	Ship Wt. (Lbs)
SQ08N10D*	7,500	115	10.7	6.1	700	1.2	240	Q	84
SS10N10C*	9,500	115	11.2	7.7	848	2	260	S	136
SS12N10C*	12,000	115	11.3	9.7	1062	3	300	S	134
SS14N10C*	14,000	115	10.8	12	1239	4	275	S	138
SS12N30*	11,500/11,200	230/208	11.4	4.8/4.9	1055/1027	2.8	275	S	134
SM18N30B*	17,500/17,200	230/208	10.7	7.4/8	1635/1607	4.6	350	M	154
SL24N30C*	23,500/23,300	230/208	9.8	10.8/11.4	2449/2429	7	640	L	212
SL36N30*	36,000/35,700	230/208	8.5	19/20.5	4235/4200	12	725	L	227

* Energy Star Models

Cooling & Electric Heat Units

Model No.	BTU	Heating BTU	Volts	EER	Cool Amps	Cooling Watts	Heating Amps	Heating Watts	Removes Pints/Hr.	CFM	Sleeve	Ship Wt. (Lbs)
ES12N33B	1,500/11,200	10,700/8,900	230/208	11.3	4.9/5.2	1062/1062	16/14.7	3500/2900	3.4	325	S	128
EM18N34A	17,500/17,200	13,000/10,600	230/208	10.7	7.4/8.0	1635/1617	19.5/17	4200/3500	4.6	350	M	158
EL24N35	23,500/23,300	13,000/10,600	230/208	9	10.8/11.4	2449/2449	24/22.4	5500/4650	7.0	640	L	212

Kühl Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	86957	SQ08N10D 7900 BTU R410A 115V WINDOW A/C		
1	EA	86951	SS10N10C 9700 BTU R410A 115V WINDOW A/C		
1	EA	86952	SS12N10C 12000 BTU R410A 115V WINDOW A/C		
1	EA	86954	SS14N10C 14000 BTU R410A 115V WINDOW A/C		
1	EA	86953	SS12N30C 12000 BTU R410A 230/208V WINDOW A/C		
1	EA	86955	SM18N30B 17500/17200 BTU R410A 230/208V WINDOW A/C		
1	EA	86956	SL24N30C 24000/23800 BTU R410A 230/208V WINDOW A/C		
1	EA	86657	SL36N30B 36000/35500 BTU 410A 230/208V WINDOW A/C		

Kühl Units with Electric Heat

1	EA	86658	ES12N33B 12000/10700 BTU 410A 230/208V WINDOW A/C		
1	EA	86663	EM18N34A 17500/17200 BTU 410A 230/208V WINDOW A/C		
1	EA	86664	EL24N35 24000/23800 BTU 410A 230/208V WINDOW A/C		

Koldwave Kompac Water Cooled Air Conditioners





Koldwave portable air conditioners provide emergency, spot or supplemental cooling where and when you need it. The water-cooled Kompac units use water instead of outdoor air to reject heat. Only a small amount of water is needed as the unit has a water regulating valve to conserve water usage.

- Sleek cabinet design internally insulated with fiberglass insulation
- Control head pressure and conserve water
- Forward-curved fan with direct drive motor
- Permanent washable features
- High effiency scroll compressor
- Plate-fin evaporator coil
- Coaxial copper condenser coil
- Sealed condensate pump removes condensate automatically

Model No.	BTUs	Voltage	Amps
5WK14BEA1AAA0	14,000	115/1/605	11.6
5WK18BGA1AAA0	18,000	230/1/60	6.6
5WK26BGA1AAA0	26,000	230/1/60	10

Air Conditioners

Use with Bercor	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2
66524	1	EA	63913	5WK14BEA1AAA0 14000BTU 1T 115V 1PH PORTABLE A/C R-410A		
66524	1	EA	63914	5WK18BGA1AAA0 18000BTU 1.5TON 230V 1PH PORTABLE A/C R-410A		
63320	1	EA	63915	5WK26BGA1AAA0 26000BTU 2TON 230V 1PH PORTABLE A/C R-410A		

Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5WK26	1	EA	63320	88-SA076-3505 20 FT HOSE KIT W/PLASTIC CONNECTORS FOR 5WK26	
All 5WK Models	1	EA	81244	88SA057-0025 120/240V CONDENSATE PUMP ASSEMBLY	

HDE Series Industrial Air Conditioners



- 10 fin per inch evaporator coil.
- Coils are coated with a baked on corrosion resistant coating.
- Service doors that are removable without the use of a tool.
- Scroll compressor.
- 3-Phase voltage.
- Totally enclosed blower motor.
- A stainless steel drain pan is used to prevent rusting.
- High and low pressure switches are used to protect other costly components from damage.
- Cabinet uses 16 gauge G-90 galvanized steel.

Model	Capacity*	CFM**	Voltage (Hz)	FLA	Weight	Dimensions H x W x D (In)
SVWC3	36,000	1,200	460-3	12/13	550	73-1/2 x 42 x 23
SVWC5	60,000	2,000	460-3	15/13	550	73-1/2 x 42 x 23
SVWC5	60,000	2,000	230-3	45	550	73-1/2 x 42 x 23
SVWC8	96,000	3,200	460-3	15/21	810	75-1/2 x 55 x 29
SVWC10	120,000	4,000	460-3	15/21	905	75-1/2 x 55 x 29
SVWC15	180,000	TBA	460-3	TBA	TBA	TBA
SVWC20	240,000	TBA	460-3	TBA	TBA	TBA

* BTUH @ Max 85 degree entering water to condenser, 80/67 evaporator.

** CFM rating @ .5"sp.

R-22/R-407C Air Conditioners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63755	SVWC3-81HDE 3 TON 460 VOLT WATER COOLED A/C	
1	EA	63759	SVWC5-83HDE 5 TON 208/230 3 PHASE WATER COOLED A/C	

R-134a Air Conditioners

1	EA	89200	SVWC3-SC-51HDE 3 TON 460V 3PH R-134A WATER COOLED A/C	
1	EA	89204	SVWC5-SC-51HDE 5 TON 208/230V 3PH R-134A WATER COOLED A/C	
1	EA	89201	SVWC5-SC-51HDE 5 TON 460V 3PH R-134A WATER COOLED A/C	
1	EA	89202	SVWC8-SC-51HDC 7.5 TON 460V 3PH R-134A WATER COOLED A/C	
1	EA	89203	SVWC10-SC-51HDE 10 TON 460V 3PH R-134A WATER COOLED A/C	
1	EA	89205	SVWC15-SC-51HDE 15 TON 460V 3PH R-134A WATER COOLED A/C	
1	EA	89206	SVWC20-SC-51HDE 20 TON 460V 3PH R-134A WATER COOLED A/C	

NORDIC AIR INCORPORATED Industrial Econo Severe Duty Condensers and Air Handlers



Condensers
- Heresite coated
- 8-10 fins per inch
- Low ambient VFD
- ICC controls
- Maneurop compressor

Air Handlers
- Up to 3/4 in. static pressure
- Belt drive
- Vertical

R-22/R-407C Condensers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63760	CA3E-41LA 3 TON ECONO SEVERE DUTY CONDENSER	
1	EA	63761	CA5E-81LA 5 TON ECONO SEVERE DUTY CONDENSER	
1	EA	63762	CA7.5E-41LA 7.5 TON ECONO SEVERE DUTY CONDENSER	

R-134a Condensers

1	EA	89207	CA3E-SC-51LA 3 TON R-134A ECONO SEVERE DUTY CONDENSER	
1	EA	89208	CA5E-SC-51LA 5 TON R-134A ECONO SEVERE DUTY CONDENSER	
1	EA	89209	CA7.5E-SC-51LA 7.5 TON R-134A ECONO SEVERE DUTY CONDENSER	
1	EA	89210	CA10E-SC-51LA 10 TON R-134A ECONO SEVERE DUTY CONDENSER	

R-22/R-407C Air Handlers

1	EA	63769	AV5-81HDMC 5 TON 460 VOLT VERTICAL AIR HANDLER	
1	EA	63770	AV7.5-41HDMC 7.5 TON 460 VOLT R-22 VERTICAL AIR HANDLER	

R-134a Air Handlers

1	EA	89211	AV5-51HDMC 5 TON 460V 3PH R-134A VERTICAL AIR HANDLER	
1	EA	89212	AV7.5-51HDMC 7.5 TON 460V 3PH R-134A VERTICAL AIR HANDLER	
1	EA	89578	AV10-51HDRMC 10 TON 460V 3PH VERTICAL AIR HANDLER	
1	EA	89214	AV15-51HDMC 15 TON 460V 3PH R-134A VERTICAL AIR HANDLER	

NORDIC AIR INCORPORATED Parts and Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63724	010-00145 5KW 460/3/60 DUCT HEATER F/ SVWC3E	
1	EA	63752	010-00148 10KW 460/3/60 DUCT HEATER F/ SVWC5E,8E,10E	
1	EA	63753	010-00149 15KW 460/3/60 DUCT HEATER F/ SVWC5E,8E,10E	
1	EA	90500	034-00001 CRIMPING PLIERS EZ CLIP HAND TOOL FOR 4-12 HOSE FTGS	
1	EA	90501	034-00002 CRIMPER, HOSE, EZ CLIP HAND TOOL FOR 16 HOSE	
1	EA	90502	034-00003 CUTTER TOOL FOR GH134 HOSE.	
1	EA	90503	034-00004 FIELD REPAIR KIT FOR #6-#12 GH134 HOSE	
100	FT	90504	034-04000 HOSE #4 FC505-4, AEROQUIP, MULTI REF.	
1	EA	90505	034-04001 CAGE #4 1F40105-04C, AEROQUIP	
1	EA	90506	034-04002 CLIP #4 1F40104-04C, AEROQUIP	
1	EA	90507	034-04003 STRT FTG#4 FJ3731-0404S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90508	034-04004 90 FTG#4 EJ3533-01-0404S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90509	034-04005 45 FTG#4 EJ3534-01-0404S EZ CLIP FEM JIC 37 DEG FLARE	
100	FT	90510	034-06000 #6 HOSE GH134-6, AEROQUIP, MULTI REF	

Continued on the Following Page

Parts and Accessories (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	90511	034-06001 #6 CAGE 1F40105-06C, AEROQUIP	
1	EA	90512	034-06002 #6 CLIP 1F40104-06C, AEROQUIP	
1	EA	90513	034-06003 STRT FTG#6 FJ3731-0606S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90514	034-06004 90 FTG#6 EJ3533-02-0606S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90515	034-06005 90 FTG #6/8 EJ3533-02-0606S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90516	034-06006 45 FTG #6 EJ3534-02-0606S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90517	034-06007 45 FTG #6/8 EJ3534-03-0608S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90518	034-06008 SPICER FITTING #6 FJ3045-0606S, AEROQUIP	
100	FT	90519	034-08000 #8 HOSE GH134-8, AEROQUIP, MULTI REF	
1	EA	90520	034-08001 #8 CAGE 1F40105-08C, AEROQUIP	
1	EA	90521	034-08002 #8 CLIP 1F40104-08C, AEROQUIP	
1	EA	90522	034-08003 STRT FTG#8 FJ3731-0808S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90523	034-08004 90 FTG#8 EJ3533-04-0808S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90524	034-08005 45 FTG#8 EJ3534-04-0808S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90525	034-08006 SPLICER FITTING #8 FJ3045-0808S, AEROQUIP	
100	FT	90526	034-10000 #10 HOSE GH134-10, AEROQUIP, MULTI REF	
1	EA	90527	034-10001 #10 CAGE 1F40105-10C, AEROQUIP	
1	EA	90528	034-10002 #10 CLIP 1F40104-10C, AEROQUIP	
1	EA	90529	034-10003 STRT FTG#10 FJ3731-1010S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90530	034-01004 90 FTG #10 EJ3533-05-1010S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90531	034-10005 45 FTG #10 EJ3534-05-1010S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90532	034-10006 #10 SPLICER FITTING FJ3045-1010S, AEROQUIP	
100	FT	90534	034-12000 #12 HOSE GH134-12, AEROQUIP, MULTI REF	
1	EA	90535	034-12001 #12 CAGE 1F40105-12C, AEROQUIP	
1	EA	90536	034-12002 #12 CLIP 1F40104-12C, AEROQUIP	
1	EA	90537	034-12003 STRT FTG#12 FJ3731-1212S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90538	034-12004 90 FTG #12 EJ3533-06-1212S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90539	034-12005 45 FTG #12 EJ3534-06-1212S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90540	034-12006 #12 SPLICER FITTING FJ3045-1212S, AEROQUIP	
100	FT	90541	034-16000 #16 HOSE GH134-16, AEROQUIP, MULTI REF	
1	EA	90542	034-16001 #16 CAGE 1F40105-16C, AEROQUIP	
1	EA	90543	034-16002 #16 CLIP 1F40104-16C, AEROQUIP	
1	EA	90544	034-16003 STRT FTG#16 FJ3731-1616S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90545	034-16004 90 FTG #16 EJ3533-07-1616S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90546	034-16005 45 FTG #16 EJ3534-07-1616S EZ CLIP FEM JIC 37 DEG FLARE	
1	EA	90547	034-16006 #16 SPLICER FITTING FJ3045-1616S, AEROQUIP	
1	EA	63810	169-00007-AM WEATHERHOOD ASSEMBLY FOR 7.5/10 TON ECONO CONDENSOR	
1	EA	63764	189-00050 3 & 5 TON PLENUM ASSEMBLY FOR W/C PKG	
1	EA	63767	189-00053 8 & 10 TON PLENUM ASSEMBLY FOR W/C PKG	
1	EA	63766	189-00054(00082) 3 & 5 TON FILTER RACK W/DOOR FOR W/C PKG	
1	EA	63768	189-00083 8 & 10 TON FILTER RACK W/DOOR FOR W/C PKG	
1	EA	63807	189-00086 SPACER F/ SVWC3E,5E	
1	EA	63809	189-00087 SPACER F/ SVWC8E,10E	
1	EA	63819	MBH4000 4KW 240V 1PH DC HEATER	

Comfort-Aire® Comfort-Aire Part

Fits the Following Units	Vendor	Comfort-Aire Part No.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
—	Tec	8000-444	1	EA	63924	AH5534E 230-3 8000-444 COMPRESSOR	

FRIEDRICH

Packaged Terminal Units

Air Conditioners and Heat Pump



- Steel base pan and sleeve that are powder-coat painted to resist rust and corrosion
- End plates on both the indoor and outdoor coil are stainless steel to resist rust and corrosion
- Run-tested at the factory to reduce problems in the field
- 14 numeric service error codes stored in memory facilitate rapid unit diagnostics
- Easy access, long-life filters simplify maintenance that extends the life of the product
- Room freeze protetion initiates heat if temperature falls to 40 degrees in an unoccupied room
- Tamper-resistant grille and durable front panel with break-proof control door design
- Indoor coil frost sensor protects the compressor to lengthen the life of the unit
- 2-year full warranty on parts and labor
  5-year limited warranty on sealed refrigeratn system

Model	PDE07K	PDE09K	PDE15K
Performance Data			
Cooling BTUH	7700/7600	9000/8800	15000/14600
Power (Watts)	640/620	800/770	1530/1510
EER	12.0/12.2	11.3/11.4	9.8/9.7
Dehumidification (Pints/Hr.)	1.7	2.2	3.2
Sensible Heat Ratio	0.84	0.81	0.65
Electrical Data			
Voltage /Hz/Ph	230/208/30/1		
Volt Range	253-187		
Current (Amps)	2.8/3.0	3.7/3.9	6.7/7.5
Power Factor	0.97	0.99	0.99
Compressor LRA	19	17	32.6
Compressor RLA	2.8	3.7	6.6
Fan Motor Horsepower	0.024	0.029	0.031
Airflow Data			
Indoor CFM, High	345/315	360/345	385/375
Indoor CFM, Med.	320/290	330/305	360/330
Indoor CFM, Low	295/265	300/270	320/290
Vent CFM	75	75	75
Physical Data			
Dimensions H x W x D (In.)	16 x 42 x 13-3/4	16 x 42 x 13-3/4	16 x 42 x 13-3/4
Net Weight (Lbs.)	106	111	119
Shipping Weight (Lbs.)	126	131	139
R-410A Charge (Oz.)	23.63	33.51	38.1

Air Conditioners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	86810	PDE07K3SF 7700 BTU 3KW 208/230V PTAC - R410A	
1	EA	86811	PDE09K3SF 9000 BTU 3KW 208/230V PTAC - R410A	
1	EA	86813	PDE15K5SF 15000 BTU 5KW 208/230V PTAC - R410A	

Heat Pump

1	EA	86815	PDH09K3SF 9000 BTU 3KW 208/230V PTAC HEAT PUMP - R410A	

Accessories

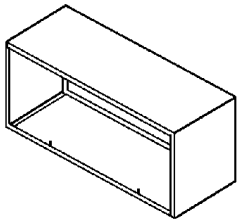
1	EA	86819	PXGA OUTDOOR STD STAMP ALUM GRILLE	
10	EA	86820	PXDR10 COND DRAIN KIT	
1	EA	86818	PDXWSA 16"H X 42"W X 13.75"D INSULATED WALL SLEEVE	

Packaged Terminal Air Conditioners

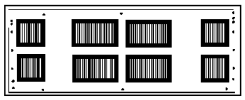
E Models



Packaged Terminal Air Conditioner



Insulated Metal Wall Sleeve



Standard Aluminum Grille

The Amana delivers application flexibility and versatility in zoned heating and cooling applications. The unit is quiet and dependable and has been built to industry-accepted dimensions in height, width, and depth. Features include remote thermostat interface and freeze protection.

Ideal for any application requiring individual zone heating and cooling such as apartments/condos, office buildings, residential additions, hotels/motels, schools, and nursing homes/hospitals.
Cooling: 7,100 through 14,200 BTUH
Heating: 6,800 through 17,100 BTUH
EER: Up to 11.6

Cooling/Electric Heat Models

Model No.	EER	Electric Heat (KW)	Voltage	Dimensions for Sleeve H x W x D (In.)	Shipping Weight (Lbs.)
PTC073E35A	11.7/11.9	3.5	230/208	16-1/16 x 42 x 14	114
PTC093E35A	11.2/11.7	3.5	230/208	16-1/16 x 42 x 14	118
PTC123E35A	10.5/10.4	3.5	230/208	16-1/16 x 42 x 14	123
PTC153E35A	9.9/9.9	3.5	230/208	16-1/16 x 42 x 14	134
PTC153E50A	9.9/9.9	5.0	230/208	16-1/16 x 42 x 14	134

Cooling/Electric Heat Models

Model No.	EER	Electric Heat (KW)	Voltage	Dimensions for Sleeve H x W x D (In.)	Shipping Weight (Lbs.)
PTC073E35A	11.7/11.9	3.5	230/208	16-1/16 x 42 x 14	114
PTC093E35A	11.2/11.7	3.5	230/208	16-1/16 x 42 x 14	118
PTC123E35A	10.5/10.4	3.5	230/208	16-1/16 x 42 x 14	123
PTC153E35A	9.9/9.9	3.5	230/208	16-1/16 x 42 x 14	134
PTC153E50A	9.9/9.9	5.0	230/208	16-1/16 x 42 x 14	134

Packaged Terminal Air Conditioners—R-410A

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83500	PTC073E35AXXX 7600 BTU 208/230V 3.5KW PTAC - R410A	
1	EA	83501	PTC093E35AXXX 8700 BTU 208/230V 3.5KW PTAC - R410A	
1	EA	83502	PTC123E35AXXX 11500 BTU 208/230V 3.5KW PTAC - R410A	
1	EA	83503	PTC153E35AXXX 14000 BTU 208/230V 3.5KW PTAC - R410A	
1	EA	83504	PTC153E50AXXX 14000 BTU 208/230V 5 KW PTAC - R410A	

Accessories and Service Parts

1	EA	67797	22312903 208/230 VOLT 3.5 KW HEAT STRIP	
1	EA	67798	22312904 208/230 VOLT 5 KW HEAT STRIP	
1	EA	67803	PWHK01B UNIVERSAL PTAC WIRING HARNESS KIT	
1	EA	67802	RSKP0009 CONTROL BOARD FOR AMANA PTAC WAS -008	
1	EA	67176	SGK01B STD STAMP ALUM OUTDOOR GRILLE	
1	EA	67175	WS900E 42"X16" INSUL WALL SLEEVE (D)	

E Model Heat Pump Packaged Terminal Units



The "E" Model Heat Pump Packaged Terminal Unit can reduce energy bills up to 25% over older, high efficient Amana units. Amana engineers have made their electronic control board even more "state-of-the-art," which means increased heat pump run time and reduced heating watts.

Industry Leading 1-5-5 Warranty

- 1-year full on the entire unit.
- 5-year full on the entire sealed system.
- 5-year functional parts warranty.

Outstanding Energy Efficiences

- EERs up to 11.6.
- COPs up to 3.3.
- Minimize electrical consumption and qualify for many rebates from power companies.

Room Freeze Protection

Reduce broken water pipes or fixtures caused by freezing temperatures. When the unit senses 40° F, the fan and electric of hydronic heat are automatically activated.

Large, Easy to Use Controls

No complex controls to confuse your guests and create phone calls for your manager. Controls are easy to read, understand, and activate.

Extremely Quiet Operation

The unit's state of the art design and construction provide a quiet environment for guests.

Heat Pump Models

Model No.	BTUH Cooling	EER	Reverse Cycle Heating BTUH	COP	Voltage
PTH073E35A	7,600/7,500	11.7/12.1	6,800/6,800	3.3/3.3	230/208
PTH093E35A	9,000/8,900	11.7/11.6	8,300/8,100	3.3/3.3	230/208
PTH123E35A	11,500/11,100	10.5/10.4	10,900/10,500	3.1/3.1	230/208
PTH153E**A	14,000/13,900	9.6/9.5	13,500/13,300	2.9/2.9	230/208

NOTE: The asterisks (**) in the model number are the electric heat designator: either no-heat or a standard heater selections (2.0 kW to 5.0 kW in 230V or 265V.)

Packaged Terminal Units—R-410A

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83505	PTH073E35AXXX 7600 BTU 208/230V 3.5KW PTAC HEAT PUMP - R410A	
1	EA	83506	PTH093E35AXXX 9000 BTU 208/230V 3.5KW PTAC HEAT PUMP - R410A	
1	EA	83507	PTH123E35AXXX 11500 BTU 208/230V 3.5KW PTAC HEAT PUMP - R410A	
1	EA	83508	PTH153E35AXXX 14000 BTU 208/230V 3.5KW PTAC HEAT PUMP - R410A	
1	EA	83509	PTH153E50AXXX 14000 BTU 208/230V 5KW PTAC HEAT PUMP - R410A	

Drain Kit

1	EA	67178	DK900D AMANA PTAC DRAIN KIT	

Aprilaire® Accessories for 1700 Series Whole-House Dehumidifiers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	70017	6508 NORMALLY CLOSED CONTROL DAMPER 1750 & 1770	
1	EA	70018	6608 NORMALLY OPEN CONTROL DAMPER 1750 & 1770	
1	EA	70019	8027 24 VOLT POWER ADAPTER 1700	

Aprilaire® 1800 Series Whole-House Dehumidifiers



1850F

Series Features

The 1830, 1850, and 1870 ducted models have the ability to bring in fresh air through a 6" round duct and 6" round normally closed damper. Built-in controls adjust the amount of fresh air that is let in.

- Drain Connection: 3/4" PVC
- Filters: 1/2" Washable, MERV 8
- Duct Collars: 10" Diameter
- 5 Year Warranty
- Energy Star qualified



1830/1850

Model 1830

- For smaller homes, townhomes, condominiums, and crawl spaces.
- 70 pints per day capacity
- Airflow at 0.2" w.c. external static pressure: 120 CFM
- Weight: 67 lbs.
- Dimensions: 12.5" W x 14.5" H x 25" L
- Inlet/Outlet Duct Collars: 10" Diameters

Model 1850

- For whole-home dehumidification, basements, crawl spaces, and sealed attics.
- 95 pints per day capacity.
- Airflow at 0.2" w.c. external static pressure: 230 CFM
- Weight: 75 lbs.
- Dimensions: 12.5" W x 14.5" H x 27.5" L

Model 1850F

- A free-standing model for non-ducted applications.
- 95 pints per day capacity.
- Air flow at 0.0" w.c. external static pressure: 245 CFM
- Weight: 70 lbs.
- Dimensions: 12.5" W x 14.5" H (17" with casters) x 27.5"

Model 1870

- For whole-home dehumidification, basements, crawl spaces, and sealed attics.
- 130 pints per day capacity.
- Air flow at 0.0" w.c. external static pressure: 310 CFM
- Weight: 113 lbs.
- Dimensions: 19.49" W x 19.36" H x 36.07" D

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	70081	1830 70 PINT WHOLE HOUSE DEHUMIDIFIER	
4	EA	70082	1850 95 PINT WHOLE HOUSE DEHUMIDIFIER	
4	EA	70083	1850F 95 PINT/DAY FREE STANDING DEHUMIDIFIER	
4	EA	70084	1870 130 PINTS/DAY DEHUMIDIFIER	

1800 Series Whole-House Dehumidifiers



1850F

Series Features

The 1830, 1850, and 1870 ducted models have the ability to bring in fresh air through a 6" round duct and 6" round normally closed damper. Built-in controls adjust the amount of fresh air that is let in.

- Drain Connection: 3/4" PVC
- Filters: 1/2" Washable, MERV 8
- Duct Collars: 10" Diameter
- 5 Year Warranty
- Energy Star qualified



1830/1850

Model 1830

- For smaller homes, townhomes, condominiums, and crawl spaces.
- 70 pints per day capacity
- Airflow at 0.2" w.c. external static pressure: 120 CFM
- Weight: 67 lbs.
- Dimensions: 12.5" W x 14.5" H x 25" L
- Inlet/Outlet Duct Collars: 10" Diameters

Model 1850

- For whole-home dehumidification, basements, crawl spaces, and sealed attics.
- 95 pints per day capacity.
- Airflow at 0.2" w.c. external static pressure: 230 CFM
- Weight: 75 lbs.
- Dimensions: 12.5" W x 14.5" H x 27.5" L

Model 1850F

- A free-standing model for non-ducted applications.
- 95 pints per day capacity.
- Air flow at 0.0" w.c. external static pressure: 245 CFM
- Weight: 70 lbs.
- Dimensions: 12.5" W x 14.5" H (17" with casters) x 27.5"

Model 1870

- For whole-home dehumidification, basements, crawl spaces, and sealed attics.
- 130 pints per day capacity.
- Air flow at 0.0" w.c. external static pressure: 310 CFM
- Weight: 113 lbs.
- Dimensions: 19.49" W x 19.36" H x 36.07" D

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	70081	1830 70 PINT WHOLE HOUSE DEHUMIDIFIER	
4	EA	70082	1850 95 PINT WHOLE HOUSE DEHUMIDIFIER	
4	EA	70083	1850F 95 PINT/DAY FREE STANDING DEHUMIDIFIER	
4	EA	70084	1870 130 PINTS/DAY DEHUMIDIFIER	

Honeywell TrueDRY™ Dehumidification Systems



The TrueDRY™ dehumidification systems are integrated into your HVAC equipment. It can also be used as a standalone solution to quietly remove moisture from specific areas, improve comfort and eliminate the need for maintenance. The TrueDRY™ uses R-410A refrigerant and conforms to EPA standards for refrigerants.

- MERV 11 filtration.
- Top or side-ducted exhaust
- Energy Star Rated

Model No.	Capacity (Pints)	Home Size	Application	Key Features	Refrigerant	Electrical Rating	Size (In.)
DR65A	65	2-3 ton system. Approx. 1800 sq ft.	Smaller homes, condos, townhomes, crawlspaces, basements and attics	Compact size, onboard control, intuitive wiring, easy access service panels, e-coated and coil	R-410A	110-120V, 5.2 amps, 60 Hz, grounded	Width: 15.5 Height: 17.25 Length no collars: 21 Length with collars: 28.5
DR90A	90	3-4 ton system. Approx. 2800 sq ft.	Single homes, multi-family homes, and larger homes	Built-in ventilation port, e-coated and coil	R-410A	110-120V, 6.3 amps, 60 Hz, grounded	Width: 14.25 Height: 19.25 Length no collars: 25.35 Length with collars: 32.35
DR120A	120	4-5 ton system. Approx. 3600 sq ft.	Larger homes, light commercial	High capacity dehumidification, ventilation and air filtration e-coated and coil	R-410A	110-120V, 8.1 amps, 60 Hz, grounded	Width: 14.25 Height: 21.25 Length no collars: 25.35 Length with collars: 32.35

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78260	DR65A2000/U WHOLE HOUSE DEHUMIDIFIER	
1	EA	78261	DR90A2000/U WHOLE HOUSE DEHUMIDIFIER	
1	EA	78262	DR120A2000/U WHOLE HOUSE DEHUMIDFIER	

Honeywell Accessories for DR65A Whole-House Dehumidifier

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	78171	50018994-001/U 1" MERV 11 FILTER FOR THE DR/DH90	
1	EA	78172	50018995-001 10" BACK DRAFT DAMPER FOR THE DR/DH90	
1	EA	78173	EARD6 6" AUTOMATED VENTILATION DAMPER FOR THE DR/DH 90	

GENERALAire Whole House Dehumidifiers

Residential



DH75



DH100

DH Series Features

- LCD touch screen display with Wi-Fi
- AFCI Power Cord
- 120 VAC, 60 Hz power supply
- 1/2" foil-faced fiberglass with closed-cell foam
- Heavy duty, injection molded drain pan
- Less than 55 dB (unducted)
- 5-year warranty

DH75

- Capacity: 75 pints per 24 hours
- Air Flow: 180 CFM
- Dimensions: 12.75" H x 12.6" W x 21" D
- Weight: 58 lbs.
- Energy Factor: 2.4 liters/KWH
- Duct Connections: 8" diameter

DH100

- Capacity: 100 pints per 24 hours
- Air Flow: 220 CFM
- Dimensions: 15.75" H x 12.6" W x 21" D
- Weight: 65 lbs.
- Energy Factor: 2.6 liters/kwh
- Duct Connections: 10" diameter

Dehumidifiers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	45733	DH75 5333 WI-FI CONTROL 75 PTS PER DAY WHOLE HOUSE DEHUMIDIFIER	
1	EA	45734	DH100 5334 WI-FI CONTROL 100 PTS PER DAY WHOLE HOUSE DEHUMIDIFIER	

Replacement Media for DH70 & DH95

12	EA	40037	7133 MERV11 11.75X11.75X1.75 PLEATED REPLACEMENT MEDIA FOR DH70	
12	EA	40038	7134 MERV11 13.375X13.375X1.75 PLEAT REPLACEMENT MEDIA FOR DH95	

FRIEDRICH D70BPA Portable Dehumidifier



- Top mount, digital touch controls
- Displays room temperature and humidity
- Automatic defrost cycle
- Continuous drainage operation
- Built-in drain pump can pump condensation vertically or horizontally up to a combined distance of 15"
- Removable condensate bucket with carry handle
- Precise humidity control from 30% to 90% RH
- 2-speed fan
- Low ambient operation down to 41° F
- Displays temerature in Fahrenheit or Celsius
- Automatic defrost cycle
- Built-in casters for easy mobility
- Energy Star® qualified
- 24-hour ON/OFF timer

Capacity Pints/Hour	Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
70	23-1/8 x 14-1/2 x 11-3/4	1	EA	86531	D70BPA 70 PINT 410A PORTABLE DEHUMIDIFIER		

S1C/S2C Straight Cool Condensers

1- and 2- Zone Models



- Standard cooling operation down to 60° F outside temperature for cooling only units, 32° F for heat pumps
- Side discharge with injection molded base and enclosed compressor for reduced noise
- Coil ground clearance of 12" provides added protection from the environment year round
- Front access to key components
- Industry standard R-22 refrigerant

NOTE: S1H Single Zone Heat Pump (9,000–24,000 BTU/H) models also available. Call for information.

- Easy access connections for refrigerant gauges
- Application flexibility with 100' of interconnected refrigerant piping, supporting 35' of lift
- Corrosion resistant, powder-coated steel cabinet with coil protection
- Factory installed Duratec Performance Package (09–12 only) for added compressor protection
- 2 circuit machines have fully independent circuits with compressors on each circuit
- Warranty: 1-year parts, 5-year compressor

Single Zone

Model	Cooling (Nom. BTU/H)	Heat Pump Capacity	Dimensions (In)		
			L	H	D
S1C3	30,000	N/A	38	44	15

2- Zone

Model	Cooling (Nom. BTU/H)	Dimensions (In)		
		L	H	D
S2C 9 2	21,000	32	40	15
S2C 2 2	23,000	32	40	15

S1C Condensers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62031	S1CA3000D00 30.000 BTU SINGLE ZONE STRAIGHT CL CONDENSER 208/230V	

S2C Condensers

1	EA	62036	S2SA9200D00 2-ZONE STRAIGHT COOL CONDENSER 1-9,000 / 1-12,000	
1	EA	62037	S2CA2200A00 2-ZONE STRAIGHT COOL CONDENSER (2)12,000 BTU CONN.	

Comfort-Aire® DV Ductless Split System Heat Pumps

Single-Zone, 15 SEER



The DV series offers economical zone control since only the room or area being used is conditioned and inverter technology matches the compressor speed to the room's changing temperature requirements. A wireless remote makes it easy to select both temperature and mode for the unit. Fan speed and mode can be selected so the air flow provides the comfort needed without being disruptive. All models feature three fan speeds.

Features

- Automatically adjusts to maintain a constant temperature/humidity level.
- Nano silver air filter releases silver ions that eliminate bacteria in the air while gold fin evaporator coating prevents the breeding and spreading of bacteria.
- Leak detection feature signals loss of refrigerant.
- Reverts to the last setting following a power failure.
- Auto defrost on heat pump models; sump and crankcase heaters keep warm and reduce the need for defrosting.
- 5 year warranty on compressor and 1 year on parts.

Features	**DVH09SD-0**	**DVH12SD-0**	**DVH18SD-1**	**DVH24SD-1**
Power Supply	115-1-60	115-1-60	208/230-1-60	208/230-1-60
Cooling Capacity (BTUH)	9,000	12,000	18,000	22,000
EER	9.0	9.0	9.0	9.0
HSPF/COP	8.2/3.2	8.2/3.2	8.2/3.0	8.2/3.0
Cooling Amps	8.7	11.7	8.7	10.7
Dehumidification (Pts/Hr)	2.11	2.54	3.80	5.07
Heating Capacity (BTUH)	9,000	12,000	18,000	22,000
Heating Amps	7.4	9.6	7.6	9.3
Indoor Unit				
Air Flow (CFM)	282/247/188	341/294/235	441/388/282	735/676/559
Fan Speeds (Cool/Heat/Fan)	3/3/3	3/3/3	3/3/3	3/3/3
Sound Level (dBa) H/M/L	39/35/29	39/35/29	42/39/31	49/45/39
Dimensions				
Width (In)	26-3/4	30-5/16	35-11/16	40-9/16
Height (In)	10-1/8	10-1/8	10-7/8	12-7/16
Depth (In)	7-1/8	7-7/16	7-13/16	8-5/8
Net Wt/Shipping Wt (Lbs)	15.4/17.6	16.5/20.9	19.8/25.4	26.5/33.1
Outdoor Unit				
Dimensions				
Width (In)	26	26	29-15/16	33-5/16
Height (In)	21-9/32	21-9/32	23-1/4	27-9/16
Depth (In)	10-7/16	10-7/16	11-1/4	12-5/8
Net Wt/Shipping Wt (Lbs)	63.9/70.6	66.1/70.6	82.7/88.2	103.6/111.3
Electrical Data				
Main Power Connection	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
Min. Circuit Ampacity	19A	20A	14A	16A
Max. Fuse/HACR Circuit Breaker	30A	30A	20A	25A
Recommended Indoor/ Outdoor Connecting Cable Type	14 AWG / 4 Conductor 600V THHN Unshielded Bare Copper			
Line Sets O.D.				
Liquid Connection, Flare (In)	1/4	1/4	1/4	3/8
Suction Connection, Flare (In)	3/8	1/2	1/2	5/8
Maximum Line Set Length (Ft)*	66	66	82	82
Maximum Elevation (Outdoor) (Ft)‡	26	26	33	33

* Min. 10 ft. line set recommended

‡ Oil traps should be installed every 16.5 to 23 feet when the outdoor unit is installed above the indoor unit.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88147	DVH09SD-0 9,000 BTUH 115V 15 SEER SINGLE ZONE HEAT PUMP	
1	EA	88148	DVH12SD-0 12,000 BTUH 115V 15 SEER SINGLE ZONE HEAT PUMP	
1	EA	88149	DVH18SD-1 18,000 BTUH 208/230V 15 SEER SINGLE ZONE HEAT PUMP	
1	EA	88150	DVH24SD-1 24,000 BTUH 208/230V 15 SEER SINGLE ZONE HEAT PUMP	

Comfort-Aire® VMH Ductless Split System Heat Pumps

Single-Zone, Inverter Technology





The VMH series units are exceptionally quiet. Heavy duty inverter compressors in the condensers are not just efficient, but they also reduce noise and vibration. Inside, the balanced fan circulates large volumes of air at minimal sound levels. Single zone models are especially suited to one room residential installations suchs as bedrooms, sunrooms, additions and work shops. The inverter technology automatically matches the power delivered with the load requirements for precise temperature control.

Features

- Silver ion filter delivers improved indoor air quality, eliminating bacteria in the air.
- Defrost control automatically removes any frost accumulation on the coil as needed.
- Auto restart reverts to the last setting following a power failure.
- Low ambient operation: Cooling 5–122° F, Heating 5–86° F.

Features	VMH30SC-1	VMH36SC-1
Power Supply	208/230-1-60	208/230-1-60
Cooling Capacity (BTUH)	30,000	36,000
SEER	16.00	14.50
EER	10.00	8.80
HSPF	9.60	9.00
Cooling Amps	14.0	15.7
Dehumidification (Pts/Hr.)	6.3	8.0
High Heating Cap. (BTUH) @ 47°F	30,000	36,000
Low Heating Cap. (BTUH) @ 17°F	17,800	21,200
Heating Amps	11.0	14.0
Indoor Unit		
Air Flow (CFM)	971/842/736	971/842/736
Fan Speeds (Hi/Med/Lo)	3	3
Sound Level (dBa) H-M-L	50/47/43	50/46/42
Dimensions		
Width (In)	56-7/8	56-7/8
Height (In)	13-3/8	13-3/8
Depth (In)	10-7/8	10-7/8
Net Wt/Shipping Wt (Lbs.)	53/70.6	53/70.6
Outdoor Unit		
Dimensions		
Width (In)	35-7/16	39
Height (In)	33-7/8	38
Depth (In)	12-7/16	13-9/16
Net Wt/Shipping Wt (Lbs.)	156.5/165.4	180.8/189.6
Electrical Data		
Main Power Connection	Outdoor Unit	Outdoor Unit
Min. Circuit Ampacity	16A	20A
Max. Fuse/HACR Circuit Breaker	25A	30A
Line Sets O.D.		
Liquid Connection, Flare (In)	3/8	3/8
Suction Connection, Flare (In)	5/8	5/8
Maximum Line Set Length (Ft)*	82	82
Maximum Elevation (Outdoor) (Ft)‡	32	32

*Min 10 ft. line set recommended

‡ Oil traps should be installed every 16.5 to 23 feet when the outdoor unit is installed above the indoor unit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88151	VMH30SD-1 30,000 BTUH 208/230V 16 SEER SINGLE ZONE HEAT PUMP	
1	EA	88152	VMH36SD-1 36,000 BTUH 208/230V 14 SEER SINGLE ZONE HEAT PUMP	

CAH Cassette Indoor Units

Ductless Split Systems



EMI cassette indoor units are multi-rated, ready for either straight cool or heat pump and include electric heat already installed.

In straight cool applications, can be used with condensers of like capacities from EMI, Armstrong Air, or Goodman and with any insulated line sets.

24V controls standard on above models, thermostat is not included, and all tube set connections are sweat.

Optional factory installed Hand Held Infra-red Digital Control is available with price on request.

Straight Cool or Heat Pump Models	Cooling Nominal BTUH	Volts	Line Size (o.d.)		Electric Heat Options	Dimensions (In.)		
			Liquid	Suction*		L	H	D
CAH 9/12D	9,000-12,000	208/230	1/4	1/2	1.5 kw	33	10	33

* Field fabricated line sets require suction line insulation.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	69735	CAH 09/12D30 230V CASSETTE UNIT REQ STAT	

CHP Straight Cool Ceiling Mount Air Handler



- Standard cooling down to 60° F (outside temperature)
- 24 volt wall thermostat control
- Fresh air knockout
- Anti short cycle protection
- 208/230 standard voltage with 1.5kw heat strip

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62020	550000339 CHP SERIES TRIM KIT FOR 12,000-24,000 BTU MODELS	

WHP Repair Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	69217	550-618 WHP 9/12 REV C BLOWER WHEEL KIT	
1	EA	69218	550-619 WHP 15/18 REV C BLOWER WHEEL KIT	

CYCLEMASTER Flare Ball Valve

Insulation Covers Included



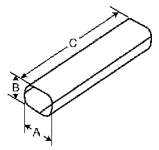
CYCLEMASTER flare ball valves feature full port construction, environmentally friendly, chromium-plated balls for reduced wear and extended seal life, and our exclusive MCM seals for industry-leading longevity and low leak rates. The insulations covers eliminate time and hassle associated with cutting insulation in the field.

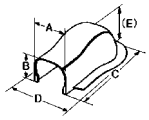
- Engineered for multi-split A/C and heat pump units
- Self sealing elastometric insulation cover available
- Rupture proof encapsulated stem
- Dual o-ring seals
- Suitable for use with CFC, HCFC, and HFC refrigerants and oils, including R-410A
- Access points allow valve to be opened and closed without removing insulation
- Elastometric insulation meets 25/50 flame and smoke ratings and ASTM C177
- UL/cUL listed, CE certified
- Design working pressure (PS): 700 psig, 48 bar
- Working temperature range (TS): -40° F/300° F, -40° C/149° C

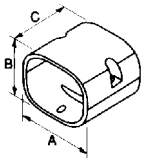
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89184	A 18568 CYCLEMASTER 3/8" FLARE BALL VALVE W/INSULATION COVERS	
1	EA	89185	A 18570 CYCLEMASTER 5/8" FLARE BALL VALVE W/INSULATION COVERS	

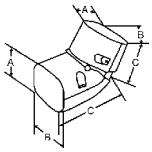
MITSUBISHI ELECTRIC
HVAC Advanced Products Division

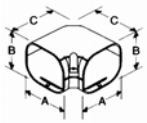
Lineset Cover System

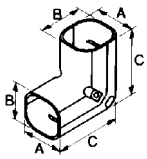

CD-75, CD-100,

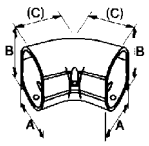

NY-75, NY-100

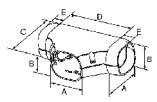

NS-75, NS-100, NS-140

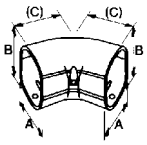

NZ-75

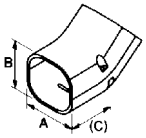

NE-75, NE-100, NE-140

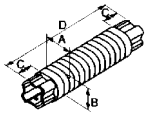

NC-75, NC-100,

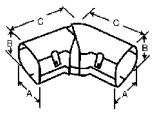

NW-75, NW-140

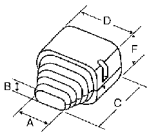

NT-75, NT-140

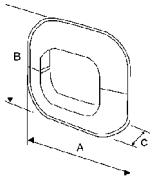

NM-75, NM-100


NU-75, NU-100


NF-75


NX-75, NX-140


NR-75, NR-140


NK-75, NK-100

Put a professional finish on air conditioning installation with an easy-to-install modular system that beautifies exteriors and protects linesets, drainlines, and wiring.

- Available in four sizes: 2-1/4", 3", 4", and 6" tubes.
- 3", 4" sizes are stocked.
- Snap-on covers and a full selection of couplings, elbows, T-Joints, caps, and more for any application, complex or simple.
- High-quality PVC with UV inhibitors for outdoor service in all weather conditions.
- Can be painted with most house paints to match exterior decors.
- Not just for HVAC. Hide any exterior cabling, piping, or wiring.
- Use it indoors, too! Meets UL94 for interior applications.

Bercor Number	Product	Dimensions (In.)				
		A	B	C	D	E
Split Line Tube						
67575	CD-75	2-15/16	2-7/16	78-3/4		
67605	CD-100	3-7/8	2-11/16	78-3/4		
67617	CD-140	5-7/16	3-1/16	78-3/4		
Simple Wall Cover						
67606	NY-75	3-1/4	2-11/16	8-1/4	3-11/16	3-1/4
67607	NY-100	4-3/16	2-15/16	9-1/8	4-11/16	3-3/4
Socket/Coupling Joins Two Pieces of Tubing						
67608	NS-75	3-1/4	2-11/16	3-1/8		
67609	NS-100	4-3/16	2-15/16	3-1/8		
76719	NS-140	5-3/4	3-3/8	3-1/8		
Universal Elbow (Vertical) Adjustable 45 to 90 Degree						
67612	NZ-75	3-3/8	2-11/16	4-13/16		
90 Degree Elbow (Horizontal)						
67613	NE-75	3-1/4	2-11/16	5-9/16		
67614	NE-100	4-3/16	2-15/16	6-5/16		
67620	NE-140	5-3/4	3-3/8	7-7/8		
90 Degree Elbow (Vertical)						
67615	NC-75	3-1/4	2-11/16	4-7/8		
67616	NC-100	4-3/16	2-15/16	5-5/16		
67628	NC-140	5-3/4	3-3/8	5-7/8		
Wall Cover/ Inlet						
67640	NW-75	3-1/4	2-11/16	8-1/4	3-11/16	3-1/4
67647	NW-100	4-3/16	2-15/16	9-1/8	4-11/16	3-3/4
67618	NW140	5-3/4	3-3/8	11-1/4	6-1/4	4-1/8
T-Joint						
67649	NT-75	3-1/4	2-11/16	4-3/4	6-5/16	
67650	NT-100	4-3/16	2-15/16	6-5/16	8-7/16	1-3/8
67621	NT-140	5-3/4	3-3/8	7-7/8	10	1-3/8
45 Degree Elbow (Horizontal)						
67622	NM-75	3-1/4	2-11/16	2-15/16		
67623	NM-100	4-3/16	2-15/16	3-5/16		

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Bercor Number	Product	Dimensions (In.)				
		A	B	C	D	E
45 Degree Elbow (Vertical)						
67624	NU-75	3-1/4	2-11/16	2-13/16		
67625	NU-100	4-3/16	2-15/16	3-1/4		
Flexible Joint (Polypropylene material) available in nominal 2-foot and 3-foot lengths						
67634	NF-75	3	2-1/2	2-3/8	21-5/8	
67691	NF-100	4	2-3/4	2-15/16	31-1/2	
Universal Elbow (Horizontal) Adjustable 45 to 90 Degree						
67641	NX-75	3-1/4	2-11/16	6		
67663	NX-100	4-3/16	2-15/16	7-5/8		
67694	NX-140	5-3/4	3-3/8	9-3/4		
End Socket (Can be Cut to Accommodate Various Lineset Combinations						
67652	NR-75	2-1/16	1-3/16	3-7/8	3-1/4	2-11/16
67692	NR-140	2-1/17	1-3/17	5-5/8	5-3/4	3-3/8
Wall Entry Fitting						
67679	NK-75	4-15/16	4-1/2	5/8		
67683	NK-100	6-7/8	5-11/16	5/8		
67688	NK-140	8-11/16	7-1/16	5/8		
Variant Socket/Reducer						
67662	NJ-75/100	3-3/8	2-13/16	3-1/8	4-3/16	2-15/16
Corner Cap/Soffit Entry Fitting						
67671	NA-75	3-5/16	2-3/4	2-5/8	4-7/8	4-15/16
67677	NA-100	4-5/16	3	2-5/8	5-7/8	5-1/2

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	67575	CD-75 SPLIT LINE TUBE LINE HIDE	
5	EA	67605	CD-100 SPLIT LINE TUBE LINE HIDE	
5	EA	67617	CD-140 SPLIT LINE TUBE LINE HIDE	
5	EA	67671	NA-75 CORNER CAP SOFFIT ENTRY LINE-HIDE	
5	EA	67677	NA-100 CORNER CAP SOFFIT ENTRY LINE-HIDE	
10	EA	67615	NC-75 90 DEG VERT ELBOW LINE HIDE	
5	EA	67616	NC-100 90 DEG VERT ELBOW LINE HIDE	
5	EA	67628	NC-140 90 DEGREE EL VERTICAL LINE HIDE	
5	EA	67613	NE-75 90 DEG HORIZ ELBOW LINE HIDE	
5	EA	67614	NE-100 90 DEG HORIZ ELBOW LINE HIDE	
5	EA	67620	NE-140 90 DEGREE EL HORIZONTAL LINE HIDE	
10	EA	67634	NF-75 FLEXIBLE JOINT LINE HIDE	
10	EA	67691	NF-100 FLEXIBLE JOINT LINE HIDE	
5	EA	67662	NJ-75/100 VARIANT SOCKET / REDUCER LINE-HIDE	
10	EA	67679	NK-75 WALL ENTRY FITTING LINE HIDE	
10	EA	67683	NK-100 WALL ENTRY FITTING LINE HIDE	
5	EA	67688	NK-140 WALL ENTRY FITTING LINE HIDE	
10	EA	67622	NM-75 45 DEG HORIZ ELBOW LINE HIDE	
5	EA	67623	NM-100 45 DEG HORIZ ELBOW LINE HIDE	
10	EA	67652	NR-75 END SOCKET LINE HIDE	
10	EA	67692	NR-140 END SOCKET	
5	EA	67644	NR-100 END SOCKET LINE-HIDE	
10	EA	67608	NS-75 COUPLING LINE HIDE	
5	EA	67609	NS-100 COUPLING LINE HIDE	
5	EA	67619	NS-140 SOCKET/COUPLING LINE HIDE	
10	EA	67649	NT 75 LINE HIDE TEE	
5	EA	67650	NT-100 T-JOINT LINE-HIDE	
5	EA	67621	NT-140 T JOINT LINE HIDE	
10	EA	67624	NU-75 45 DEG VERT ELBOW LINE HIDE	
5	EA	67625	NU-100 45 DEG VERT ELBOW LINE HIDE	
10	EA	67640	NW-75 WALL COVER/INLET LINE HIDE	
5	EA	67647	NW-100 WALL COVER INLET LINE-HIDE	
5	EA	67618	NW140 WALL COVER/INLET LINE HIDE	
10	EA	67641	NX-75 UNIVERSAL ELBOW LINE HIDE	
5	EA	67663	NX-100 UNIVERSAL ELBOW LINE-HIDE	
5	EA	67694	NX-140 UNIVERSAL ELBOW (HORIZONTAL)	
10	EA	67606	NY-75 SIMPLE WALL COVER LINE HIDE	
5	EA	67607	NY-100 SIMPLE WALL COVER LINE HIDE	
5	EA	67612	NZ-75 UNIVERSAL EL VERTICAL LINE HIDE	

Streamline Tube • Fittings • Valves Twin Tube Mini Split Line Sets

1/2" Insulation



Mini Split Line Sets with dual tube insulation are the convenient solution for labor savings and reduced waste. These time-saving kits are packaged with pre-insulated copper tube liquid lines and suction lines. As with our standard line sets, the factory installed seamless insulation reduces the risk of leaks and promotes energy efficiency, while options such as flared brass fittings offer a fast and flameless method of installation.

- Single piece insulation eliminates the need for taping the lines together
- Closed-cell construction ensures excellent thermal conductivity, and prevents mold and mildew
- 25/50 rating
- UL recognized at 700 PSI

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
14	EA	54617	40620150B3B8 15FT 3/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
12	EA	54620	40620300B3B8 30FT 3/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
8	EA	54623	40620500B3B8 50FT 3/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
14	EA	54618	40820150B3B8 15FT 1/2S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
12	EA	54621	40820300B3B8 30FT 1/2S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
7	EA	54624	40820500B3B8 50FT 1/2S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
1	EA	54626	40821000B3B8 100FT 1/2S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
12	EA	54614	41020150B3B8 15FT 5/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
8	EA	54615	41020300B3B8 30FT 5/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
7	EA	54616	41020500B3B8 50FT 5/8S 1/4L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
12	EA	54619	61020150B3B8 15FT 5/8S 3/8L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
7	EA	54622	61020300B3B8 30FT 5/8S 3/8L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
7	EA	54625	61020500B3B8 50FT 5/8S 3/8L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	
1	EA	54627	61021000B3B8 100FT 5/8S 3/8L 1/2 ID TWIN TUBE MINI SPLIT LINE SET	

Streamline
A BRAND OF MUELLER INDUSTRIES

Mini Split Line Sets

3/8" Insulation

- Both lines insulated
- Flare nuts on both ends

Length (Ft.)	Suction Line	Liquid Line	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	5/8	1/4	8	EA	54696	41080500B3B6 50FT 5/8S 1/4L 3/8I MINI SPLIT LINE SET	

MUY/MSY Ductless Split System Air Conditioners

Single-Zone, Wall-Mounted, Cooling Only



Indoor Unit

- 15.1–21 SEER
- Inverter driven compressor
- Wide Vane for wider angle of airflow: 150° left to right
- Motorized vertical vanes on GE24/D30/D36 models



Outdoor Unit

NOTE: M-series systems are not recommended for critical room and low ambient cooling applications. Use commercial grade P-Series with full cooling capacity down to 0° F with wind baffle.

Outdoor Unit			**MUY-GE09NA2**	**MUY-GE12NA2**	**MUY-GE15NA-1**	**MUY-GE18NA-1**	**MUY-GE24NA**	**MUY-D30NA-1**	**MUY-D36NA-1**
Power Supply		V/Ph/Hz	208-230/1/60						
MCA		A	12	12	12	14	17.1	21	21
Rated Capacity		Btu/h	9,000	12,000	14,000	17,200	22,500	30,700	34,600
Energy Efficiency		SEER	21	20.5	21	19.2	19	16	15.1
Pipe Dimensions	Liquid	In.	1/4	1/4	1/4	1/4	3/8	3/8	3/8
	Gas	In.	3/8	3/8	1/2	1/2	5/8	5/8	5/8
	Max. Ht. Diff.	Ft.	40	40	40	50	50	50	50
	Max. Length	Ft.	65	65	65	100	100	100	100
Compressor	Model (Type)		DC Inverter Driven		DC Inverter Driven Twin Rotary				
Dimensions	W	In.	31-1/2	31-1/2	31-1/2	33-1/16	33-1/16	33-1/16	33-1/16
	D	In.	11-1/4	11-1/4	11-1/4	13	13	13	13
	H	In.	21-5/8	21-5/8	21-5/8	33-7/16	34-5/8	33-7/16	33-7/16
Weight		Lbs.	66	77	80	119	119	126	126

Indoor Unit			**MSY-GE09NA-8**	**MSY-GE12NA-8**	**MSY-GE15NA-8**	**MSY-GE18NA-8**	**MSY-GE24NA**	**MSY-D30NA-8**	**MSY-D36NA-8**
Power Supply		V/Ph/Hz	208-230/1/60						
MCA		A	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Sound (Quiet-Lo-Med-Hi-Super Hi)		dB(A)	19-22-30-37-43	19-22-30-37-45	26-32-38-44-49	28-33-38-44-49	34-41-49-53	32-42-49-51	32-42-49-51
Airflow (Quiet-Lo-Med-Hi-Super Hi)	Dry	CFM	145-170-237-321-399	145-170-237-321-399	205-272-335-420-533	230-275-339-420-533	388-469-628-738	389-639-848-887	389-639-848-887
	Wet	CFM	109-134-201-286-364	109-134-201-286-364	170-237-300-385-498	194-240-304-385-498	347-420-562-661	350-576-763-798	350-576-763-798
Moisture Removal		Pints/Hr	1.5	2.5	2.7	4.6	5.1	9.9	11.9
Dimensions	W	In.	31-7/16	31-7/16	31-7/16	31-7/16	43-5/16	46-1/16	46-1/16
	D	In.	9-1/8	9-1/8	9-1/8	9-1/8	9-3/8	11-5/8	11-5/8
	H	In.	11-5/8	11-5/8	11-5/8	11-5/8	12-13/16	14-3/8	14-3/8
Weight		Lbs.	22	22	22	37	40	40	40

9,000 BTU

STD PKG	**U/M**	**BERCOR NUMBER**	**DESCRIPTION**	**PC-1 1-2**	**PC-2 3**
1	EA	89242	MSY-GE09NA-8 9,000 COOLING ONLY M-SERIES WALL		
1	EA	89020	MUY-GE09NA2 9,000 COOLING ONLY M-SERIES OUTDOOR		

12,000 BTU

1	EA	89243	MSY-GE12NA-8 12,000 COOLING ONLY M-SERIES WALL		
1	EA	89022	MUY-GE12NA2 12,000 COOLING ONLY M-SERIES OUTDOOR		

15,000 BTU

1	EA	89244	MSY-GE15NA-8 15,000 COOLING ONLY M-SERIES WALL		
1	EA	89245	MUY-GE15NA-1 15,000 COOLING ONLY M-SERIES OUTDOOR		

18,000 BTU

1	EA	89246	MSY-GE18NA-8 17,200 COOLING ONLY M-SERIES WALL		
1	EA	89247	MUY-GE18NA-1 17,200 COOLING ONLY M-SERIES OUTDOOR		

24,000 BTU

1	EA	89137	MSY-GE24NA 22,500 COOLING ONLY M-SERIES WALL		
1	EA	89138	MUY-GE24NA 22,500 COOLING ONLY M-SERIES OUTDOOR		

30,000 BTU

1	EA	89248	MSY-D30NA-8 30,000 COOLING ONLY M-SERIES WALL		
1	EA	89249	MUY-D30NA-1 30,000 COOLING ONLY M-SERIES OUTDOOR		

36,000 BTU

1	EA	89250	MSY-D36NA-8 36,000 COOLING ONLY M-SERIES WALL		
1	EA	89251	MUY-D36NA-1 36,000 COOLING ONLY M-SERIES OUTDOOR		

MUY/MSY Ductless Split System Air Conditioners

Single-Zone, Wall-Mounted, Cooling Only



Indoor Unit

- 20.5–24.6 SEER
- Inverter driven compressor
- Vertical air swing
- Horizontal swing on GL18 & GL24, wide airflow on GL24 only



Outdoor Unit

NOTE: M-series systems are not recommended for critical room and low ambient cooling applications. Use commercial grade P-Series with full cooling capacity down to 0° F with wind baffle.

Outdoor Unit (MUY-xxxxxNA-U1)			**GL09**	**GL12**	**GL15**	**GL18**	**GL24**
Power Supply		V/Ph/Hz	208-230/1/60				
MCA		A	7	7	9	14	17.1
Rated Capacity		Btu/h	9,000	12,000	14,000	18000	22,500
Energy Efficiency		SEER	24.6	23.1	21.6	20.5	20.5
Pipe Dimensions	Liquid O.D.	In.	1/4	1/4	1/4	1/4	3/8
	Gas O.D.	In.	3/8	3/8	1/2	1/2	5/8
	Max. Ht. Diff.	Ft	40	40	40	50	50
	Max. Length	Ft	65	65	65	100	100
Compressor Dimensions	Model (Type)		DC Inverter Driven		DC Inverter Driven Twin Rotary		
	W	In	31-1/2	31-1/2	31-1/2	33-1/16	33-1/16
	D	In	11-1/4	11-1/4	11-1/4	13	13
	H	In	21-5/8	21-5/8	21-5/8	34-5/8	34-5/8
Weight		Lbs.	81	81	81	121	119

Indoor Unit (MSY-xxxxNA-U1)			**GL09**	**GL12**	**GL15**	**GL18**	**GL24**
Power Supply		V/Ph/Hz	208-230/1/60				
MCA		A	1.0	1.0	1.0	1.0	1.0
Sound (Quiet-Lo-Med-Hi-Super Hi)		dB(A)	19-22-30-37-43	19-22-30-37-45	26-32-38-44-49	28-33-38-44-49	34-41-49-53
Airflow (Quiet-Lo-Med-Hi-Super Hi)	Dry	CFM	145-170-237-321-399	145-170-237-321-399	205-272-335-420-533	258-332-417-522-646	388-469-628-738
	Wet	CFM	109-134-201-286-364	109-134-201-286-364	170-237-300-385-498	232-299-375-470-581	347-420-562-661
Moisture Removal		Pints/Hr	1.5	2.5	2.7	2.1	5.1
Dimensions	W	In.	31-7/16	31-7/16	31-7/16	36-5/16	43-5/16
	D	In.	9-1/8	9-1/8	9-1/8	9-13/16	9-3/8
	H	In.	11-5/8	11-5/8	11-5/8	12	12-13/16
Weight		Lbs.	22	22	22	28	37

9,000 BTU

STD PKG	**U/M**	**BERCOR NUMBER**	**DESCRIPTION**	**PC-1 1-2**	**PC-2 3**
1	EA	88928	MSY-GL09NA-U1 9,000 COOLING ONLY M-SERIES WALL		
1	EA	88929	MUY-GL09NA-U1 9,000 COOLING ONLY M-SERIES OUTDOOR		

12,000 BTU

1	EA	88930	MSY-GL12NA-U1 12,000 COOLING ONLY M-SERIES WALL		
1	EA	88931	MUY-GL12NA-U1 12,000 COOLING ONLY M-SERIES OUTDOOR		

15,000 BTU

1	EA	88932	MSY-GL15NA-U1 14,000 COOLING ONLY M-SERIES WALL		
1	EA	88933	MUY-GL15NA-U1 14,000 COOLING ONLY M-SERIES OUTDOOR		

18,000 BTU

1	EA	88934	MSY-GL18NA-U1 18,000 COOLING ONLY M-SERIES WALL		
1	EA	88935	MUY-GL18NA-U1 18,000 COOLING ONLY M-SERIES OUTDOOR		

24,000 BTU

1	EA	88936	MSY-GL24NA-U1 22,500 COOLING ONLY M-SERIES WALL		
1	EA	88937	MUY-GL24NA-U1 22,500 COOLING ONLY M-SERIES OUTDOOR		

MUZ/MSZ Ductless Split System Heat Pumps

Single-Zone, Wall-Mounted, Heating & Cooling



Indoor Unit



Outdoor Unit

- 14.5–24.6 SEER
- Inverter-driven compressor
- Auto Cool/Heat changeover
- Quiet: Pulse Amplitude Modulation (PAM)
- For bedrooms, home offices, living rooms, dining rooms, etc.

NOTE: M-series systems are not recommended for critical room and low ambient cooling applications. Use commercial grade P-Series with full cooling capacity down to 0° F with wind baffle.

Outdoor Unit (MUZ-XXXXNA)			**–**	**GL09**	**GL12**	**GL15**	**GL18**	**GL24**	**D30**	**D36**
Power Supply		V/Ph/Hz	–	208-230/1/60						
MCA		A	–	9	9	10	14	17.1	21	21
Rated Capacity	Cooling	BTU/H	6,000	9,000	12,000	14,000	18,000	22,500	30,700	33,200
	Heating at 47° F		7,200	10,900	14,400	18,000	21,600	27,600	32,600	35,200
	Heating at 17° F		–	9,400	12,000	16,400	18,200	24,600	19,500	21,800
Efficiency	SEER		–	24.6	23.1	21.6	20.5	20.5	14.5	14.5
Pipe Dimensions	Liquid	In	–	1/4	1/4	1/4	1/4	3/8	3/8	3/8
	Gas	In	–	3/8	3/8	1/2	1/2	5/8	5/8	5/8
	Max. Ht. Diff.	Ft	–	40	40	40	50	50	50	50
	Max. Length	Ft	–	65	65	65	100	100	100	100
Compressor	Model (Type)		DC Inverter-Driven			DC Inverter-Driven Twin Rotary			DC Inverter-driven Rotary	
Dimensions	W	In	–	31-1/2	31-1/2	31-1/2	33-1/16	33-1/16	33-1/16	33-1/16
	D	In	–	11-1/4	11-1/4	11-1/4	13	13	13	13
	H	In	–	21-5/8	21-5/8	21-5/8	34-5/8	34-5/8	33-7/16	33-7/16
Weight		Lbs	–	81	81	81	121	119	141	141

Indoor Unit (MSZ-XXXXNA)		**GL06**	**GL09**	**GL12**	**GL15**	**GL18**	**GL24**	**D30**	**D36**
Power Supply	V/Ph/Hz	208-230/1/60							
MCA	A	1	1	1	1	1	1	1	1
Weight	Lbs	22	22	22	22	28	37	40	40
Sound (Cooling) Quiet/ Lo/Med/Hi/Super Hi	dB(A)	19/22/30/37/43		19/22/30/ 37/45	27/31/35/ 39/44	27/31/35/ 39/44	34/41/45/ 49/53	32/42/49/51	
Sound (Heating) Quiet/ Lo/Med/Hi/Super Hi	dB(A)	19/22/30/37/43		19/22/30/ 37/45	25/29/34/ 39/46	25/29/34/ 39/46	32/41/45/ 49/52	34/42/49/50	
Airflow (Cooling) Quiet/ Lo/Med/Hi/ Super Hi	Dry CFM	137/167/221/304/381			205/272/335/ 420/533	259/333/416/ 523/646	388/469/544/ 628/738	389/639/848/887	
	Wet CFM	117/143/190/261/328			170/237/300/ 385/498	233/300/375/ 470/581	347/420/487/ 562/661	350/576/763/798	
Airflow(Heating) Quiet/ Lo/Med/Hi/Super Hi	Dry CFM	145/167/225/325/437			205/247/304/ 367/463	296/384/469/ 563/646	388/469/544/ 628/738	445/639/848/887	
Moisture Removal	Pints/Hr	1.5	1.5	2.5	2.7	2.1	5.1	9.9	11.9
Dimensions W	In	31-7/16	31-7/16	31-7/16	31-7/16	36-5/16	43-5/16	46-1/6	46-1/16
D	In	9-1/8	9-1/8	9-1/8	9-1/8	9-3/16	9-3/8	11-5/8	11-5/8
H	In	11-5/8	11-5/8	11-5/8	11-5/8	12	12-13/16	14-3/8	14-3/8
Weight	Lbs	22	22	22	22	28	37	40	40

6,000 BTU

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88938	MSZ-GL06NA-U1 6,000/7,200 HEAT PUMP M-SERIES WALL		

9,000 BTU

1	EA	88939	MSZ-GL09NA-U1 9,000/10,900 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	88940	MUZ-GL09NA-U1 9,000/10,900 HEAT PUMP M-SERIES OUTDOOR		

12,000 BTU

1	EA	88941	MSZ-GL12NA-U1 12,000/13,600 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	88942	MUZ-GL12NA-U1 12,000/14,000 HEAT PUMP M-SERIES OUTDOOR		

15,000 BTU

1	EA	88943	MSZ-GL15NA-U1 14,000/18,000 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	88944	MUZ-GL15NA-U1 14,000/18,000 HEAT PUMP M-SERIES OUTDOOR		

18,000 BTU

1	EA	88945	MSZ-GL18NA-U1 18,000/21,600 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	88946	MUZ-GL18NA-U1 17.200/21,600 HEAT PUMP M-SERIES OUTDOOR		

24,000 BTU

1	EA	88947	MSZ-GL24NA-U1 22,400/27,600 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	88948	MUZ-GL24NA-U1 22,400/27,600 HEAT PUMP M-SERIES OUTDOOR		

MUA Ductless Outdoor Unit, Cooling Only



Outdoor Unit

- Limited warranty: 1-year on parts and defects and 6-years on compressor
- Compact side discharge outdoor unit
- Zone control
- Wireless remote controller
- Automatic fan speed control
- Quiet operation: both indoor and outdoor units
- Auto restart following a power outage
- Self check function with onboard diagnostics
- Advanced microprocessor control

M-Series: Cooling only MU-A12WA Model

Outdoor Unit			**MU-A12WA**
Power Supply		V/Ph/Hz	115/1/60
Max. Fuse		A	20
Min. Ampacity		A	16
Weight		Lbs.	96
Capacities	Cooling	MBH	12.0
Energy Efficiency		SEER	13.0
Refrigerant Pipe Dimensions	Liquid	In.	1/4
	Gas	In.	1/2
	Max. Ht. Differential	Ft.	35
	Max. Length	Ft.	65
Dimensions	Indoor	H	11-3/4
		W	30-11/16
		D	8-1/4
	Outdoor	H	23-13/16
		W	33-7/16
		D	11-7/16
Inverter Technology			No

Outdoor Unit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	65586	MU-A12WA-1 12,000 NONINVERTER COOLING ONLY M-SERIES OUTDOOR		

MSZ Ductless Split System, Heat Pump

Inverter Driven, R-410A, Wall Mount



Indoor Unit

- Limited warranty: 1-year on parts and defects and 6-years on compressor
- Compact side discharge outdoor unit
- Zone control
- Wireless remote controller
- Automatic fan speed control
- Quiet operation: both indoor and outdoor units
- Auto restart following a power outage
- Self check function with onboard diagnostics
- Advanced microprocessor control

Indoor Unit		MSZ-FE18NA
Power Supply	V/Ph/Hz	208-230/1/60
Min. Ampacity	A	1.0
Weight	Lbs.	37
Sound (Cooling) (Lo-Med-Hi-Super Hi-Powerful)	dB(A)	34-41-49-53
Sound (Heating) (Lo-Med-Hi-Super Hi-Powerful	dB(A)	32-41-49-52
Airflow (Cooling) (Lo-Med-Hi-Super Hi-Powerful)	Dry CFM	388-469-628-738
	Wet CFM	347-420-562-661
Airflow (Heating) (Lo-Med-Hi-Super Hi-Powerful)	CFM	388-469-628-738
Moisture Removal	Pints/H	2.7
Dimensions	W	43-5/8
	D	9-3/8
	H	12-13/16

Indoor Unit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89134	MSZ-FE18NA 18,000 HIGH-EFF H/P INDOOR UNIT		

30,000 BTU

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89252	MSZ-D30NA-8 30,000 HEAT PUMP M-SERIES INDOOR UNIT		
1	EA	89253	MUZ-D30NA-1 30,000 HEAT PUMP M-SERIES OUTDOOR		

36,000 BTU

1	EA	89254	MSZ-D36NA-8 36,000 HEAT PUMP M-SERIES INDOOR UNIT		
1	EA	89255	MUZ-D36NA-1 36,000 HEAT PUMP M-SERIES OUTDOOR		

MUA Ductless Outdoor Unit, Cooling Only

R-410A



Outdoor Unit

- Limited warranty: One year on parts and defects and six years on compressor
- Compact side discharge outdoor unit
- Zone control
- Wireless remote controller
- Automatic fan speed control
- Quiet operation: both indoor and outdoor units
- Auto restart following a power outage
- Self check function with onboard diagnostics
- Advanced microprocessor control

M-Series (R-410A): Cooling only MS/MSY Models

Outdoor Unit			**MU-A09WA**	**MU-A12WA**
Power Supply		V/Ph/Hz	115/1/60	115/1/60
Max. Fuse		A	15	20
Min. Ampacity		A	14	16
Weight		Lbs.	78	96
Capacities	Cooling	MBH	9.5	12.0
Energy Efficiency		SEER	13.0	13.0
Refrigerant Pipe Dimensions	Liquid	In.	1/4	1/4
	Gas	In.	3/8	1/2
	Max. Ht. Differential	Ft.	35	35
	Max. Length	Ft.	65	65
Dimensions	Indoor	H	11-3/4	11-3/4
		W	30-11/16	30-11/16
		D	8-1/4	8-1/4
	Outdoor	H	21-5/8	23-13/16
		W	31-1/2	33-7/16
		D	11-1/4	11-7/16
Inverter Technology			No	No

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	65577	MU-A09WA 9,500 NONINVERTER COOLING ONLY M-SERIES OUTDOOR		
1	EA	65586	MU-A12WA-1 12,000 NONINVERTER COOLING ONLY M-SERIES OUTDOOR		

MSZ Ductless Split System, Heat Pump

Inverter Driven, R-410A, Wall Mount



Indoor Unit

- Limited warranty: One year on parts and defects and six years on compressor
- Compact side discharge outdoor unit
- Zone control
- Wireless remote controller
- Automatic fan speed control
- Quiet operation: both indoor and outdoor units
- Auto restart following a power outage
- Self check function with onboard diagnostics
- Advanced microprocessor control

Indoor Unit		MSZ-FE09NA	MSZ-FE12NA	MSZ-FE18NA	MSZ-D30NA
Power Supply	V/Ph/Hz	208-230/1/60			
Min. Ampacity	A	1.0	1.0	1.0	1.0
Weight	Lbs.	27	27	37	40
Sound (Cooling) (Lo-Med-Hi-Super Hi-Powerful)	dB(A)	22-31-39-42	22-33-43-45	34-41-49-53	32-42-49
Sound (Heating) (Lo-Med-Hi-Super Hi-Powerful	dB(A)	22-31-40-42	22-33-43-44	32-41-49-52	34-42-49
Airflow (Cooling)	Dry CFM	162-226-339-381	162-226-381-410	388-469-628-738	389-639-848
(Lo-Med-Hi-Super Hi-Powerful)	Wet CFM	144-202-307-343	144-202-350-367	347-420-562-661	350-576-763
Airflow (Heating) (Lo-Med-Hi-Super Hi-Powerful)	CFM	166-240-367-381	166-240-399-420	388-469-628-738	445-639-848
Moisture Removal	Pints/H	2.1	2.9	2.7	9.9
Dimensions	W	31-7/16	31-7/16	43-5/8	46-1/16
	D	10-1/8	10-1/8	9-3/8	11-5/8
	H	11-5/8	11-5/8	12-13/16	14-3/8

Indoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89017	MSZ-FE09NA-8 9,000 HIGH-EFF H/P INDOOR UNIT		
1	EA	89015	MSZ-FE12NA-8 12,000 HIGH-EFF H/P INDOOR UNIT		
1	EA	89134	MSZ-FE18NA 18,000 HIGH-EFF H/P INDOOR UNIT		

H2i MUZ/MSZ-FH Ductless Split System Heat Pumps

Single-Zone, High-Efficiency, Wall-Mounted, Heating & Cooling, Hyper Heat



Outdoor Unit



Indoor Unit

- 21 to 33 SEER, 12 to 13.5 HSPF
- Inverter-driven compressor
- 100% heating cap. at 0° F outdoor ambient
- Hyper-heating performance
- Auto Cool/Heat changeover
- Double-vane air delivery for enhanced circulation
- Option to set each vane seperately
- i-See Sensor™ 3D senses human heat signatures and floor temperature to deliver conditioned air to the areas that need it
- Multi-function, hand-held or wall-mounted wireless controllers available with smart phone control capabilities
- Quiet: Pulse Amplitude Modulation (PAM)

NOTE: M-series systems are not recommended for critical room and low ambient cooling applications. Use commercial grade P-Series with full cooling capacity down to 0° F with wind baffle.

Outdoor Unit			**MUZ-FH06NAH**	**MUZ-FH09NA**	**MUZ-FH12NA**	**MUZ-FH15NA**	**MUZ-FH18NA**
Power Supply		V/Ph/Hz	208-230/1/60				
MCA		A	11	11	11	16	16
Rated Capacity	Cooling	BTU/h	6,000	9,000	12,000	15,000	17,200
	Htg at 47° F	BTU/h	8,700	10,900	13,600	18,000	20,300
Energy Efficiency		SEER	33.1	30.5	26.1	22.0	21.0
Pipe Dimensions	Liquid OD	In	1/4	1/4	1/4	1/4	1/4
	Gas OD	In	3/8	3/8	3/8	1/2	1/2
	Max. Ht. Diff.	Ft	40	40	40	50	50
	Max. Length	Ft	65	65	65	100	100
Compressor	Model (Type)		DC Inverter-Driven Twin Rotary				
Dimensions	W x D x H	In	31-1/2 x 11-1/4 x 21-5/8			33-1/16 x 13 x 34-5/8	
Weight		Lbs	81	81	83	124	124

Indoor Unit		**MSZ-FH06NA**	**MSZ-FH09NA**	**MSZ-FH12NA**	**MSZ-FH15NA**	**MSZ-FH18NA**
Power Supply	V/Ph/Hz		208-230/1/60			
MCA	A	1	1	1	1	1
Weight	Lbs	29	29	29	29	29
Sound (Cooling) Lo/Med/ Hi/Super Hi/Powerful)	dB(A)	20/23/29/36/40	20/23/29/36/40	21/24/29/36/41	27/31/35/39/44	27/31/35/39/44
Sound (Heating) Lo/Med/ Hi/Super Hi/Powerful	dB(A)	20/24/29/36/42	20/24/29/36/42	21/24/29/36/42	25/29/34/39/46	25/29/34/39/46
Airflow (Cooling) Lo/Med/ Hi/Super Hi/Powerful	Dry CFM	137/167/221/304/381		137/167/221/ 304/398	225/262/304/ 355/411	225/262/304/ 355/437
	Wet CFM	117/143/190/261/328		117/143/190/ 261/342	194/225/261/ 305/354	194/225/261/ 305/376
Airflow (Heating) Lo/Med/ Hi/Super Hi/Powerful	Dry CFM	140/167/225/325/437		140/167/225/ 325/454	201/254/317/ 394/497	201/254/317/ 394/514
Moisture Removal	Pints/Hr	0.2	0.6	1.9	4.0	5.1
Dimensions W x D x H	In	36-7/16 x 9-3/16 x 12 (+11/16)				
Weight	Lbs	29	29	29	29	24

6,000 BTU

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89362	MSZ-FH06NA 6,000 H2I HYPER-HEAT H/P INDOOR UNIT		
1	EA	88993	MUZ-FH06NAH 6,000 H2I HYPER-HEAT HP OUTDOOR W/HEATER		

9,000 BTU

1	EA	89298	MSZ-FH09NA 9,000 H2I HYPER-HEAT H/P INDOOR UNIT		
1	EA	89299	MUZ-FH09NA 9,000 H2I HYPER-HEAT H/P OUTDOOR UNIT		

12,000 BTU

1	EA	89300	MSZ-FH12NA 12,000 H2I HYPER-HEAT H/P INDOOR UNIT		
1	EA	88995	MUZ-FH12NAH-1 12,000 H2I HYPER-HEAT HP OUTDOOR W/HEATER		

15,000 BTU

1	EA	89302	MSZ-FH15NA 15,000 H2I HYPER-HEAT H/P INDOOR UNIT		
1	EA	89303	MUZ-FH15NA 15,000 H2I HYPER HEAT H/P OUTDOOR UNIT		

18,000 BTU

1	EA	88949	MSZ-FH18NA2 18,000 H2I HYPER-HEAT H/P INDOOR UNIT		
1	EA	88950	MUZ-FH18NA2 18,000 H2I HYPER-HEAT H/P OUTDOOR UNIT		

MUZ/MSZ-HM Ductless Split System Heat Pumps

Single-Zone, Economy, Wall Mounted, Heating & Cooling



Indoor Unit



Outdoor Unit

- 18 SEER, 8.5 HSPF
- Inverter-driven compressor
- Quiet: Pulse Amplitude Modulation (PAM)
- Linear Expansion Valves (LEV)
- Entry-level unit for bedrooms, home offices, living rooms, dining rooms, etc.

NOTE: M-series systems are not recommended for critical room and low ambient cooling applications. Use commercial grade P-Series with full cooling capacity down to 0° F with wind baffle.

Outdoor Unit (MUZ-HM)			**09NA2-U8**	**12NA2-U8**	**15NA2-U1**	**18NA2-U1**	**24NA2-U1**
Power Supply		V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
MCA		A	12	12	10	10	14
Rated Capacity	Cooling	BTU/h	9,000	12,000	14,000	17,200	22,500
	Heating at 47° F	BTU/h	10,900	12,200	18,000	18,000	26,000
Energy Efficiency		SEER	18	18	18	18	18
Pipe Dimensions	Liquid OD	In	1/4	1/4	1/4	1/4	3/8
	Gas OD	In	3/8	3/8	1/2	1/2	5/8
	Max. Ht. Diff.	Ft	40	40	40	40	50
	Max. Length	Ft	65	65	65	65	100
Compressor	Model (Type)		DC Inverter-Driven Twin Rotary				
Dimensions	W	In	31-1/2	31-1/2	31-1/2	31-1/2	33-1/16
	D	In	11-1/4	11-1/4	11-1/4	11-1/4	13
	H	In	21-5/8	21-5/8	21-5/8	21-5/8	34-5/8
Weight		Lbs	73	73	81	81	121

Indoor Unit (MSZ-HM)			**09NA-U1**	**12NA-U1**	**15NA-U1**	**18NA-U1**	**24NA-U1**
Power Supply		V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
MCA		A	1	1	1	1	1
Sound (Cooling) Lo/Med/Hi/Super Hi		dB(A)	22/30/37/43	22/30/37/45	32/38/44/49	30/37/42/47	33/38/44/50
Sound (Heating) Lo/Med/Hi/Super Hi		dB(A)	22/30/37/43	22/30/37/43	30/35/40/46	30/37/42/47	32/38/44/50
Airflow (Cooling)	Dry	CFM	170/237/321/399	170/237/321/399	272/335/420/533	328/431/530/625	353/431/530/702
Lo/Med/Hi/Super Hi	Wet	CFM	134/201/286/364	134/201/286/364	237/300/385/498	295/388/477/562	318/388/477/632
Airflow (Heating) Lo/Med/Hi/Super Hi	Dry	CFM	170/237/321/406	170/237/321/406	247/304/367/463	307/431/530/625	346/448/579/702
Moisture Removal		Pints/Hr	1.5	2.5	2.7	2.1	2.3
Dimensions	W	In	31-7/16	31-7/16	31-7/16	36-5/16	36-5/16
	D	In	9-1/8	9-1/8	9-1/8	9-13/16	9-13/16
	H	In	11-5/8	11-5/8	11-5/8	12	12
Weight		Lbs	22	22	22	28	28

9,000 BTU

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88967	MSZ-HM09NA-U1 9,000 (LOW SEER) HEAT PUMP INVERTER INDOOR WALL		
1	EA	88968	MUZ-HM09NA2-U8 9,000 (LOW SEER) HEAT PUMP OUTDOOR		

12,000 BTU

1	EA	88969	MSZ-HM12NA-U1 12,000 (LOW SEER) HEAT PUMP INVERTER INDOOR WALL		
1	EA	88970	MUZ-HM12NA2-U8 12,000 (LOW SEER) HEAT PUMP OUTDOOR		

15,000 BTU

1	EA	88971	MSZ-HM15NA-U1 15,000 (LOW SEER) HEAT PUMP INVERTER INDOOR		
1	EA	88972	MUZ-HM15NA2-U1 15,000 (LOW SEER) HEAT PUMP OUTDOOR		

18,000 BTU

1	EA	88973	MSZ-HM18NA-U1 18,000 (LOW SEER) HEAT PUMP INVERTER INDOOR WALL		
1	EA	88974	MUZ-HM18NA2-U1 18,000 (LOW SEER) HEAT PUMP OUTDOOR		

24,000 BTU

1	EA	88975	MSZ-HM24NA-U1 24,000 (LOW SEER) HEAT PUMP INVERTER INDOOR WALL		
1	EA	88976	MUZ-HM24NA-U1 24,000 (LOW SEER) HEAT PUMP OUTDOOR		

H2i MUFZ/MFZ-KJ Ductless Split System Heat Pumps

Single-Zone, Floor-Mounted, Heating & Cooling, Hyper Heat



- 21 to 28.2 SEER, 11.3 to 13 HSPF
- Compatible with multi-zone MXZ-C systems
- Hyper-heating performance
- Auto Cool/Heat changeover
- Quiet: Pulse Amplitude Modulation (PAM)

NOTE: M-series systems are not recommended for critical room and low ambient cooling applications. Use commercial grade P-Series with full cooling capacity down to 0° F with wind baffle.

Outdoor Unit (MUFZ-XXXXNAHZ-U1)			**KJ09**	**KJ12**	**KJ15**	**KJ18**
Power Supply		V/Ph/Hz	208-230/1/60			
MCA		A	11	9	16	16
Rated Capacity	Cooling	BTU/H	9,000	12,000	15,000	17,000
	Heating at 47° F	BTU/H	11,000	13,000	18,000	21,000
Energy Efficiency		SEER	28.2	25.5	21.8	21.0
Pipe Dimensions	Liquid OD	In	1/4	1/4	1/4	1/4
	Gas OD	In	3/8	3/8	1/2	1/2
	Max. Ht. Diff.	Ft	40	40	50	50
	Max. Length	Ft	65	65	100	100
Compressor	Model (Type)		DC Inverter-Driven Twin Rotary			
Dimensions	W	In	31-1/2	31-1/2	33-1/16	33-1/16
	D	In	11-1/4	11-1/4	13	13
	H	In	21-5/8	21-5/8	34-5/8	34-5/8
Weight		Lbs	83	83	124	124

Indoor Unit (MFZ-XXXXNA-U1)			**KJ09**	**KJ12**	**KJ15**	**KJ18**
Power Supply		V/Ph/Hz	208-230/1/60			
MCA		A	1	1	1	1
Sound (Cooling) Quiet/Lo/Med/Hi/Super Hi		dB(A)	21/27/34/41/46	21/27/34/41/46	28/33/38/43/47	28/33/39/45/50
Sound (Heating) Quiet/Lo/Med/Hi/Super Hi		dB(A)	21/27/34/40/46	21/27/34/40/46	29/35/40/45/49	29/35/40/45/49
Airflow (Cooling)		Dry CFM	138/198/272/360/417	138/198/272/360/417	198/254/311/392/431	198/254/328/420/491
Quiet/Lo/Med/Hi/Super Hi		Wet CFM	117/168/231/306/354	117/168/231/306/354	168/216/264/333/366	168/216/279/357/417
Airflow (Heating) Quiet/Lo/Med/Hi/Super Hi		Dry CFM	138/191/254/328/417	138/191/254/328/417	212/268/328/399/470	212/268/328/399/470
Moisture Removal		Pints/Hr	1.4	2.7	3.9	4.4
Dimensions	W	In	29-17/32	29-17/32	29-17/32	29-17/32
	D	In	8-15/32	8-15/32	8-15/32	8-15/32
	H	In	23-5/8	23-5/8	23-5/8	23-5/8
Weight		Lbs	33	33	33	33

9,000 BTU

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88952	MFZ-KJ09NA-U1 9,000 FLOOR STANDING INDOOR HP		
1	EA	88953	MUFZ-KJ09NAHZ-U1 9,000 HEAT PUMP-OUTDOOR (FLOOR)		

12,000 BTU

1	EA	88954	MFZ-KJ12NA-U1 12,000 FLOOR STANDING INDOOR HP		
1	EA	88955	MUFZ-KJ12NAHZ-U1 12,000 HEAT PUMP-OUTDOOR (FLOOR)		

15,000 BTU

1	EA	88956	MFZ-KJ15NA-U1 15,000 FLOOR STANDING INDOOR HP		
1	EA	88957	MUFZ-KJ15NAHZ-U1 15,000 HEAT PUMP-OUTDOOR (FLOOR)		

18,000 BTU

1	EA	88958	MFZ-KJ18NA-U1 18,000 FLOOR STANDING INDOOR HP		
1	EA	88959	MUFZ-KJ18NAHZ-U1 18,000 HEAT PUMP-OUTDOOR (FLOOR)		

MXZ Ductless/Ducted Split System Heat Pumps

Multi-Zone, Heating & Cooling



- 8.7 to 19.7 SEER, 9.1 to 11.4 HSPF
- Heat and cool 2 to 8 zones with one outdoor unit
- Built-in base pan heaters prevent ice build-up
- Refrigerant: R-410A
- Advanced LEV controls allow installations with longer line lengths and increased vertical separations

Compatible with the Following Indoor Units

- MSZ-FH09, 12, 15NA
- MSZ-GL09, 12, 15, 18, 24
- SEZ-KD09, 12, 15, 18NA
- MFZ-KJ09, 12, 18NA
- SLZ-KA09, 12, 15NA
- MVZ-A12, 18, 24, 30, 36

Branch Box Specifications*

Model Name			**PAC-MKA31BC**	**PAC-MKA51BC**
Connectible No. of Indoor Units			3	5
Power Supply		V/Hz/Ph	208-230/60/1	
Power Input		W	3	3
Current		A	0.05	0.05
External Finish			Galvanized Sheets	
Dimensions	W	In	17-23/32	17-23/32
	D	In	11-1/32	11-1/32
	H	In	6-11/16	6-11/16
Net Weight		Lbs	15	16
Refrigerant Pipe Dimensions	Outdoor Unit to Branch Box	Gas (In)	5/8	5/8
		Liquid (In)	3/8	3/8
	Branch Box to Indoor Units	Gas (In)	A,B,C: 3/8	A,B,C,D: 3/8; E: /2
		Liquid (In)	A,B,C: 1/4	A,B,C,D,E: 1/4

* For MXZ-C Multi-Zone Systems Only

MXZ-C Specifications

Model (MXZ-)			**3C24NA2-U1**	**3C30NA2-U1**	**4C36NA2-U1**	**5C42NA2-U1**	**8C48NA**	**8C60NA-U1**
Efficiency		SEER	20/16	19/16.2	19.2/16	19.7/15.2	18.9/14.7	17.4/15.1
		EER	13.6/11.2	10.6/9.6	9.4/8.7	9.2/9.0	12/9.5	12.5/9.6
		HSPF	9.8/9.2	10.6/9.6	11.0/9.8	10.3/9.1	11.4/10.1	**10.5/10**
Cooling Non-Ducted/Ducted	Rated Cap.	Btu/h	22,000/23,600	28,400/27,400	35,400/34,400	40,500/37,400	48,000/48,000	60,000/60,000
	Cap. Range	Btu/h	12,600–22,000/ 12,600–25,500	12,600–28,400/ 12,600–27,400	12,600–36,400/ 12,600–34,800	6,000–43,000	6,000–48,000	6,000–60,000
	Total Input	W	1,620/2,100	2,680/2,860	3,760/3,940	4,403/4,112	4,000/5,050	4,800/6,250
Heating at 47° F Non-Ducted/Ducted	Rated Cap.	Btu/h	25,000/24,600	28,600/27,600	36,000/34,400	45,000/41,000	54,000/54,000	66,000/66,000
	Cap.Range	Btu/h	11,400–30,600/ 11,400–29,400	11,400–36,000/ 11,400–35,000	11,400-43,000/ 11,400-41,400	7,200–53,600	7,200/54,000	7,200/66,000
	Total Input	W	1,750/1,900	2,150/2,220	3,020/3,100	3,575/3,463	4,220/4,990	4,870/4,750
Heating at 17° F Non-Ducted/Ducted	Rated Cap.	Btu/h	14,000/14,000	16,000/15,100	22,200/20,300	24,400/23,000	36,600/36,600	41,500/40,500
	Cap. Range	W	2,120/2,230	2,120/2,140	3,340/3,450	2,943/2,869	3,720/4,420	4,860/4,750
Electrical Requirements	Power Supply	V/Ph/Hz	208-230/1/60					
	Fuse Breaker	A	25	25	25	40	40	50
	MCA	A	22.1	22.1	22.1	32.5	37	46
Voltage Indoor-Outdoor	S1–S2	V AC	208/230					
	S2–S3	V DC	±24					
Compressor			Inverter-driven Scroll				Inverter-driven Hermetic	
Fan Motor (ECM)		F.L.A.	2.43	2.43	2.43	2.43	0.4+0.4	0.2+0.2
Sound Pressure Level	Cooling	dB(A)	51	52	54	56	51	58
	Heating	dB(A)	55	56	56	58	54	59
External Dimensions	W	In	37-13/32	37-13/32	37-13/32	37-13/32	41-11/32	41-11/32
	D	In	13	13	13	13	13+1	13+1
	H	In	31-11/32	31-11/32	31-11/32	41-9/32	52-11/16	52-11/16
Net Weight		Lbs	137	137	139	189	269	309
External Finish			Munsell 3.0Y 7.8/1.1					
Refrigerant Pipe Size O.D.	Liquid	In	1/4	1/4	1/4	1/4	3/8	3/8
	Gas	In	A Port: 1/2/ Other: 3/8	A: 1/2 B,C: 3/8	A: 1/2 B,C,D: 3/8	A: 1/2 B,C,D,E: 3/8	5/8	3/4
Max. Refrigerant Line Length		Ft	230	230	230	262	492	492
Max. Piping Length to Indoor Unit		Ft	82	82	82	82	82	82
Max. Refrig. Pipe	IDU >ODU	Ft	49	49	49	49	131	131
Height Difference	IDU <ODU	Ft	49	49	49	49	164	164
Connection Method			Flared/Flared	Flared/Flared	Flared/Flared	Flared/Flared	Flared/Flared	Flared/Flared

Continued on the Following Page

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88960	MXZ-3C24NA2-U1 24,000 3 ZONE MULTI OUTDOOR UNIT		
1	EA	88961	MXZ-3C30NA2-U1 30,000 3 ZONE MULTI OUTDOOR UNIT		
1	EA	88962	MXZ-4C36NA2-U1 36,000 4 ZONE MULTI OUTDOOR UNIT		
1	EA	88963	MXZ-5C42NA2-U1 42,000 5 ZONE MULTI OUTDOOR UNIT		
1	EA	89345	MXZ-8C48NA 48,000 8 ZONE MULTI OUTDOOR UNIT		
1	EA	88983	MXZ-8C60NA-U1 60,000 8 ZONE MULTI OUTDOOR UNIT		

MXZ Accessories

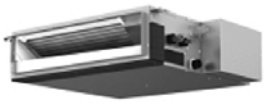
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65737	MAC-A454JP-E 3/8" X 1/2" MXZ SERIES PORT ADAPTER	
1	EA	65740	MAC-A455JP-E 1/2" X 3/8" MXZ SERIES PORT ADAPTER	
1	EA	89167	MAC-A456JP-E 1/2"X5/8" MXZ SERIES PORT ADAPTER	
1	EA	89166	PAC-493PI 1/4"X3/8" MXZ SERIES PORT ADAPTER	
1	EA	89355	PAC-645BH-E BASE HEATER	
1	EA	88990	PAC-MKA31BC 3 PORT BRANCH BOX FOR MXZ-C MODELS	
1	EA	88991	PAC-MKA51BC 5 PORT BRANCH BOX FOR MXZ-C MODELS	
1	EA	65742	PAC-SG76RJ-E 3/8" X 5/8" MXZ SERIES PORT ADAPTER	
1	EA	89354	PAC-SJ20BH-E BASE HEATER MXZ-8C48,60	

MXZ Multi-Zone Ductless/Ducted Systems, Heat Pump

Inverter Driven; R-410A; Ceiling, Wall, or Floor Mount



MXZ Outdoor Unit



MSZ Wall-Mounted Indoor Unit



MFZ Floor-Mounted Indoor Unit

Mitsubishi multi-zone systems connect multiple styles of indoor units to one outdoor unit. Connect from two to eight indoor units.

The MXZ-8B48NA incorporates two styles of Branch Boxes to connect up to eight indoor units. The MXZ-8B48NA has only one-port on the outdoor unit for two insulated refrigerant lines, which run into the home to connect to one or two Branch Boxes. One Branch Box can connect to a maximum of five units; use two Branch Boxes to connect to a maximum of eight units.

- Compact side discharge outdoor unit
- Multi-zone comfot
- Auto restart following a power outage
- Self-check function-integrated diagnostics
- Advanced microprocessor control
- Five year limited warranty on parts and defects
- Seven year limited warranty on compressors

Branch Box Connections

Outdoor Unit to Branch Box	Branch Box to Indoor Units	
MXZ-8B48NA	PAC-AKA51BC	PAC-AKA31BC
1 Port (Flare)	5 Ports	3 Ports
3/8, 3/8	(4) 1/4, (1) 3/8	(3) 1/4, 3/8

Indoor Units

1	EA	89033	MSZ-GE15NA-8 15,000 HEAT PUMP M-SERIES INDOOR WALL		

Port Branch Boxes and Adapters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65740	MAC-A455JP-E 1/2" X 3/8" MXZ SERIES PORT ADAPTER	
1	EA	65742	PAC-SG76RJ-E 3/8" X 5/8" MXZ SERIES PORT ADAPTER	
1	EA	65737	MAC-A454JP-E 3/8" X 1/2" MXZ SERIES PORT ADAPTER	
1	EA	89166	PAC-493PI 1/4"X3/8" MXZ SERIES PORT ADAPTER	
1	EA	89167	MAC-A456JP-E 1/2"X5/8" MXZ SERIES PORT ADAPTER	

H2i MXZ Ductless/Ducted Split System Heat Pumps

Multi-Zone, High-Efficiency, Heating & Cooling, Hyper Heat



- 15 to 19.1 SEER, 9.0 to 11.3 HSPF
- Inverter-driven compressor
- 100% heating capacity at 5° F outdoor ambient
- Heat and cool 2 to 8 zones with one outdoor unit
- Built-in base pan heaters prevent ice build-up in the drain pan
- Advanced LEV controls allow installations with longer line lengths and increased vertical separations
- Refrigerant: R-410A



Compatible with the Following Indoor Units

- MSZ-FH09, 12, 15
- MSZ-GL09, 12, 15, 18, 24
- SEZ-KD09, 12, 15, 18
- MFZ-KA09, 12, 18
- SLZ-KA09, 12, 15
- MVZ-A12, 18, 24, 30, 36

Branch Box Specifications

Model Name			PAC-MKA31BC	PAC-MKA51BC
Connectible No. of Indoor Units			3	5
Power Supply			1-Phase, 60 Hz, 208 / 230V	
Power Input		W	3	3
Current		A	0.05	0.05
External Finish			Galvanized Sheets	
Dimensions	W	In	17-23/32	17-23/32
	D	In	11-1/32	11-1/32
	H	In	6-11/16	6-11/16
Net Weight		Lbs.	15	16
Refrigerant Pipe Dimensions	Outdoor Unit to Branch Box	Gas (In)	5/8	5/8
		Liquid (In)	5/8	5/8
	Branch Box to Indoor Units	Gas (In)	A,B,C: 3/8	A,B,C,D: 3/8; E: 1/2
		Liquid (In)	A,B,C: 1/4	A,B,C,D,E: 1/4

Model (MFZ-xxx-U1)			2C20NAHZ2	3C24NAHZ2	3C30NAHZ2	4C36NAHZ*	5C42NAHZ*	8C48NAHZ*
Efficiency		SEER	17.0/15.0	19.0/15.5	18.0/16.0	19.1/15.8	19.0/15.0	18.9/14.7
		EER	13.5/11.0	13.5/10.0	12.5/10.3	14/11.3	13.4/10.8	12.0/9.5
		HSPF	9.8/9.5	10.0/9.0	11.0/9.8	11.3/10.1	11.0/10.1	11.0/10.0
Cooling Non-ducted/Ducted	Rated Cap.	Btu/h	18,000/20,000	22,000/23,600	28,400/27,400	36,000/36,000	42,000/42,000	48,000/48,000
	Cap. Range	Btu/h	6,000–20,000	6,000–23,600	6,000– 28,400	6,000–36,000	6,000–42,000	6,000/48,000
	Total Input	W	1,334/1,819	1,630/2,360	2,272/2,661	2,570/3,180	3,130/3,890	4,000/5,050
Heating at 47° F Non-ducted/Ducted	Rated Cap.	Btu/h	22,000/22,000	25,000/24,600	28,600/27,600	45,000/45,000	48,000/48,000	54,000/54,000
	Cap. Range	Btu/h	7,400–25,500	7,200–30,600	7,200–36,000	7,200–45,000	7,200–48,000	7,200/54,000
	Total Input	W	1,612/1,748	1,725/1,871	2,096/2,187	3,340/4,250	3,430/4,350	4,220/4,990
Heating at 17° F Non-ducted/Ducted	Rated Cap.	Btu/h	13,700/13,700	14,000/14,000	18,000/16,500	34,000/36,000	35,800/36,600	40,000/43,000
	Max. Cap.	Btu/h	22,000/22,000	25,000/24,600	28,600/27,600	45,000/45,000	48,000/48,000	54,000/54,000
	Total Input	W	1,450/1,588	1,622/1,635	1,991/1,993	3,500/4,590	3,650/4,290	4,340/5,250
Electrical Requirements	Power Supply	V/Ph/Hz	208-230/1/60					
	Fuse/Breaker	A	40	40	40	50	50	50
	MCA	A	29.5	30.5	30.5	42	42	42
Voltage	S1–S2	V AC	208/230	208/230	208/230	208/230	208/230	208/230
Indoor-Outdoor	S2–S3	V DC	±24	±24	±24	±24	±24	±24
Compressor			DC Inverter-driven Twin Rotary			Inverter-driven Hermetic		
Fan Motor (ECM)		FLA	24.3	24.3	24.3	0.4 + 0.4	0.4 + 0.4	0.4 + 0.4
Sound Pressure Level	Cooling	dB(A)	54	54	54	49	50	51
	Heating	dB(A)	58	58	58	53	54	54
External Dimensions	H x W x D	In	41-9/32 x 37-13/32 x 13			52-11/16 x 41-11/32 x 13(+1)		
Net Weight		Lbs	187	189	189	276	276	276
External Finish			Munsell No. 3Y 7.8/11					
Refrigerant Pipe Size O.D.	Liquid	In	1/4	1/4	1/4	3/8	3/8	3/8
	Gas	In	A,B: 3/8	A: 1/2; B,C: 3/8		5/8	5/8	5/8
Max. Refrigerant Line Length		Ft	164	230	230	492	492	492
Max. Piping Length Indoor Unit		Ft	82	82	82	82	82	82
Max. Refrig. Pipe	IDU > ODU	Ft	49	49	49	131	131	131
Height Difference	IDU < ODU	Ft	49	49	49	164	164	164
Connection Method			Flared/Flared	Flared/Flared	Flared/Flared	Flared/Flared	Flared/Flared	Flared/Flared

* Models MXZ-4C36NAHZ, MXZ-5C42NAHZ and MXZ-8C48NAHZ require branch box for operation.

Continued on the Following Page

MVZ Ducted Split System Air Handlers

Multi-Position, Heating & Cooling



- Designed to be easily disassembled and reassembled
- Fits through tight openings and can be installed vertically or horizontally
- 1" R4.2, fiberglass-free insulation reduces condensation and boosts efficiency
- DC motor ensures quiet and efficent operation
- Auto restart following power outage
- Auto fan speed control (high, medium, and low)
- Limited Warranty: 5-year parts and 7-year compressor

Air Handlers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89513	MVZ-A12AA7 12,000 BTU MULTI-POSITION AIR HANDLER		
1	EA	89514	MVZ-A18AA7 18,000 BTU MULTI-POSITION AIR HANDLER		
1	EA	89515	MVZ-A24AA7 24,000 BTU MULTI-POSITION AIR HANDLER		
1	EA	89516	MVZ-A30AA7 30,000 BTU MULTI-POSITION AIR HANDLER		
1	EA	89352	MVZ-A36AA4 36,000 BTU MULTI-POSITION AIR HANDLER		

Electric Heat Kits

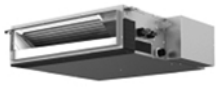
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89356	EH05-MPA-S 5KW ELECTRIC HEATER MODULE	
1	EA	89357	EH08-MPA-S 8KW ELECTRIC HEATER MODULE	
1	EA	89358	EH08-MPA-M 8KW ELECTRIC HEATER MODULE	
1	EA	89359	EH10-MPA-M 10KW ELECTRIC HEATER MODULE	

SUZ/SEZ Single Zone Ducted Systems, Heat Pump

Inverter Driven, R-410A, Ceiling Concealed



Outdoor Unit



Indoor Unit

- Ultra thin body: 7-7/8" high
- Built-in drain mechanism for condensate removal; lifts to 21-11/16"
- Air filter is included with indoor unit
- Quiet operation—as low as 23 dBa
- PAR-21MAA wired remote controller is included
- Indoor unit powered from outdoor unit using A-Control
- Automatic fan speed control
- Auto restart following a power outage
- 5-year limited warranty on parts and defects
- 7-year limited warranty on compressors

Outdoor Unit		**SUZKA09NA**	**SUZKA12NA**	**SUZKA15NA**	**SUZKA18NA**
Power Supply	V/Ph/Hz	208-230/1/60			
Min. Ampacity	A	12	12	12	12
Weight	Lbs.	66	77	80	119
Max. Cooling Capacity	Btu/h	10900	13300	17000	19000
Max. Heating (at 47°F)	Btu/h	14100	16400	21100	24900
Max. Heating (at 17°F)	Btu/h	7300	9800	13700	15000
Sound	Heating (dBa)	50	51	51	56
	Cooling (dBa)	46	49	49	54
Energy Efficiency	SEER	15	16	15.5	17.5
	HSPF	10	10	10	10
Liquid Line Size	In.	1/4	1/4	1/4	1/4
Gas Line Size	In.	3/8	3/8	1/2	1/2
Max. Ht. Differential	Ft.	40	40	40	50
Max. Length	Ft.	65	65	65	100
Dimensions (In)	W	31-1/2	31-1/2	31-1/2	33-1/16
	D	11-1/4	11-1/4	11-1/4	13
	H	21-5/8	21-5/8	21-5/8	33-7/16

Indoor Unit		**SEZKD09NA**	**SEZKD12NA**	**SEZKD15NA**	**SEZKD18NA**
Power Supply	V/Ph/Hz	208-230/1/60			
Min. Ampacity	A	1	1	1	1
Sound (Low-Med-Hi)	dB(A)	23-26-30	23-28-33	30-34-37	30-34-38
Airflow (Low-Med-Hi)	Dry CFM	194-247-317	247-317-388	353-441-529	23-529-635
	Wet CFM	174-222-285	222-285-349	317-396-476	381-476-572
External Static Pressure	In. WG	.02-.06-.14-.2	.02-.06-.14-.2	.02-.06-.14-.2	.02-.06-.14-.2
Weight	Lbs.	42	50	54	62
Dimensions (In)	W	31-1/8	39	39	46-7/8
	D	27-9/16	27-9/16	27-9/16	27-9/16
	H	7-7/8	7-7/8	7-7/8	7-7/8

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89083	SUZ-KA09NA.TH 9,000 M SERIES OUDOOR UNIT, SINGLE ZONE SEZ		
1	EA	89084	SUZ-KA12NA.TH 12,000 M SERIES OUDOOR UNIT, SINGLE ZONE SEZ		
1	EA	89085	SUZKA15NA.TH 15,000 M SERIES OUDOOR UNIT, SINGLE ZONE SEZ		
1	EA	89086	SUZ-KA18NA.TH 18,000 M SERIES OUDOOR UNIT, SINGLE ZONE SEZ		

Indoor Units

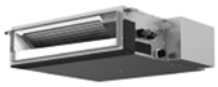
1	EA	89129	SEZ-KD09NA4.TH 9,000 M SERIES INDOOR DUCTED		
1	EA	89130	SEZ-KD12NA4R1.TH 12,000 M SERIES INDOOR DUCTED		
1	EA	89131	SEZ-KD15NA4R1.TH 15,000 M SERIES INDOOR DUCTED		
1	EA	89132	SEZ-KD18NA4.TH 18,000 M SERIES INDOOR DUCTED		

SUZ/SEZ Single Zone Ducted Systems, Heat Pump

Inverter Driven, R-410A, Ceiling Concealed



Outdoor Unit



Indoor Unit

- Ultra thin body: 7-7/8" high
- Built-in drain mechanism for condensate removal; lifts to 21-11/16"
- Air filter is included with indoor unit
- Quiet operation—as low as 23 dBa
- PAR-21MAA wired remote controller is included
- Indoor unit powered from outdoor unit using A-Control
- Automatic fan speed control
- Auto restart following a power outage
- Five year limited warranty on parts and defects
- Seven year limited warranty on compressors

Outdoor Unit		**SUZKA09NA**	**SUZKA12NA**	**SUZKA15NA**	**SUZKA18NA**
Power Supply	V/Ph/Hz	208-230/1/60			
Min. Ampacity	A	12	12	12	12
Weight	Lbs.	66	77	80	119
Max. Cooling Capacity	Btu/h	10900	13300	17000	19000
Max. Heating (at 47°F)	Btu/h	14100	16400	21100	24900
Max. Heating (at 17°F)	Btu/h	7300	9800	13700	15000
Sound	Heating (dBa)	50	51	51	56
	Cooling (dBa)	46	49	49	54
Energy Efficiency	SEER	15	16	15.5	17.5
	HSPF	10	10	10	10
Liquid Line Size	In.	1/4	1/4	1/4	1/4
Gas Line Size	In.	3/8	3/8	1/2	1/2
Max. Ht. Differential	Ft.	40	40	40	50
Max. Length	Ft.	65	65	65	100
Dimensions (In.)	W	31-1/2	31-1/2	31-1/2	33-1/16
	D	11-1/4	11-1/4	11-1/4	13
	H	21-5/8	21-5/8	21-5/8	33-7/16

Indoor Unit		**SEZKD09NA**	**SEZKD12NA**	**SEZKD15NA**	**SEZKD18NA**
Power Supply	V/Ph/Hz	208-230/1/60			
Min. Ampacity	A	1	1	1	1
Sound (Low-Med-Hi)	dB(A)	23-26-30	23-28-33	30-34-37	30-34-38
Airflow (Low-Med-Hi)	Dry CFM	194-247-317	247-317-388	353-441-529	23-529-635
	Wet CFM	174-222-285	222-285-349	317-396-476	381-476-572
External Static Pressure	In. WG	.02-.06-.14-.2	.02-.06-.14-.2	.02-.06-.14-.2	.02-.06-.14-.2
Weight	Lbs.	42	50	54	62
Dimensions (In.)	W	31-1/8	39	39	46-7/8
	D	27-9/16	27-9/16	27-9/16	27-9/16
	H	7-7/8	7-7/8	7-7/8	7-7/8

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89083	SUZ-KA09NA.TH 9,000 M SERIES OUDOOR UNIT, SINGLE ZONE SEZ		
1	EA	89084	SUZ-KA12NA.TH 12,000 M SERIES OUDOOR UNIT, SINGLE ZONE SEZ		
1	EA	89085	SUZKA15NA.TH 15,000 M SERIES OUDOOR UNIT, SINGLE ZONE SEZ		
1	EA	89086	SUZ-KA18NA.TH 18,000 M SERIES OUDOOR UNIT, SINGLE ZONE SEZ		

Indoor Units

1	EA	89129	SEZ-KD09NA4.TH 9,000 M SERIES INDOOR DUCTED		
1	EA	89130	SEZ-KD12NA4R1.TH 12,000 M SERIES INDOOR DUCTED		
1	EA	89131	SEZ-KD15NA4R1.TH 15,000 M SERIES INDOOR DUCTED		
1	EA	89132	SEZ-KD18NA4.TH 18,000 M SERIES INDOOR DUCTED		

SUZ/SLZ Single Room Ducted Systems, Heat Pump

Inverter Driven, R-410A, Ceiling Recessed



SUZ



SLZ

- The SLZ-KA ceiling recessed cassette units offer a wide airflow pattern for better air distribution in a less obtrusive style
- For use in 1:1 heat pump and multi-zone systems providing more options
- To be installed in a hard ceiling (with access panel for servicing) or in a 2'x2' drop ceiling
- Built-in drain-lift mechanism for condensate removal
- 4" ventilation-air intake knockout option
- Automatic fan speeed control
- Indoor units receive power from outdoor units through field-supplied interconnected wiring
- 5-year limited warranty on parts and defects
- 7-year limited warranty on compressors

Outdoor Unit		**SUZ-KA09NA**	**SUZ-KA12NA**	**SUZ-KA15NA**
Power Supply	V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
Voltage	Indoor - Outdoor S1-S2	AC 208-230V	AC 208-230V	AC 208-230V
	Indoor - Outdoor S2-S3	DC 12-24V	DC 12-24V	DC 12-24V
MCA	A	12	12	12
MOCP	A	15	15	15
Fan Motor	FLA	0.50	0.50	0.50
Weight	Lbs.	66	77	80
Max. Cooling Capacity	Btu/h	10900	13300	17000
Max. Heating (at 47°F)	Btu/h	14100	17000	22000
Max. Heating (at 17°F)	Btu/h	3200	8300	12000
Sound	Heating (dBa)	50	51	51
	Cooling (dBa)	46	49	49
Energy Efficiency	SEER	15	15.4	165
	HSPF	9.6	9.6	9.6
Liquid Line Size	In.	1/4	1/4	1/4
Gas Line Size	In.	3/8	3/8	1/2
Refrigerant (R-410A)	Charge (Lbs.,Oz.)	2, 0	2, 9	2, 9
	Oil Type (fl. oz)	NEO22 (10.8)	NEO22 (10.8)	NEO22 (15.2)
Refrigerant Pipe	Max. Ht. Differential (Ft.)	40	40	40
	Max Length (Ft.)	65	65	65
Dimensions (In)	W	31-1/2	31-1/2	31-1/2
	D	11-1/4	11-1/4	11-1/4
	H	21-5/8	21-5/8	21-5/8

Indoor Unit		**SLZ-KD09NA**	**SLZ-KD12NA**	**SEZKD15NA**
Power Supply	V/Ph/Hz	208-230/1/60		
MCA	A	1	1	1
Sound (Low-Med-Hi)	dB(A)	29-32-38	30-34-39	31-35-40
Airflow (Low-Med-Hi)	Dry CFM	280-320-350	280-320-390	280-320-390
	Wet CFM	250-290-320	250-290-350	250-290-350
Weight, Unit (Grille)	Lbs.	36 (7)	36 (7)	36 (7)
Dimensions, Unit (Grille)	W (In)	22-7/16 (25-5/8)	22-7/16 (25-5/8)	22-7/16 (25-5/8)
	D (In)	22-7/16 (25-5/8)	22-7/16 (25-5/8)	22-7/16 (25-5/8)
	H (In)	9-1/4 (13/16)	9-1/4 (13/16)	9-1/4 (13/16)

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89083	SUZKA09NA 9,000 M SERIES OUDOOR UNIT, SINGLE ZONE SEZ		
1	EA	89084	SUZKA12NA 12,000 M SERIES OUDOOR UNIT, SINGLE ZONE SEZ		
1	EA	89085	SUZKA15NA 15,000 M SERIES OUDOOR UNIT, SINGLE ZONE SEZ		

Indoor Units

1	EA	89145	SLZ-KA09NA.TH 9,000 2-CTN 4-WAY CASS LESS CONTROL		
1	EA	89146	SLZ-KA12NA1.TH 12,000 2-CTN 4-WAY CASS LESS CONTROL		
1	EA	89147	SLZ-KA15NA1.TH 15,000 2-CTN 4-WAY CASS LESS CONTROL		

Grille

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89286	SLP-15AAUW GRILLE SLZ INDOOR UNITS	

PUY/PCA Ductless Split System Air Conditioners

Inverter Driven, Ceiling Mounted, Cooling only



Outdoor Unit



Indoor Unit

- The new compact outdoor unit design requires less space and reduces outdoor unit sound level.
- The low-ambient operation performs well in cooling mode even when the outside temperature is 0° F. This unit meets requirements for year round cooling in applications such as telecom rooms and computer centers.
- The P-series can be used with the wireless controller as well as the advanced wire controller and the simple wired controller.
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat, or Off .

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89520	PUY-A24NHA7 24,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89521	PUY-A30NHA7 30,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88906	PCA-A36KA6.TH 36,000 P-SERIES CEILING MOUNT		
1	EA	89522	PUY-A36NKA7 36,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89523	PUY-A42NKA7 42,000 P-SERIES COOLING ONLY OUTDOOR		

Indoor Units

1	EA	89534	PCA-A24KA7.TH 24,000 P-SERIES CEILING MOUNT		
1	EA	89535	PCA-A30KA7.TH 30,000 P-SERIES CEILING MOUNT		
1	EA	89536	PCA-A36KA7.TH 36,000 P-SERIES CEILING MOUNT		
1	EA	89537	PCA-A42KA7.TH 42,000 P-SERIES CEILING MOUNT		

PUY/PKA Ductless Split System Air Conditioners

Inverter Driven, Wall-Mount, Cooling Only



Outdoor Unit



Indoor Unit

- The new compact outdoor unit design requires less space and reduces outdoor unit sound level.
- The low-ambient operation performs well in cooling mode even when the outside temperature is 0° F. This unit meets requirements for year round cooling in applications such as telecom rooms and computer centers.
- The P-series can be used with the wireless controller as well as the advanced wire controller and the simple wired controller.
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat, or Off.

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89518	PUY-A12NKA7 12,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89519	PUY-A18NKA7 18,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89520	PUY-A24NHA7 24,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89521	PUY-A30NHA7 30,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89522	PUY-A36NKA7 36,000 P-SERIES COOLING ONLY OUTDOOR		

Indoor Units

1	EA	89530	PKA-A12HA7 12,000 P-SERIES WALL MOUNT		
1	EA	89557	PKA-A18HA7 18,000 P-SERIES WALL MOUNT		
1	EA	89531	PKA-A24KA7.TH 24,000 P-SERIES WALL MOUNT		
1	EA	89532	PKA-A30KA7.TH 30,000 P-SERIES WALL MOUNT		
1	EA	88904	PKA-A36KA6.TH 36,000 P-SERIES WALL MOUNT		
1	EA	89533	PKA-A36KA7.TH 36,000 P-SERIES WALL MOUNT		

PUY/PLA Ductless Split System Air Conditioners

Inverter Driven, Ceiling Recessed, Cooling Only



Outdoor Unit



Indoor Unit

- The new compact outdoor unit design requires less space and reduces outdoor unit sound level.
- The low-ambient operation performs well in cooling mode even when the outside temperature is 0° F. This unit meets requirements for year round cooling in applications such as telecom rooms and computer centers.
- The P-series can be used with the wireless controller as well as the advanced wire controller and the simple wired controller.
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat, or Off.

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89518	PUY-A12NKA7 12,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89519	PUY-A18NKA7 18,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89520	PUY-A24NHA7 24,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89521	PUY-A30NHA7 30,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89522	PUY-A36NKA7 36,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88909	PUY-A42NHA6 42,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89523	PUY-A42NKA7 42,000 P-SERIES COOLING ONLY OUTDOOR		

Indoor Units

1	EA	89545	PLA-A12EA7 12,000 P-SERIES CEILING RECESSED		
1	EA	89546	PLA-A18EA7 18,000 P-SERIES CEILING RECESSED		
1	EA	89547	PLA-A24EA7 24,000 P-SERIES CEILING RECESSED		
1	EA	89548	PLA-A30EA7 30,000 P-SERIES CEILING RECESSED		
1	EA	89549	PLA-A36EA7 36,000 P-SERIES CEILING RECESSED		
1	EA	89550	PLA-A42EA7 42,000 P-SERIES CEILING RECESSED		

Grille

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89574	PLP-40EAEU GRILLE PLA INDOOR UNITS	

PUZ/PCA Ductless Split System Heat Pumps

Inverter Driven, Ceiling Mounted, Heating & Cooling



Outdoor Unit



Indoor Unit

- The new compact outdoor unit design requires less space and reduces outdoor unit sound level.
- The low-ambient operation performs well in cooling mode even when the outside temperature is 0° F. This unit meets requirements for year round cooling in applications such as telecom rooms and computer centers.
- The P-series can be used with the wireless controller as well as the advanced wire controller and the simple wired controller.
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat, or Off .

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89526	PUZ-A24NHA7 24,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	89527	PUZ-A30NHA7 30,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	89528	PUZ-A36NKA7 36,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	89529	PUZ-A42NKA7 42,000 P-SERIES HEAT PUMP OUTDOOR		

Indoor Units

1	EA	89534	PCA-A24KA4.TH 24,000 P-SERIES CEILING MOUNT		
1	EA	89535	PCA-A30KA4.TH 30,000 P-SERIES CEILING MOUNT		
1	EA	89536	PCA-A36KA6.TH 36,000 P-SERIES CEILING MOUNT		
1	EA	89537	PCA-A42KA6.TH 42,000 P-SERIES CEILING MOUNT		

PUZ/PKA Ductless Split System Heat Pumps

Inverter Driven, Wall-Mount, Heating & Cooling



Outdoor Unit



Indoor Unit

- The new compact outdoor unit design requires less space and reduces outdoor unit sound level.
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Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89525	PUZ-A18NKA7 18,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88913	PUZ-A24NHA6 24,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	89526	PUZ-A24NHA7 24,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	89527	PUZ-A30NHA7 30,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	89528	PUZ-A36NKA7 36,000 P-SERIES HEAT PUMP OUTDOOR		

Indoor Units

1	EA	89557	PKA-A18HA7 18,000 P-SERIES WALL MOUNT		
1	EA	89531	PKA-A24KA7.TH 24,000 P-SERIES WALL MOUNT		
1	EA	89532	PKA-A30KA7.TH 30,000 P-SERIES WALL MOUNT		
1	EA	88904	PKA-A36KA6.TH 36,000 P-SERIES WALL MOUNT		
1	EA	89533	PKA-A36KA7.TH 36,000 P-SERIES WALL MOUNT		

PUY/PCA Ductless Split System, Cooling Only

Inverter Driven, R-410A, Ceiling Mounted



Outdoor Unit



Indoor Unit

- The compact outdoor unit design requires less space and reduces outdoor unit sound level by 4 to 8 dB(A). It provides quiet operation indoors and outdoors in a smaller footprint.
- The low-ambient operation performs well in cooling mode even when the outside temperature is 0° F. This unit meets requirements for year round cooling in applications such as telecom rooms and computer centers.
- The P-series has a wired remote controller (PAR-21MAA) which displays fault codes for both indoor and outdoor units, displays phone number of servicer, and also displays critical unit operating data for servicer. It offers more information in a larger display and provides faster and easier service.
- The multi-node comfort control (wired or wireless) allows selection of On, Cool, Dry Mode, Fan, Heat or Off quickly and easily.

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89120	PUY-A42NHA5 42,000 COOLING ONLY P-SERIES OUTDOOR		

Indoor Units

1	EA	89119	PCA-A42KA4 42,000 P-SERIES CEILING LESS CONTROL		

PUY/PLA Ductless Split Systems, Cooling Only

Inverter Driven, R-410A, Ceiling Recessed



PUY



PLA

- Space efficient ductless installation
- Built-in drain lift mechanism for condensate removal; lifts to 33-7/16"
- Knockouts for ventilation air and branch duct run
- Optional i-see sensor for precise temperature control
- Easy-clean, washable filter
- RedLINK enabled for wall-mounted wireless hand-held
- Wireless or wired controller
- Indoor unit powered by outdoor unit
- Five year limited warranty on parts and defects
- Seven year limited warranty on compressors

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89120	PUYA42NHA4 42,000 COOLING ONLY P-SERIES OUTDOOR		

Indoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89096	PLA-A12BA4 12,000 P-SERIES CASS LESS CNTL-2 CTN		
1	EA	89100	PLA-A18BA4 18,000 P-SERIES CASS LESS CNTL-2 CTN		
1	EA	89118	PLA-A36BA4 36,000 P-SERIES CASS LESS CNTL-2 CTN		
1	EA	89121	PLA-A42BA4 42,000 P-SERIES CASS LESS CNTL-2 CTN		

PKA Ductless Split Systems, Indoor Units Cooling Only

Inverter Driven, R-410A, Wall-Mount



Outdoor Unit



Indoor Unit

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- The multi-node comfort control (wired or wireless) allows selection of On, Cool, Dry Mode, Fan, Heat or Off quickly and easily.

Indoor Units

1	EA	89095	PKA-A12HA4 12,000 P-SERIES LESS CONTROL		
1	EA	89105	PKA-A24KA4.TH 24,000 P-SERIES LESS CONTROL		
1	EA	89111	PKA-A30KA4.TH 30,000 P-SERIES WALL LESS CONTROL		

PUZ/PCA Ductless Split Systems, Heat Pump

Inverter Driven, R-410A, Ceiling Mounted



Outdoor Unit



Indoor Unit

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- The multi-node comfort control (wired or wireless) allows selection of On, Cool, Dry Mode, Fan, Heat or Off quickly and easily.

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89127	PUZ-A36NHA4 36,000 HEAT PUMP P-SERIES OUTDOOR		
1	EA	89128	PUZ-A42NHA4 42,000 HEAT PUMP P-SERIES OUTDOOR		

Indoor Units

1	EA	89119	PCAA42KA4 42,000 P-SERIES CEILING LESS CONTROL		

PUZ/PLA Ductless Split Systems, Heat Pump

Inverter Driven, R-410A, Ceiling Recessed



PUZ



PLA

- Space efficient ductless installation
- Built-in drain lift mechanism for condensate removal; lifts to 33-7/16"
- Knockouts for ventilation air and branch duct run
- Optional i-see sensor for precise temperature control
- Easy-clean, washable filter
- RedLINK enabled for wall-mounted wireless hand-held
- Wireless or wired controller
- Indoor unit powered by outdoor unit
- Five year limited warranty on parts and defects
- Seven year limited warranty on compressors

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89127	PUZ-A36NHA4 36,000 HEAT PUMP P-SERIES OUTDOOR		

Indoor Unit

1	EA	89100	PLA-A18BA4 18,000 P-SERIES CASS LESS CNTL-2 CTN		
1	EA	89118	PLA-A36BA4 36,000 P-SERIES CASS LESS CNTL-2 CTN		
1	EA	89121	PLA-A42BA4 42,000 P-SERIES CASS LESS CNTL-2 CTN		

PUZ/PKA Ductless Split Systems, Heat Pump

Inverter Driven, R-410A, Wall-Mount



Outdoor Unit



Indoor Unit

- The compact outdoor unit design requires less space and reduces outdoor unit sound level by 4 to 8 dB(A). It provides quiet operation indoors and outdoors in a smaller footprint.
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Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89127	PUZA36NHA4 36,000 HEAT PUMP P-SERIES OUTDOOR		

Indoor Units

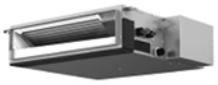
1	EA	89105	PKAA24KA4 24,000 P-SERIES LESS CONTROL		
1	EA	89111	PKAA30KA4 30,000 P-SERIES WALL LESS CONTROL		

PUY/PEAD Series Ducted Cooling Only System

Inverter Driven, R-410A, Ceiling Concealed



Outdoor Unit



Indoor Unit

- The PEA indoor unit utilizes short duct runs allowing for the air-conditioning of adjacent spaces or extending the range of distributed capacities within a single zone with very little visual impact to the conditioned area.
- Ducted units allow for the use of conventional registers and grills connected to ductwork. This keeps the actual equipment out of sight and further reduced sound due to the barrier effect of ceiling and insulation materials.
- The new compact outdoor unit design requires less space and reduces outdoor unit sound level by 4 to 8 dB(A). It provides quiet operation indoors and outdoors in a smaller footprint.
- The P-series has a new wired remote controller (PAR-21MAA) which displays fault codes for both indoor and outdoor units, displays phone number of servicer, and also displays critical unit operating data for servicer.
- The multi-node comfort control (wired or wireless) allows selection of On, Cool, Dry Mode, Fan, Heat or Off quickly and easily.

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89120	PUY-A42NHA5 42,000 COOLING ONLY P-SERIES OUTDOOR		

Indoor Units

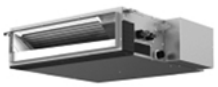
1	EA	89041	PEAA12AA 12,000 P-SERIES DUCTED		
1	EA	89107	PEAD-A24AA4 24,000 P-SERIES DUCTED LESS CONTROL		
1	EA	89114	PEAD-A30AA4 30,000 P-SERIES DUCTED LESS CONTROL		

PUZ/PEAD Series Ducted Split Systems, Heat Pump

Inverter Driven, R-410A, Ceiling Concealed



Outdoor Unit



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- The multi-node comfort control (wired or wireless) allows selection of On, Cool, Dry Mode, Fan, Heat or Off quickly and easily.

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89127	PUZ-A36NHA4 36,000 HEAT PUMP P-SERIES OUTDOOR		
1	EA	89128	PUZ-A42NHA4 42,000 HEAT PUMP P-SERIES OUTDOOR		

Indoor Units

1	EA	89107	PEAD-A24AA4 24,000 P-SERIES DUCTED LESS CONTROL		
1	EA	89114	PEAD-A30AA4 30,000 P-SERIES DUCTED LESS CONTROL		

PUZ Series H2i Series Heat Pump

Inverter Driven, R-410A



The 2.5 and 3-ton wall-mounted, ceiling-suspended, ceiling-recessed and ducted units connect to the H2i P-series outdoor units. This gives customized performance flexible enough to excel in any light commercial application, institutional renovation, or new construction project. Rugged construction ensures cold-weather reliability.

Model Name		**PUZHA36NHA2**
Power Supply	Phase, Cycle, Voltage	1-Phase, 60 Hz, 208/230V
MCA	A	28
Recommended Fuse/Breaker	A	30
MOCP	A	40
Fan Motor	F.L.A.	0.4 x 0.4
Fan Motor Output	W=	60 x 60
Compressor	Model (Type)	Inverter
	R.L.A.	18
	L.R.A.	27.5
Airflow	CFM	3,530
Refrigerant Control		Electronic Expansion Valve
Defrost Method		Reverse Cycle
Dimensions (In.)	W	37-3/8
	D	13 x 1-3/16
	H	53-1/8
Weight	Lbs.	265
Refrigerant	Charge (Lbs.)	12
	Oil Type (fl. oz.)	FV50S (45)
Refrigerant Type	Gas Side O.D. (In.)	5/8
	Liquid Side O.D. (In.)	3/8
Refrigerant Pipe Length	Height Diff. Max. (Ft.)	100
	Length Max. (Ft.)	245
Connection Method	Indoor/Outdoor	Flared/Flared
Operating Temperature Range	Cooling	0° F D.B. to 115° F D.B. with Wind Baffle Accessory Installed
	Heating	-13° F W.B. to +59° F W.B.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89092	PUZHA36NHA2 HYPER HEAT 36,000 HEAT PUMP P-SERIES OUTDOOR		

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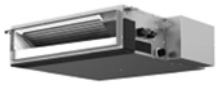
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PUZ/PEAD Series Ducted Split System Heat Pumps

Inverter Driven, Ceiling Concealed, Heating & Cooling



Outdoor Unit



Indoor Unit

- The PEA indoor unit utilizes short duct runs allowing for the air-conditioning of adjacent spaces or extending the range of distributed capacities within a single zone with very little visual impact to the conditioned area.
- Ducted units allow for the use of conventional registers and grills connected to ductwork. This keeps the actual equipment out of sight and further reduces sound due to the barrier effect of ceiling and insulation materials.
- The new compact outdoor unit design requires less space and reduces outdoor unit sound level.
- The P-series can be used with the wireless controller as well as the advanced wire controller and the simple wired controller.
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat, or Off.

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89525	PUZ-A18NKA7 18,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88913	PUZ-A24NHA6 24,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	89526	PUZ-A24NHA7 24,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	89527	PUZ-A30NHA7 30,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	89528	PUZ-A36NKA7 36,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	89529	PUZ-A42NKA7 42,000 P-SERIES HEAT PUMP OUTDOOR		

Indoor Units

1	EA	89539	PEAD-A18AA7 18,000 P-SERIES DUCTED		
1	EA	89540	PEAD-A24AA7 24,000 P-SERIES DUCTED		
1	EA	89601	PEAD-A30AA7 30,000 CEILING P-SERIES		
1	EA	89133	PEAD-A36AA5 36,000 P-SERIES DUCTED		
1	EA	89602	PEAD-A36AA7 36,000 CEILING P-SERIES		
1	EA	88911	PEAD-A42AA5 42,000 P-SERIES DUCTED		
1	EA	89543	PEAD-A42AA7 42,000 P-SERIES DUCTED		

PUZ H2i Ducted Split System Heat Pump Outdoor Units

Inverter Driven, Heating & Cooling



H2i P-series outdoor units connect to 2.5- and 3-ton wall-mounted, ceiling-suspended, ceiling-recessed, and ducted indoor units. This gives customized performance flexible enough to excel in any light commercial application, institutional renovation, or new construction project. Rugged construction ensures cold-weather reliability.

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88981	PUZ-HA30NHA5 HYPER HEAT 30,000 HEAT PUMP P-SERIES OUTDOOR		
1	EA	88982	PUZ-HA36NHA5 HYPER HEAT 36,000 HEAT PUMP P-SERIES OUTDOOR		
1	EA	88992	PUZ-HA42NKA HYPER HEAT 42,000 HEAT PUMP P-SERIES OUTDOOR		

P-Series Wind Baffles

Low Ambient Cooling Components for P-Series Cooling-Only Outdoor Units

Standard P-Series cooling only units provide full capacity down to 23° F as delivered.

- Add front wind baffles to provide full capacity cooling down to 0° F.
- Add side and rear wind baffles to provide full capacity cooling down to -20° F.

Installation location will affect wind baffle requirements

Front Wind Baffles

Model	Used on	Notes
WB-PA1	PUZ/PUY-A12/18	—
WB-PA2	PUZ/PUY-A24/30/36/42, PUZ-HA30/36	PUY/PUZ-A42 and PUZ-HA30/36 require Two Wind Baffles
WB-PA3	PUZ-HA42	UZ-HA42 requires Two Wind Baffles

Rear and Side Wind Baffles

Model	Used on	Rear or Side Baffle
WB-RE1	PUY-A12/18NHA6	Rear
WB-SD1	PUY-A12/18NHA6	Side
WB-RE2	PUY-A24/30/36NHA6	Rear
WB-SD2	PUY-A24/30/36NHA6	Side
WB-RE3	PUY-A42NHA6	Rear
WB-SD3	PUY-A42NHA6	Side

Front Wind Baffles

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65691	WB-PA1 LOW AMBIENT WIND BAFFLE	
1	EA	65694	WB-PA2 LOW AMBIENT WIND BAFFLE	
1	EA	88917	WB-PA3 LOW AMBIENT WIND BAFFLE	

Rear and Side Baffles

1	EA	88918	WB-RE1 REAR WIND BAFFLE	
1	EA	88919	WB-SD1 SIDE WIND BAFFLE	
1	EA	88920	WB-RE2 REAR WIND BAFFLE	
1	EA	88921	WB-SD2 SIDE WIND BAFFLE	
1	EA	88922	WB-RE3 REAR WIND BAFFLE	
1	EA	88923	WB-SD3 SIDE WIND BAFFLE	

Mini-Split Condensate Pumps



Mini Aqua



Micro-V



Maxi Orange

Model No.	ASP-MA-UNI	ASP-MAXO-UNI	ASP-MO-UNI	ASP-MV-UNI	ASP-MW-UNI
Pump Length (In.)	6.5	4.875	4.25	1.5	7.125
Pump Width (In.)	1.125	1.75	1.5	1.25	2
Pump Height (In.)	1.125	2.625	2	0.188	4.5
Capacity	3.7 GPH @ 0 Head	10 GPH @ 0 Head	3.7 GPH @ 0 Head	3.8 GPH @ 0 Head	2.8 GPH @ 0 Head
Max. BTUs	24,000	60,000	24,000	66,000	30,000
Max. Head Ft.	33	50	33	33	33
Max. Suction Lift (Ft.)	3	4	4	6.6	N/A
Sound Level	25 dB(A)	35 dB(A)	25dB(A)	21 dB(A)	22 dB(A)
Dry Contact Rating	3A NO/NC	3A NO/NC	3A NO/NC	3A NO/NC	3A NO/NC
Voltage	100-250	100-250	100-250	100-250	100-250
Amps	.15 MAX	.15 MAX	.18 MAX	.45 MAX	.18 MAX
Watts	16	21	15	16	15
Remote Resevoir	Y	Y	Y	Y	Y
Plenum Rated	N	N	N	N	N
Cable Length (Ft.)	6	6	6	6	6

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Condensate Pumps

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65160	ASP-MA-UNI 100V-250V MINI AQUA CONDENSATE PUMP KIT	
1	EA	65161	ASP-MAXO-UNI 100V-250V MAXI ORANGE CONDENSATE PUMP	
1	EA	65163	ASP-MO-UNI 100V-250V MINI ORANGE CONDENSATE PUMP	
1	EA	65165	ASP-MV-UNI 100V-250V MICRO-V PUMP	
1	EA	65159	ASP-MW-UNI 100V-250V MINI WHITE CONDENSATE PUMP KIT	

Accessories

10	EA	65158	EZT-180 5/8" MINI TRAP FOR MINI SPLIT A/C	
1	EA	65162	WBB-300 300LB MINI SPLIT WALL BRACKET KIT	
4	EA	65164	MIGHTY BRACKET MINI SPLIT INSTALLATION SUPPORT TOOL	

Condensate Pumps

For Mini-Split Systems



X87-721



Si-30

X87-721 Maxi Blue, 230V Condensate Pump

- Deliver up to 3.7g/hour flow and capacity up to 3.5 tons
- 23 ft. head
- 16.5 ft. suction fit
- Self-priming advance rotary diaphragm technology

Si-30 Mini Condensate Removal Pump

- Max. flow rate: 5.0 gph
- Max. suction head: 10 Ft.
- Max. discharge head: 33 Ft.
- Max. pressure: 46 Ft.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89304	SI3000SIUS11 120V 5GPH MINI CONDENSATE REMOVAL PUMP	
1	EA	89353	X87-721 230V 3.7 GPH MAXI BLUE CONDENSATE PUMP	

sauermann Si-30 Mini Condensate Pump

With Piston Technology



- Applications: wall split systems, consoles, fan-coil units, ceiling suspended, ducted units
- For use with air conditioners up to 5.6 tons
- U.L. listed
- CSA certified
- Detection Levels:: On=5/8", Off=7/16", Alarm=3/4"
- Maximum Suction Head: 10 ft
- Max imum Discharge Head: 33 ft
- Electric Power: 14 W
- Maximum Flow Rate: 5.0 gph
- Dimensions: 2-5/8" L x 1-3/4" W x 2-3/8" H

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89304	SI-30 120V 5GPH MINI CONDENSATE REMOVAL PUMP	

RECTORSEAL Desolv™ Mini-Split Cleaners

For Evaporator Coils and Blower Fans



82561



82562

Desolv Aerosal Cleaner

- Safe for indoor use
- Completely biodegradable
- Low odor
- Will not corrode parts

Desolv Kit

Use to deep clean indoor evaporator of mini-split A/C units located in areas where wall and floor protection is necessary

Kit Includes:

- 1 gallon Desolv cleaning solution
- (2) single-use funnel bags
- C-Band frame assembly
- Cleaning brush
- 5 gallon drain pail



82560

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	65167	82561 AEROSOL 16 OZ MINI-SPLIT CLEANER	
1	EA	65166	82560 DESOLV KIT MINI SPLIT CLEANING KIT	
10	EA	65168	82562 FUNNEL BAG FOR DESOLV MINI-SPLIT CLEANING	

Nu-Calgon CompleteCare Mini-Split Cleaning Kit

- Cleans, disinfects, and deodorizes
- Controls mold and mildew
- Disinfects against Staphylococcus aureus, Salmonella enterica and Pseudomonas aeruginosa
- Protects condensate pans and lines from plugging
- Treats 2–3 Mini-Splits



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	96012	4151-08 COMPLETE CARE MINI-SPLIT KIT	

Mini-Split Tool Kit



MSKIT 1 Includes

- 20-pocket tool bag (#MSKIT1-BAG)
- 60" Kobra hose set (#CCLS-60)
- Patriot Brass manifold with 2-1/2" gauges (#22500)
- 1/4" Shield refrigerant locking caps (#SHLD-P4)
- Ratcheting flare tool (#T30600)
- Torque wrench kit (#TRQ-1080)
- Hex key set (#T30605)
- Valve core remover (#A32525N)
- (5) 1/4" brass caps (#NFT5-4)
- (2) Brass adapters (#A31656)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83283	MSKIT1 MINI SPLIT TOOL KIT	

Vinyl Drain Hose

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	41624	79131 1/4 ID 100FT VINYL HOSE	

CycleMaster Flare Ball Valve

Insulation Covers Included



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89584	A 18567 CYCLEMASTER 1/4" FLARE BALL VALVE W/INSULATION COVERS	
1	EA	89184	A 18568U CYCLEMASTER 3/8" FLARE BALL VALVE W/INSULATION COVERS	
1	EA	89585	A 18569U CYCLEMASTER 1/2" FLARE BALL VALVE W/INSULATION COVERS	
1	EA	89185	A 18570 CYCLEMASTER 5/8" FLARE BALL VALVE W/INSULATION COVERS	

Honeywell Tray Cable

Genesis® Series Cable

14 and 16 Gauge



This cable consists of 4 bare copper insulated conductors cabled with a mylar wrap and an oil and sunlight resistant overall jacket. UL listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	RLL	76707	10703908 14-4 50' STRANDED THHN 600V TRAY CABLE (58225705)			
1	RLL	76713	10700108 14-4 250' STRANDED THHN 600V TRAY CABLE (58225703)			
1	RLL	76731	10683908 16-4 50' STRANDED THHN 600V TRAY CABLE (58583505)			
1	RLL	76732	10680108 16-4 250' STRANDED THHN 600V TRAY CABLE (58583501)			

MITSUBISHI ELECTRIC Accessories and Replacement Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89280	025-38675-000 PRESSURE SWITCH	
1	EA	66052	031-01976-000 305023FRP CONTROL BOARD	
1	EA	89270	E02268300 INDOOR FAN MOTOR	
1	EA	89422	E12001504 SLEEVE BEARING	
1	EA	89474	E12270300 INDOOR FAN MOTOR	
1	EA	89219	E12271900 COMPRESSOR (T92667600)	
1	EA	89475	E12272900 COMPRESSOR	
1	EA	89215	E12289900 COMPRESSOR RH-140-WGJT	
1	EA	89476	E12527083 REMOTE HOLDER	
1	EA	89278	E12527302 LINE FLOW FAN	
1	EA	89426	E12534100 CATECHIN AIR FILTER	
1	EA	66066	E12541426 REMOTE CONTROLLER	
1	EA	89427	E12751509 BEARING MOUNT	
1	EA	89216	E12784900 COMPRESSOR (E02784900)	
1	EA	89477	E12851501 PROPELLER	
1	EA	89428	E12853900 COMPRESSOR	
1	EA	89223	E12897302 LINE FLOW FAN (E02897302)	
1	EA	89478	E12897308 ROOM TEMP THERMISTOR	
1	EA	89423	E12897702 DRAIN HOSE	
1	EA	89224	E12915100 CATECHIN AIR FILTER LEFT	
1	EA	89225	E12916100 CATECHIN AIR FILTER RIGHT	
1	EA	89281	E12927232 CABINET	
1	EA	89449	E12927662 STOP VALVE (LIQ)	
1	EA	89257	E12A49426 REMOTE CONTROLLER	
1	EA	66090	E12A49452 MS-A09WA CONTROL P.C. CIRCUIT BOARD	
1	EA	89470	E12A50452 CONTROL P.C. BOARD	
1	EA	89275	E12A50900 COMPRESSOR	
1	EA	89277	E12A53444 NOISE FILTER P.C. BOARD	
1	EA	89276	E12A53450 OUTDOOR CONTROL P.C. BOARD	
1	EA	89265	E12A55452 CONTROL P.C. BOARD	
1	EA	89274	E12A56451 INVERTER P.C. BOARD	
1	EA	89217	E12A56900 COMPRESSOR SNB130FPDH	
1	EA	89460	E12A56961 4-WAY VALVE	
1	EA	89471	E12A58300 FAN MOTOR	
1	EA	89258	E12A58301 OUTDOOR FAN MOTOR	
1	EA	89227	E12A58440 POWER BOARD (E02A58440)	
1	EA	89279	E12A58444 NOISE FILTER P.C. BOARD	
1	EA	89430	E12C15440 POWER BOARD	
1	EA	89226	E12C24300 INDOOR FAN MOTOR	
1	EA	89421	E12C24300 INDOOR FAN MOTOR	
1	EA	89161	E12C26426 REMOTE CONTROLLER	
1	EA	89160	E12C85426 REMOTE CONTROLLER	
1	EA	89263	E12C92100 CATECHIN AIR FILTER	
1	EA	89439	E12C92300 INDOOR FAN MOTOR	
1	EA	89440	E12D20440 POWER BOARD	
1	EA	89445	E12D21444 NOISE FILTER P.C. BOARD	
1	EA	89472	E12D38444 NOISE FILTER P.C. BOARD	
1	EA	89260	E12E34900 COMPRESSOR	
1	EA	89162	E12E79426 REMOTE CONTROLLER	
1	EA	89420	E12E79440 POWER P.C. BOARD	
1	EA	89163	E12E83426 REMOTE CONTROLLER	
1	EA	89158	E12F15450 CONTROL BOARD	
1	EA	89431	E12F26300 INDOOR FAN MOTOR	
1	EA	89446	E12F28100 NANO PLATINUM FILTER	
1	EA	89157	E12F54450 CONTROL BOARD	
1	EA	89461	E12F63100 NANO PLATINUM FILTER	
1	EA	89264	E12F76900 COMPRESSOR	
1	EA	89462	E12G40452 CONTROL P.C. BOARD	
1	EA	89473	E12G41300 FAN MOTOR	
1	EA	89199	E12G74451 INVERTER P.C. BOARD	
1	EA	89432	E12G77451 INVERTER P.C. BOARD	

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Accessories and Replacement Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89447	E12G78451 INVERTER P.C. BOARD	
1	EA	89463	E12J43451 INVERTER P.C. BOARD	
1	EA	89448	E12J68451 INVERTER PC BOARD	
1	EA	89198	E17250382 FUSE 6.3A 250V	
1	EA	89464	E17676447 INDOOR CONTROL BOARD	
1	EA	65722	ICM379M MUM 18 COIL SENSOR	
1	EA	89228	M210A0424 NOISE FILTER BOARD	
1	EA	89267	M210A2248 REAR PANEL	
1	EA	89284	M2190V646 EXPANSION VALVE	
1	EA	89229	M219T4440 POWER BOARD (M210A1440)	
1	EA	89176	PAC-SE81KF-E PCA INDOOR UNITS HIGH EFFICIENCY FILTER ELEMENT	
1	EA	89175	PAC-SH59KF-E ALL PLA-ABA MODELS HIGH EFFICIENCY MERV 10 FILTER	
1	EA	89437	R0112G105 RUBBER MOUNT	
1	EA	89419	R0116G105 RUBBER MOUNT 1/PK	
1	EA	89230	R01600425 CAPILLARY TUBE	
1	EA	89450	R01A17500 AIR FILTER	
1	EA	89433	R01E02103 BEARING - SLEEVE	
1	EA	89231	R01E03103 SLEEVE BEARING (R0112G103)	
1	EA	89416	R01E04103 BEARING - SLEEVE	
1	EA	89266	R01E04115 RIGHT LINE FLOW FAN	
1	EA	89465	R01E05115 LINE FLOW FAN (RIGHT)	
1	EA	89232	R01E06239 FUSE - 250V 6.3 AMP	
1	EA	89479	R01E07233 ACT MODULE	
1	EA	89441	R01E13500 L.L. FILTER	
1	EA	89452	R01E14239 FUSE 6.3A 250V	
1	EA	89434	R01E14500 FILTER	
1	EA	89435	R01E15500 FILTER	
1	EA	89466	R01E22346 NOISE FILTER	
1	EA	89453	R01E23114 LEFT LINEFLOW FAN	
1	EA	89467	R01E24114 LINE FLOW FAN (LEFT)	
1	EA	89480	R01E24500 AIR FILTER	
1	EA	89272	R01E52221 FAN MOTOR	
1	EA	89233	R01E59220 FAN MOTOR (R01E43220)	
1	EA	89436	R01E65313 POWER BOARD	
30	EA	89468	R01E94202 THERMISTOR	
1	EA	66077	R01J01202 THERMISTOR (ROOM TEMP)	
1	EA	89013	R01J07202 THERMISTER	
1	EA	89234	R01KV5102 BEARING MOUNT	
1	EA	89469	R01N01202 THERMISTOR OUTDOOR PIPE	
1	EA	89417	R01Z61102 BEARING MOUNT	
1	EA	89443	R61051280 M-NET BOARD	
1	EA	89454	R616A7280 MAIN BOARD	
1	EA	89482	R61N96282 G/A BOARD	
1	EA	89442	R61S84280 INV BOARD	
1	EA	89444	R63670202 THERMISTOR	
1	EA	89424	R63T01206 HIGH PRESURE SENSOR KIT	
1	EA	89155	T2W9T8451 CONTROL BOARD	
1	EA	89256	T2WE88451 CO P.B. ASSY	
1	EA	89483	T2WEA0988 INVERTER CHECKER	
1	EA	89269	T2WEL8451 CO P.B. ASSY	
1	EA	89271	T2WEMW451 ELECTRONIC CONTROL PC BOARD	
1	EA	89156	T2WF2S451 (T2W9T9451) CONTROL BOARD	
1	EA	89425	T2WF2T451 (T2W4K3451) CO P.B. ASSY	
1	EA	89418	T2WF2Y451 (T2W4K2451) CO P.B. ASSY	
1	EA	89455	T2WL7V440 POWER BOARD	
1	EA	89159	T2WL7V451 CONTROL BOARD	
1	EA	89235	T2WL7V451 CO P.B. ASSY (TWJ7E451)	
1	EA	66110	T7W850315 CONTROL BOARD	
1	EA	89484	T7W850763 MOTOR - FAN	
1	EA	89268	T7W969238 PROTECTOR-MOTOR	
1	EA	89283	T7WA13708 CONTACTOR	
1	EA	89456	T7WA30708 CONTACTOR	
1	EA	89237	T7WB05762 FAN MOTOR (T7WB00762)	
1	EA	89485	T7WB06762 FAN MOTOR	
1	EA	66095	T7WE01713 REMOTE CONTROLLER	

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Accessories and Replacement Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89012	T7WE08315 CONTROLLER BOARD	
1	EA	89486	T7WE10201 THERMISTOR SHELL	
1	EA	89487	T7WE14355 DRAIN PUMP	
1	EA	89238	T7WE20346 NOISE FILTER BOARD	
1	EA	89488	T7WE28763 FAN MOTOR	
1	EA	89489	T7WE30762 FAN MOTOR	
1	EA	89438	T7WE31763 FAN MOTOR (T7WE27763)	
1	EA	89239	T7WE34313 POWER BOARD (T7WE19313)	
1	EA	89262	T7WE35313 POWER BOARD	
1	EA	89429	T7WE38313 POWER CIRCUIT BOARD	
1	EA	89273	T7WE47313 POWER CIRCUIT BOARD	
1	EA	89457	T7WE47315 CONTROLLER BOARD	
1	EA	89240	T7WE56310 CONTROLLER BOARD (T7WE46310)	
1	EA	89236	T7WE72313 POWER BOARD (T7WE62313)	
1	EA	89458	T7WE84315 CONTROLLER CIRCUIT BD	
1	EA	89153	T7WE94315 CONTROL BOARD	
1	EA	89259	T92505801 COMPRESSOR	
1	EA	89241	T92506801 (T92501801) COMPRESSOR TNB220FLDM	
1	EA	89218	T92513200 COMPRESSOR KH122WES(E02268900)	
1	EA	89220	T97501400 COMPRESSOR (T97517300)	
1	EA	89221	T97503400 COMPRESSOR (T97518300)	
1	EA	89222	T97531452 COMPRESSOR (T97665600)	
1	EA	89261	T97665600 COMPRESSOR	

The CITY MULTI Advantage

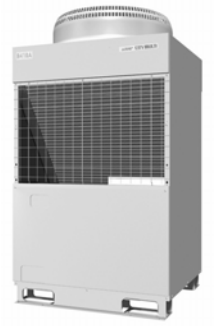
CITY MULTI is the first 2-pipe simultaneous cooling and heating system available in the United States and around the world. This technology has a long and proven track record of quality and reliability. The CITY MULTI VRF (Variable Refrigerant Flow) system takes advantage of Inverter technology by varying the speed of the compressor in the outdoor unit to meet the changing load requirements in each of the indoor zones.

CITY MULTI VRF systems provide the flexibility to meet any application, ranging from simple to complex. The best way to ensure total comfort for the occupants of offices, schools, hospitals, assisted-living facilities, hotels, and others is to provide each individual zone with a personalized comfort system. Zoning offers maximum individual comfort and energy savings because each zone receives conditioning only when it needs it. Each zone of the CITY MULTI system has its own indoor unit or group of indoor units that precisely control the indoor temperature, while operating with minimal energy usage. You set the comfort level, then relax.

The CITY MULTI technology is designed to allow building owners and designers as many opportunities as possible to attain Leadership in Energy and Environmental Design (LEED) points when designing and applying CITY MULTI. Mitsubishi Electric is a corporate member of U.S. Green Building Council (USGBC) and is committed to sustainable products and design. CITY MULTI VRF technology may contribute to a building receiving LEED points in areas of Energy and Atmosphere and Indoor Air Quality.

NOTE: When quoting CITY MULTI Equipment, please contact the commercial sales team at 630-932-8777.

R2 Series Heat Pumps



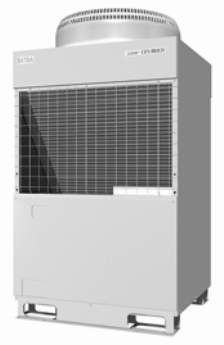
The R-2 Series simultaneously cools and heats different zones within a building to provide energy-saving, heat-recovery operation through the use of the BC controller. This means less work is required of the outdoor unit, which translates into energy savings and increased overall capacity. The R-2 Series can support up to 50 indoor units. The modular unit design features low operating sound, easy piping, and maintenance design. Lightweight materials and R-2 Series units are available in both 208/230V and 460V for various applications.

NOTE: When quoting CITY MULTI Equipment, please contact the commercial sales team at 630-932-8777.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	69611	PURY-P144TGMU-A 144,000 BTUH CITY-MULTI R-2 SERIES OUTDOOR UNIT
1	EA	88100	PURY-P72THMU-A 72,000 BTUH CITY-MULTI R-SERIES MODULAR CONDENSING

Y-Series Heat Pumps



Y-Series outdoor units are flexible enough to cool or heat up to 50 individual zones, maximizing building design options. The modular unit design features a small footprint, low operating sound, lightweight materials, and easy piping and maintenance design. Y-Series units are available in both 208/230V and 460V for various applications.

NOTE: When quoting City Multi Equipment, please contact the commercial sales team at 630-932-8777.

Prices Available on Request

STD PKG	U/M	BERCRO NUMBER	DESCRIPTION
1	EA	69634	PUHY-P72TJMU-A 72,000 BTUH CITY-MULTI Y SERIES OUTDOOR UNIT
1	EA	69637	PUHY-P144TJMU-A 144,000 BTUH CITY MULTI Y SERIES OUTDOOR UNIT
1	EA	88103	PUHY-P72THMU-A 72,000 BTUH CITY-MULTI Y-SERIES MODULAR CONDENSING
1	EA	88104	PUHY-P96TJMU-A 96,000 BTUH CITY-MULTI Y-SERIES MODULAR CONDENSING
1	EA	88105	PUHY-P120TJMU-A 120,000 BTUH CITY-MULTI Y-SERIES OUTDOOR UNIT

Hyper-Heating (H2i) Heat Pumps

Inverter Driven



Hyper-Heating Inverter Y-Series units combine the ultimate in application flexibility with powerful cooling and heating capabilities to deliver precise comfort control to multiple zones in a building. Providing up to 100% heating capacity at -4° F outdoor temperature and 84% capacity at -13° outdoor temperature, the H2i unit is the perfect choice for year round comfort even in the coldest of climates.

NOTE: When quoting City Multi Equipment, please contact the commercial sales team at 630-932-8777.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	69639	PUHY-HP72TJMU-A 72,000 BTUH CITY-MULTI HYPER HEAT OUTDOOR UNIT
1	EA	69643	PUHY-HP96TJMU-A 96,000 BTUH CITY-MULTI HYPER HEAT OUTDOOR UNIT

S-Series Heat Pumps



The S-Series is a single-phase system perfect for light commercial or large residential applications. Available in 36,000 or 48,000 BTU/h, the S-Series can provide cooling or heating for up to eight individual zones.

NOTE: When quoting City Multi Equipment, please contact the commercial sales team at 630-932-8777.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	88106	PUMY-P36NHMU 36,000 BTUH CITY-MULTI S-SERIES OUTDOOR UNIT

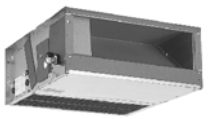
Indoor Units

Mitsubishi Electric's wide selection of indoor unit styles allows you to choose the appropriate style and size that meets your requirements for layout and design.

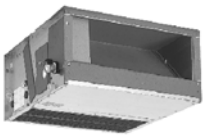
NOTE: When quoting CITY MULTI Equipment, please contact the commercial sales team at 630-932-8777.



PCFY



PDFY



PEFY
Ceiling-Concealed



PFFY
Floor-Standing Exposed



PFFY
Floor-Standing Concealed



PKFY
Wall Mounted



PLFY
Ceiling-Recessed Cassette



PMFY (1-Way)
Ceiling-Recessed Cassette

Water-Source Units

W-Series WR2, WY Heat Recovery and Heat Pump Systems



W-Series units combine the convenience of water-source systems with VRF technology. These units are easily installed indoors, and can be used on a range of closed water loop applications, including geothermal. The W-series includes WR2 heat recovery units for simultaneous cooling and heating, and powerful heat pump WY models. New modular design up to 30 tons of maximum capacity. Available in 208/230 460V capacity.

NOTE: When quoting CITY MULTI Equipment, please contact the commercial sales team at 630-932-8777.

Controls Network



BC Controller



AG-150 Touch



GB24 Controller for PC



GB50ADA



DIDO/AI Control



PAC-YT51CRB



PAR-21MAA, PAR-F27MEA Remote Controllers



PAR-30MAA



TC-27 Touch Screen



Wireless Remote

Branch Circuit (BC) Controllers

The BC Controller is the technological heart of CITY MULTI R2-Series Systems. It works in unison with the outdoor unit to provide simultaneous cooling and heating. The BC Controller is connected to the outdoor unit by two pipes and to each indoor unit by a series of two refrigerant pipes, depending on the number of indoor units. The BC Controller is required for all CITY MULTI R2-Series installations and comes in 5-, 6-, 8-, 10-, 13-, and 16-branch options. The BC Controller selected depends on how many indoor units will be operated from each outdoor unit and your total capacity. Up to three BC Controllers may be connected to a R-410A R2-Series system. There are three types of BC Controllers: Single (-G), Main (-GA), and Sub (-GB/HB).

CITY MULTI Controls Network (CMCN)

Mitsubishi Electric's M-NET communication bus allows CMCN to deliver precise temperature control to each individual zone. The M-NET allows for a simple installation and configuration of CMCN components. The flexibility of CMCN allows building owners to customize the levels of control from remote controllers for the occupant in the space, from PC browsers for building engineers, and via BACnet® and LonWorks® interfaces for the BMS.

NOTE: When quoting CITY MULTI Equipment, please contact the commercial sales team at 630-932-8777.

BOSCH Inverter Ducted Split System

Air-to-Air Heat Pumps



- Ultra-efficient inverter drive system delivers up to 18 SEER
- Variable capacity control to precisely match the cooling/heating load
- Quiet and compact with sound levels as low as 56dB
- 10-year limited warranty

ARI 214/240 Performance Data

Condensing Unit	Air Handler	Cooling Capacity Btuh	SEER	EER	Heating Capacity High 47° F	Heating Capacity Low 17° F	HSPF	CFM
036CS	036	34,600	17.5	11.6	33,600	24,000	9.5	1180
060CS	060	57,000	17.5	11.2	55,000	40,000	9.5	1700

Model 036 CS

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81631	BOVA-36HDN1-M18M ODU 36K BTU INVERTER CONDENSING UNIT	
1	EA	81630	BVA-36WN1-M18 IDU 36K BTU SMALL CABINET AIR HANDLER UNIT	

Model 060 CS

1	EA	81632	BOVA-60HDN1-M18M ODU 60K BTU INVERTER CONDENSING UNIT	
1	EA	81633	BVA-60WN1-M18 IDU 60K BTU AIR HANDLER UNIT	

Electrical Heaters

1	EA	81634	7739832077 EHK-10A ELECTRICAL HEATER IDS OPTION	
1	EA	81659	7739832079 EHK-20A ELECTRICAL HEATER IDS OPTION	

Cased Coils

1	EA	81635	BMAC2430ANTD 24K BTUH CASED A-COIL, H/V MNT, 14.5"	
1	EA	81636	BMAC3036ANTD 36K BTUH CASED A-COIL, H/V MNT, 14.5"	
1	EA	81637	BMAC3036BNTD 36K BTUH CASED A-COIL, H/V MNT, 17.5"	
1	EA	81638	BMAC3036CNTD 36K BTUH CASED A-COIL, H/V MNT, 21"	
1	EA	81639	BMAC4248CNTF 48K BTUH CASED A-COIL, H/V MNT, 21"	
1	EA	81661	BMAC4860CNTF 60K BTUH CASED A-COIL, H/V MNT, 21"	

Parts and Accessories

1	EA	81641	8733941796 FOR BOVA-36 MAIN CONTROL BOARD ASSEMBLY	
1	EA	81642	8733941799 CAPACITOR FOR FAN MOTOR	
1	EA	81643	8733941801 NUT	
1	EA	81644	8733941802 FAN	
1	EA	81645	8733941803 MOTOR	
1	EA	81646	8733941815 FOR BOVA-36 4-WAY VALVE ASSEMBLY	
1	EA	81647	8733941821 FOR BOVA-36 HIGH PRESSURE VALVE ASSEMBLY	
1	EA	81648	8733941829 FOR BOVA-36 COMPRESSOR	
1	EA	81649	8733941838 E-PART BOX ASSEMBLY	
1	EA	81650	8733941846 BLDC	
1	EA	81652	8733941860 FOR BOVA-60 HIGH PRESSURE VALVE ASSEMBLY	
1	EA	81653	8733941865 FOR BOVA-60 COMPRESSOR	
1	EA	81654	8733941884 FOR BOVA-60 MAIN CONTROL BOARD ASSEMBLY	
1	EA	81655	8733941887 TRANSFORMER	
1	EA	81656	8733941926 BLOWER ASSY, WRAPPER/WHEEL	
1	EA	81657	8733941930 BLOWER MOTOR	
1	EA	81658	8733941934 BLOWER MOTOR-3T SMALL CABINET	
1	EA	81651	8733941955 FOR BOVA-60 4-WAY VALVE ASSEMBLY	

Comfort-Aire® HBH Series Commercial Geothermal Heat Pumps



The HB Series commercial water source heat pumps are ideal replacements for older water source heat pump installations. With an innovative cabinet design, there are models to fit just about any existing location. Multiple access panels make installation easy, especially in tight spots.

- Cabinet features galvanized steel construction.
- Water source heat pump systems transfer energy within the building envelope to ensure none is lost and to provide a highly efficient heat/cool system
- Performance Sentinel: Monitors performance and signals potential unit problems before a lockout occurs
- Copeland scroll compressors featured on 024 and larger models.
- PSC 3-Speed Fan Motor for efficiency
- Quiet operation achieved via the double isolation compressor mounting that reduces vibration, the blower housing that is covered in noise suppression material, and the insulated divider that separates the compressor and air handler compartments
- State-of-the-art electronic controls prevent damage from short cycling by monitoring key system points including low or high voltage, high or low refrigerant temperature/pressure, air coil or water coil freeze, and condensate overflow
- Compressor discharge muffler included on 015 to 060 models

Model No.	PSC Motor Speeds	Blower Wheel Size	Water Connection FPT (In)	Coax Vol. (Gal)	Air Coil H x W (In)	Cooling @ 86° F EWT	EER	Heating @ 68° F EWT	COP	Ship Wt. (Lbs)
HBH024	3	9x7	3/4	0.286	16 x 22	23,700	13.4	28,500	4.7	194
HBH030	3	9x7	3/4	0.323	16 x 22	28,100	13.4	35,100	4.6	202
HBH036	3	9x8	3/4	0.323	20 x 25	34,500	13.5	45,200	4.4	209

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88143	HBH024A8C30CRS 24K BTU 265-1-60 RH COMMERCIAL HORIZONTAL HP	
1	EA	88144	HBH030A3C30CRS 30K BTU 208/230-3-60 RH COMMERCIAL HORIZONTAL HP	
1	EA	88145	HBH030A4C30CRS 30K BTU 460-3-60 RH COMMERCIAL HORIZONTAL HP	
1	EA	88146	HBH036A3C30CRS 36K BTU 208/230-3-60 RH COMMERCIAL HORIZONTAL HP	

GeoMax 2 Geothermal Heat Pump

R-410A, High Efficiency, Two-Stage



The 2-stage design of this unit allows it to run at 67% capacity the majority of the time while being able to swith to 100% capacity when there is a demand for greater heating or cooling. This capability lowers annual operating costs while maintaining a consistent temperature and a healthy humidity level.

- 12-year compressor warranty
- 6-year parts warranty

Features

- Quiet operation
- ECM motor
- Two stage compressor
- Microprocessor controls
- CuNI coil
- Extended operating range: 20° to 120° F
- Hot water generator (desuper heater)
- Stainless steel drain pan

Model Number	Capacity Modulation	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
		Cooling 86° F		Heating 68° F		Cooling 59° F		Heating 50° F		Cooling 77°F		Heating 32° F	
		Capacity BTUH	EER BTUH/W	Capacity BTUH	COP	Capacity BTUH	EER BTUH/W	Capacity BTUH	COP	Capacity BTUH	EER BTUH/W	Capacity BTUH	COP
HTV060	Full	61,450	13.9	72,200	4.6	68,500	20.3	59,450	4.1	64,750	16.2	47,950	3.6
	Part	44,850	16.3	51,000	5.2	51,800	27.5	41,650	4.4	49,750	23.4	37,450	4.0

Electrical Data

Model	Rated Voltage 60 Hz/1 Ph	Voltage Min/Max	Compressor			HWG Pump FLA	Ext Loop FLA	Fan Motor FLA	Total Unit FLA	Min. Circ Amp	Max. Fuse Size	Ship Weight (Lbs.)
			RLA	LRA	Qty							
HTV060	208-230	197/254	25.6	121.5	1	0.4	4.0	7.0	37.0	43.4	60	453

Heat Pump & Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88004	HTV060A1C01JRK 5 TON 2 STAGE 410A RIGHT RETURN GEOTHERMAL	
1	EA	88014	7602-204 3/4" 4 GPM FLOW CONTROL FOR GEOTHERMAL	
1	EA	88015	7602-205 3/4" 5 GPM FLOW CONTROL FOR GEOTHERMAL	
1	EA	88016	7602-206 3/4" 6 GPM FLOW CONTROL FOR GEOTHERMAL	
1	EA	88017	7602-207 3/4" 7 GPM FLOW CONTROL FOR GEOTHERMAL	
1	EA	88010	UPS26-99FC 230V 3-SPD CAST IRON PUMP L/FLANGE W/CHECK VALVE	

GeoTec™ Step Capacity Geothermal Heat Pumps, R-410A

GVXXS3 Models, Multi-Capacity, Two-Stage



The GeoTec™ Geothermal/Water Source Packaged Heat Pump delivers economical year-round comfort by utilizing nature's most abundant and efficient solar energy collector—the earth. The GV series heat pumps are designed for low water flow rates and offer cooling efficiencies up to 30.2 EER and heating efficiencies up to 5.1 COP on ground water, and cooling efficiencies up to 26.2 EER and heating efficiencies up to 3.9 COP on ground loop.

Ground Water Application: Water temp 45° to 75°

Ground Loop Application: Temp range 25° to 110°

- Step capacity compressor
- Liquid line drier
- Lockout circuit
- High pressure switch
- Control panel
- Low pressure switch
- High efficiency coaxial water coil either copper or cupronickel
- Indoor air coil
- Service access ports
- Filter rack
- Thermostatic expansion valve

Model No.	Electrical Rating	Min. Circuit Ampacity	Blower Motor			2" Pleated MERV 6	Shipping Wt. (Lbs.)
			HP/Speed/Type	Amps	Face Area Sq. Ft./Rows/Fins Per Inch		
GV27S3-AA	230/208-1	19	1/3 / 5 / ECM	1.5/1.6	3.16/4/11	20 x 25 x 2 (1)	340
GV38S3-AA	230/208-1	24	1/2 / 5 / ECM	2.5/2.95	3.16/4/11	20 x 25 x 2 (1)	345
GV51S3-AA	230/208-1	32	1/2 / 5 / ECM	2.8/3.0	5.33/3/11	16 x 25 x 2 (2)	390
GV61S3-AA	230/208-1	40	3/4 / 5 / ECM	3.8/4.1	5.33/4/11	16 x 25 x 2 (2)	440
GV71S3-AA	230/208-1	44	3/4 / 5 / ECM	4.1/4.2	5.33/5/10	16 x 25 x 2 (2)	450

Model No.	System Capacity Modulation	Fluid Flow Rate GPM	Airflow CFM	Ground Loop Heat Pump			
				Cooling Brine Full Load 77° F Part Load 68° F		Heating Brine Full Load 32° F Part Load 41° F	
				Capacity BTUH	EER BTU/W	Capacity BTUH	COP
GV27	Full	7	1000	26,600	18.1	20,200	4.1
	Part	7	800	20,800	26.0	17,100	4.6
GV38	Full	9	1300	38,500	17.1	31,400	4.1
	Part	9	900	28,600	24.9	24,200	4.5
GV51	Full	12	1500	49,500	17.1	39,500	3.8
	Part	12	1150	38,600	23.8	32,000	4.2
GV61	Full	15	1600	60,500	16.5	49,000	3.6
	Part	15	1300	46,500	21.5	39,000	3.9
GV71	Full	16	1750	69,500	15.3	57,000	3.7
	Part	16	1450	56,500	19.8	48,450	4.0

Model No.	System Capacity Modulation	Fluid Flow Rate GPM	Airflow CFM	Ground Water Heat Pump			
				Cooling–EWT 59° F		Heating–EWT 50° F	
				Capacity BTUH	EER BTU/W	Capacity BTUH	COP
GV27	Full	7	1000	26,600	24.5	26,200	5.2
	Part	7	800	22,200	30.2	19,800	5.4
GV38	Full	9	1300	41,400	22.0	38,600	4.7
	Part	9	900	30,200	29.5	27,600	5.0
GV51	Full	12	1500	53,500	21.7	49,500	4.5
	Part	12	1150	40,500	29.1	36,000	4.6
GV61	Full	15	1600	65,500	20.5	62,500	4.1
	Part	15	1300	49,500	25.8	45,500	4.3
GV71	Full	16	1750	75,500	19.9	73,500	4.2
	Part	16	1450	59,000	23.5	56,000	4.4

Heat Pumps with Copper Water Coil

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88312	GV27S3AAC 2 TON GEOTEC HEAT PUMP COPPER	
1	EA	88313	GV38S3AAC 3 TON GEOTEC HEAT PUMP COPPER	
1	EA	88314	GV51S3AAC 4 TON GEOTEC HEAT PUMP COPPER	
1	EA	88315	GV61S3AAC 5 TON GEOTEC HEAT PUMP COPPER	
1	EA	88316	GV71S3AAC 6 TON GEOTEC HEAT PUMP COPPER	

Continued on the Following Page

Heat Pumps with Cupro-Nickel Water Coil

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88317	GV27S3AAN 2 TON GEOTEC HEAT PUMP CUPRO-NICKEL	
1	EA	88318	GV38S3AAN 3 TON GEOTEC HEAT PUMP CUPRO-NICKEL	
1	EA	88319	GV51S3AAN 4 TON GEOTEC HEAT PUMP CUPRO-NICKEL	
1	EA	88320	GV61S3AAN 5 TON GEOTEC HEAT PUMP CUPRO-NICKEL	
1	EA	88321	GV71S3AAN 6 TON GEOTEC HEAT PUMP CUPRO-NICKEL	

Electric Heater Packages

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
GV27S1 and GV38S1	1	EA	88031	EH3GSVA-A09C 9KW ELECTRIC HTR PKG 240/208V	
GV51S1, 61S1, and 71S1	1	EA	88032	EH5GSVA-A09C 9KW ELECTRIC HTR PKG 240/208V	
GV51S1, 61S1, and 71S1	1	EA	88033	EH5GSVA-A14C 14KW ELECTRIC HTR PKG	

Water Heating Pump Module

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88034	GVDM-26 5/8" LINE 115V DOMESTIC WATER HTG PUMP MODULE	

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88035	DORFC-2 2 PUMP LOOP MODULE LOOP FLOW CENTER W/CABINET	
1	EA	88036	DORLFCK-1 LOOP FLOW CENTER KIT	
1	EA	88037	DORB1-S-4HC 1" HOSE BARB LOOP SIDE CONNECTIONS	
1	EA	88038	GWK-1 GROUND WATER KIT	
1	EA	88039	CFV-5 3/4" FPT 5 GPM CONSTANT FLOW VALVE	
1	EA	88040	CFV-6 3/4" FPT 6 GPM CONSTANT FLOW VALVE	
1	EA	88041	CFV-7 3/4" FPT 7 GPM CONSTANT FLOW VALVE	
1	EA	88042	CFV-9 3/4" FPT 9 GPM CONSTANT FLOW VALVE	
1	EA	88043	CFV-10 3/4" FPT 10 GPM CONSTANT FLOW VALVE	
1	EA	88044	8603-017 1-17 GPM 1" FPT FLOW METER	
1	EA	88124	8603-033 3/4" FPT 24V BRASS BALL VALVE W/END SWITCH	
1	EA	88121	8603-006 1" FPT 24V PVC SOLENOID VALVE	

Honeywell Sediment Removing Water Filters with Reverse Rinsing and Rinsable Fine Filters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74230	F76S1015 WATER FILTER 3/4 INCH SWEAT & THREADED MNPT	
1	EA	74231	F76S1023 WATER FILTER 1 INCH SWEAT & THREADED MNPT	

GeoTec™ Step Capacity Geothermal Heat Pumps, R-410A

GVXX-S1 Models, Multi-Capacity, Two-Stage



The GeoTec™ Geothermal/Water Source Packaged Heat Pump delivers economical year-round comfort by utilizing nature's most abundant and efficient solar energy collector—the earth. The GV series heat pumps are designed for low water flow rates and offer cooling efficiencies up to 30.6 EER and heating efficiencies up to 5.4 COP on ground water, and cooling efficiencies up to 26.2 EER and heating efficiencies up to 4.8 COP on ground loop.

Ground Water Application: Water temp 45° to 75°

Ground Loop Application: Temp range 25° to 110°

- Step capacity compressor
- Liquid line drier
- Lockout circuit
- High pressure switch
- Control panel
- Low pressure switch
- High efficiency coaxial water coil either copper or cupronickel
- Indoor air coil
- Service access ports
- Filter rack
- Thermostatic expansion valve

Model No.	Electrical Rating	Min. Circuit Ampacity	Blower Motor			2" Pleated MERV 6	Shipping Wt. (Lbs.)
			HP/Speed/Type	Amps	Face Area Sq. Ft./Rows/Fins Per Inch		
GV27S1-A	230/208-1	17	1/3 / 5 / ECM	1.5/1.6	3.16/4/11	20 x 25 x 2 (1)	340
GV61S1-A	230/208-1	38	3/4 / 5 / ECM	3.8/4.1	5.33/4/11	16 x 25 x 2 (2)	440
GV71S1-A	230/208-1	41	3/4 / 5 / ECM	4.1/4.2	5.33/5/10	16 x 25 x 2 (2)	450

Model No.	System Capacity Modulation	Fluid Flow Rate GPM	Airflow CFM	Ground Loop Heat Pump			
				Cooling Brine Full Load 77° F Part Load 68° F		Heating Brine Full Load 32° F Part Load 41° F	
				Capacity BTUH	EER BTU/W	Capacity BTUH	COP
GV27	Full	7	1000	27,000	17.7	20,000	4.1
	Part	7	800	21,800	26.2	17,800	4.8
GV61	Full	15	1600	61,500	16.6	47,500	3.6
	Part	15	1300	47,500	22.1	39,000	3.9
GV71	Full	16	1750	70,000	15.0	53,600	3.7
	Part	15	1450	56,000	19.5	47,000	4.0

Model No.	System Capacity Modulation	Fluid Flow Rate GPM	Airflow CFM	Ground Water Heat Pump			
				Cooling–EWT 59° F		Heating–EWT 50° F	
				Capacity BTUH	EER BTU/W	Capacity BTUH	COP
GV27	Full	5	1000	30,600	22.4	27,000	4.9
	Part	5	800	23,000	30.6	19,800	5.4
GV61	Full	9	1600	66,000	20.3	58,500	4.0
	Part	9	1300	49,500	26.3	43,000	4.3
GV71	Full	10	1750	73,500	18.1	67,500	4.1
	Part	10	1450	56,500	22.0	51,500	4.3

Heat Pumps with Copper Water Coil

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88025	GV27S1-AC 2 TON GEOTEC HEAT PUMP COPPER	
1	EA	88023	GV61S1-AC 5 TON GEOTEC HEAT PUMP COPPER	

Continued on the Following Page

Heat Pump with Cupro-Nickel Water Coil

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88029	GV71S1-AN 6 TON GEOTEC HEAT PUMP CUPRO-NICKEL	

Electric Heater Packages

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
GV27S1 and GV38S1	1	EA	88031	EH3GSVA-A09C 9KW ELECTRIC HTR PKG 240/208V	
GV51S1, 61S1, and 71S1	1	EA	88032	EH5GSVA-A09C 9KW ELECTRIC HTR PKG 240/208V	
GV51S1, 61S1, and 71S1	1	EA	88033	EH5GSVA-A14C 14KW ELECTRIC HTR PKG	

Water Heating Pump Module

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88034	GVDM-26 5/8" LINE 115V DOMESTIC WATER HTG PUMP MODULE	

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88035	DORFC-2 2 PUMP LOOP MODULE LOOP FLOW CENTER W/CABINET	
1	EA	88036	DORLFCK-1 LOOP FLOW CENTER KIT	
1	EA	88037	DORB1-S-4HC 1" HOSE BARB LOOP SIDE CONNECTIONS	
1	EA	88038	GWK-1 GROUND WATER KIT	
1	EA	88039	CFV-5 3/4" FPT 5 GPM CONSTANT FLOW VALVE	
1	EA	88040	CFV-6 3/4" FPT 6 GPM CONSTANT FLOW VALVE	
1	EA	88041	CFV-7 3/4" FPT 7 GPM CONSTANT FLOW VALVE	
1	EA	88042	CFV-9 3/4" FPT 9 GPM CONSTANT FLOW VALVE	
1	EA	88043	CFV-10 3/4" FPT 10 GPM CONSTANT FLOW VALVE	
1	EA	88044	8603-017 1-17 GPM 1" FPT FLOW METER	
1	EA	88121	8603-006 1" FPT 24V PVC SOLENOID VALVE	
1	EA	88124	8603-033 3/4" FPT 24V BRASS BALL VALVE W/END SWITCH	

Honeywell Sediment Removing Water Filters with Reverse Rinsing and Rinsable Fine Filters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74230	F76S1015 WATER FILTER 3/4 INCH SWEAT & THREADED MNPT	
1	EA	74231	F76S1023 WATER FILTER 1 INCH SWEAT & THREADED MNPT	

Geo-Trio™ Step-Capacity Geothermal Step-Capacity Heat Pumps, R-410A

High Efficiency, Multi-Capacity, Two-Stage



The Bard Geo-Trio™ Geothermal/Water Source Heat Pump delivers economical year-round comfort by utilizing nature's most abundant and efficient solar energy collector—the earth. The Geo-Trio™ series heat pumps are designed for low water flow rates and offer cooling efficiencies up to 29.1 EER and heating efficiencies up to 4.8 COP on ground water, and cooling efficiencies up to 24.9 EER and heating efficiencies up to 4.4 COP on ground loop.

Ground Water Application: Water temp 45° to 75°

Ground Loop Application: Temp range 25° to110°

- Step capacity compressor
- Liquid line drier
- Thermostatic expansion valve
- High pressure switch
- Low pressure switch
- Control panel
- High efficiency coaxial water coil in either copper or cupronickel
- Indoor air cool
- Lockout circuit
- Variable speed ECM blower motor

Model. No	Electrical Rating	Operating Voltage Range	Min. Circuit Ampacity	Compressor				Blower Motor			Shipping Weight (Lbs.)		
				Volts	Rated Load Amps (230/208)	Branch Circuit Selection Current	Locked Rotor Amps (230/208)	Horsepower (ECM Motor)	Volts/ Phase/ Hz	Motor Amps	"A" Coil Section	"B" Blower Section	"C" Compressor Section
GTC36S1	230/208-60-1	253-197 VAC	26.0	230/208-60-1	11.2/13.0	16.7	82/82	3/4 Variable Speed	230/208-60-1	3.4	93	95	248
GTC48S1			34.0		16.4/19.6	21.2	96/96			4.3	102		260
GTC60S1			38.0		19.2/23.6	25.6	118/118			4.4			293

Model No.	System Capacity Modulation	Fluid Flow Rate GPM	Airflow CFM	Ground Loop Heat Pump			
				Cooling Brined Full Load 77° F/Part Load 68° F		Heating Brine Full Load 32° F/Part Load 41° F	
				Capacity BTUH	EERBTU/W	Capacity BTUH	COP
GTC36S1	Full	8	1200	38,800	17.5	28,800	3.90
	Part		850	28,000	24.9	22,800	4.40
GTC48S1	Full	12	1500	51,000	16.0	37,500	3.60
	Part		1150	38,000	21.5	31,000	4.05
GTC60S1	Full	15	1800	61,500	15.5	49,000	3.50
	Part		1300	47,500	20.7	39,500	3.90

Model No.	System Capacity Modulation	Fluid Flow Rate GPM	Airflow CFM	Ground Water Heat Pump			
				Cooling–EWT 59° F		Heating–EWT 50° F	
				Capacity BTUH	EER BTU/W	Capacity BTUH	COP
GTC36S1	Full	6	1200	42,000	21.8	34,000	4.50
	Part		850	29,600	29.4	25,000	4.80
GTC48S1	Full	7	1500	54,000	19.0	46,000	4.20
	Part		1150	40,000	24.5	34,000	4.45
GTC60S1	Full	9	1800	63,500	18.8	58,000	4.05
	Part		1300	49,000	24.7	42,000	4.25

Heat Pump, "B" Blower Section

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88047	GTB1-A GEO TRIO AIR HANDLER	

Heat Pump, "C" Compressor Section with Copper Water Coil

1	EA	88048	GTC36S1-ADCX 3 TON GEO TRIO COMPRESSOR SEC COPPER	
1	EA	88049	GTC48S1-ADCX 4 TON GEO TRIO COMPRESSOR SEC COPPER	
1	EA	88050	GTC60S1-ADCX 5 TON GEO TRIO COMPRESSOR SEC COPPER	

Continued on the Following Page

Heat Pump, "C" Compressor Section with Cupro-Nickel Water Coil

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88052	GTC48S1-ADNX 4 TON GEO TRIO COMPRESSOR SEC CUPRO	
1	EA	88053	GTC60S1-ADNX 5 TON COMPRESSOR SECTION GEO TRIO COMPRESSOR CUPRO-NIC	

Duct Heater for Upflow and Horizontal Installation Only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88054	8604-081 9.8KW 240/208V DUCT HEATER UPLOW/HORIZONTAL	

Refrigerant Connections

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88055	GTLS-SK2-1 7/8X3/8 STUB KIT W/SINGLE PAIR ENDS	
1	EA	88056	GTLS-SK4-1 7/8X3/8 STUB KIT W/ DUAL ENDS	
1	EA	88057	GTLS-03-1 7/8X3/8 3' LINESET W/ FITTINGS	

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88121	8603-006 1" FPT 24V PVC SOLENOID VALVE	
1	EA	88044	8603-017 1-17 GPM 1" FPT FLOW METER	
1	EA	88124	8603-033 3/4" FPT 24V BRASS BALL VALVE W/END SWITCH	
1	EA	88039	CFV-5 3/4" FPT 5 GPM CONSTANT FLOW VALVE	
1	EA	88040	CFV-6 3/4" FPT 6 GPM CONSTANT FLOW VALVE	
1	EA	88041	CFV-7 3/4" FPT 7 GPM CONSTANT FLOW VALVE	
1	EA	88042	CFV-9 3/4" FPT 9 GPM CONSTANT FLOW VALVE	
1	EA	88043	CFV-10 3/4" FPT 10 GPM CONSTANT FLOW VALVE	
1	EA	88037	DORB1-S-4HC 1" HOSE BARB LOOP SIDE CONNECTIONS	
1	EA	88035	DORFC-2 2 PUMP LOOP MODULE LOOP FLOW CENTER W/CABINET	
1	EA	88036	DORLFCK-1 LOOP FLOW CENTER KIT	
1	EA	88060	FR23 16X25X1 FILTER RACK W/ 1" MERV2 FILTER	
1	EA	88058	GTHZ1 HORIZONTAL DRAIN PAN KIT	
1	EA	88059	GTLID REMOTE CONDENSER COVER FOR GTC	
1	EA	88038	GWK-1 GROUND WATER KIT	

Honeywell Sediment Removing Water Filters with Reverse Rinsing and Rinsable Fine Filters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74230	F76S 1015 WATER FILTER 3/4 INCH SWEAT & THREADED MNPT	
1	EA	74231	F76S 1023 WATER FILTER 1 INCH SWEAT & THREADED MNPT	

Geothermal Service Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88081	5152-014 CW 1/2IN 10-9 DD BLOWER WHEEL	
1	EA	88118	5152-049 1/2IN CW 10-10 DD BLOWER WHEEL	
1	EA	88080	5152-061 11-12 DD CW BLOWER WHEEL	
1	EA	88071	5201-009 3/8 BI DIRECT H/P FILTER DRIER	
1	EA	88070	5201-010 3/8 BI DIRECT H/P FILTER DRIER	
1	EA	88087	5201-020 H/P LIQUID FILTER DRIER	
1	EA	88073	5650-038 V38-C1004-BA REVERSING VALVE	
1	EA	88089	5650-039 REVERSING VALVE	
1	EA	88072	5650-041 7/8X5/8 REVERSING VALVE	
1	EA	88078	5651-186 EXPANSION VALVE	
1	EA	88065	5651-187 EXPANSION VALVE	
1	EA	88064	5651-188 EXPANSION VALVE	
1	EA	88063	5651-189 EXPANSION VALVE	
1	EA	88066	5651-192 EXPANSION VALVE	
1	EA	88116	5651-210 3/8X3/8 EXPANSION VALVE	
1	EA	88069	5651-211 EXPANSION VALVE	
1	EA	88115	5651-212 3/8X3/8 EXPANSION VALVE	
1	EA	88095	8000-267 ZPS40K4E-PFV-130 COMPRESSOR	
1	EA	88094	8000-268 ZPS51K4E-PFV-130 COMPRESSOR	
1	EA	88096	8000-269 ZPS30K4E-PFV-130 COMPRESSOR	
1	EA	88076	8000-335 ZPS20K4E-PFV-130 COMPRESSOR	
1	EA	88075	8000-336 ZPS60K4E-PFV-130 COMPRESSOR	
1	EA	88074	8201-088 COMPRESSOR CONTROL MODULE	
1	EA	88110	8201-114 CONTROL BOARD	
1	EA	88079	8201-118 BLOWER CONTROL	
1	EA	88090	8201-120 GEOTHERMAL LOGIC CONTROL	
1	EA	88117	8201-121 ECM2.315.0 CONTROL	
1	EA	88062	8300-010 DESUPERHEATER PUMP ASSY	
1	EA	88092	8401-033 2 POLE 20 AMP CONTACTOR	
1	EA	88091	8401-034 2 POLE 40 AMP CONTACTOR	
1	EA	88098	8402-171 WATER TEMPERATURE LIMIT	
1	EA	88097	8406-111 540 PSIG HIGH PRESSURE SWITCH	
1	EA	88114	8406-120 AUOT RESET LOW PRESSURE SWITCH	
1	EA	88113	8406-121 AUTO RESET LOW PRESSURE SWITCH	
1	EA	88077	8407-034 40VA 240/24V TRANSFORMER	
1	EA	88112	8407-035 208/240V TRANSFORMER	
1	EA	88109	8408-040 INLET THERMISTOR	
1	EA	88099	8408-043 OUTLET THERMISTOR	
1	EA	88093	8552-035 40MFD 370V 2IN ROUND CAPACITOR	
1	EA	88061	8552-086 CAPACITOR	
1	EA	88068	8552-087 CAPACITOR	
1	EA	88067	8552-088 CAPACITOR	
1	EA	88111	910-1765 CIRCULATING PUMP ASSEMBLY	
1	EA	88086	S8105-056-0054 PROGRAMMED MOTOR SERVICE	
1	EA	88085	S8106-045-0055 PROGRAMMED MOTOR SERVICE	
1	EA	88084	S8106-045-0056 PROGRAMMED MOTOR SERVICE	
1	EA	88119	S8107-009-0074 PROGRAMMED MOTOR SERVICE	
1	EA	88083	S8107-013-0057 PROGRAMMED MOTOR SERVICE	
1	EA	88082	S8107-013-0058 PROGRAMMED MOTOR SERVICE	

BOSCH Greensource CDi Series SM Geothermal Heat Pumps



Manufactured with unmatched quality and craftsmanship here in the USA and backed by a limited 10-year parts and labor warranty, the Bosch Greensource geothermal heat pump was specifically designed for ease of service, sound quality, aesthetics, and energy efficiency.

Model Number	Fluid Flow Rate	ARI/ISO 13256-1 Performance Data											
		Entering Water Temperatures											
		Water Loop (WLHP)				Ground Water (GWHP)				Ground Loop (GLHP)			
		86° F		68° F		59° F		50° F		77° F		32° F	
		Capacity and Efficiency Data											
		Cooling Capacity	EER	Heating Capacity	COP	Cooling Capacity	EER	Heating Capacity	COP	Cooling Capacity	EER	Heating Capacity	COP
SM024													
Part Load	6.0	18500	18.9	21200	6.5	21700	33.6	16700	5.1	21000	28.1	14400	4.4
Full Load	6.0	25500	17.4	29200	5.6	29000	26.5	23500	4.9	26600	19.9	18000	4.1
SM036													
Part Load	9.0	29000	22.2	31000	6.5	32600	37.0	25200	5.2	31900	32.0	22400	4.7
Full Load	9.0	39000	19.0	42800	5.6	43300	28.0	35900	5.1	40800	22.0	28400	4.3
SM048													
Part Load	12.0	36700	18.9	40900	6.2	42000	33.8	33700	5.2	39900	27.8	29800	4.5
Full Load	12.0	49200	16.6	56100	5.3	55300	25.3	46300	4.7	51300	19.3	36900	4.0
SM060													
Part Load	15.0	47500	18.7	53600	5.8	53300	31.2	44300	4.8	51600	26.5	39800	4.4
Full Load	15.0	63800	17.0	73300	5.2	70200	24.4	60300	4.6	65100	18.9	48000	3.9
SM070													
Part Load	18.0	55200	17.8	64900	5.7	60800	28.5	52900	4.8	60300	25.4	46900	4.3
Full Load	18.0	71600	16.3	84000	5.1	78700	23.1	70000	4.5	73700	18.5	55300	3.8

CDi Series SM—Copper

Dimensions (Vertical) W x D x H (In)	STD PKG	U/M	BERCOR NUMBRER	DESCRIPTION	PC-1 EACH
25.8 x 33.4 x 52.6/52.4	1	EA	87500	SM036-1-VTC-SLT 3 TON COPPER 10KW HRP,SMART START,COMFORT ALERT	
25.8 x 33.4 x 52.6/52.4	1	EA	87501	SM036-1-VTC-SRT 3 TON COPPER 10KW HRP,SMART START,COMFORT ALERT	
25.8 x 33.4 x 52.6/52.4	1	EA	87502	SM048-1-VTC-SLT 4 TON COPPER 15KW HRP,SMART START,COMFORT ALERT	
25.8 x 33.4 x 52.6/52.4	1	EA	87503	SM048-1-VTC-SRT 4 TON COPPER 15KW HRP,SMART START,COMFORT ALERT	
27 x 33.4 x 62.0/61.8	1	EA	87504	SM060-1-VTC-SLT 5 TON COPPER 20KW HRP,SMART START,COMFORT ALERT	
27 x 33.4 x 62.0/61.8	1	EA	87505	SM060-1-VTC-SRT 5 TON COPPER 20KW HRP,SMART START,COMFORT ALERT	

CDi Series SM—Cupro-Nickel

25.8 x 33.4 x 52.6/52.4	1	EA	87522	SM036-1-VTN-SLT 3 TON CUPRO-NICKEL 10KW HRP,SMART START,COMFORT ALERT	
25.8 x 33.4 x 52.6/52.4	1	EA	87523	SM036-1-VTN-SRT 3 TON CUPRO-NICKEL 10KW HRP,SMART START,COMFORT ALERT	
25.8 x 33.4 x 52.6/52.4	1	EA	87524	SM048-1-VTN-SLT 4 TON CUPRO-NICKEL 15KW HRP,SMART START,COMFORT ALERT	
25.8 x 33.4 x 52.6/52.4	1	EA	87525	SM048-1-VTN-SRT 4 TON CUPRO-NICKEL 15KW HRP,SMART START,COMFORT ALERT	
27 x 33.4 x 62.0/61.8	1	EA	87526	SM060-1-VTN-SLT 5 TON CUPRO-NICKEL 20KW HRP,SMART START,COMFORT ALERT	
27 x 33.4 x 62.0/61.8	1	EA	87527	SM060-1-VTN-SRT 5 TON CUPRO-NICKEL 20KW HRP,SMART START,COMFORT ALERT	

BOSCH Greensource CDi Series SM Geothermal Heat Pumps

Split Models—Condensing



- Versatile and compact design adapts to replacement, relocation, or new construction
- Available hot water generator
- Functional, stylish, compact design
- Two-stage scroll compressor operates in harmony with the earth's temperature extending service life and saving energy costs
- Advanced controls constantly monitor equipment for reliability and longevity
- Engineered for noise-free operation
- Available in both outdoor and indoor models
- Standard 10 year limited warranty on all parts and labor

CDi Series SM—Copper—Split Condensor

Dimensions W x D x H (In)	STD PKG	U/M	BERCIR NUMBER	DESCRIPTION	PC-1 EACH
24 x 27.5 x 21.5	1	EA	87506	SM036-1CSC-F 3 TON SPLIT CONDENSER	
24 x 27.5 x 21.5	1	EA	87509	SM048-1CSC-F 4 TON SPLIT CONDENSER	

CDi Series SM—Cupro-Nickel—Split Condensor

24 x 27.5 x 21.5	1	EA	87528	SM036-1-CSN-F 3 TON CUPRO-NICKEL SPLIT CONDENSER	
24 x 27.5 x 21.5	1	EA	87529	SM048-1-CSN-F 4 TON CUPRO-NICKEL SPLIT CONDENSER	

BOSCH Greensource Si Series DX Evaporator Coil

Cased A Coil

Match with a Bosch condensing section for superior comfort levels and high efficiency.

Dimensions W x D x H (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
17.5 x 16.25 x 21	1	EA	87512	7738002733 3 TON DX035CC-1 CASED A COIL	
21 x 19.75 x 21.5	1	EA	87513	7738002734 4 TON DX035CC-1 CASED A COIL	

BOSCH Geothermal Heat Pump Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87530	8-733-802-650 FILTER DRIER KIT	
1	EA	87531	8-733-933-939 CONTROL UNIT UMP ASSY KIT	
1	EA	87532	8-733-930-004 VALVE EXP DEVICE	
1	EA	87533	8733802651 LO PRESSURE SWITCH KIT	
1	EA	87534	8733802652 HI PRESSURE SWITCH KIT	
1	EA	87535	8-733-930-005 VALVE EXP DEVICE	
1	EA	87536	8-733-930-006 VALVE EXP DEVICE	
1	EA	87537	8-733-930-008 VALVE EXP DEVICE	
1	EA	87538	8-733-930-010 VALVE TXV 6T KIT	
1	EA	87539	8-733-908-136 HIGH TEMP LIMIT 120 D	
1	EA	87540	8-733-908-153 DIFF. PRESSURE SWITCH	
1	EA	87541	8-733-930-009 VALVE REVERSING 3T KIT	
1	EA	87542	8733802667 CONTACTOR KIT	
1	EA	87543	8733802668 CAPACITOR KIT (SM024)	
1	EA	87544	8733802759 CAPACITOR KIT (SM036)	
1	EA	87545	8733802760 CAPACITOR KIT (SM048)	
1	EA	87546	8733802761 CAPACITOR KIT (SM060,70)	
1	EA	87547	8733802669 TRANSFORMER KIT	
1	EA	87548	8733802670 UPM KIT	
1	EA	87549	8733908133 FREEZE SENSOR KIT SM024,34,48	
1	EA	87550	8733802783 FREEZE SENSOR KIT (SM060,70)	
1	EA	87551	8733802693 CONSTANT AIRFLOW ECM MOTOR KIT	
1	EA	87552	8733802784 CONSTANT AIRFLOW ECM MOTOR KIT	
1	EA	87553	8733802785 CONSTANT AIRFLOW ECM MOTOR KIT	
1	EA	87554	8733802786 CONSTANT AIRFLOW ECM MOTOR KIT	
1	EA	87555	8733802787 CONSTANT AIRFLOW ECM MOTOR KIT	
1	EA	87556	8733802694 CONSTANT AIRFLOW ECM BOARD KIT	
1	EA	87557	8733802695 CONSTANT AIRFLOW ECM HARNESS	
1	EA	87558	8733802697 DSP SWITCH KIT	
1	EA	87559	8733802698 HRP RELAY KIT	
1	EA	87560	8733802699 HRP SWITCH KIT	
1	EA	87561	8733802700 HRP WATER TEMP SENSOR KIT	
1	EA	87562	8733802703 HRP PUMP KIT	
1	EA	87563	8733908311 EXPANSION VALVE (TW025)	
1	EA	87564	8733908312 EXPANSION VALVE (TW035)	
1	EA	87565	8733908313 EXPANSION VALVE (TW049)	
1	EA	87566	8733908310 EXPANSION VALVE (TW061,71)	
1	EA	87567	8733907690 REVERSING VALVE (TW025,35)	
1	EA	87568	8733907671 REVERSING VALVE (TW049)	
1	EA	87569	8733907670 REVERSING VALVE (TW061,71)	
1	EA	87571	8733927506 CAPACITOR (TW049)	
1	EA	87572	8733802761 CAPACITOR (TW061,71)	
1	EA	87573	8733907974 CONTACTOR 50AMP 2 POLE	
1	EA	87574	8733907959 CONTACTOR (TW049)	
1	EA	87575	8733907957 CONTACTOR (TW061,71)	
1	EA	87576	8733908015 TRANSFORMER	
1	EA	87577	8733908134 THERMISTOR, 10K 88" ICMPTB10	
1	EA	87578	8733908074 PRESSURE SWITCH	
1	EA	87579	8733908069 R410A HIGH PRESSURE SWITCH	
1	EA	87580	8733908203 HRP SWITCH	
1	EA	87581	8733908148 COMFORT ALERT MODULE	
1	EA	87582	8733906130 UPMI BOARD	

BOSCH Greensource CDi Series TW Two-Stage Reverse Cycle Chiller

Water to Water System



The Bosch TW water to water system meets current Energy Star Tier 3 efficiency standards. It offers all of the features and comfort of a high end residential appliance, coupled with the ruggedness and durability of a premier industrial unit.

- Scroll compressors offer high efficiency
- Perfect radiant floor heating solution
- Low operation costs and Energy Star compliant
- Environmentally friendly R-410A refrigerant
- Dual density compressor blankets for quiet operation

Model Number	ASHRAE/AHRI/ISO 13256.2 English (I-P) Units											
	Water Loop (WLHP)				Ground Water (GWHP)				Ground Loop (GLHP)			
	Load Temperature											
	53.6° F		104° F		53.6° F		104° F		53.6° F		104° F	
	Source Temperature											
	86° F		68° F		59° F		50° F		77° F		32° F	
	Capacity and Efficiency Data											
	Cooling Capacity	EER	Heating Capacity	COP	Cooling Capacity	EER	Heating Capacity	COP	Cooling Capacity	EER	Heating Capacity	COP
TW035												
Part Load	22,500	14.5	31,500	407	25,000	24.8	25,000	3.6	24,000	20.6	22,000	3.2
Full Load	29,000	12.6	43,000	4.3	34,000	20.2	34,000	3.5	30,000	14.6	27,000	3.0
TW049												
Part Load	29,000	13.9	42,000	4.5	33,500	23.6	34,500	3.6	32,500	20.1	30,500	3.2
Full Load	39,000	12.9	58,000	4.1	45,000	19.7	47,000	3.5	41,000	14.9	37,500	3.0

Dimesnikons W x D x H (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24 x 32.5 x 24.1	1	EA	87514	TW035-1CSC 3 TON 2 STAGE WATER TO WATER UNIT W/HRP	
24 x 32.5 x 24.1	1	EA	87516	TW049-1CSC 4 TON 2 STAGE WATER TO WATER UNIT W/HRP	

BOSCH Geothermal Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87518	TSTBT4H2CPHM-KA 4H/2C TOUCH SCREEN THERMOSTAT	
1	EA	87519	773800324.00 FL-1 FLO-LINK COMPOSITE VALVE GRUNDFOS 99 115V	
1	EA	87520	7738003251.00 FL-2 FLO-LINK COMPOSITE VALVE GRUNDFOS 116 230V	
1	EA	87521	8733904579.00 FLO-LINK HOSE KIT	

BOSCH Greensource CDi Series TW Reverse Cycle Chiller

Two-Stage, Water to Water System



The Bosch TW water to water system meets current Energy Star Tier 3 efficiency standards. It offers all of the features and comfort of a high end residential appliance, coupled with the ruggedness and durability of a premier industrial unit.

- Scroll compressors offer high efficiency
- Perfect radiant floor heating solution
- Low operation costs and Energy Star compliant
- Environmentally friendly R-410A refrigerant
- Dual density compressor blankets for quiet operation

Model Number	ASHRAE/AHRI/ISO 13256.2 English (I-P) Units											
	Water Loop (WLHP)				Ground Water (GWHP)				Ground Loop (GLHP)			
	Load Temperature											
	53.6° F		104° F		53.6° F		104° F		53.6° F		104° F	
	Source Temperature											
	86° F		68° F		59° F		50° F		77° F		32° F	
	Capacity and Efficiency Data											
	Cooling Capacity	EER	Heating Capacity	COP	Cooling Capacity	EER	Heating Capacity	COP	Cooling Capacity	EER	Heating Capacity	COP
TW035												
Part Load	22,500	14.5	31,500	407	25,000	24.8	25,000	3.6	24,000	20.6	22,000	3.2
Full Load	29,000	12.6	43,000	4.3	34,000	20.2	34,000	3.5	30,000	14.6	27,000	3.0
TW049												
Part Load	29,000	13.9	42,000	4.5	33,500	23.6	34,500	3.6	32,500	20.1	30,500	3.2
Full Load	39,000	12.9	58,000	4.1	45,000	19.7	47,000	3.5	41,000	14.9	37,500	3.0

Dimensions W x D x H (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24 x 32.5 x 24.1	1	EA	87514	TW035-1CSC 3 TON 2 STAGE WATER TO WATER UNIT W/HRP	—
24 x 32.5 x 24.1	1	EA	87516	TW049-1CSC 4 TON 2 STAGE WATER TO WATER UNIT W/HRP	—

BOSCH Geothermal Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87518	TSTBT4H2CPHM-KA 4H/2C TOUCH SCREEN THERMOSTAT	—
1	EA	87519	773800324.00 FL-1 FLO-LINK COMPOSITE VALVE GRUNDFOS 99 115V	—
1	EA	87520	7738003251.00 FL-2 FLO-LINK COMPOSITE VALVE GRUNDFOS 116 230V	—
1	EA	87521	8733904579.00 FLO-LINK HOSE KIT	—

ESP J Series Air Handlers

Small Duct/High Velocity Central Heating & A/C System





Install central heating and cooling in any home or small business, regardless of structure design, age, size or type of construction. SpacePak can be located nearly anywhere: attics, basements, crawlspaces, and garages. Horizontal or vertical installation. 2 to 5 ton capacity.

Standard Features

- High efficiency EC motor/blower technology
- High efficiency integrated motor/blower assembly
- Easy field adjustable motor staging
- 230V standard configuration optional 115V conversion
- Mode specific adjustable speed control
- Heat pump compatible
- Thermal expansion valve
- Anti-frost control
- 6-row copper/aluminum evaporator coil
- Sweat-type refrigerant connections
- 24V transformer
- Insulated grey cabinet
- Float switch
- Condensate trap
- Chatleff fitting for easier installation
- Slide out blower (Horizontal Only)
- Mold resistant primary drain pan (Horizontal Only)
- Condensate Drain: 3/4" NPT (Horizontal Only

Units with Horizontal Fan Coils

Model No.	Nominal System Capacity		Std. CFM @ 1.5" w.c.	Motor HP	F.L. Amps 115/230V	Connections		Shipping Weight (Lbs)	Recommended Condensing Unit Capacity (MBH)	Dimensions H x W x D (In)
	Tons	Cool MBH				Suction Line	Liquid Line			
ESP-2430-JH4M	2	21.0	440,550	3/4	5.6/2.8	7/8	3/8	105	24	14-1/8 x 24-1/8 x 29-3/8
	2-1/2	24.6	440,550	3/4	5.6/2.8	7/8	3/8	105	30	
ESP-3642-JH4M	3	33.4	660,850	3/4	7.6/3.8	7/8	3/8	123	36	14-1/8 x 33-1/8 x 29-3/8
	3-1/2	38.5	660,850	3/4	7.6/3.8	7/8	3/8	123	42	
ESP-4860-JH4M	4	45.0	880,1150	3/4	10.6/5.3	7/8	3/8	144	48	14-1/8 x 43-1/8 x 29-3/8
	5	54.0	880,1150	3/4	10.6/5.3	7/8	3/8	144	60	

Units with Vertical Fan Coils

Model No.	Nominal System Capacity		Std. CFM @ 1.5" W.C.	Motor HP	F.L. Amps 115/230V	Connections		Shipping Weight (Lbs)	Recommended Condensing Unit Capacity (MBH)	Dimensions H x W x D (In)
	Tons	Cool MBH				Suction Line	Liquid Line			
ESP-2430-JV4M	2	23.0	440,550	3/4	5.6/2	7/8	3/8	135	24	33 x 24 x 16-1/8
	2-1/2	27.6	440,550	3/4	5.6/2	7/8	3/8	135	30	
ESP-3642-JV4M	3	35.0	660,850	3/4	7.6/4	7/8	3/8	170	36	33 x 33 x 16-1/8
	3-1/2	40.0	660,850	3/4	7.6/4	7/8	3/8	170	42	
ESP-4860-JV4M	4	48.0	880,1150	3/4	10.6/5.4	7/8	3/8	210	48	33 x 43 x 16-1/8
	5	57.0	880,1150	3/4	10.6/5.4	7/8	3/8	210	60	

Horizontal Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87345	ESP-2430JH 2 & 2 1/2 TON J SERIES SPACEPAK	
1	EA	87346	ESP-3642JH 3 & 3 1/2 TON J SERIES SPACEPAK	
1	EA	87347	ESP-4860JH 4 & 5 TON J SERIES SPACEPAK	

Vertical Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87349	ESP2430JV4M 2 & 2 1/2 TON V-SERIES SPACEPAK	
1	EA	87350	ESP3642JV4M 3 & 3 1/2 TON V-SERIES SPACEPAK	
1	EA	87351	ESP4860JV4M 4 & 5 TON V-SERIES SPACEPAK	

Continued on the Following Page

Typical List of Components Needed for a SpacePak ESP Cooling System

Qty for 2 Ton	Qty for 2-1/2 Ton	Qty for 3 Ton	Qty for 3-1/2 Ton	Qty for 4 Ton	Qty for 5 Ton	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25 ft.	25 ft.	35 ft.	35 ft.	45 ft.	50 ft.	5	EA	10741	SL60930 9IN 5FT 30GA PIPE	
1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	12	EA	11006	90930 9IN 30GA ELBOW	
1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	12	EA	11231	1060269 9X9X9 FULL FLOW TEE	
2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	12	EA	11259	559 9IN CLEANOUT CAP	
25 ft.	25 ft.	35 ft.	35 ft.	45 ft.	50 ft.	75	FT	19134	431-6 9IN 5FT SILVER SLEEVE INSULATION	
1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	4	EA	42419	FG550 1 GAL IN/OUT WATER BASE DUCT SEALANT	
2 kits	4 kits	3 kits	—	4 kits	—	4	EA	87303	45AC-ILKT-2 SPACEPAK INSTALLATION KIT	
2 kits	4 kits	3 kits	—	4 kits	—	4	EA	87304	45AC-TKMR-2 SPACEPAK PLENUM TAKE-OFF KIT	
2 kits	2 kits	3 kits	5 kits	4 kits	7 kits	1	EA	87305	45AC-IKLT-5 SPACEPAK INSTALLATION KIT	
2 kits	2 kits	3 kits	5 kits	4 kits	7 kits	1	EA	87306	45AC-TKMR-5 SPACEPAK PLENUM TAKE-OFF KIT	
3	4	4	4	5	6	1	EA	87344	45AC-ST8-75 75 FT., R8.0 SPACEPAK SUPPLY TUBING	
1 pc.	1 pc.					1	EA	87335	45ACS-BASE-2 2 & 2-1/2 TON SPACEPAK SECONDARY DRAIN PAN	
		1 pc.	1 pc.			1	EA	87336	45ACS-BASE-3 3 & 3-1/2 TON SPACEPAK SECONDARY DRAIN PAN	
				1 pc.	1 pc.	1	EA	87337	45ACS-BASE-5 4 & 5 TON SPACEPAK SECONDARY DRAIN PAN	
1 pc.	1 pc.					1	EA	87313	44BM-9149 (SPC-1D) 2430 SYSTEM RETURN AIR BOX	
1 pc.	1 pc.					1	EA	87314	44BM-6808-10 (SPC-4) 10 FT. 2430 RETURN AIR DUCT	
		1 pc.	1 pc.			1	EA	87315	45AC-RBF-3 3642 SYSTEM RETURN AIR BOX	
		1 pc.	1 pc.			1	EA	87316	44BM-6809-10 (SPC-5) 10 FT. 3642 RETURN AIR DUCT	
				1 pc.	1 pc.	1	EA	87317	44BM-9169 (SPC-3D) 4860 SYSTEM RETURN AIR BOX	
				1 pc.	1 pc.	1	EA	87318	44BM-6839-10 (SPC-6) 10 FT. 4860 RETURN AIR DUCT	
1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1	EA	87348	45AC-PAJ 9 INCH ROUND PLENUM ADAPTOR (J-SERIES)	

Quantities based on 7 take-offs per ton and supply air runs of 15 ft. each (12 ft. of supply tubing plus the 3 ft. of sound attenuating tube).

VMC Series Gas Furnace

For Mobile Homes, 95% AFUE



- Easy conversion from natural gas to propane
- A/C ready-up to 4 tons
- 4-speed blower easily adapted to air flow needs of the home
- 22-gauge powder coated cabinet for durability
- Silicon nitride igniter for quiet and consistent light-off
- 4 speed direct drive blower for quiet, efficient operation
- Sealed combustion design provides draws combustion air from the outside
- 18-gauge aluminum coated primary heat exchanger
- 24C stainless steel heat exchanger
- Easily converted from Natural Gas to L.P.
- Energy Star Certified
- ETL Listed
- Lifetime heat exchanger warranty
- 5 year parts warranty

Model No.	Input (BTU)	Output (BTUH)	AFUE	Tons	Nominal Temp. Rise (° F)	Vent Pipe Size	Electric Service	Max Fuse Size	Total Rated Current Amps	Supply Air Outlet Size (W x D) (In)	Ship Weight (Lbs)
8540005	50,000	48,000	95%	3	60	2" PVC	115/60/1	15	7.15	12 x 12	205
8540006	75,000	72,000	95%	4	60	2" PVC	115/60/1	15	7.15	12 x 12	205

VMC Furnaces with Coil Cabinet

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
76-1/8 x 18-3/4 x 25-3/4	1	EA	85058	8540005 77X19X26 48,000 BTU VEXAR VMC 95% MH FURN W/CAB	
76-1/8 x 18-3/4 x 25-3/4	1	EA	85059	8540006 77X19X26 72,000 BTU VEXAR VMC 95% MH FURN W/CAB	

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	85068	0856002 VAOPS7483 VEXAR CONCENTRIC VENT KIT	
1	EA	85069	0856003 20" VMA VEXAR COIL CABINET	

RG7 Series Gas Furnaces

For Mobile Homes, 95% AFUE



- Sealed combustion: Can vented vertically or horizontally with PVC pipe.
- Vents Exhaust Gases: Directly outdoors and draws in outside fresh air for combustion.
- Hot surface ignition.
- Multi-speed direct drive blower.
- Sealed bearings on motor.
- Appliance quality metal door with baked enamel finish.

Warranties

- 1-year labor
- 2-year parts
- 10-year heat exchanger

Specifications

Model No.	Input (BTU/H)	Output (BTU/H)	Max. Direct Vent, Dual Pipe Length (3 In. Dia. Inlet/Outlet)	Max. Direct Vent, Dual Pipe Length (2 In. Dia. Inlet/Outlet)	A/C Ready Tons	Dimensions H x W x D (In)	Ship Weight (Lbs)
RG7D45C4	45,000	42,750	60 Ft.	30 Ft.	4	76 x 20 x 24	170
RG7D72C4	72,000	68,400	60 Ft.	30 Ft.	4	76 x 20 x 24	175
RG7D72N4	72,000	68,400	60 Ft.	30 Ft.	4	56 x 20 x 24	155

RG7 Gas Furnaces

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	85167	RG7D45C4 76X20X24 45,000 BTU REVOLV 95% MH FURNACE W/CAB	
1	EA	85166	RG7D72C4 76X20X24 72,000 BTU REVOLV 95% MH FURNACE W/CAB	
1	EA	85162	RG7D72N4 56X20X24 72,000 BTU REVOLV 95% MH FURNACE	

Parts and Accessories

1	EA	87590	1016290S IGNITOR F/RG7D SERIES	
1	EA	85165	904106 RG7 VENT TRANSITION KIT	
1	EA	85163	911969A 20H X20W X24L COIL CABINET	
1	EA	85164	922594 26H X20W X24L COIL CABINET 26"	

RG1 Series Gas Furnaces

For Mobile Homes, 80% AFUE



- Sealed combustion: Exhaust gases are vented directly outdoors and fresh air is drawn in from outside for combustion.
- Hot surface ignition.
- Sealed bearings on motors
- Appliance quality metal door with baked enamel finish.
- 1 -year warranty on furnace
- 2-year warranty on parts
- 10-year warranty on heat exchanger parts

Specifications

Model No.	Input (KBTU/H)	Output (KBTU/H)	Orifice Number Natural Gas	Orifice Number LP	A/C Ready Tons	Dimensions H x W x D (In)	Ship Weight (Lbs)
RG1D56C3	56	46	29	45	3	76 x 19-3/4 x 23-3/4	167
RG1D70C3	70	57	24	42	3		168
RG1D77C3	77	62	21	40	3		164
RG1D90C3	90	72	17	36	3		166

RG1 Gas Furnaces

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	85113	RG1D56C3 76X19.75X23.75 56,000BTU 80% 3T REVOLV MH FURNACE	
1	EA	85114	RG1D70C3 76X19.75X23.75 70,000BTU 80% 3T REVOLV MH FURNACE	
1	EA	85115	RG1D77C3 76X19.75X23.75 77,000BTU 80% 3T REVOLV MH FURNACE	
1	EA	85116	RG1D90C3 76X19.75X23.75 90,000BTU 80% 3T REVOLV MH FURNACE	

Zero Pitch Roof Jacks

1	EA	85121	903658 RG1/RO1 0/12 15-23" REVOLV MH ROOF JACK	
1	EA	85122	903659 RG1/RO1 0/12 21-35" REVOLV MH ROOF JACK	
1	EA	85123	903660 RG1/RO1 0/12 27-47" REVOLV MH ROOF JACK	

2.5" Pitch Roof Jacks

1	EA	85099	903662 RG1/RO1 2/12 21-35" REVOLV MH ROOF JACK	
1	EA	85104	903663 RG1/RO1 2/12 27-47" REVOLV MH ROOF JACK	
1	EA	85105	903664 RG1/RO1 2/12 35-63" REVOLV MH ROOF JACK	

4" Pitch Roof Jacks

1	EA	85106	903676A RG1/RO1 4/12 51-95 RC REVOLV MH ROOF JACK	
1	EA	85107	903678A RG1/RO1 4/12 27-47" REVOLV MH ROOF JACK	
1	EA	85108	903665A RG1/RO1 4/12 35-63" REVOLV MH ROOF JACK	
1	EA	85109	903666A RG1/RO1 4/12 51-95" REVOLV MH ROOF JACK	

Roof Jack Extensions

1	EA	85110	901935 RG1/RO1 10" REVOLV MH ROOF JACK EXT-INT	
1	EA	85111	903107 RG1/RO1 18" REVOLV MH ROOF JACK EXT-INT	
1	EA	85112	901937 RG1/RO1 16" REVOLV MH ROOF JACK EXT-EXT	
1	EA	85018	4000-4241 ROOF JACK HYDROMENT SEALANT	

Parts

1	EA	85094	1010775R NORDYNE REVOLV PRESSURE SWITCH	
1	EA	85098	903110A NORDYNE REVOLV IGNITOR W/PLUG	
1	EA	85097	903404 NORDYNE REVOLV COMBUST FAN MOTOR BLOWER ASSM	
1	EA	85095	903429 NORDYNE REVOLV CONTROL BOARD	
1	EA	85096	903596 NORDYNE REVOLV GAS VALVE	

DG Series Gas Furnace
for Mobile Homes



The DG Series gas furnace is two systems in one. As a powerful air handler, it can handle up to 4 tons of cooling. Additional blower accessories will provide 5 tons of cooling. As a gas furnace, its range of heating capacities makes it a perfect match for the heating requirements of almost any manufactured home.

- Hot surface ignition.
- Sealed bearings on motors
- Zero clearance feature allows these furnaces to be installed where space is a premium.
- Aluminized steel heat exchanger provides efficient operation and unmatched corrosion resistance.
- Molded contour white upper panel offers a scratch resistant, durable appliance finish.
- Universal disposaable filters clean the air and are easy to replace.

Model Number	**DGAH077BBSA**
Factory Equipped Fuel	Natural Gas/LP Conversion Kit Included
Ignition Type	Automatic Hot Surface Ignition
A/C Controls	A/C Ready
Input Rate, BTUH	77,000
Output, BTUH	62,000
AFUE, % (Nat./LP)	80.0
High Altitude	For elevations above 2,000 feet, reduce input 4% for each 1,000 feet of elevation above sea level.
Air Temperature Rise Range, ° F	45–75
Designed Maximum Outlet Air Temperature, ° F	165
Maximum External Static Pressure, In. w.c.	0.3
Furnace Flue Pipe	Must use 4000 Series Roof Jacks
Gas Connection	1/2" NFPT
Electric Service	115 VAC, 60 Hz, 1 Phase
Fuse or Circuit Breaker	15 Amp Maximum
Thermostat Circuit	24 VAC 60 Hz
Filters (In)	Two 16 x 20 x 1
Dimensions (In)	60 x 19-1/2 x 24-1/2
Weight (Lbs)	131

Furnace

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	85007	DGAH077BBSA 60X19.5X24.5 62,000 BTU RED T MOBILE HOME FURNACE	

Roof Jack Sealant

1	EA	85018	4000-4241 ROOF JACK HYDROMENT SEALANT	

Accessories and Parts

1	EA	85089	024.36266.000 2 SPEED BLOWER MOTOR	
1	EA	85041	025.35354.000 FLAME SENSOR	
1	EA	85043	025.43267 GAS VALVE	
1	EA	85009	1468-2199 BLEND AIR MOTOR	
1	EA	85012	1474-0061A IGNITION MODULE	
1	EA	85040	324.35972.000 PRESSURE SWITCH	
1	EA	85008	325.41021.000 RED T HOT SURFACE IGNITOR	
1	EA	85017	373-19801-821 BOOSTER ASSEMBLY EXHAUST MOTOR SILVER TIN CAN	
1	EA	85022	7681-317P LOWER BLEND CONTROL BOARD	
1	EA	85035	7900A6041 4 WIRE CONTROL BOX	
1	EA	85025	7900-6061/A 2 SPEED MOTOR WHEEL HOUSING	
1	EA	85026	7956-336P GAS VALVE STANDING PILOT	
1	EA	85027	7966-311P 1/6 BLOWER MOTOR	
1	EA	85039	7975.388P REMOTE SENSOR	
1	EA	85028	7975-3281 FAN SWITCH 2 WIRE	
1	EA	85056	7990-319P DGAT CONTROL BOARD(SCREW ON WIRES)	
1	EA	85033	7990-6451 EXHAUST MOTOR WHEEL & HOUSING	
1	EA	85057	7995-6451 BOOSTER ASSEMBLY EXHAUST MOTOR	
1	EA	85029	S1-03101932001 DGAA/DGAH CONTROL BOARD	

RE Electric Furnaces

For Mobile Homes



- A/C and Heat Pump ready up to 4.0 tons
- Built in full sized coil cabinet
- Built-in circuit breakers for safety and dependability
- Nichrome heating elements for long lasting efficient heat
- 1-year warranty on furnace
- 2-year warranty on parts
- 10-year warranty on heat exchanger parts

Specifications

Model No.	Output (BUTH)	Watts	Blower Wheel Size (In)	Motor Speed, HP Rating (Amps)	Air Filter Standard (In)	Dimensions H x W x D (In)
RE9D/U10C4	35,000	10.4	10.5 Diameter 8 Wide	4 Speed 1/3 HP, 29 Amps	16 x 20 x 1 Nominal	60.63 x 20 x 24.5
RE9D/U12C4	41,000	12.0				
RE9D/U15C4	53,000	15.4				
RE9D/U20C4	70,000	20.4				

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	85117	RE9D10C4 61X20X24.5 35,000BTU10KW DF ELECTRIC REVOLV MH FURNACE	
1	EA	85118	RE9D12C4 61X20X24.5 41,000BTU12KW DF ELECTRIC REVOLV MH FURNACE	
1	EA	85119	RE9D15C4 61X20X24.5 53,000BTU15KW DF ELECTRIC REVOLV MH FURNACE	
1	EA	85120	RE9D20C4 61X20X24.5 70,000BTU20KW DF ELECTRIC REVOLV MH FURNACE	

M Series Manufactured Housing Evaporator Coils



- Filter friendly top plate allows an air filter to be placed directly on top of coil
- Sized out downturned headers for easy line brazing
- Sweat connections with available quick connect stub kits
- TXV with all threded connections; no brazing required
- Coils charged with dry air for greater flexibility with both R-22 and R-410A applications

NOTE: Factory installed expansion valve is for R-410A air conditioning use only. Change for R-22 or heat pump applications.

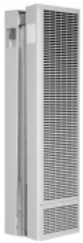
Model No.	Nominal Tonnage	Pan Width (In.)	Pan Depth (In.)	Coil Height	Weight (Lbs.)
M3 6E326	1.5–3	18	19-1/2	15	8
M36E346	1.5–3	18	19-1/2	19	8
M60E596	1.5–5.0	18	19-1/2	19	8

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
8	EA	84044	M36E326 1.5-3 TON 18X19.5X15 MOBILE HOME COIL	
8	EA	84045	M36E346 2.5-3.5 TON 18X19.5X19 MOBILE HOME COIL	
8	EA	84046	M60E596 3.5-5.0 TON 18X19.5X19 MOBILE HOME M COIL	

WILLIAMS Monterey Plus Top-Vent Gravity Furnaces

Natural Gas, Standing Pilot


3509822


5009822

Design Features

- For homes, schools, cabins, apartments, offices and shops.
- Patented, side-relief opening draft hood design reduces flue gas temperature to minimize normal heat loss
- Automatic temperature and safety controls
- Matchless Pilot Igniter
- Require no electricity. A self generating millivolt thermostat included. May be wall- or cabinet-mounted.
- Soft-white, powder-coated, high-heat resistant finish.

3509822 Single-SIded

Single-sided units can be recessed or surface mounted.

50096 Double-Sided Model

Dual-wall model will hat two or more rooms. Conveniently installs in the wall to heat two adjacent rooms (25,000 Btu/hr. on each side).

Model. No	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Cabinet Dimensions (In.)			Shipping Weight (Lbs.)
				Width	Height	Depth	
3509822	35,000	25,000	71%	16	65-3/4	6	83
5009822	50,000	39,100	78%	16	66- 3/4	6 (each side)	137

Furnaces

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61222	3509822 35000 BTU NAT MONTEREY HTR	
1	EA	61225	5009822 50000 BTU NAT MONTEREY HTR	

LP Kits

1	EA	61132	8902 LP CONVERSION KIT FOR 35K	
1	EA	61134	8903 LP CONVERSION KIT FOR 50K	
1	EA	61150	8908 35098 SERIES LP CONVERSION KIT	
1	EA	61158	8909 50098 SERIES LP CONVERSION KIT	

Discharge Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61220	6901 9RD16 REAR DISCHARGE KIT	

Accessory

1	EA	61531	9902 VENT ADAPTER	

WILLIAMS Direct-Vent Gravity Furnaces

Natural Gas, Standing Pilot



- For garage, workshop, or anywhere heat is needed.
- May be wall or cabinet mounted.
- Sealed combustion; uses no inside air.
- Requires no electricity. Self-generating milliVolt thermostat that can be cabinet- or wall-mounted included.
- Matchless pilot ignitor.
- All vent material included—ready to install.
- Optional blower fits inside casing.

Model No.	Input BTU/Hr.	Output BTU/Hr.	Cabinet Dimensions (In.)			Shipping Weight (Lbs.)
			Width	Height	Depth	
1403822	14,000	10,200	18	26-3/4	7-1/8	56
2203822	22,000	16,462	32-1/8	28	10-1/4	98
3003822	30,000	21,800	32-1/8	28	10-1/4	100

Furnaces

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61215	1403822 14000BTU NAT DV HOME HTR	
1	EA	61201	2203822 22000 BTU NAT DV HOME HTR	
1	EA	61231	3003822 30000BTU NAT DV HOME HTR	

LP Kits

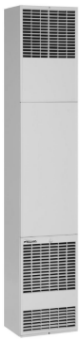
1	EA	61232	8939 14K 1403822 LP CONVERSION KIT	
1	EA	61233	8940 22K 2203822 LP CONVERSION KIT	
1	EA	61234	8941 30K 3003822 LP CONVERSION KIT	

Accessory

1	EA	61162	9306 DIRECT VENT REPLACEMENT CAP	

WILLIAMS Forsaire Direct-Vent Counterflow Furnaces

Natural Gas



- Sealed combustion; uses no inside air
- Combustion products discharged outdoors through wall vent
- 24V thermostat included
- Counterflow design can be recessed or surface mounted
- Counterflow blower circulates warm air ceiling to floor
- For homes, apartments, offices, schools, cabins, etc
- Automatic temperature and safety controls
- Soft-white, powder-coated, high-heat resistant finish

Model No.	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Cabinet Dimensions (In)			Shipping Weight (Lbs)
				Width	Height	Depth	
4007732	40,000	32,000	80%	14-1/8	77-3/8	11-3/4	146
6007732	60,000	47,000	78%	14-1/8	87	11-3/4	140
4007332	40,000	32,000	80%	14-1/8	77-3/8	11-3/4	126
5507332	55,000	55,000	77%	14-1/8	87	11-3/4	140

Standing Pilot Furnaces

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61206	4007732 40000BTU NAT FORSAIRE HTR	
1	EA	61207	6007732 60000 BTU NAT FORSAIRE HTR 2 CTNS	

Intermittent Ignition Furnaces

1	EA	61606	4007332 40000BTU NAT FORSAIRE HTR	
1	EA	61605	5507332 55000BTU NAT FORSAIRE HTR 2 CTNS	

LP Kits

1	EA	61145	7728 40073 & 40077 SERIES LP CONVERSION KIT	
1	EA	61146	7730 55073 SERIES LP CONVERSION KIT	
1	EA	61147	7732 60077 SERIES LP CONVERSION KIT	

Accessories

1	EA	61141	4701 FORSAIRE TRIM STRIP	

WILLIAMS Forsaire Top-Vent Counterflow Furnaces

Natural Gas



- Top-vent models are vented vertically through ceiling and roof.
- May be recessed into stud space or surface mounted.
- 24V wall thermostat included.
- For homes, apartments, offices, schools, cabins, etc.
- Automatic temperature and safety controls.
- Soft-white, powder-coated, high-heat resistant finish.
- Counterflow blower circulates warm air ceilling to floor.
- Includes resettable vent-limit safety switch.

Model. No.	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Cabinet Dimensions (In)			Shipping Weight (Lbs)
				Width	Height	Depth	
3508632	35,000	28,000	80%	14-1/8	72-1/2	10-1/4	90
5008632	50,000	40,000	80%	14-1/8	81	10-1/4	99
6008532	60,000	47,000	82%	14-1/8	80-1/4	10-1/4	121
6508632	65,000	48,000	74%	14-1/8	87	10-1/4	107
3508232	35,000	28,000	80%	14-1/8	72-1/2	10-1/4	95
5508232	55,000	42,500	77%	14-1/8	87	10-1/4	113

Standing Pilot Furnaces

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61613	3508632 35000BTU NAT FORSAIRE HTR	
1	EA	61203	5008632 50000 BTU NAT FORSAIRE HTR	
1	EA	61947	6008832A 60000BTU NAT MAGNUM FORSAIRE HTR	
1	EA	61210	6508632 65000 BTU NAT FORSAIRE HTR	

Intermittent Ignition Furnaces

1	EA	61202	3508232 35000 BTU NAT FORSAIRE HTR	
1	EA	61205	5508232 55000 BTU NAT FORSAIRE HTR	

LP Kits

1	EA	61652	7718 LP CONVERSION KIT FOR 35K	
1	EA	61678	7720 LP CONVERSION KIT FOR 50K	
1	EA	61685	7690 LP CONVERSION KIT FOR 65K	
1	EA	61142	7716 35082 SERIES LP CONVERSION KIT	
1	EA	61143	7722 55082 SERIES LP CONVERSION KIT	
1	EA	61144	7726 65086 SERIES LP CONVERSION KIT	
1	EA	61149	7741 60085A SERIES LP CONVERSION KIT	

Accessories

1	EA	61141	4701 FORSAIRE TRIM STRIP	
1	EA	61610	6703 7DG2W 2 WAY DIFFUSING GRILLE	
1	EA	61618	6801 7R02W REAR OUTLET KIT 10"	
1	EA	61624	9929 9RVK04 OVAL VENT STARTER F/TOP VENTS	
1	EA	61531	9902 VENT ADAPTER	

WILLIAMS Vented Gas Hearth Console Heaters

Glass-Front, Fireplace-Look



- Standing pilot
- Built-in draft diverter to permit close-to-wall installation
- Factory installed ceramic fiber logs
- Continous seam-welded aluminized steel combustion chambers for maximum safety, circulation, durability and heat transfer
- Cabinet or wall-mounted MV thermostat
- Low BTU/Hr.-type pilot for reduced fuel consumption
- Vent shut-off system for added safety
- Contemporary, heat resistant finish to blend with any decor
- Equipped with blower

Model. No.	Input BTU/Hr.	Output BTU/Hr.	Vent Size (In)	Cabinet Dimensions (In)			Shipping Weight (Lbs)
				Width	Height	Depth	
3502922A	35,000	25,000	4	25	28-7/8	15-3/8	90
5002922A	50,000	34,500	4	30	32-7/8	16	117
6502922A	65,000	47,000	5	34	32-7/8	19-5/8	144

Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61219	3502922A 35000 BTU NAT VENTED HEARTH HTR	
1	EA	61223	5002922A 50000 BTU NAT VENTED HEARTH HTR	
1	EA	61228	6502922A 65000 BTU NAT VENTED HEARTH HTR	

LP Kits

1	EA	61135	8933 LP CONVERSION KIT FOR 50K	
1	EA	61137	8934 LP CONVERSION KIT FOR 65K	
1	EA	61159	8946 350A SERIES LP CONVERSION KIT	
1	EA	61160	8947 500A SERIES LP CONVERSION KIT	

Accessories

1	EA	61140	2102 120V 150 CFM BLOWER KIT	
1	EA	61626	4163 BLACK FLOORBOARD FOR 50K & 65K	

WILLIAMS Vented Gas Hearth Console Heaters

Enclosed Front Models



- Built-in draft diverter to permit close-to-wall installation
- Continuous seam-welded aluminized steel combustion chambers for maximum safety, circulation, durability, and heat trasnfer
- Low BTU/Hr.-type pilot
- Vent shut-off system
- Equipped with blower

Model. No.	Input BTU/Hr.	Output BTU/Hr.	Vent Size (In)	Cabinet Dimensions (In)			Shipping Weight (Lbs)
				Width	Height	Depth	
3501922A	35,000	25,000	4	25	28-7/8	15-3/8	83
5001922A	50,000	37,500	4	30	32-7/8	16	112
6501922A	65,000	47,000	5	34	32-7/8	19-5/8	137

Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61212	3501922A 35000 BTU NAT VENTED HTR	
1	EA	61653	5001922A 50000BTU NAT VENTED HTR	
1	EA	61227	6501922A 65000 BTU NAT VENTED HTR	

LP Kits

1	EA	61159	8946 350A SERIES LP CONVERSION KIT	
1	EA	61160	8947 500A SERIES LP CONVERSION KIT	
1	EA	61161	8948 650A SERIES LP CONVERSION KIT	

WILLIAMS Forsaire Counterflow Furnace

Electric



- For homes, apartments, offices, schools, etc
- Counterflow blower system circulates ceiling-to-floor warm air
- CSA Listed
- Automatic fan controls and safety devices
- Soft-white, powder-coated, high-heat resistant finish
- Wall-mounted thermostat included

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61229	3144030 31400 BTU ELECTRIC FORSAIRE HTR	

WILLIAMS Accessories

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Chamberlain 22036, 30036	1	EA	61224	2302 BLOWER PACKAGE	
Chamberlain 14036	1	EA	61683	2303 BLOWER PACKAGE	
Monterey SRO 35096, 50096	1	EA	61221	2901 9FG41 BLOWER PACKAGE	
Chamberlain 22036, 30036	1	EA	61226	9301 6VE15B VENT EXT PKG	

WILLIAMS Parts

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
DNV40	1	EA	66319	230510 MICRO SWITCH	
DNV40	1	EA	66321	230681 MICRO SWITCH	
DNV40	1	EA	66323	231136 MOTOR	
DNV40	1	EA	66167	232774 WIRING HARNESS F/40K THRU-THE-WALL FURNACE	
DNV25	1	EA	66165	232775 WIRING HARNESS F/25K THRU-THE-WALL FURNACE	
All RHB and EHB Consoles; 2101and 2102, "B" Blower	1	EA	61500	7106 MOTOR REPLACEMENT KIT	
All Consoles	1	EA	61925	7109 FAN LIMIT SWITCH W/ADJ TEMP	
DV Home Furnaces	1	EA	61941	7131 GAS VALVE REPL KIT	
40M DV IID	1	EA	61602	7707 NAT GAS REPL KIT F/40M DV IID	
Monterey; Forsaire TV; Mobile	1	EA	61499	7735 P323379 VENT LIMIT SWITCH	
35M Forsaire TV	1	EA	61506	7810 MOTOR REPLACEMENT KIT	
65M Forsaire TV; All Forsaire Mag.	1	EA	61915	7B111 11 1/4 DIAMETER 1/2 BORE FAN BLADE	
All Forsaires	1	EA	61501	P024200 TRANSFORMER	
50M, 55M Forsaire TV; 55M, 62M Forsaire DV	1	EA	61503	P062101 MOTOR	
40M Forsaire DV	1	EA	61497	P151101 MOTOR	
14M, 22M, 30M Direct Vents	1	EA	60067	P179500 PILOT	
All Forsaire DV, TV, and Mag. TV	1	EA	61514	P200200 FAN SWITCH	
40M Forsaire DV; 50M, 65M Forsaire TV	1	EA	61515	P200300 LIMIT SWITCH	
50M, 55M Forsaire TV; 40M, 55M, 62M Forsaire DV	1	EA	61517	P200600 12" FAN BLADE	
All Forsaires	1	EA	61502	P254000 THERMOCOUPLE	
All Chamberlain; All Forsaire DV	1	EA	61921	P285500 MANUAL SPARK IGNITOR	
DV Home Furnaces	1	EA	61689	P295200A VALVE	
60M Forsaire TV	1	EA	61529	P296201 FAN DISC SWITCH	
35M Forsaire TV	1	EA	60040	P300500 FAN BLADE	
3508331, 3508332, 3508731, 3508732	1	EA	60056	P309600 LIMIT SWITCH	
2901, 9FG41 Blower Accessory	1	EA	61496	P320905 2-SPD MOTOR	
65M Forsaire TV; 62M Forsaire DV; All Forsaire Mag.	1	EA	60044	P321601 MOTOR	
Monterey; Chamberlain; Consoles	1	EA	61682	P322016 MV THERMOSTAT	
50M, 65M Forsaire TV	1	EA	61936	P322391 TERMINAL BLOCK THERMOCOUPLE	
Monterey, Magnum Plus, Consoles	1	EA	60071	P323011 VALVE WALL STAT NAT	
All Consoles	1	EA	61914	P323096 FAN SWITCH	
All Forsaires	1	EA	60062	P323209 VALVE 24V STAND PILOT NAT	
35M Monterey; Consoles	1	EA	61680	P323411 (P501617) PILOT PG-9 W/GENERATOR FOR 35M	
All Chamberlain	1	EA	61690	P323415 P322398 PILOT PG-9 W/GENERATOR	
40M and 55M Forsaire	1	EA	60068	P323418 PILOT	
50M Consoles	1	EA	61913	P500406 VENT LIMIT SWITCH FOR 50M	
35M Consoles	1	EA	61912	P500472 VENT LIMIT SWITCH FOR 35M	

ALLIED Commercial LF24 Compact and Gas Fired Unit Heaters



Standard



Compact

Features

- **Heating System:** 24-volt redundant combination gas control valve, solid-state electronic direct spark ignition, electronic flame sensor control, and pressure switch.
- **Inshot Burners:** Constructed of aluminized steel. Removable from unit for ease of service.
- **Tubular Heat Exchanger:** Aluminized steel for superior resistance to corrosion and oxidation. Curving design allows complete exposure of heating surfaces to supply air stream. Round tube surfaces allow for excellent heat transfer.
- **Limit Control:** Fixed temp. setting to protect unit from abnormal operating conditions.
- **Cabinet:** Heavy gauge painted steel. Inside insulation keeps outer cabinet surface low. Adjustable louvers for control of air flow direction.
- Approved for vertical or horizontal venting.

Standard Models

- For commercial applications
- 80.5% efficient
- 115,000 to 390,000 BTUH input

Compact Models

- For garages and non-confined living spaces
- 81% efficient
- 30,000 to 75,000 BTUH input

Warranties—Standard Models

- 10-year limited warranty on aluminized steel heat exchanger
- 1-year limited warranty on all other covered components

Warranties—Compact Models

- 5-year limited warranty on solid state ignition module in residential applications
- 1-year limited warranty on solid state ignition module in non-residential applications

CSA Certified

Model No.	Heating Input*	Heating Output**	Efficiency	Flue Size (In)‡	Gas Line Natural	Gas Line LP	Electrical	Shipping Weight
Standard Unit Heaters								
LF24-115A	115,000	92,000	80%	4	1/2	1/2	115/60/1	140
LF24-145A	145,000	116,000	80%	4	1/2	1/2	115/60/1	150
LF24-175A	172,500	138,000	80%	5	1/2	1/2	115/60/1	165
LF24-200A	195,000	156,000	80%	5	1/2	1/2	115/60/1	165
LF24-230A	230,000	184,000	80%	5	3/4	3/4	115/60/1	270
LF24-250A	250,000	241,500	80.5%	6	3/4	3/4	115/60/1	305
LF24-300A	300,000	201,250	80.5%	5	3/4	3/4	115/60/1	285
LF24-345A	245,000	276,000	80%	6	3/4	3/4	115/60/1	310
LF24-400A	390,000	312,000	80%	6	3/4	3/4	115/60/1	310
Compact Unit Heaters								
LF24-30A†	30,000	24,300	81%	3	1/2	1/2	115/60/1	60
LF24-45A†	45,000	36,500	81%	3	1/2	1/2	115/60/1	63
LF24-60A†	60,000	48,000	80%	4	1/2	1/2	115/60/1	87
LF24-75A†	75,000	60,000	80%	4	1/2	1/2	115/60/1	91

* Heating input same for natural or L.P. gas.
** Heating output same for natural or L.P. gas.
‡ Round pipe adaptor is furnished with heater for flue connection.
† Stainless steel venting material from DuraVent can be found in the Chimney and Venting section in Group 4 of this catalog.

Standard Unit Heaters

Prices Available on Request

Dimensions H x W x D	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
32-3/16 x 20-3/16 x 31-5/16	1	EA	60956	LF24-115A 115,000 BTU UNIT HEATER 23W52
32-3/16 x 20-3/16 x 31-5/16	1	EA	60961	LF24-145A 145,000 BTU UNIT HEATER 23W54A
32-3/16 x 23-1/8 x 31-5/16	1	EA	60966	LF24-175A 175,000 BTU UNIT HEATER 23W56A
32-3/16 x 23-1/8 x 31-5/16	1	EA	60968	LF24-200A 200,000 BTU UNIT HEATER 89K88A
32-3/16 x 41-1/8 x 31-5/16	1	EA	84625	LF24-250A 250,000 BTU UNIT HEATER 26J78A
32-3/16 x 41-1/8 x 31-5/16	1	EA	60973	LF24-230A 230,000 BTU UNIT HEATER 23W58A
32-3/16 x 41-1/8 x 31-5/16	1	EA	60976	LF24-300A 300,000 BTU UNIT HEATER 26J80A
32-3/16 x 41-1/8 x 31-5/16	1	EA	60978	LF24-345A 345,000 BTU UNIT HEATER 65K97A
32-3/16 x 41-1/8 x 31-5/16	1	EA	60984	LF24-400A 400,000 BTU UNIT HEATER 86K41A

Compact Unit Heaters

12 x 25 x 18-1/2	1	EA	60936	LF24-30A 30,000 BTU COMPACT UNIT HEATER 40K86A
12 x 25 x 18-1/2	1	EA	60937	LF24-45A 45,000 BTU COMPACT UNIT HEATER 40K87A
17 x 25 x 18-1/2	1	EA	60939	LF24-60A 60,000 BTU COMPACT UNIT HEATER 11L41A
17 x 25 x 18-1/2	1	EA	60940	LF24-75A 75.000 BTU COMPACT UNIT HEATER 11L42A

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LP Kits

Fits the Following Units	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Compact 30A, 45A, 60A, 75A	1	EA	65816	20L05 LP KIT FOR LF24-30,45,60,75	
Standard 400A	1	EA	65727	20L06 LP KIT FOR LF24-400A	
Standard 200A	1	EA	65728	20L07 LP KIT FOR LF24-200A	
Standard 115A, 145A, 175A	1	EA	66901	63J56 LP KIT FOR LF24-115/145/175	
Standard 230, 345	1	EA	66902	63J57 LP KIT FOR LF24-230/345	
Standard 250, 300	1	EA	84624	45L88 LP KIT FOR LF24-250/300	

ALLIED Commercial Parts for Commercial Unit Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66951	10J58 T6-2102 IGNITION CONTROL	
1	EA	66949	13H33 R38320B001 GAS VALVE	
1	EA	66953	17J56 65209300 ELECTRODE SENSOR	
1	EA	66952	17J57 65209400 ELECTRODE IGNITOR	
1	EA	66977	17J58 T6-2110 BURNER	
1	EA	66963	19J04 65237500 IND DRAFT BLOWER	
1	EA	66956	19J81 65208800 LIMIT CONTROL	
1	EA	66964	20J89 65204100 FLUE BLOWER	
1	EA	66975	20J92 5IN 65200400 FLUE ADAPTOR	
1	EA	66950	20J96 GAS VALVE	
1	EA	66957	20J98 65220500 LIMIT CONTROL	
1	EA	66978	20J99 65207900 SPILL SWITCH	
1	EA	66960	26W76 .40IN WC 65289200 PRESSURE SWITCH	
1	EA	66980	27K79 65257300 LIMIT CONTROL	
1	EA	66948	28J76 65211811 HEAT EXCHANGER	
1	EA	69207	43H89 K10 CONDENSER RELAY	
1	EA	60537	46K13 20IN FAN BLADE R41518-001	
1	EA	63459	46K90 R41667-001 COMBUSTION GASKET	
1	EA	66967	60905 14" 65248500 FAN BLADE	
1	EA	66954	78H55 120V 65209700 TRANSFORMER	
1	EA	66993	85K35 65208200 GAS VALVE (60J91)	
1	EA	66965	96M54 65333000 1/8HP 115V FAN MOTOR 33J39	
1	EA	63436	ALPKT550 LP KIT GC93 & GU93	
1	EA	67406	ALPKT516-4 LP KIT F/GUJ,GUK,GCJ,GHJ	
1	EA	60535	R40923-015 LIMIT SWITCH	
1	EA	60541	R43110-002 IGNITION CONTROL KIT	

REZNOR® UDAP Low Static Axial Fan Unit Heaters

Power Vented



Reznor® V3 Series Model UDAP gas-fired unit heaters are available in 14 sizes ranging from 30,000 to 400,000 BTUH gas input. Sizes 30–125 are approved for residential application. All sizes are approved for comm./ industrial installations. Model UDAP heaters are designed for 82–84% thermal efficiency and are approved for installation in the United States and Canada by the Canadian Standards Association (CSA).

- New T-core 2® design titanium stabilized aluminized steel heat exchanger (patent pending).
- New T-core 2® design single burner combustion system including a one-piece burner assembly (patent pending)
- 115/1/60 supply voltage.
- 115 volt open fan motor with internal overload protection.
- Transformer for 24-volt controls.
- Integrated circuit board with diagnostic indicator lights.
- Fan relay (included on the circuit board).
- Multi-try direct spark ignition with 100% lockout.
- Natural or propane single-stage gas valve (field adjustable for operation to 9,000 ft. elevation).
- Vibration/noise isolated fan and venter motors designed for low noise operation.
- 2-pt and 4-pt suspension standard on all sizes.
- External terminal strip for 24-volt wiring.
- External gas connection.
- Full fan guard engineered for safety.
- Improved cabinet design with less visible hardware and a new Reznor appearance.
- Design certified by SA and CGA.

Model No.	30	45	60	75	100	125	150	175	200	225	250	300	350	400
BTUH Input	30,000	45,000	60,000	75,000	105,000	120,000	150,000	175,000	200,000	225,000	250,000	300,000	350,000	400,000
Thermal Eff. (%)	82	83	83	84	84	84	83	83	83	83	83	83	83	83
BTUH Output*	24,600	37,350	49,800	63,000	88,200	100,800	124,500	145,250	166,000	186,750	207,500	249,000	290,500	332,000
Gas Conn. (In.) Nat. ‡	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4	¾	3/4
Vent Conn. Size (In.) Diameter†	4	4	4	4	4	4	5	5	5	5	5	6	6	6
Control Amps (24V)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Full Load Amps (115V)	1.9	2.4	2.4	3.3	3.9	5.1	3.8	3.8	4.6	7.5	7.5	10.7	10.7	10.7
Max. Over Current Protection (115V)D	15	15	15	15	15	15	15	15	15	15	15	20	20	20
Fan Motor HP**	0.02	0.03	0.03	0.06	1/30	1/20	1/6	1/6	1/6	1/4	1/4	1/2	1/2	1/2
Fan Motor RPM	1550	1550	1550	1550	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050
Fan Diameter (In.)	10	10	12	12	16	16	18	18	18	20	20	24	24	24
Approx. Net Wt. (Lbs.)	54	59	67	72	96	101	172	187	187	203	215	269	294	306
Approx. Ship Wt. (Lbs.)	61	66	74	79	118	123	204	219	219	245	257	321	346	358

* CSA ratings for altitudes to 2000 feet. ‡ Size shown is for gas to a single-stage gas valves, not supply line size.

† Smaller and/or larger vent pipe diameters may be permissible; refer to the Venting Installation Manual for Power Vented Units. D MOPD = 2.25 x (largest motor FLA) + smallest motor FLA. Answer is rounded to the nearest commercially available circuit breaker.

** All other

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	67697	RZUDAP30 30,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67698	RZUDAP45 45,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67699	RZUDAP60 60,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67700	RZUDAP75 75,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67701	RZUDAP100 100,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67702	RZUDAP125 125,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67703	RZUDAP150 150,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67704	RZUDAP175 175,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67705	RZUDAP200 200,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67706	RZUDAP225 225,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67707	RZUDAP250 250,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67708	RZUDAP300 300,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67709	RZUDAP350 350,000 BTUH V3 POWER VENT UNIT HEATER		
1	EA	67710	RZUDAP400 400,000 BTUH V3 POWER VENT UNIT HEATER		

REZNOR® UDAS Low Static Unit Heaters

Separated Combustion



Reznor® V3 Series Model UDAS gas-fired separated combustion unit heaters are available in 14 sizes ranging from 30,000 to 400,000 BTUH gas input. Sizes 30–125 are approved for residential application. All sizes are approved for commercial/industrial installations. Model UDAS heaters are designed for 82–84% thermal efficiency and are approved for installation in the United States and Canada by the Canadian Standards Association (CSA).

- New T-core2® design titanium stabilized aluminized steel heat exchanger (patent pending).
- New T-core2® single burner combustion system including a one-piece burner assembly (patent pending).
- 115/1/60 supply voltage.
- Integrated circuit board with diagnostic indicator lights.
- Multi-try direct ignition with 100% lockout.
- Fan relay (included on the circuit board).
- Natural or propane single-stage gas valve (field adjustable for operation to 9,000 ft. elevation).
- Vibration/noise isolated fan and venter motors designed for low noise operation.
- 2-pt and 4-pt suspension standard on all sizes.
- External terminal strip for 24-volt wiring.
- External gas connection.
- Full fan guard engineered for safety.
- Improved cabinet design with less visible hardware and a new Reznor appearance.
- Design certified by SA and CGA.

Model No.	30	45	60	75	100	125	150	175	200	225	250	300	350	400
BTUH Input	30,000	45,000	60,000	75,000	105,000	120,000	150,000	175,000	200,000	225,000	250,000	300,000	350,000	400,000
Thermal Eff. (%)	82	83	83	84	84	84	83	83	83	83	83	83	83	83
BTUH Output*	24,600	37,350	49,800	63,000	88,200	100,800	124,500	145,250	166,000	186,750	207,500	249,000	290,500	332,000
Gas Conn. (In.) Nat. [a]	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	3/4
Vent Conn. Size (In.) Diameter[b]	4	4	4	4	4	4	5	5	5	5	5	6	6	6
Combustion Air Inlet (In.) Dia.[c]	4	4	4	4	4	4	6	6	6	6	6	6	6	6
Control Amps (24V)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Full Load Amps (115V)	1.9	2.4	2.4	3.3	3.9	5.1	3.8	3.8	4.6	7.5	7.5	10.7	10.7	10.7
Max. Over Current Protection (115V)[d]	15	15	15	15	15	15	15	15	15	15	15	20	20	20
Fan Motor HP[e]	0.02	0.03	0.03	0.06	1/30	1/20	1/6	1/6	1/6	1/4	1/4	1/2	1/2	1/2
Fan Motor RPM	1550	1550	1550	1550	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050
Fan Diameter (In.)	10	10	12	12	16	16	18	18	18	20	20	24	24	24
Approx. Net Wt. (Lbs.)	55	60	68	73	97	102	173	188	188	204	216	270	295	307
Approx. Ship Wt. (Lbs.)	63	68	76	81	120	125	206	221	221	247	259	323	348	360

[a] CSA ratings for altitudes to 2000 feet.

[b] Size shown is for gas to a single-stage gas valves, not supply line size.

[c] Smaller or larger vent and combustion air pipes may be permissible; refer to the Venting Installation Manual for Separated Combustion Units.

[d] MOPD = 2.25 x (largest motor FLA) + smallest motor FLA. Answer is rounded to the nearest commercially available circuit breaker.

[e] All other information in this table is based on a heater equipped with a standard 115 volt open fan motor.

Concentric Adapter Cross Reference

UDAS Model Size	Vent Diameter (In.)	Combustion Air Dia. (In.)	SFT		UDAS		Horizontal or Vertical Vent Kits
			Bercor Number	Concentric Adapter	Bercor Number	Concentric Adapter	
30–125	3 or 4	3 or 4	N/A	157155	67672	197086	CC2
30–125	3 or 4	3 or 4	N/A	157157	67673	197090	CC6
150–400	5	6	N/A	None	67674	197087	CC2
150–400	5	6	N/A	None	67675	197091	CC6

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UDAS Unit Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	67711	RZUDAS30 30,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67712	RZUDAS45 45,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67713	RZUDAS60 60,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67714	RZUDAS75 75,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67715	RZUDAS100 100,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67716	RZUDAS125 125,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67717	RZUDAS150 150,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67718	RZUDAS175 175,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67719	RZUDAS200 200,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67738	RZUDAS250 250,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67739	RZUDAS300 300,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67747	RZUDAS350 350,000 BTUH V3 SEP.COMB.UNIT HEATER		
1	EA	67748	RZUDAS400 400,000 BTUH V3 SEP.COMB.UNIT HEATER		

Vent Kits for UDAS

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	67672	RZ205895 CC2 VERTICAL VENT KIT UDAS 30-125	
1	EA	67673	RZ211762 CC6 HORIZONTAL VENT KIT UDAS 30-125	
1	EA	67674	RZ205896 CC2 VERTICAL VENT KIT UDAS 150-400	
1	EA	67675	RZ211763 CC6 HORIZONTAL VENT KIT UDAS 150-400	
1	EA	62264	RZ209343 CC14 FLUSH WALL HORIZ VENT KIT UDAS	

UDAP/UDAS NAT to LP Conversion Kits

1	EA	62263	RZ269835 UDAP/UDAS 30-45 NAT TO LP KIT RZ201727	
1	EA	62268	RZ269836 UDAP/UDAS 60-75 NAT TO LP KIT (RZ201728)	
1	EA	62269	RZ269837 UDAP/UDAS 100-125 NAT TO LP KIT (RZ202938)	
1	EA	62277	RZ269838 UDAP/UDAS 150-175 NAT TO LP KIT (RZ201730)	
1	EA	62278	RZ269839 UDAP/UDAS 200-250 NAT TO LP RZ201731	
1	EA	62279	RZ201732 UDAP/UDAS 300-400 NAT TO LP KIT	

Hanger Kits

1	EA	62614	RZ197094 CK22 UDAS/UDAP MODELS 30-125 OPTIONAL HANGER KIT	

REZNOR® UDAP/UDAS Replacement Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62377	RZ175265 115V 25VA UDAP/UDAS TRANSFORMER	
1	EA	62410	RZ175272 UDAP/UDAS IGNITOR ELECTRODE ASSBLY	
1	EA	62323	RZ195036 30-175 UDAP/S VENTER WHEEL	
1	EA	62385	RZ195265 UDAP/UDAS CIRCUIT BOARD	
1	EA	62396	RZ195292 UDAP/UDAS FLAME SENSOR	
1	EA	62330	RZ195666 200-400 UDAP/S VENTER WHEEL	
1	EA	62371	RZ195766 UDAP MODELS 30-175 COOLING FAN	
1	EA	62333	RZ236157 115V VENTER MOTOR UDAP/S 150-175 (RZ196036)	
1	EA	62335	RZ196037 115V VENTER MOTOR UDAP/S 200-250	
1	EA	62498	RZ196236 115V VENTER MOTOR UDAP/S 300-400	
1	EA	62287	RZ196241 115 V FAN MOTOR UDA 45 & 60	
1	EA	62288	RZ196242 115 V FAN MOTOR UDA 75	
1	EA	62289	RZ196243 115 V FAN MOTOR UDA 100	
1	EA	62296	RZ196244 115 V FAN MOTOR UDA 125	
1	EA	62297	RZ196245 115 V FAN MOTOR UDA 150-175	
1	EA	62322	RZ196247 115V FAN MOTOR UDAP/S 300-400	
1	EA	62301	RZ196388 UDAP 60-100 150-175 PRESSURE SWITCH	
1	EA	62304	RZ260603 UDA 100-200 SINGLE STG GAS VALVE RZ196980	
1	EA	62305	RZ196981 UDA 225-400 SINGLE STG GAS VALVE	
1	EA	62299	RZ197030 UDAP 30,45,125 PRESSURE SWITCH	
1	EA	62255	RZ207938 CK 10 HANGER KIT	
1	EA	62332	RZ260422(256091) 115V VENTER MOTOR UDAP/S 100-125	

REZNOR® UEAS Low Static Axial Fan Unit Heaters

Separated Combustion



Reznor® V3 Series Model UEAS gas-fired separated combustion unit heaters are available in 4 sizes ranging from 131,000 to 305,000 BTUH gas input. Heaters are designed for up to 93% thermal efficiency and are approved for installation in the United States and Canada by ETL.

- New T-core³™ titanium stabilized aluminized steel primary heat exchanger with extruded aluminum MacroChannel secondary heat exchanger (patent pending).
- New patented Tcore³™ single burner combustion system including a one-piece burner assembly.
- 115/1/60 supply voltage
- Integrated circuit board with diagnostic indicator lights
- Multi-try direct ignition with 100% lockout
- Fan relay (included on the circuit board)
- Single-stage natural gas valve (field adjustable for operation to 10,000 ft. elevation)
- Vibration/noise isolated fan motor
- 4-point suspension
- External terminal strip for 24-volt wiring
- LP Kit included
- External gas connection
- Full fan guard engineered for safety
- Improved cabinet design with less visible hardware and a new Reznor appearance

Model No.	130	180	260	310
BTUH Input	131,000	175,000	260,000	305,000
Thermal Eff. (%)	93	91	92	91
BTUH Output[a]	121,830	159,250	239,200	277,550
Air Throw (Ft.)[b]	69	91	89	103
Gas Conn. (In.) Nat.[c]	1/2	1/2	3/4	3/4
Vent Conn. Size (In.) Diameter[d]	4	4	4	4
Combustion Air Inlet (In.) Dia.[d]	6	6	6	6
Control Amps (24V)	1.0	1.0	1.0	1.0
Full Load Amps (115V)	6.3	6.3	10	10
Max. Over Current Protection (115V)[e]	15	15	20	20
Fan Motor HP[f]	1/4	1/4	1/2	1/2
Fan Motor RPM	1050	1050	1050	1050
Fan Diameter (In.)	18	18	24	24
Approx. Net Wt. (Lbs.)	230	245	360	395
Approx. Ship Wt. (Lbs.)	255	270	385	420

[a] CSA ratings for altitudes to 2000 feet.

[b] For unit mounted 10 feet with louver angle ranging between 25° and 32°.

[c] Size shown is for gas to a single-stage gas valves, not supply line size.

[d] Smaller or larger vent and combustion air pipes may be permissible; refer to the Venting Installation Manual for Separated Combustion Units.

[e] MOPD = 2.25 x (largest motor FLA) + smallest motor FLA. Answer is rounded to the nearest commercially available circuit breaker.

[f] All other information in this table is based on a heater

Unit Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	67736	RZUEAS130 130,000 BTUH 115V SUPER - HIGH EFFICENCY UNIT HEATER		
1	EA	67737	RZUEAS180 180,000 BTUH 115V SUPER - HIGH EFFICIENCY UNIT HEATER		
1	EA	67749	RZUEAS260 260,000 BTUH 115V - HIGH EFFICIENCY UNIT HEATER		
1	EA	67765	RZUEAS310 310,000 BTUH 115V SUPER - HIGH EFFICENCY UNIT HEATER		

Vent Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62260	RZ221247 CC6 HORIZONTAL VENT KIT UEAS	
1	EA	62261	RZ221248 CC2 VERTICAL VENT KIT UEAS	

REZNOR® Model X Gas-Fired Duct Furnaces

Gravity Vented, Indoor Commercial/Industrial Use



Reznor X Series duct furnaces are designed to provide 80% thermal efficiency for indoor application with gravity venting. These models are used as heating components in heating, heating/cooling, or makeup air systems and require a separate blower system for air delivery. The furnace has a Reznor Thermocore® aluminized steel heat exchanger with venturi-design tubes. The die-formed burners are of aluminzed steel and include flared ports with a stainless steel insert.

Features

- Orifices for natural gas
- AC2 models feature 409 stainless steel heat exchanger
- Aluminized steel burners with stainless steel insert
- 120-volt supply voltage
- 24-volt control voltage transformer
- High limit safety cutout
- AG2 models feature 2-stage gas valve
- Side access for burners and controls (left-side facing airstream)
- Horizontal or vertical flue discharge
- Spark-ignited pilot
- Fan control
- Terminal blocks for connecting field wiring
- Blocked vent shut-off system

Model No.	Size	175	225	300	400
Input Heating Capacity	BTUH	175,000	225,000	300,000	400,000
Output Heating Capacity (80%)[1]	BTUH	140,000	180,000	240,000	320,000
Full Load Amps	(115 V)	0.2	0.2	0.2	0.2
Unit Control Amps	(24 V)	0.3	0.3	0.3	0.3
Air Volume with Finger Baffles	(cfm)	1,430–2,580	1,840–3,315	2,455–4,420	3,275–5,895
Air Volume without Baffles[2]	(cfm)	1,720–6,450	2,210–8,295	2,945–11,060	3,930–14,745
Ship Weight	(Lbs)	230	290	360	4203/4
Gas Connections, Nat.[3]	(In)	1/2	1/2	3/4	3/4
Flue Size/Shape	(In)	8/Oval	8/Round	10/Oval	12/Oval

1 In U.S. ratings are for altitudes to 2,000 ft. Above 2,000 ft. derate by orifice change, 4% for each 1,000 ft. above sea level.

2 For high air volume the finger-baffles in the heat exchanger section are removed during unit installation. See installation manual for instructions.

3 Sizes show are for natual gas connections and apply to single-stage gas valves. Sizes are NOT supply line size. Propane gas connection is 1/2" for all sizes.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	67902	RZX175 175,000 BTUH DUCT HEATER AC2 AG2		
1	EA	67903	RZX225 225,000 BTUH DUCT HEATER AC2 AG2		
1	EA	67904	RZX300 300,000 BTUH DUCT HEATER AC2 AG2		
1	EA	67906	RZX400 400,000 BTUH DUCT HEATER AC2 AG2		

REZNOR® EEDU Gas-Fired Duct Furnaces

Power Vented, Indoor Commercial/Industrial Use



EEDU furnaces are up to 25% more fuel efficient than gravity-vented duct furnaces. The use of a factory-installed power venter with metered combustion air, limits burner flue losses while reducing the required vent pipe size. A sealed vent product collection changer, in lieu of a draft diverter, reduces the loss of dilution air from the room in both the on and off cycles.

- Orifices for natural gas
- AC2 models feature 409 stainless steel heat exchanger
- Aluminized steel burners with stainless steel insert
- 120-volt supply voltage
- 120-volt limit control
- 24-volt control voltage transformer
- Factory-installed power venter
- Spark-ignited intermittent safety pilot with electronic flame supervision
- Burner rack access
- Hanger/support angle
- AG2 models feature 2-stage gas valve
- Combustion air pressure switch

Model No.	Input Htg. Capacity (BTUH)	Output Htg Cap. (80%)[1] (BTUH)	Full Load Amps (115 V)	Unit Control Amps (24 V)	Air Volume with Finger Baffles (cfm)	Air Volume without Finger Baffles[2] (cfm)	Ship Weight (Lbs)	Nat. Gas Connections[3] (In)	Venter Outlet Size[4] (In)
EEDU250	250,000	200,000	2.0	0.7	2,045–3,689	2,630–9,215	240	1/2	5
EEDU400	400,000	320,000	2.0	0.7	3,275–5,895	4,210–14,745	362	3/4	6

1 In U.S. ratings are for altitudes to 2,000 ft. Above 2,000 ft. derate by orifice change, 4% for each 1,000 ft. above sea level.

2 For high air volume the finger-baffles in the heat exchanger section are removed during unit installation. See installation manual for instructions.

3 Sizes show are for natual gas connections, NOT supply line size. Propane gas connection is 1/2" for all sizes.

4 Refer to power venting arrangements and wall or roof penetration details.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	67908	RZEEDU250 250,000 BTUH POWER VENT DUCT HEATER AC2 AG2		
1	EA	67909	RZEEDU400 400,000 BTUH POWER VENT DUCT HEATER AC2 AG2		

REZNOR® RP Gas-Fired Duct Furnace

Power Vented, Indoor Commercial/Industrial Use



The RP furnace includes an integral power vent system that provides metered combustion air, dilutes flue products, and eliminates the need for a vent cap. It is up to 25% more fuel efficient than gravity-vented duct furnaces. A separate blower system is required for air delievery.

- 80% AFUE
- Orifices for natural gas
- Aluminized steel burners with stainless steel insert
- 120-volt supply voltage
- 120-volt limit control
- 24-volt control voltage transformer
- Factory-installed power venter
- Redundant, single-stage combination gas valve
- Spark-ignited intermittent safety pilot with electronic flame supervision
- Terminal block wiring
- Left side access for burners and controls
- Weatherized steel cabinet with interlocking joints for outdoor mounting

Model No.	Input Htg. Capacity (BTUH)	Output Htg Cap. (80%)[1] (BTUH)	Full Load Amps (115 V)	Unit Control Amps (24 V)	Air Volume with Finger Baffles (cfm)	Air Volume without Finger Baffles[2] (cfm)	Ship Weight (Lbs)	Nat. Gas Connections[3] (In)	Venter Outlet Size[4] (In)
RZRP400	400,000	320,000	1.9	0.83	3,275-5,895	3,930-14,745	403	3/4	6

1 In U.S. ratings are for altitudes to 2,000 ft. Above 2,000 ft. derate by orifice change, 4% for each 1,000 ft. above sea level.

2 For high air volume the finger-baffles in the heat exchanger section are removed during unit installation. See installation manual for instructions.

3 Sizes show are for natual gas connections, NOT supply line size. Propane gas connection is 1/2" for all sizes.

4 Refer to power venting arrangements and wall or roof penetration details.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	67907	RZRP400 400,000 BTUH OUTDOOR DUCT HEATER AC2 AG2		

REZNOR® Replacement Parts

Fits the Following Units	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
301 Venter, X400	1	EA	62578	RZ007299 154 REZ SAIL SWITCH	
X400 Trim to Regular Size, X Series	1	EA	62462	RZ009520 LIGHTER TUBE ASSY	
	1	EA	62591	RZ011493 1/40 HP REZ MOTOR	
401 Venter	1	EA	62579	RZ013925 SAIL SWITCH	
PAK/BF Blower	1	EA	62532	RZ014474 1 3/16 BEARING	
Venter Relay SPST (RBM)	1	EA	62595	RZ263527 REZ RELAY PKG RZ014747	
PV Series	1	EA	62533	RZ017155 PRESSURE SWITCH	
X-XL 125-400 Flash Tube	1	EA	62470	RZ017890 J963HXA-6218 HORIZ PILOT	
Pilot Solenoid 1/4 Inch	1	EA	62479	RZ025787 PILOT VALVE	
V301/401 RPV Series 1	1	EA	62583	RZ029571 230V REZ MOTOR	
V301	1	EA	62482	RZ029791 5/16 IN WHEEL	
V401	1	EA	62483	RZ029792 5/16 IN WHEEL	
Venter Motor SC/RPV	1	EA	62485	RZ036860 1/12 HP MOTOR	
SC Series Prior to Series 3	1	EA	62474	RZ037801 LP ORIFICE	
Old SC/RPV Seris 2 230V	1	EA	62487	RZ040069 VENTER MOTOR	
XL30-105	1	EA	62537	RZ040964 PILOT ASSY	
CL-EEXL 300/105/125/140 F-FE100	1	EA	62557	RZ041004 FAN BLADE	
2 Stage Duct Thermostat	1	EA	62488	RZ041700 TEMP CONTROLLER	
Vertical Spark Pilot RPV/PV	1	EA	62467	RZ041775 PILOT BURNER J999HHW-6221	
RCG and RPV Series 3	1	EA	62538	RZ043425 VENTER WHEEL	
G60 Ignition Controller	1	EA	62490	RZ043594 FLAME PROBE	
	1	EA	62534	RZ043814 WHEEL	
G60 9" Long Sub 50450	1	EA	62492	RZ044675 SENSOR LEAD	
	1	EA	62494	RZ045331 1/40 HP MOTOR	
F-FE-FT-SFT	1	EA	62613	RZ045602 L185 REZ LIMIT CONTROL	
XL-EEXL 150/170	1	EA	62558	RZ045946 16" FAN BLADE	
	1	EA	62585	RZ046163 REZ VENTER ADAPTOR	
RCG	1	EA	62573	RZ047484 PILOT BURNER	
	1	EA	62559	RZ048696 16" FAN BLADE	
	1	EA	62620	RZ050417 L125 REZ LIMIT CTRL	
	1	EA	62627	RZ050418 L145 REZ LIMIT CTRL	
G60 16" Long	1	EA	62544	RZ050450 SENSOR LEAD	
	1	EA	62616	RZ055680 1/20 HP MOTOR	
	1	EA	62617	RZ055681 1/8 HP MOTOR	
EEXL 125-250	1	EA	62548	RZ061069 VENTER MOTOR	
XL-EEXL 125-400	1	EA	62628	RZ061145 HORIZ SPARK PILOT	
EEXL 30-105	1	EA	62630	RZ068002 VENTER MOTOR	
Most All Reznor Models	1	EA	62631	RZ068005 2-1/4 INDUCER FAN BLADE	
EEXL 30-105	1	EA	62632	RZ068006 VENTER BLOWER WHEEL	
EEXL 30-105	1	EA	62633	RZ068031 PRESS SWITCH	
SC Series 3	1	EA	62598	RZ068266 PRESSURE SWITCH	
Most Reznor Models	1	EA	62656	RZ082091 LIMIT CONTROL	
F & FE 75-400	1	EA	62447	RZ082414 ECO DEVICE	
RDF	1	EA	62449	RZ082610 LIMIT SW MANUAL RESET	
F & FE	1	EA	62657	RZ085449 LIMIT CONTROL	
EEXL 300-400	1	EA	62507	RZ087434 VENTER MOTOR	
H91LG-8	1	EA	62496	RZ088242 3/4 IN SOLENOID VALVE	
	1	EA	62618	RZ088781 1/6 HP MOTOR	
XL-EEXL 30-105	1	EA	62635	RZ093971 HORIZ SPARK PILOT	
	1	EA	62541	RZ093973 ORIFICE	
3 Pole	1	EA	62531	RZ095526 CONTACTOR W/24V COIL	
F-FE300	1	EA	62472	RZ095545 1/4 HP OPEN FAN MOTOR	
F-FE250	1	EA	62473	RZ095546 1/6 HP OPEN FAN MOTOR	
F-FE130-200	1	EA	62476	RZ095547 1/20 HP FAN MOTOR	
F-FE100, 125	1	EA	62477	RZ095548 1/30 HP FAN MOTOR	
F-FE25	1	EA	62480	RZ096286 115V OPEN FAN MOTOR	
F-FE50	1	EA	62484	RZ096287 115V OPEN FAN MOTOR	
F-FE75	1	EA	62502	RZ096288 115V OPEN FAN MOTOR	
W/R 36C03-270	1	EA	62444	RZ096300 1/2 IN COMB VALVE W/ECO	
F25-100	1	EA	62980	RZ096301 3/4 NAT VALVE	
RA6100DER	1	EA	62647	RZ096307 1/2 IN COMB VALVE	
Model F Match-Lit Pilot	1	EA	62523	RZ096360 PILOT ASSY W/ORIF L/TUBE	

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Replacement Parts (Continued)

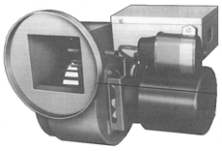
Fits the Following Units	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
F-FE75	1	EA	62453	RZ096379 12" FAN BLADE	
F-FE165	1	EA	62468	RZ096380 FAN BLADE	
F-FE200	1	EA	62469	RZ096381 20" FAN BLADE	
F-FE250	1	EA	62518	RZ096382 22" FAN BLADE	
F-FE400	1	EA	62606	RZ096384 24" FAN BLADE	
F250-300	1	EA	62542	RZ096512 LIMIT CONTROL	
	1	EA	62621	RZ096978 G67 REPL KIT	
F & FE75-400	1	EA	62556	RZ097479 TIME DELAY RELAY	
F & FE with Spark Pilot	1	EA	62562	RZ097534 PILOT ASSY W/ORIF,TUBE - NO FITTINGS	
F & FE with Spark Pilot	1	EA	62565	RZ097572 1/8 IN COMP FITTING	
FE130-400	1	EA	62566	RZ097575 FLAME SENSOR LEAD 21IN	
FE25-100	1	EA	62571	RZ097724 VENTER WHEEL	
FE25-100	1	EA	62572	RZ097725 VENTER WHEEL	
	1	EA	62359	RZ097727 FE25-100 VENTER ASSEMBLY	
	1	EA	62354	RZ194687 FE130-400 VENTER ASSEMBLY (RZ097730)	
F130-200	1	EA	62612	RZ018549 RELAY (RZ098118)	
RP125-350	1	EA	62526	RZ092778 VENTER HOUSING RP125-350	
	1	EA	62982	RZ098468 115V VENTER F130-200	
F25-400, FE130-400	1	EA	62983	RZ098471 115V VENTER F250-400	
F-FE25-400	1	EA	62608	RZ098508 CK7 4-POINT HANGER	
FE25-100	1	EA	62609	RZ098509 CK8 2-POINT HANGER	
F/FE 25-400 w/Pilot Code 65 or 66;TR & TR-H 50-200	1	EA	62602	RZ098697 FLAME ROD	
F, B/BE 50 AH3	1	EA	62422	RZ099244 CONV KIT NAT-LP	
F, B/BE 130-250	1	EA	62425	RZ099247 CONV KIT NAT-LP	
F/FE; B/BE; TR/TR-H; SC/SCE Series 6	1	EA	62549	RZ098698 PILOT TUBING	
FT 200-300; B/BE 130-400	1	EA	62658	RZ100799 LIMIT CONTROL	
	1	EA	62440	RZ1012961 1/5HP AK2/3 UDBP/S VENTER MOTOR (RZ196830)	
	1	EA	62429	RZ103054 TRANSFORMER	
	1	EA	62419	RZ103055 TRANSFORMER	
	1	EA	62570	RZ103323 AUTO LIMIT SWITCH 90-150F	
	1	EA	62547	RZ103498 480/24V 40VA TRANS	
F-FE130	1	EA	62450	RZ104692 FAN BLADE	
F, B 25-400	1	EA	62651	RZ110851 STANDING PILOT ASSY NATURAL GAS	
	1	EA	62605	RZ110857 PILOT ASSY	
TR, TR-H	1	EA	62649	RZ110853 SPARK PILOT ASSY NATURAL GAS	
125-400	1	EA	62974	RZ110859 PILOT ASSEMBLY KIT	
	1	EA	62457	RZ110861 PILOT KIT	
	1	EA	62524	RZ110863 PILOT ASSEMBLY KIT NATURAL	
	1	EA	62270	RZ112107 PRESSURE SWITCH	
F-FE25-165	1	EA	62660	RZ112752 BLOCKED VENT SWITCH	
	1	EA	62286	RZ120048 PILOT ASSEMBLY	
	1	EA	67720	RZ121275 BLOCKED VENT SWITCH	
	1	EA	62642	RZ121598 1/2 IN COMB VALVE	
	1	EA	62219	RZ121599 GAS VALVE 96308	
	1	EA	62291	RZ121865 HOT SURFACE IGNITOR	
F & FE200-400	1	EA	62525	RZ123974 FAN CONTROL W/BRACKET (48706)	
	1	EA	62659	RZ123975 FAN CONTROL W/BRACKET	
F & FE	1	EA	62604	RZ123976 FAN CONTROL W/BRACKET	
F & FE	1	EA	62584	RZ125131 PRESSURE SWITCH	
FT150-200	1	EA	67727	RZ125251 NT PILOT BURNER Q90FF-3D	
F & FT60, 75	1	EA	62436	RZ125566 FAN BLADE	
F & FE50	1	EA	62452	RZ129853 10" FAN BLADE	
F	1	EA	62491	RZ131410 VENTER MOTOR (43846) (163891)	
	1	EA	62215	RZ131415 VENT MOTOR (163892)	
F & FE25-50	1	EA	62550	RZ131449 ECO LIMIT CONTROL	
F	1	EA	62458	RZ131450 F-SERIES ECO DEVICE	
Most All Reznor Models	1	EA	62520	RZ131457 SC-6 NATURAL GAS REPL PILOT KIT	
BE, FE 125	1	EA	62972	RZ131986 VENTER MOTOR & WHEEL ASSEMBLY	
FE125	1	EA	62266	RZ131987 FE125 VENTER MOTOR WHEEL	
F 25-400	1	EA	62648	RZ131988 TRANSFORMER	
F 75-400	1	EA	62428	RZ132204 115V 20VA TRANSFORMER	
	1	EA	62443	RZ132377 115V VENTER MOTOR	
	1	EA	62653	RZ132378 VENTER MOTOR REPL KIT	
F & B	1	EA	62652	RZ132379 460V VENTER MOTOR W/ CAP AND BRKT	
F & FE25	1	EA	67750	RZ132465 FAN BLADE (096377)	
	1	EA	62976	RZ135979 VENTER WHEEL	
	1	EA	62290	RZ134706 FLAME SENSOR	

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Replacement Parts (Continued)

Fits the Following Units	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
XL-EEXL250	1	EA	62589	RZ141598 FAN BLADE	
FT30-300	1	EA	62654	RZ147165 FLAME SENSOR	
FT30-300	1	EA	62661	RZ147166 SPARK ELECTRODE	
FT 30-75	1	EA	67729	RZ147359 VENTER MOTOR ASSEMBLY	
	1	EA	62588	RZ147676 FAN CONTROL	
(S) FT100, 125, 150, 200	1	EA	62685	RZ147830 GAS VALVE	
FT 150-200	1	EA	62575	RZ214067 VENTER MOTOR RZ148053	
FT 100-125	1	EA	67751	RZ148055 VENTER MOTOR (RZ97738)	
FT100, 125	1	EA	62441	RZ148056 VENTER MOTOR ASSY	
FT150, 200	1	EA	62442	RZ148057 VENTER MOTOR ASSEMBLY	
	1	EA	62655	RZ149160 VENTER MOTOR/WHEEL ASSEMBLY	
F & FT100, 125, 175	1	EA	62437	RZ150155 FAN BLADE	
F & FT100, 125	1	EA	62478	RZ156275 1/2 HP FAN MOTOR	
SC, SCA, SCE Series	1	EA	62051	RZ163893 460 VOLT VENTER MOTOR (RZ165986)	
	1	EA	62420	RZ163894 CAPACITOR	
W/R 36D13-208	1	EA	62504	RZ177396 1/2 IN 2 STAGE COMBINATION VALVE	
W/R 36D13-415	1	EA	62505	RZ177397 3/4 IN 2 STAGE COMB VALVE(087432)	
All EEXL	1	EA	62629	RZ177633 PRESS SWITCH	
	1	EA	62643	RZ194805 VENTER MOTOR CLIP	
	1	EA	61946	RZ195573 DSI CONTROL BOARD WITH COOLING	
	1	EA	62438	RZ195643 7.5MFD CAPACITOR	
	1	EA	62439	RZ195647 FAN BLADE	
	1	EA	62975	RZ195680 FAN BLADE	
	1	EA	62448	RZ195683 FAN BLADE	
	1	EA	62978	RZ195682 FAN BLADE 20"	
	1	EA	62499	RZ193810 PRESSURE SWITCH (125133)	
FT30-200	1	EA	67725	RZ196362 (RZ148072) PRESSURE SWITCH	
FE & BE	1	EA	62600	RZ196653 PRESSURE SWITCH	
	1	EA	62977	RZ201158 PRESSURE SWITCH 1.10WC	
	1	EA	62292	RZ204376 IGNITOR BOARD	
VR	1	EA	62218	RZ204955 IGNITION CONTROL FOR VR	
F-NAT 130	1	EA	62400	RZ208920 1/2 NATURAL GAS VALVE (96299)	
Most Reznor Models	1	EA	62603	RZ209184 F-125 REZ FAN CONTROL (WAS 10357)	
Post Purge SW PV/RPV 5 Prong	1	EA	62465	RZ209187 FAN CONTROL	
	1	EA	62979	RZ209411 VENTOR MOTOR/WHEEL ASSY	
	1	EA	62293	RZ217032 VENTER MOTOR	
	1	EA	61948	RZ220779 UDA 30-75 115V VENTER ASSEMBLY WITH WHEEL	
	1	EA	61949	RZ220780 UDA 100-125 115V VENTER ASSEMBLY WITH WHEEL	
	1	EA	61951	RZ220784 UDA 200-250 115V VENTER ASSEMBLY WITH WHEEL	
	1	EA	61952	RZ220786 UDA 300-400 115V VENTER ASSEMBLY WITH WHEEL	
	1	EA	62360	RZ221525 (RZ96309 AND RZ222037) NATURAL GAS VALVE	
All FE	1	EA	62650	RZ257472 WAS 097782 IGN CONTROL - SPARK PILOT	
(S) FT30-200	1	EA	67722	RZ257531 (RZ174260) CIRCUIT BOARD KIT	
	1	EA	62216	RZ258251 DSI BOARD FIELD REPLMNT KIT	
	1	EA	62271	RZ259521 TIME DELAY RELAY	
	1	EA	62295	RZ271461 FAN MOTOR 115V 1/4HP	

REZNOR® 301, 401 Power Venters



These power venters are motorized vent exhausters designed to permit the installation of a gravity-vented heater in an area of negative pressure up to 0.15 in. w.c. or where horizontal venting is required.

Use Venters with the Following Models

- Duct Furnaces: X/DX/HX, CX/HCX
- Packaged Duct Furnaces and Blower: XE/HXE, CXE/HCXE

For Heater Sizes	Voltage	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
30-300	115/24	1	EA	62497	RZ029992 LV301 REZNOR VENTER	
350-400	115/24	1	EA	62500	RZ029994 LV401 REZNOR VENTER	
30-300	230/24	1	EA	62501	RZ030231 LV301-H REZNOR VENTER	
350-400	230/24	1	EA	62503	RZ030235 LV401-H REZNOR VENTER	

REZNOR® Accessories for Model B Unit Heater

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62254	CW1 BLOWER CAB F/B200	
1	EA	62258	CD9 DUCT FLANGE F/B200	

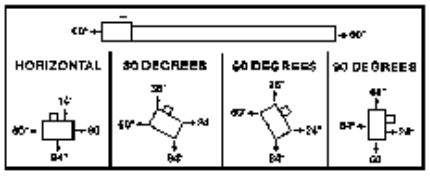
REZNOR® Accessories for VR Radiant Heater

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64096	RZ205205 VRF TUBE ASSEMBLY PACKAGE	
1	EA	62257	RZ269843 VR 125-150 CONV KIT NAT-LP (RZ205515)	

RSTP Tube Heater

Parts for Vented Radiant Tube Heaters





- Pull-through system (vacuum)— the products of combustion are pulled through the combustion chamber for increased radiant efficiency and greater safety.
- Each unit is equipped with an individual draft inducer for maximum venting flexibility.
- Vented, common vented, or indirect vented operation.
- Draft inducer is equipped with permanently lubricated, totally enclosed, fan-cooled, and heavy duty ball bearing motor to minimize field maintenance.
- Rugged body construction. Completely factory assembled unitized design saves installation time and money.
- 16 gauge 4" O.D. calorized steel emitter tubes.
- Highest radiant efficiency tube heaters. Tube temperatures average 900° F.
- Aluminized steel emitter tubes are calorized for long life, corrosion resistance, and high radiant efficiency and will not flake or peel.
- The calorization process produces an emitter tube which is highly radiant absorptive on the interior and highly radiant emissive on the exterior.
- One-piece cast iron burner with stainless steel flame retainer.
- Inside or outside air for combustion.
- Highly efficient aluminum reflectors designed for uniform floor level radiant energy distribution.
- Reflector ends are enclosed for maximum radiant heat output and minimum convection loss.
- Suitable for horizontal or angle mount up to 90°.

Model No.	Gas Type	BTU Rating	24 Volt	Electric Spark	Shipping Weight	Height at 45° Angle (Ft.)	Height at Horizontal (Ft.)
RSTP17CN5	Natural	175,000	Indoor	120V	256	14 to 40	16 to 60

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62348	03721000 EXHAUSTER MOTOR	
1	EA	62347	03723000 BLOWER WHEEL	
1	EA	62350	43143010 S-R EXHAUSTER ASSY	
1	EA	62349	43143021 (43143000) S-R EXHAUSTER ASSY	
12	EA	71540	Q347A 1004 SPARK IGNITER	
1	EA	62298	RSTP17C-N5 175M NAT GAS FIRED TUBE HEATER	
1	EA	72715	S87C 1014-B DSI CONTROL MODULE	

Natural Gas Infrared Heaters



- Highly radiant efficient ceramic heaters.
- Suitable for horizontal or angle mount up to 45°.
- 120V direct spark igntion.
- Equipped with 100% gas shut-off safety control.
- Corrosion resistant aluminized steel body construction.
- Durable cast iron burner for precision-crafted performance and proper combustion.
- 1/2" NPT female gas pipe connection.
- All models supplied with appliance pressure regulator for inlet pressures up to 1/2 PSI.
- AGA Certified.

BTUs	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
52,000	1	EA	62328	RSCA6-N5 S-R NAT HEATER		
104,000	1	EA	62329	RSCA10-N5 S-R NAT HEATER		

Floor Model Infrared Gas Heaters


RFPA10B



Infrared heaters warm people and machinery directly, as the sun does, instead of blowing warm air which rises to the ceiling making the floor level the most difficult to heat. Space-Ray's heavy gauge stainless steel heat exchanger maximizes radiant energy transfer and the high operating temperature means greater radiant efficiency. The heavy duty construction and quality components offer years of reliable service.

Natural gas model RFPA10B supplied with appliance regulator for inlet pressures up to 1/2 PSI, RFPA21 for inlet pressures up to 1/2 PSI inlet. RFPA25 has 1/2" IPS connectors, and 100% safety shut-off control, but no pressure regulator. Operating pressure 5 PSIG. All controls are tested before shipment and all gas inlet connections are 1/2".

Required Minimum Clearances to Combustibles:

- Model RFPA10B: From Side: 60"; From Top: 72"
- Models RFPA21A and RFPA25: From Side: 144"; From Top: 168"

Low Pressure Gas Models

BTUs	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
100,000	1	EA	62300	RFPA10B-N6C S-R NAT HEATER		
212,000	1	EA	62303	RFPA21A-N6A S-R NAT HEATER		

5 PSI High Pressure Models

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
1	EA	62306	RFPA25-N6A S-R NAT HEATER		

Accessories for Floor Models

Additional Product Information	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
For Use With RFPA25	1	EA	62308	41337000 BARRIER GUARD RING KIT	
1/2 Ind with Fitting and Manual Cutoff Valve	1	EA	62309	42035010 15 FT HOSE W/CUTOFF VALVE	

Parts for RFPA10B

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62346	03345010 PILOT ORIFICE NAT	
1	EA	62344	03399020 PILOT BRNR & ORIFICE	
1	EA	62334	04362020 HEAT EXCHANGER ASSY	
1	EA	62340	41795020 PILOT SHIELD-OUTER	

Parts for RFPA21A

Space Ray Number	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
—	1	EA	62336	04485000 HEAT EXCHANGER ASSY	
—	1	EA	62339	41795010 PILOT SHIELD-INNER	
—	1	EA	62338	42920010 PILOT BRNR & ORIFICE W/INNER SHIELD	
03401030	10	EA	75059	K16BT-18H THERMOCOUPLE	

Parts for RFPA25

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62342	03166000 GAS VALVE	
1	EA	62337	04593030 METAL GUARD	
1	EA	62343	30522030 (30524030) PILOT REGULATOR F/RFPA25A	
1	EA	62345	30522040 PILOT REGULATOR KIT F/RFPA25	

STS-JZ Series PremierSchwank Radiant Tube Heaters



The STS-JZ couples a patented ceramic burner head with a durable direct-drive blower located in line behind the burner. This system ensures a homogeneous gas-air mixture for optimum combustion efficiency and a long narrow flame—ideal tube firing and delivering more uniform heat down the length of the tube.

Features

- 24V or line voltage thermostat ready
- Status indicator lights
- Power cord with plug
- Birdscreened combustion air collar-4"
- Swing-down cabinet service access
- Whisper quiet ceramic burner
- Focus Shield reflector and end caps for premier IR heat ouput
- Emissive coated radiant tubes
- Min. Lin Pressure: 5.0 in. W.C.
- Max. Line Pressure: 14.0 in. W.C.
- Manifold Pressure: 3.5 in. W.C. (tap at gas valve outlet)

Included

- **Burner Kit:** S/S flexible gas connector, electrical cord, status indicator lights, factory mounted igniter, factory installed 24/120V relay switch, drop-down service access, birdscreened air intake with collar on blower
- **Tube Kit:** Primary tube(s), secondary tube(s) with emissive coating, focus shield reflectors, two end plate hangers, webbed hangers for tubes and reflectors, tube coupler(s), and turbulator(s)

Specifications

Model	Capacity	Available Length (Ft.)						
		10	20	30	40	50	60	70
STS-JZ 45	45,000	X	X					
STS-JZ 60	60,000		X	X				
STS-JZ 80	80,000		X	X	X			
STS-JZ 100	100,000		X					
STS-JZ 110	110,000			X	X	X		
STS-JZ 130	130,000			X	X	X		
STS-JZ 155	155,000				X	X	X	
STS-JZ 175	175,000					X	X	X
STS-JZ 200	200,000					X	X	X
Heater Length		11' 8"	21' 4"	31'	40' 8"	50' 4"	60'	69' 8"
Shipping Weight (Lbs.)		150	200	240	315	360	430	

Clearances to Combustibles

Model	Suspended at an Angle Up to 45° (In.)				Suspended Horizontally (In.)		
	Top	Rear	Front	Below	Top	Sides	Below
STS-JZ 45	2.75	1	24	32	2.25	7	32
STS-JZ 60	2.5	1	17	34	1.5	5.5	34
STS-JZ 80	3	1	23	38	1.75	6	36
STS-JZ 100	6.5	1	57	68	6	22	68
STS-JZ 110	3.5	1	26	54	2	10	54
STS-JZ 130	4.5	1	35	56	3.3	11	60
STS-JZ 155	5.5	1	44	64	3.5	19	64
STS-JZ 175	5.5	1	47	68	4.5	20	68
STS-JZ 200	6.5	1	57	68	6	22	68

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Burner and Tube Kit Assembly Chart*

Model	Burner Kit	Total Tube Length (Ft.)	Tube Kit Part No. and Quantity Required									
			Stand-Alone Kits					Primary Kits		Secondary Kits		
			10	20	20	30	40	30	30	20	30	40
			TS-4510-JZ	TS-1020-JZ	TS-1420-JZ	TS-1430-JZ	TS-1040-JZ	TS-F030-JZ	TS-1030-JZ	TS-0020-JZ	TS-0030-JZ	TS-0040-JZ
STS-JZ 45	JS-S045-AN	10	1									
		20			1							
STS-JZ 60	JS-S060-AN	20			1							
		30				1						
STS-JZ 80	JS-S080-AN	20			1							
		30				1						
		40					1					
STS-JZ 100	JS-S100-AN	20		1								
STS-JZ 110	JS-S110-AN	30				1						
		40					1					
		50						1+		1		
STS-JZ 130	JS-S130-AN	30				1						
		40					1					
		50						1+		1		
STS-JZ 155	JS-S155-AN	40					1					
		50						1+		1		
		60						1+			1	
STS-JZ 175	JS-S175-AN	50							1+	1		
		60							1+		1	
		70							1+			1
STS-JZ 200	JS-S200-AN	50							1+	1		
		60							1+		1	
		70							1+			1

* For each premierSchwank heater order 1 burner kit plus either 1 stand-alone tube kit or 1 primary tube kit plus 1 secondary tube kit.

Burner Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88502	JS-S045-AN 45,000 PREMIERSCHWANK BURNER KIT	
1	EA	88503	JS-S060-AN 60,000 PREMIERSCHWANK BURNER KIT	
1	EA	88504	JS-S080-AN 80,000 PREMIERSCHWANK BURNER KIT	
1	EA	88505	JS-S100-AN 100,000 PREMIERSCHWANK BURNER KIT	
1	EA	88506	JS-S110-AN 110,000 PREMIERSCHWANK BURNER KIT	
1	EA	88507	JS-S130-AN 130,000 PREMIERSCHWANK BURNER KIT	
1	EA	88508	JS-S155-AN 155,000 PREMIERSCHWANK BURNER KIT	
1	EA	88509	JS-S175-AN 175,000 PREMIERSCHWANK BURNER KIT	
1	EA	88510	JS-S200-AN 200,000 PREMIERSCHWANK BURNER KIT	

Tube Kits, Stand-Alone

1	EA	88511	TS-4510-JZ 10 FT STAND-ALONE TUBE KIT PREMIERSCHWANK	
1	EA	88512	TS-1420-JZ 20 FT STAND-ALONE TUBE KIT PREMIERSCHWANK	
1	EA	88513	TS-1020-JZ 20 FT STAND-ALONE F/ 100 ONLY TUBE KIT PREMIERSC	
1	EA	88514	TS-1430-JZ 30 FT STAND-ALONE TUBE KIT PREMIERSCHWANK	
1	EA	88515	TS-1040-JZ 40 FT STAND-ALONE TUBE KIT PREMIERSCHWANK	

Tube Kits, Primary

1	EA	88516	TS-F030-JZ 30 FT PRIMARY TUBE KIT PREMIERSCHWANK	
1	EA	88517	TS-1030-JZ 30 FT PRIMARY F/ 175/200 TUBE KIT PREMIERSCHWANK	

Tube Kits, Secondary

1	EA	88519	TS-0020-JZ 20 FT SECONDARY TUBE KIT PREMIERSCHWANK	
1	EA	88520	TS-0030-JZ 30 FT SECONDARY TUBE KIT PREMIERSCHWANK	
1	EA	88521	TS-0040-JZ 40 FT SECONDARY TUBE KIT PREMIERSCHWANK	

LP Kits

1	EA	88535	JS-0556-XC 45,000 LP KIT FOR PREMIERSCHWANK	
1	EA	88536	JS-0557-XX 60,000 LP KIT FOR PREMIERSCHWANK	
1	EA	88537	JS-0559-XX 80,000 LP KIT FOR PREMIERSCHWANK	
1	EA	88538	JS-0561-XX 110,000 LP KIT FOR PREMIERSCHWANK	
1	EA	88539	JS-0563-XX 130,000 LP KIT FOR PREMIERSCHWANK	
1	EA	88540	JS-0565-XX 155,000 LP KIT FOR PREMIERSCHWANK	
1	EA	88541	JS-0567-AA 175,000 LP KIT FOR PREMIERSCHWANK	
1	EA	88542	JS-0567-CC 200,000 LP KIT FOR PREMIERSCHWANK	

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Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88527	JA-0514-XX 4X4X6 VENT TEE	
1	EA	88525	JA-0528-XX 4 INCH WALL VENT TERMINAL	
1	EA	88543	JA-0530-XX 4 INCH ROOF VENT TERMINAL	
1	EA	88528	JL-0798-JC #8 HANGING CHAIN (50 FT)	
1	EA	88544	JL-0798-SH 25 PACK S HOOKS FOR PREMIERSCHWANK	
1	EA	88523	JM-0150-XX 24V TRUTEMP RADIANT THERMOSTAT	
1	EA	88524	JM-0303-KT 24V TRANSFORMER RELAY	
1	EA	88526	JS-0508-JZ ST-JZ 90 DEGREE ELBOW & REFLECTOR KIT	
1	EA	88522	JS-0532-VC FRESH AIR INTAKE COMBUSTION AIR CAP	

Schwank
INNOVATIVE HEATING SOLUTIONS

P40-R Gas-Fired Vented Room Heater

For Residential, Garage, and Shop Applications



- Compact unit overall length 10'
- 4" aluminized tube - single bend tube
- Complete with 110V plug on burner
- Indicator lights
- Completely assembled, lift and hang right out of the box
- 80%+ efficiency
- 3 year warranty
- Includes: 24V thermostat, thermostat wire, hanging chain and hooks, and gas flex connector.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88545	P40-R 40,000 BTU COMPACT GARAGE/SHOP HEATER	

ecoSchwank Infra-Red, Radiant Luminous Heaters

Price and Performance in One Package



When you need a gas-fired infrared heater that delivers both efficiency and economy, there is only one choice: the ecoSchwank. It delivers safe, reliable, comfortable heat in industrial plants, warehouses, transportation terminals, loading docks, aircraft hangars, automotive service shops, sports arenas, and many other hard-to-heat areas.

The patented design of the Effect Tile makes ecoSchwank economical and efficient. The Effect Tile is a perforated ceramic tile with an increased heat-emitting surface. The operating temperature is 1650° F which optimizes the infra-red energy delivered to the working level. All tiles are ground to size for full interchangeability and result in gasket-free joints between the tiles which simplifies maintenance if required.

- Aluminized steel burner housing and stainless steel tile retainers
- Balanced suspension points
- Direct spark ignition
- Each burner panel has dedicated ignition and flame sensing system
- Full operating temperature, and safe cool down, in 60 seconds
- Electrical: 24 VAC 0.55 Amp/20 VA per Heater
- Gas Inlet Pipe Size: 0.5"
- Nat. Gas Line Min.: 6 in. W.C.
- Nat. Gas Line Max.: 14 in. W.C.
- Nat. Gas Manifold: 5 in. W.C.

Minimum Distance to Combustibles

Model No.	10	13	18	26
Horizontal Mount				
Top of Heater	24"	24"	30"	36"
Sides of Heater	27"	27"	33"	33"
End of Heater	24"	24"	30"	30"
Bottom of Heater	60"	78"	84"	84"
Angle Mount (Max. Angle 30°)				
Top of Heater	24"	24"	30"	36"
Front of Heater	60"	78"	84"	84"
Rear of Heater	24"	24"	30"	30"
End of Heater	24"	24"	30"	30"
Bottom of Heater	60"	78"	84"	84"

Suggested Mounting Distance for Comfort

Model No	10	13	18	26
Horizontal Mount				
Distance to Floor	16'	20'	24'	28'
Max. Heater Spacing	22'	28'	34'	39'
Max. Distance Between Heater Rows	30'	40'	50'	70'
Angle (Max. Angle 30°)				
Distance to Floor	13'	17'	20'	22'
Max. Heater Spacing	22'	28'	34'	39'
Max. Distance Between Heater Rows	30'	40'	50'	70'

Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88529	ECOSCHWANK 10 35,000 BTU HIGH INTENSITY HEATER	
1	EA	88530	ECOSCHWANK 13 50,000 BTU HIGH INTENSITY HEATER	
1	EA	88531	ECOSCHWANK 18 71,500 BTU HIGH INTENSITY HEATER	
1	EA	88532	ECOSCHWANK 26 100,000 BTU HIGH INTENSITY HEATER	

Accessories

1	EA	88533	JL-0776-XX 40 VA TRANSFORMER FOR LUMINOUS	
1	EA	88534	JM-0300-XX RELAY FOR LUMINOUS	

Solaronics K-Series Gas Infrared Heater



- Operates on natural gas.
- Corrosion-free aluminized steel main frame.
- No direct venting required.
- Factory prewired, prepiped and tested.
- Instant heat on demand, reaches maximum operating temperature in less than one minute.
- Fuel savings of 40% to 75% over conventional warm air systems.
- Limited one-year warranty.

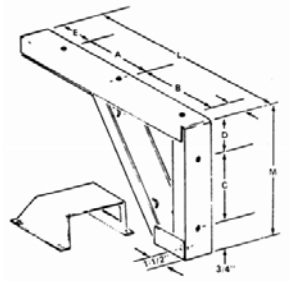
Model No.		**K-60**
Capacity	BTUH	60,000
Mounting Height with Standard Reflector Angled 30°	Ft.	13–15
Minimum Distance to Combustibles		
Top of Heater		
Mounted 0–29°	In.	60
Mounted 30° Only	In.	48
With Heat Shield 0–30°	In.	34
Sides of Heater	In.	30
Back of Heater	In.	30
Bottom of Heater		
Standard Reflector	In.	80
Parabolic Reflector	In.	110
Overall Dimensions*		
Length	In.	16-3/4
Width (with controls)	In.	28-5/8
Depth	In.	8-3/4
Radiating Surfaces	Sq. Ft.	173
Shipping Weight	Lbs.	30

* Width or length of K-60 can be parallel to floor.

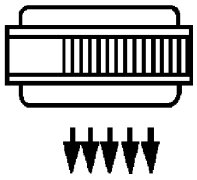
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88606	K60-TAN 60,000 BTUH NAT INFRA-RED HEATER	

MUH Series Unit Heaters
Horizontal/Downflow





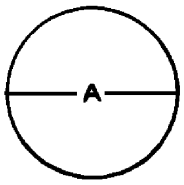
MMB Bracket



Air Flow Pattern

Bracket Size

Dimension	3-5 Kw	7.5-20 Kw
A	4-7/16"	7-1/4"
B	6-3/4"	9-1/2"
C	6-3/4"	7-1/4"
D	1-1/16"	1-15/16"
E	2"	2-1/4"
L	14-15/16"	20-1/2"
M	6-13/16"	9-15/16"



Air Flow Area

- For factories, warehouses, garages, stores, shipping rooms, etc. Can be used for primary, supplemental, spot or dual-system heating.
- Advanced pull-through air flow design draws air across heating element for more even air distribution and cooler element operation.
- Specially designed venturi outlet provides the added throw required when the unit is in the vertical position.
- Fan delay feature eliminates cold drafts. Element heats up before fan cuts in, then fan continues to distribute heat after element shuts off. Individually adjustable discharge louvers to control air flow.
- 24V control transformers are standard on most models, providing a safer and more accurate means of temperature control.
- 3 Kw and 5 Kw, 208-227V, have line voltage controls as standard. (24V control available on made-to-order basis.)
- Meets all UL, NEC, and OSHA requirements. UL File No. E21609.

Model No.	Volts	Phase	kW	BTU/Hr.	Amps	Dimensions (In.) H x W x D	Max. Mounting Ht. (Ft.) Horizontal	Max. Mounting Ht. (Ft.) Vertical	Air Flow Area** "A" (In)
MUH-05-21*	208/240	1-3	3.7/5.0	12.6/17.0	18.0/21.0	16 x 14 x 7-1/2	8	9	18
MUH-05-41	480	3	5.0	17.0	6.0	16 x 14 x 7-1/2	8	9	18
MUH-07-2	208/240	1-3	5.6/7.5	19.1/25.6	27.0/31.3	21-3/4 x 19 x 7-1/2	9	14	26
MUH-07-4	480	3	7.5	25.6	9.0	21-3/4 x 19 x 7-1/2	9	14	26
MUH-10-2	208/240	1-3	7.5/10.0	25.6/34.1	36.0/42.0	21-3/4 x 19 x 7-1/2	9	14	26
MUH-10-4	480	3	10.0	34.1	12.0	21-3/4 x 19 x 7-1/2	9	14	26
MUH-15-2	208/240	3	11.2/15.0	38.2/51.2	31.3/36.1	21-3/4 x 19 x 12-3/4	11	20	35
MUH-15-4	480	3	15.0	51.2	18.0	21-3/4 x 19 x 12-3/4	11	20	35

*Must use 2-stage thermostat on 3-phase operation.

**See Air Flow Area diagram above

MUH Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63793	MUH-05-21 3.7/5KW 208/240 VOLT HEATER	
1	EA	63795	MUH-05-41 5KW 480V HEATER	
1	EA	63797	MUH-07-2 5.6/7.5KW 208/240VOLT HEATER	
1	EA	63799	MUH-07-4 7.5KW 480VOLT HEATER	
1	EA	63801	MUH-10-2 7.5/10KW 208/240VOLT HEATER	
1	EA	63803	MUH-10-4 10KW 480VOLT HEATER	
1	EA	63805	MUH-15-2 11.2/15KW 208/240VOLT 3PH HEATER	
1	EA	63806	MUH-15-4 15KW 480VOLT HEATER	

MMB Unit Heater Accessories

1	EA	63821	MMB-10 WALL CEILING MOUNTING BRACKET FOR MUH03KW TO 10KW	
1	EA	63822	MMB-20 WALL/CEILING MOUNTING BRACKET FOR MUH15KW TO 20KW	
1	EA	63825	UHMT1 SINGLE POLE SINGLE THROW THERMOSTAT	
1	EA	63826	UHMT2 2-STAGE THERMOSTAT	

Replacement Parts

Fits the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
MUH 5 KW 480/3	1	EA	63723	3900-2005-000 3900-0347-002 MOTOR	
MUH 7.5 & 10 KW 480/3	1	EA	63725	3900-0347-005 MOTOR	
MUH-07-10-15-20	1	EA	63731	4520-0011-001 HIGH LIMIT	

MWUH Series Unit Heaters
Horizontal/Downflow



- For use as an auxiliary, supplementary, or primary heat source in factories, stores, garages, basements, warehouses, public buildings, toll booths, etc.
- Heater comes equipped with ceiling mounting bracket for horizontal or vertical flow mounting or any position in between.
- Built-in single pole thermostat adjusts from 45° to 135° F
- Automatic control delays fan action until heating element is warm which increases component life and comfort level.
- A high-level cutout automatically shuts off current in event of overheating and reactivates the heater when temperature returns to normal.

Model No.	Volts	Watts	Amps	Dimensions (In.) H x W x D	Ship Weight (Lbs)
MWUH5004	240	5000/4165	20.8/17.4	12-1/2 x 14 x 11-1/4	25
MWUH5004	240	3332/2500	13.9/10.4	12-1/2 x 14 x 11-1/4	25
MWUH5004	208	3750/3123	18.0/15.0	12-1/2 x 14 x 11-1/4	25
MWUH5004	208	2500/1875	12.0/9.0	12-1/2 x 14 x 11-1/4	25

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83871	MWUH5004 208/240V 1PH HORIZ/DOWNFLOW UNIT HEATER	

2000 Series Baseboard



For use in residential construction such as single family homes, apartments, modular or mobile homes as well as commercial, industrial, and institutional construction as primary, secondary, or supplemental heat for new construction or remodel applications.

- Easily installed without disassembly.
- Lead wires allow quick field connection to either end of heater.
- Continuous capillary tube safety thermal cutout protection in case of airflow blockage.
- Chimney fin element designed for maximum air circulation.
- All baseboards are white.
- U.L. Listed.

Baseboard

Watts	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
400	1	EA	63644	25126W 2FT 6IN 120VOLT BASEBOARD	
500/376	1	EA	63645	25426W 2FT 6IN 240/208VOLT BASEBOARD	
750	1	EA	63646	2513W 3FT 120VOLT BASEBOARD	
750/564	1	EA	63647	2543W 3FT 240/208VOLT BASEBOARD	
1000	1	EA	63648	2514W 4FT 120VOLT BASEBOARD	
1000/752	1	EA	63649	2544W 4FT 240/208VOLT BASEBOARD	
1250	1	EA	63650	2515W 5FT 120VOLT BASEBOARD	
1250/940	1	EA	63651	2545W 5FT 240/208VOLT BASEBOARD	
1500	1	EA	63652	2516W 6FT 120VOLT BASEBOARD	
1500/1128	1	EA	63653	2546W 6FT 240/208VOLT BASEBOARD	
2000/1504	1	EA	63654	2548W 8FT 240/208VOLT BASEBOARD	
2500/1800	1	EA	63675	25408W 8FT 240/208VOLT BASEBOARD	

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63656	TA1AW 120-277VOLT SP T-STAT	
1	EA	63657	TA2AW 120-277VOLT DP T-STAT	
1	EA	63658	TA2TPAW 120-277VOLT DOUBLE PULL DP T-STAT (TAMPER RESISTANT)	
1	EA	63659	ICAW INSIDE CORNER	
25	EA	64979	M602W 2 POLE WHITE WALL STAT	

QMARK® 13.5 KW Portable Heater



This 13,500 watt, 3 phase heater delivers about 45,000 BTUs of sunlike radiant heat. Heat coverage is within a 45° arc up to 20 feet away (indoors). Unit can be operated safely indoors or out, and can be hosed off to clean after being disconnected. It operates standing upright, on its back, side, face, or upside down. Safety screen is included; the cord is not.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62205	BRM 13543 480VOLT PORTABLE INFRARED HEATER	
1	EA	62206	BRM 135 13.5 KW CART KIT	
1	EA	62207	BRMWG 135 13.5 KW SAFETY GRILLE KIT	

QMARK® 6 KW Portable Heater



This 6,000 watt, 3 phase heater delivers about 20,000 BTUs of sunlike radiant heat. Heat coverage is within a 45° arc up to 12 feet away (indoors). Unit is weatherproof and can be operated safely indoors or out, and hosed off to be cleaned after being disconnected. Can also be converted to single phase. Safety screen is included; cord is not.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62208	BRM 6023 240VOLT PORTABLE INFRARED HEATER	
1	EA	62209	BRM 6043 480VOLT PORTABLE INFRARED HEATER	
1	EA	62210	BRM 60 6 KW CART KIT	
1	EA	62211	BRMWG 60 6 KW SAFETY GRILLE KIT	

QMARK® 4.5 KW Portable Heater



A 4,500 watt, 1 phase heater. Designed for heavy-duty spot heating or total heating applications. Mounting brackets are included with each heater. Heater can be washed down after being disconnected.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62212	BRM 4521 240VOLT PORTABLE INFRARED HEATER	
1	EA	62213	BRM 45 4.5 KW CART KIT	
1	EA	62214	BRMWG 45 4.5 KW SAFETY GRILLE KIT	

AWH Series Architectural Wall Heater

Heavy-Duty



- For use in commercial and industrial areas requiring high capacity and quick heat recovery
- Fan-forces metal sheath with integral tamper-resistant thermostat and disconnect switch
- Built-in fan delay switch energizes fan motor only after elements are heated to prevent discharge of unheated air
- When heat shuts off, the fan motor stops only after residual heat has been dissipated.
- Single-phase, 60 Hz.
- Volts: 240/208
- Watts: 4000/3000
- Amps: 14.4/7.2
- Ship Wt.: 25 Lbs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63831	AWH4404F 3000/4000WATT WALL HEATER	
1	EA	63739	4101-68-002 THERMOSTAT	
1	EA	63848	AWHSM SURFACE MTG FRAME	

CWH3000 Series Wall Heaters

Commercial, Fan-Forced



- For use in attics, basements, entryways, large rooms, offices, and remodels.
- Motor has permanently lubricated bearings.
- Element has automatic reset, primary thermal protector with "one-shot" back-up protection.
- 65 cfm downflow air pattern.
- 18 ga. louvered steel grille
- Wires with standard building wire (60° C).
- Built-in snap action thermostat.
- Volts: 208/240 (1 phase, 60 Hz.)
- Watts: 3000/4000
- Amps: 14.5/16.7
- BTU/Hr.: 10,240/13,650
- UL listed

Mounting Limitations. Do not install heater closer than 8" from floor or adjacent wall surface; behind towel rack or door, upside down or side up, in floor, ceiling, or closet.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63832	CWH3404F 3000/4000 WATT WALL HEATER	
1	EA	63858	CWH3SM SURFACE MOUNTING SLEEVE	

Residential Wall Heaters

Fan-Forced, Zonal



Use single heaters in smaller rooms such as bedrooms and bathrooms. Use multiple heaters (controlled by a single thermostats) in larger rooms such as living rooms and family rooms. Wattage levels should be determined by heat loss calculations.

- Thermal cutout with indicator light and one time thermal fuse offer dual protection.

Mounting Limitations

Do not install back box closer than 4.5 inches from floor, adjacent walls, and 12 inches from ceiling. Do not install heater in closet, or where airflow may be obstructed. To insure proper operation, maintain 5-feet minimum clearance to furniture or other objects placed directly in front of the heater.

Amps	Volts	Watts	BTU/HR	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12.5	120	1500	5118	1	EA	63833	CZ1512T 1500W 120VOLT HEATER	
8.3/7.2	240/208	2000/1500	6824/5118	1	EA	63834	CRA2024T2 2000W 240VOLT HEATER	
8.3/7.2	240/208	2000/1500	6820/5115	1	EA	65150	CZ2048T 2000W 240VOLT HEATER	

MUH35 Powerhouse Heater



- Mounts either on wall or from ceiling
- For use in factories, garages, schooles, etc
- Multiple heat selector wattage
- Built-in, bi-metal thermosat with a range of 40° to 90 ° F
- UL Listed

Volts	kW	BTU/Hr	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
240	3.71/5.0	13,650/17,000	1	EA	63835	MUH35 5KW 240VOLT POWER HOUSE HTR	

MMHD Fan Forced Utility Heater

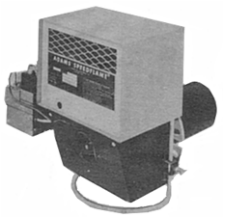


- 2 heat settings
- Automatic thermostat
- Fan-only setting
- Tip-over safety switch
- Internal heat limiting thermostat
- Thermal cut-off safety device
- Audible safety alert
- Grounded cord and plug
- One year warranty
- UL Listed

Volts	Watts	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
120	1300/1500	1	EA	63843	MMHD1502T/PT-771 PORTABLE HEATER	

ADAMS MANUFACTURING COMPANY

HP400B Power Gas Conversion Burner



- Shipped with pedestal mount
- Push button spark pilot light system
- 3/4" gas connection
- Slide out gas valve and manifold assembly
- Relay transformer for low voltage operation
- 8" tube length standard shipped with 5" extension for long requirements
- AGA Approved

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
	1	EA	61803	HP400B 8" NAT BURNER W/SLEEVE	

Group 9 HVAC System Accessories

Group 9 HVAC System Accessories

Zoning ..... 9 - 1
Humidifiers ..... 9 - 7
EAC and Media Air Cleaners ..... 9 - 18
HEPA Filtration ..... 9 - 30
UV Air Purification ..... 9 - 31
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ecovent ZoningSystem


Hub


Sensor


Vents

Features

Ecovent is a whole home, intelligent zoning system that delivers room-by-room temperature control. The system is made up of self-configuring room sensors, vents and a Smart Hub. The sensors plug into a standard wall outlet, detect the climate of the room and send the information to the Smart Hub. The Smart Hub then opens and closes vents in the home and communicates with the Wi-Fi thermostat to achieve the desired temperature. This system works in any home with a forced air system and internet access and is controlled by an app on a smart phone.

Homeowner Benefits

Room-by-room temperature control means certain rooms will no longer be too hot or too cold plus free software updates for life provide all the latest features.

Easy to Install

- Battery powered registers install with a screwdriver.
- Smart Hub plugs into power source and Wi-Fi router.
- Room sensors plug into existing electrical outlets.

No Wiring and No Dampers

- Now wiring or electrical work needed.
- No cutting into ducts or sheet metal.
- Any HVAC tech can install Ecovent.

No Configuration Needed

- Registers and room sensors self configure upon installation.
- Use the smart device app and the home's Wi-Fi to connect to the thermostat.
- The app links the Smart Hub to the registers and room sensors.

Hub

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	76136	EHUB ECOVENT HUB	

Sensor

10	EA	76135	ESENS ECOVENT SENSOR	

Ceiling Vents

10	EA	76123	EV410C 4X10 CEILING VENT	
10	EA	76124	EV412C 4X12 CEILING VENT	
10	EA	76125	EV610C 6X10 CEILING VENT	
10	EA	76126	EV612C 6X12 CEILING VENT	

Wall Vents

10	EA	76127	EV410W 4X10 WALL VENT	
10	EA	76128	EV412W 4X12 WALL VENT	
10	EA	76129	EV610W 6X10 WALL VENT	
10	EA	76130	EV612W 6X12 WALL VENT	

Floor Vents

10	EA	76131	EV410F 4X10 FLOOR VENT	
10	EA	76132	EV412F 4X12 FLOOR VENT	
10	EA	76133	EV610F 6X10 FLOOR VENT	
10	EA	76134	EV612F 6X12 FLOOR VENT	

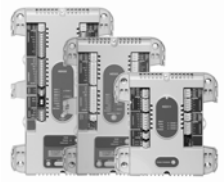
Honeywell TAZ-4 TotalZone® Zone Control Panel

This zoning panel is used to add zones to the TZ-4 zone control panel.

- Each TAZ-4 panel adds control of up to 4 additional zones to the TZ-4 TotalZone Zone Control System.
- Reduces communication interference.
- Daisy chain TAZ-4 panels together to control up to 32 zones.
- Zone LEDs indicate damper position.
- Thermal circuit breaker protects panel.
- C7735A1000 Discharge Air Temperature Sensor mounts in the supply air duct to sense the delivered air temperature and cut off the heating or cooling when the delivered air temperature goes above or below normal operating limits.
- AT140D1046 Plate-Mounted Transformer 40VA provides low voltage power source for any Trol-A-Temp control panel or damper. Powers up to five ZD, or ARD damper motors from one 40 VA transformer.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	70299	C7089B 1000 OUTDOOR SENSOR	
1	EA	78566	TAZ-4/U TOTALZONE ADD-A-ZONE	
1	EA	78643	C7735A1000/U DISCHARGE AIR SENSOR	
1	EA	78659	AT140A 1042 24V, 40 VA TRANSFORMER PLATE MOUNTED	

Honeywell HZ TrueZone™ Panels



- Intuitive installer setup
- Robust push terminals
- Common-sense LEDs
- Universal application
- Smaller footprint
- Variable-speed fan control
- Discharge temperature staging
- Advanced dual-fuel operation

HZ432: 4 zone, 3H/2C panel used for conventional, heat pump or dual fuel systems; expand up to 32 zones with TAZ-4.
HZ432K: Includes (1) HZ432 panel, (1) transformer and (1) C7735A discharge air temperature sensor.
HZ322: 3 zone, 2H/2C panel used for conventional or heat pump equipment.
HZ322K: Includes (1) HZ332 panel, (1) transformer and (1) C7735A discharge air temperature sensor.
HZ311: 3 zone, 1H/1C panel used for conventional equipment.
HZ311K: Includes (1) HZ311 panel, (1) transformer and (1) C7735A discharge air temperature sensor.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78481	HZ432/U TRUEZONE PANEL	
1	EA	78482	HZ432K TRUEZONE SYSTEM KIT	
1	EA	78485	HZ322/U TRUEZONE PANEL	
1	EA	78486	HZ322K/U TRUEZONE SYSTEM KIT	
1	EA	78489	HZ311/U TRUEZONE PANEL	
1	EA	78490	HZ311K/U TRUEZONE SYSTEM KIT	

Honeywell ZD TrueZONE Dampers



The ZD is a power close and spring open damper. It has a 24-volt motor used to control circuating air in HVAC systems and used when a normally-open damper is required. The ZD is typically used withthe TrueZone and other electronic zoning systems.

Ordering Instructions

Dimension 1 x dimension 2. Motor is always mounted on dimension 2 side.

Features

- Mechanical visual position indicator for damper status
- Parallel blade design for low leakage performance.
- Simple, easy-to-wire, two-wire installation.
- Solid construction using extruded aluminum frame and blades.
- Damper can be installed in any orientation (mounting side on either bottom or side of the duct).
- Fail-safe, normally open operation.

Side Mount Dampers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78449	ZD8X8TZ/U SIDE MOUNT DAMPER	
1	EA	78365	ZD10X8TZ/U SIDE MOUNT DAMPER	
1	EA	78355	ZD10X10TZ/U SIDE MOUNT DAMPER	
1	EA	78375	ZD12X8TZ/U SIDE MOUNT DAMPER	
1	EA	78366	ZD12X10TZ/U SIDE MOUNT DAMPER	
1	EA	78367	ZD12X12TZ/U SIDE MOUNT DAMPER	
1	EA	78386	ZD14X8TZ/U SIDE MOUNT DAMPER	
1	EA	78376	ZD14X10TZ/U SIDE MOUNT DAMPER	
1	EA	78378	ZD14X14TZ/U SIDE MOUNT DAMPER	
1	EA	78398	ZD16X8TZ/U SIDE MOUNT DAMPER	
1	EA	78387	ZD16X10TZ/U SIDE MOUNT DAMPER	
1	EA	78388	ZD16X12TZ/U SIDE MOUNT DAMPER	
1	EA	78389	ZD16X14TZ/U SIDE MOUNT DAMPER	
1	EA	78409	ZD18X8TZ/U SIDE MOUNT DAMPER	
1	EA	78399	ZD18X10TZ/U SIDE MOUNT DAMPER	
1	EA	78401	ZD18X12TZ/U SIDE MOUNT DAMPER	
1	EA	78419	ZD20X8TZ/U SIDE MOUNT DAMPER	
1	EA	78410	ZD20X10TZ/U SIDE MOUNT DAMPER	
1	EA	78411	ZD20X12TZ/U SIDE MOUNT DAMPER	
1	EA	78413	ZD20X16TZ/U SIDE MOUNT DAMPER	
1	EA	78429	ZD22X8TZ/U SIDE MOUNT DAMPER	
1	EA	78421	ZD22X12TZ/U SIDE MOUNT DAMPER	
1	EA	78438	ZD24X8TZ/U SIDE MOUNT DAMPER	
1	EA	78430	ZD24X10TZ/U SIDE MOUNT DAMPER	
1	EA	78431	ZD24X12TZ/U SIDE MOUNT DAMPER	

Bottom Mount Dampers

1	EA	78440	ZD8X10TZ/U BOTTOM MOUNT DAMPER	
1	EA	78441	ZD8X12TZ/U BOTTOM MOUNT DAMPER	
1	EA	78442	ZD8X14TZ/U BOTTOM MOUNT DAMPER	
1	EA	78443	ZD8X16TZ/U BOTTOM MOUNT DAMPER	
1	EA	78444	ZD8X18TZ/U BOTTOM MOUNT DAMPER	
1	EA	78445	ZD8X20TZ/U BOTTOM MOUNT DAMPER	
1	EA	78446	ZD8X22TZ/U BOTTOM MOUNT DAMPER	
1	EA	78447	ZD8X24TZ/U BOTTOM MOUNT DAMPER	
1	EA	78356	ZD10X12TZ/U BOTTOM MOUNT DAMPER	
1	EA	78357	ZD10X14TZ/U BOTTOM MOUNT DAMPER	
1	EA	78358	ZD10X16TZ/U BOTTOM MOUNT DAMPER	
1	EA	78359	ZD10X18TZ/U BOTTOM MOUNT DAMPER	
1	EA	78360	ZD10X20TZ/U BOTTOM MOUNT DAMPER	
1	EA	78361	ZD10X22TZ/U BOTTOM MOUNT DAMPER	
1	EA	78362	ZD10X24TZ/U BOTTOM MOUNT DAMPER	
1	EA	78368	ZD12X14TZ/U BOTTOM MOUNT DAMPER	
1	EA	78369	ZD12X16TZ/U BOTTOM MOUNT DAMPER	
1	EA	78370	ZD12X18TZ/U BOTTOM MOUNT DAMPER	
1	EA	78371	ZD12X20TZ/U BOTTOM MOUNT DAMPER	
1	EA	78380	ZD14X18TZ/U BOTTOM MOUNT DAMPER	
1	EA	78381	ZD14X20TZ/U BOTTOM MOUNT DAMPER	

Honeywell ARD TrueZONE Automatic Round Dampers



The ARDTZ is a single blade damper constructed of 24-gauge galvanized steel. The single blade design includes a gasketed seal for tight shut-off and minimal leakage while controlling circulating air in heating, cooling, and ventilation systems. The ARDTZ features a power closed/spring return open damper. It can be field-converted for use as an independent zone or for fresh air intake.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78340	ARD6TZ/U 6" AUTOMATIC ROUND DAMPER	
1	EA	78341	ARD8TZ/U 8" AUTOMATIC ROUND DAMPER	
1	EA	78342	ARD10TZ/U 10" AUTOMATIC ROUND DAMPER	
1	EA	78343	ARD12TZ/U 12" AUTOMATIC ROUND DAMPER	
1	EA	78344	ARD14TZ/U 14" AUTOMATIC ROUND DAMPER	
1	EA	78345	ARD16TZ/U 16" AUTOMATIC ROUND DAMPER	

Honeywell CPRD TrueZONE Bypass Dampers

Constant Pressure Relief Damper



The TrueZONE bypass constant pressure regulating damper is used in forced-air bypass applications to relieve excess static pressure when some of the zone dampers are closed. The damper is installed in a duct that delivers air to the return or a dump zone. The damper automatically opens and closes to maintain a desired static pressure.

The CPRD accurately regulates bypass air when one or more zones call, unlike conventional dampers that may bypass too much or too little air

CPRD Dampers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78837	CPRD8/U 8 INCH ROUND TRUEZONE BYPASS DAMPER	
1	EA	78838	CPRD10/U 10 INCH TRUEZONE BYPASS DAMPER	
1	EA	78839	CPRD12/U 12 INCH TRUEZONE BYPASS DAMPER	
1	EA	78840	CPRD14/U 14 INCH TRUEZONE BYPASS DAMPER	

Replacement Regulators

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78850	CPR8/U REPLACEMENT REGULATOR FOR CPRD 8	
1	EA	78851	CPR10/U REPLACEMENT REGULATOR FOR CPRD 10	
1	EA	78852	CPR12/U REPLACEMENT REGULATOR FOR CPRD 12	
1	EA	78853	CPR14/U REPLACEMENT REGULATOR FOR CPRD 14	

Honeywell ZD Series Dampers



ZD dampers are designed to offer unparalleled performance in leakage and rigidity. 24 volt spring-return motor for worry-free operation. Power-close, Spring-return Open for fail safe operation.

- Kevlar gearing reduces wear
- Adjustable minimum position stops
- Parallel blade design for low leakage
- Simple, two-wire installation
- Quieter operation with fewer blades.
- Mechanical visual position indicator for damper status
- Rated up to 1 in. wc static pressure.

Ordering Instructions

Dimension 1 x Dimension 2.
Motor is always mounted on dimension 2 side.

Side Mount Dampers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78760	ZD8X8/U SIDE MOUNT DAMPER	
1	EA	78761	ZD10X8/U SIDE MOUNT DAMPER	
1	EA	78770	ZD10X10/U SIDE MOUNT DAMPER	
1	EA	78762	ZD12X8/U SIDE MOUNT DAMPER	
1	EA	78771	ZD12X10/U SIDE MOUNT DAMPER	
1	EA	78804	ZD12X12/U SIDE MOUNT DAMPER	
1	EA	78763	ZD14X8/U SIDE MOUNT DAMPER	
1	EA	78772	ZD14X10/U SIDE MOUNT DAMPER	
1	EA	78812	ZD14X14/U SIDE MOUNT DAMPER	
1	EA	78764	ZD16X8/U SIDE MOUNT DAMPER	
1	EA	78773	ZD16X10/U SIDE MOUNT DAMPER	
1	EA	78805	ZD16X12/U SIDE MOUNT DAMPER	
1	EA	78813	ZD16X14/U SIDE MOUNT DAMPER	
1	EA	78765	ZD18X8/U SIDE MOUNT DAMPER	
1	EA	78774	ZD18X10/U SIDE MOUNT DAMPER	
1	EA	78814	ZDS/U 18X14 SIDE MOUNT DAMPER	
1	EA	78766	ZD20X8/U SIDE MOUNT DAMPER	
1	EA	78775	ZD20X10/U SIDE MOUNT DAMPER	
1	EA	78806	ZD18X12/U SIDE MOUNT DAMPER	
1	EA	78777	ZD20X12/U SIDE MOUNT DAMPER	
1	EA	78815	ZD20X16/U SIDE MOUNT DAMPER	
1	EA	78767	ZD22X8/U SIDE MOUNT DAMPER	
1	EA	78807	ZD22X12/U SIDE MOUNT DAMPER	
1	EA	78768	ZD24X8/U SIDE MOUNT DAMPER	
1	EA	78792	ZD24X10/U SIDE MOUNT DAMPER	
1	EA	78808	ZD24X12/U SIDE MOUNT DAMPER	
1	EA	78776	ZDS22X10/U SIDE MOUNT DAMPER	

Bottom Mount Dampers

1	EA	78356	ZD10X12TZ/U BOTTOM MOUNT DAMPER	
1	EA	78357	ZD10X14TZ/U BOTTOM MOUNT DAMPER	
1	EA	78358	ZD10X16TZ/U BOTTOM MOUNT DAMPER	
1	EA	78359	ZD10X18TZ/U BOTTOM MOUNT DAMPER	
1	EA	78360	ZD10X20TZ/U BOTTOM MOUNT DAMPER	
1	EA	78361	ZD10X22TZ/U BOTTOM MOUNT DAMPER	
1	EA	78362	ZD10X24TZ/U BOTTOM MOUNT DAMPER	
1	EA	78368	ZD12X14TZ/U BOTTOM MOUNT DAMPER	
1	EA	78369	ZD12X16TZ/U BOTTOM MOUNT DAMPER	
1	EA	78370	ZD12X18TZ/U BOTTOM MOUNT DAMPER	
1	EA	78371	ZD12X20TZ/U BOTTOM MOUNT DAMPER	
1	EA	78380	ZD14X18TZ/U BOTTOM MOUNT DAMPER	
1	EA	78381	ZD14X20TZ/U BOTTOM MOUNT DAMPER	
1	EA	78440	ZD8X10TZ/U BOTTOM MOUNT DAMPER	
1	EA	78441	ZD8X12TZ/U BOTTOM MOUNT DAMPER	
1	EA	78442	ZD8X14TZ/U BOTTOM MOUNT DAMPER	
1	EA	78443	ZD8X16TZ/U BOTTOM MOUNT DAMPER	
1	EA	78444	ZD8X18TZ/U BOTTOM MOUNT DAMPER	
1	EA	78445	ZD8X20TZ/U BOTTOM MOUNT DAMPER	
1	EA	78446	ZD8X22TZ/U BOTTOM MOUNT DAMPER	
1	EA	78447	ZD8X24TZ/U BOTTOM MOUNT DAMPER	
1	EA	78778	ZD8X10/U BOTTOM MOUNT DAMPER	
1	EA	78779	ZD8X12/U BOTTOM MOUNT DAMPER	
1	EA	78780	ZD8X14/U BOTTOM MOUNT DAMPER	
1	EA	78781	ZD8X16/U BOTTOM MOUNT DAMPER	
1	EA	78782	ZD8X18/U BOTTOM MOUNT DAMPER	
1	EA	78783	ZD8X20/U BOTTOM MOUNT DAMPER	
1	EA	78784	ZD8X24/U BOTTOM MOUNT DAMPER	

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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78785	ZD10X12/U BOTTOM MOUNT DAMPER	
1	EA	78786	ZD10X14/U BOTTOM MOUNT DAMPER	
1	EA	78787	ZD10X16/U BOTTOM MOUNT DAMPER	
1	EA	78788	ZD10X18/U BOTTOM MOUNT DAMPER	
1	EA	78789	ZD10X20/U BOTTOM MOUNT DAMPER	
1	EA	78790	ZD10X22/U 10X22 BOTTOM MOUNT DAMPER	
1	EA	78791	ZD10X24/U BOTTOM MOUNT DAMPER	
1	EA	78796	ZD8X22/U BOTTOM MOUNT DAMPER	
1	EA	78809	ZD12X14/U BOTTOM MOUNT DAMPER	
1	EA	78810	ZD12X16/U BOTTOM MOUNT DAMPER	
1	EA	78811	ZD12X18/U BOTTOM MOUNT DAMPER	
1	EA	78816	ZD14X18/U BOTTOM MOUNT DAMPER	
1	EA	78817	ZD14X20/U BOTTOM MOUNT DAMPER	
1	EA	78826	ZDB/U 12X24 BOTTOM MOUNT DAMPER	

Honeywell ARD Automatic Round Dampers



The ARD is a single blade damper constructed of 24-gauge galvanized steel. The single blade design includes a gasketed seal for tight shut-off and can be installed on systems with up to 0.8" of static. The ARD can be installed in any rigid or flexible round duct system. It comes Power Closed but can be easily field converted to Power Open.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78618	ARD6/U 6" AUTOMATIC ROUND DAMPER	
1	EA	78719	ARD8/U 8" AUTOMATIC ROUND DAMPER	
1	EA	78720	ARD10/U 10" AUTOMATIC ROUND DAMPER	
1	EA	78721	ARD12/U AUTOMATIC ROUND DAMPER	
1	EA	78722	ARD14/U 14" AUTOMATIC ROUND DAMPER	
1	EA	78723	ARD16/U AUTOMATIC ROUND DAMPER	

Honeywell Replacement Motors
For ZD and ARD Dampers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78795	M847D1012/U MOTOR F/ZD/ARD DAMPERS	
1	EA	78455	M847D-ZONE/U MOTOR F/ZD/ARD DAMPERS	

Honeywell RRD Retrofit Round Damper



- 1/2" blade shaft for durability
- Visual position indicator, range stops and manual position adjustment allow for easy installation
- 24VAC circuit for compatability with all Honeywell zoning products
- Less leakage. Cycle tested to 100,000 cycles <5% leakage at .5 wc.
- Optional wireless thermostat and module compatible with conventional zone panels
- 2.5VA actuator easily connects with up to 12 dampers without a damper expansion module.
- NEMA 1 and UL rated actuator.
- 5-Year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78822	RRD5/U 5 INCH ROUND RETROFIT ZOINING DAMPER	
1	EA	78823	RRD6/U 6 INCH ROUND RETROFIT ZOINING DAMPER	
1	EA	78824	RRD7/U 7 INCH ROUND RETROFIT ZOINING DAMPER	
1	EA	78825	RRD8/U 8 INCH ROUND RETROFIT ZONING DAMPER	

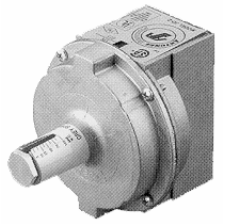
Honeywell Modulating Dampers and Static Pressure Control



MARD

Model MARD Modulating Automatic Round Damper

The MARD is a single-blade, modulating round motorized damper using a 90 second open to closed motor. The MARD modulates open when the duct pressure rises above the null (off) setting and modulates closed when the duct pressure falls below the null setting. This can also be used as a zone damper.



SPC

Model SPC Static Pressure Control

The SPC is used to sense the supply air static pressure and control a MOBD/MARD to maintain a set system pressure. The SPC operates from 0.1" to 4.0" w.c. with a fixed differential. On pressure rise it modulates the damper open and on pressure fall it modulates the damper closed.

MARD Modulating Automatic Round Dampers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78715	MARD8/U 8" MODULATING AUTO RD. DAMPER	
1	EA	78716	MARD10/U MODULATING AUTO RD. DAMPER	
1	EA	78717	MARD12/U MODULATING AUTO RD. DAMPER	

SPC Static Pressure Control

1	EA	78718	SPC/U STATIC PRESSURE CONTROL	

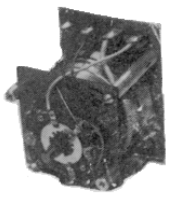
Honeywell Zone System Parts and Accessories



FPC

FPC Freeze Protection Control

Replaces the model AFUC. This two wire temperature sensor easily clips on to the suction line and monitors suction line temperature. The FPC opens at 36° and closes **at 46°. Wires into the Y leg to the compressor.**



MSTN

MSTN Motor Switch Terminal Assembly

Replacement motor for AOBD, AOBD-BM, and IOBD dampers. MSTN includes the motor assembly and an allen wrench for fast, easy replacement.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78753	FPC/U FREEZE PROTECTION CTRL SWITCH	
1	EA	78650	MSTN/U DAMPER MOTOR	

Honeywell Networking Zoning



W8635A



W8735B

W8735B Telephone Acess Module

The W8735B provides remote telephone access to an HVAC system to check or change the thermostat temperatureand system mode when used with a T8635L themostat and a W8635 EIM.

The W8735B can be used with conventional or heat pump applications (must order W8635B EIM for heat pump applications)and can provide remote access to as many as nine zones when used with the W8703A DIM. The module reports an alert message on high or low temperature and up to three telephone numbers can be programmed for alert messaging.

Terminals: 1,2,3,AUX1,AUX2,Ln1,Ln2, Ph1, Ph2, Line in, Phone out

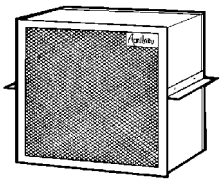
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78709	W8635A 1006 EQUIPMENT INTERFACE MODULE	
1	EA	78547	W8735D1009/U 2 CHANNEL TELEPHONE ACCESS MODULE	
1	EA	78548	W8735D1017/U 4 CHANNEL TELEPHONE ACCESS MODULE	

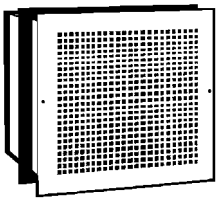
Honeywell PIRR Plug-in Relay

Four pole double throw replacement plug-in relat for MM-2, MM-3, SDCR, and MABS panels. Also used on all Trol-A-Temp relay panels.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78657	PIRR PLUG-IN RELAY	

350 & 360 Self-Contained Humidifers





Designed specifically for installation in homes with radiators or baseboard heat. The 350/360 models are flexible enough to work equally well with central heating and cooling systems.

Model 350

This model is designed especially for basement installations of hydronically heated homes, but is equally suitable for use with any other type of heat. The unit can also be installed in a closet, utility room, or heated crawl space. The Model 350 can be installed independently of the forced air heating system in a conditioned space to provide humidity as needed. Humidistat and saddle valve are included.

Model 360

This model is designed especially for any residence, condominium, town house, or apartment, regardless of the type of heating system. It is installed through the wall and is completely independent of the heating system. Humidistat and saddle valve are included.

Specifications

- Evaporative Capacity: 0.5 gallons of water per hour using 140° service hot water at unit.
- Volume of Home (cubic feet): Loose Home 9,000 cu. ft. 2 air changes per hour. Average Home 18,000 cu. ft. 1 air change per hour. Tight Home 36,000 cu. ft. 1/2 air change per hour.

Dimensions:

- **Model 350:** 13-1/4" W x 12-3/4" H x 15" D.
- **Model 360:** 13-1/4" W x 12-3/4" H x 12-1/2" D.
- Wall frames and Grille: 16-1/2" W x 15-1/2" H.
- Ductwork: Model 350 (not supplied) 7" diameter round ductwork to supply grille. Supply grille 50 square inches of free area minimum.
- Drain Connection: 1/2" I.D. plastic hose direct to drain fitting on unit.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	41511	350 SELF CONTAINED DUCTED HUMIDIFIER WITH MANUAL CONTROL			
1	EA	41512	360 SELF CONTAINED THRU THE WALL HUMIDIFIER WITH MANUAL CONTROL			

400 Humidifier



The Aprilaire 400 humidifier features a built-in bypass damper and utilizes new evaporative technology to minimize water use. Gravity pulls water down, while the wicking action of the Water Panel® draws it back to the top, using 100% of the water delivered to the unit.

- Features truly automatic control.
- Has an evaporation capacity of 0.70 gallons per hour.
- Humidifies tightly-constructed homes up to a 4,000 square foot in size.
- 5 year warranty
- Unit Dimensions (In.): 15-3/8 W x 15-3/4 H x 10-1/4 D
- Plenum Opening (In.): 9-7/8 W x 12-5/8 H

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
24	EA	41190	400 DRAINLESS AUTOMATIC HUMIDIFIER (LARGE BYPASS)			

Aprilaire® 500 Humidifiers



This unit utilizes a manual humidifer control that can be installed in the living area or on the furnace ductwork. Along with all other models, it is equipped with a drain to flush minerals from the system. The Model 550 has an evaporative capacity of .50 gallons per hour.

- Unit Size (In.): 15-3/8 W x 13 H x 10-1/4 D
- Plenum Opening (In.): 9-1/2 W x 9-1/2 H
- 5 year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
27	EA	41191	500 AUTOMATIC HUMIDIFIER (SMALL BYPASS)			
27	EA	41192	500M MANUAL HUMIDIFIER (SMALL BYPASS)			

Aprilaire® 600 Humidifiers



A computer equipped bypass humidifier that features state-of-the-art automatic control. The 600 can be installed with an outdoor sensor for automatic operation or without the outdoor sensor for manual operation.

- 5 year warranty
- Unit Size (In.): 15-3/8 W x 15-3/4 H x 10-1/4 D
- Plenum Opening (In.): 9-7/8 W x 12-5/8 H
- Humidistat that can be operated in either the automatic or manual mode.
- Built-in bypass damper. No need to carry extra parts.
- Reversible housing. Allows for quick conversion to a right or left hand bypass without using any tools.
- Reduce inventory. One unit replaces the 558, 560, and 568 models. One unit on the truck to satisfy customers needs.
- Conveniently labeled for summer and winter settings.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
24	EA	41193	600 AUTOMATIC HUMIDIFIER (LARGE BYPASS)			
24	EA	41194	600M MANUAL HUMIDIFIER (LARGE BYPASS)			

Aprilaire® 700 Humidifiers



Plenum mounted power humidifier features easy installation. Non-rust construction features safe proven flow-through design for two way elimination of trouble causing minerals. Humidistat and saddle valve are included.

Aprilaire® Automatic Humidifier is the world's first completely automatic humidifier, featuring an exclusive automated "no-touch" computer operation that eliminates the need for constant manual adjustments.

Specifications

- 5 year warranty
- Dimensions (In.): 15-29/32 W x 15-31/32 H x 10-11/32 D
- Plenum Opening (In.): 15 W x 14-3/16 H
- Drain Connection: 1/2" ID Plastic Hose Direct to Drain Fitting on Unit.
- Evaporative Capacity: .75gph

Sq. Ft. Area

- Loose: 1050
- Average: 2,100
- Tight: 4,200

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
24	EA	41195	700 AUTOMATIC HUMIDIFIER (FAN POWERED)			
24	EA	41196	700M MANUAL HUMIDIFIER (FAN POWERED)			

Aprilaire® Whole-House Steam Humidifier

Ducted and Ductless Options



Model 800 Humidifier

- For applications with forced air heating—uses existing HVAC system duct to deliver steam
- Unit operates at 120, 208, or 240 VAC and at 11.5 or 16.0 Amps
- Remote and duct mounted options
- Steam dispersion tube, stem hose, drain tube included
- Model 62 Automatic digital humidifier control with outdoor sensor included
- Water Hardness: 3 to 36 grain per gallon—water filtration not necessary
- Supply water pressure must be between 25 psi and 120 psi

Model 865 Ductless Humidifier Package

- For applications with non-forced air heating sources
- Includes: 800 humidifier, 850 Fan Pack, 65 digital humidistat, 4208 drain tap assembly, steam hose, drain tube

Voltage	Steam Capacity (GPD)	Current Draw (Amps)	kW	Dimensions W x H x D (In)	Humidifier Unit Operating Weight (Lbs)
120V	11.5	11.5	1.4	10-1/8 X 20-7/8 X 7-1/8	27
	16.0	16.0	1.9		
208V	20.5	11.5	2.4		27
	30.0	16.0	3.3		
540V	23.3	11.5	2.8		27
	34.6	16.0	3.8		

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	70054	865 RESIDENTIAL STEAM HUMIDIFIER WITH MODEL 850 FAN PACK			
1	EA	70048	800 STEAM HUMIDIFIER WITH AUTOMATIC DIGITAL CONTROL			
6	EA	70049	80 REPLACEMENT STEAM CANISTER MODEL 800			

Aprilaire® Evaporator Elements for Humidifiers

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 4 CTNS
110, 220, 500, 550, 570, 558	10	EA	41610	10 WATER PANEL EVAPORATOR ELEMENTS			
112, 224, 225, 440, 445, 448	10	EA	41607	12 WATER PANEL EVAPORATOR ELEMENTS			
350, 360, 560, 568, 600, 700, 760, 768	10	EA	41608	35 WATER PANEL EVAPORATOR ELEMENTS			
400	5	PKG	41609	45 WATER PANEL EVAPORATOR ELEMENT			
1200	1	EA	41518	1200 WATER PANEL EVAPORATOR ELEMENTS			

Aprilaire® Humidifier Parts

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
330	12	EA	41642	4004 IN-LINE STRAINER	
110, 112	1	EA	41625	4005 SOLENOID VALVE	
110, 220	144	EA	41598	4007 WHITE ORIFICE	
All	1	EA	41622	4010 RP TRANSFORMER	
112, 224, 330	144	EA	41595	4021 RED ORIFICE	
800	1	EA	41629	4028 DRAIN TRAP ASSEMBLY FOR MODEL 800	
220, 224, 440, 558, 568, 600, 768	1	EA	41674	4040 24V WATER SOLENOID VALVE	
350, 360, 440	1	EA	41724	4079 FEED & NOZZLE	
445	1	EA	41678	4088 FLOAT ONLY	
445	1	EA	41680	4090 FAN BLADE	
445	1	EA	41681	4091 HOSE AND NOZZLE	
350, 360	1	EA	41752	4183 DISTRIBUTION TRAY COVER	
350, 360, 558, 568	1	EA	41753	4184 NOZZLE	
350, 360	1	EA	41760	4191 SOLENOID VALVE	
550, 558	10	EA	41664	4217 SCALE CONTROL INSERT	
550, 558	1	EA	41665	4218 WATER DISTRIBUTION TRAY	
550, 560, 558, 568, 600	6	EA	41666	4223 DRAIN SPUD	
400, 400A, 500, 500A, 500M, 550, 560, 600, 600A, 600M	144	EA	41725	4231 YELLOW ORIFICE	
350, 360, 700, 700A, 700M, 760	144	EA	41723	4232 BLUE ORIFICE	
760, 768	1	EA	41773	4235 FEED TUBE WITH NOZZLE	
560, 760, 568, 768	12	EA	41776	4236 SCALE CONTROL INSERT 700A&700M	
760, 768	1	EA	41777	4237 MOTOR	
760, 768	1	EA	41778	4238 CIRCUIT BOARD	
760, 768	1	EA	41596	4239 FEMALE DISCONNECT ASSEMBLY	
760, 768	1	EA	41597	4240 MALE DISCONNECT ASSEMBLY	
760, 768	1	EA	41780	4246 WATER DISTRIBUTION TRAY	
760, 768	1	EA	41781	4247 FAN BLADE	
600	1	EA	41599	4330 SCALE CONTROL INSERT	
600	1	EA	41600	4331 WATER DISTRIBUTION TRAY	
600	1	EA	41601	4332 600 DAMPER ASSEMBLY	
400, 600	1	EA	41770	4335 FEED TUBE MODEL 400 & 600	
500A, 500M	10	EA	41330	4640 INSERT SCALE CONTROL	
500M, 600M, 700M	1	EA	41623	4655 MANUAL HUMIDIFIER CONTROL	
700, 700M, 760, 760A, 768	1	EA	41687	4670 BLUE/GRAY MOTOR	
700, 700M	1	EA	41693	4732 BASE FOR A 700 HUMIDIFIER	
700A, 700M	1	EA	41730	4740 RELAY	
550, 550A, 558	1	EA	41632	4793 MAINTENANCE KIT	
560, 560A, 568	1	EA	41630	4837 MAINTENANCE KIT	
600, 700	1	EA	41333	4851 BLOWER ACTIVATION RELAY	
558, 568, 600, 768	1	EA	41523	56 AUTOMATIC HUMIDIFIER CONTROL	
400, 500, 600, 700	1	EA	41652	60 AUTOMATIC DIGITAL HUMIDIFIER CONTROL W/BLOWER ACTIVATION	
800	1	EA	41653	62 AUTOMATIC DIGITAL HUMIDIFIER CONTROL FOR 800 STEAM ONLY	
1830, 1850, 1850F, 1870	1	EA	41701	76 DIGITAL DEHUMIDIFIER CONTROL	
558, 568, 600, 768	1	EA	41524	8052 DUCT OR OUTDOOR MOUNT TEMPERATURE SENSOR	

GENERALAire Current Sensing Relays



GA50

- 24 volt with stainless steel seat
- For use with GeneralAire, Aprilaire, and Honeywell humidifiers
- Makes blower control isolation easy

GA51

- 120 volt
- For use with electronic air cleaners and small load rated fans
- Makes blower control isolation easy

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	45694	7026 GA50 24V CURRENT SENSING RELAY	
1	EA	45695	7027 GA51 120V CURRENT SENSING RELAY	

Honeywell HM750A Advanced Electrode Steam Humidifier



Features

The HM750 residential steam humidifier provides steady and reliable humidification. It is designed for connection directly to a supply air duct for humidity on-demand. The humidifier may be directly mounted to the air duct, or it may be mounted remotely, with a steam hose connecting the humidifier to a distributor nozzle installed at the air duct.

Includes

- HM750 steam humidifier
- H6062 HumidiPRO humidistat
- Steam distributor nozzle
- Rubber drain hose
- LDPE water hose
- Baffle (duct mount only)
- Foam gasket (duct mount only)
- Steam hose (wall mount only)
- Fittings, hardware, and mounting template

Specifications

Model No.	Power Supply	Steam Output (GPD)	kW	Amps	Dimensions W x H x D (In)
HM750A	120/50/1	11	1.5	12	18 x 10 x 7
	240/60/1	22	3.0	12	18 x 10 x 7

Humidifier

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	78232	HM750A1000/U ADVANCED ELECTRODE STEAM HUMIDIFIER			

Accessories and Parts for HM750A Electrode Steam Humidifier

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	78233	HM750ACYL/U HM750 REPLACEMENT CANISTER	
1	EA	78234	HM750ANKIT/U HM750 NOZZLE KIT	
1	EA	78235	HM750AVKIT/U HM750 VALVE KIT	
1	EA	78236	HM750APCB/U HM750 REPLACEMENT PC BOARD	
1	EA	78237	HM750AHOSEKIT/U HM750 15 FEET STEAM HOSE	

Accessories and Parts for HM700A Electrode Humidifier

1	EA	78206	HM700ACYL2/U ELECTRODE HUMIDIFIER REPLACEMENT CANISTER	
1	EA	78216	HM700ADISTKIT/U ELECTRODE HUMIDIFIER STEAM DISTRIBUTION KIT	
1	EA	78214	HM700ADVALVE/U ELECTRODE HUMIDIFIER REPLACEMENT DRAIN VALVE	
1	EA	78215	HM700AFVALVE/U ELECTRODE HUMIDIFIER REPLACEMENT FILL VALVE	
1	EA	78207	HM700AHOSEKIT/U ELECTRODE HUMIDIFIER 15' STEAM HOSE	
1	EA	78229	HM700APCB/U ELECTRODE HUMIDIFIER REPLACEMENT PC BOARD	
1	EA	78230	HM700ATX/U ELECTRODE HUMIDIFIER REPLACEMENT TRANSFORMER	

Honeywell TrueEase™ HE Evaporative Humidifiers

Bypass and Fan Powered Models







Basic Bypass Model Features

- Interchangeable bypass
- One-piece design
- Integrated wiring
- Quick-connect plumbing
- Familiar footprint
- User-friendly pad access

Advanced Bypass Model Features

- Interchangeable bypass
- One-piece design
- Integrated wiring
- Quick-connect plumbing
- Familiar footprint
- User-friendly pad access
- Quiet operation
- Up to 30% water savings
- Energy savings

Fan-Powered Model Features

- One-piece design
- Integrated wiring
- Quick-connect plumbing
- Familiar footprint
- User-friendly pad access
- Quiet operation

Model	Humidifies Up to (Cu. Ft.)	Capacity GPD	Unit W x D x H (In.)	Plenum Opening W x H (In.)	Bypass Duct Opening (In.)	Includes
HE100/150	16,000	12	14.1 x 10.1 x 14	9-5/16 x 9-7/16	6	Mounting template, humidistat, humidifier pad, and self-piercing valve
HE200/250	20,000	17	15 x 10.1 x 17.15	9-3/4 x 12-5/8	6	
HE300	24,000	18	15.5 x 10.3 x 16.8	13-1/2 x 14-1/16	6	

Bypass Humidifiers (Basic and Advanced)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
24	EA	78209	HE100A1000/U 12 GPD BASIC BYPASS EVAPORATIVE HUMIDIFIER			
24	EA	78210	HE150A1005/U 12 GPD ADVANCED BYPASS EVAPORATIVE HUMIDIFIER			
18	EA	78211	HE200A1000/U 17 GPD BASIC BYPASS EVAPORATIVE HUMIDIFIER			
18	EA	78212	HE250A1005/U 17 GPD ADVANCED BYPASS EVAPORATIVE HUMIDIFIER			

Fan-Powered Humidifier (Advanced)

8	EA	78213	HE300A1005/U 18 GPD ADVANCED FAN- POWERED EVAPORATIVE HUMIDIFIER			

Honeywell Humidifier Parts and Accessories

For Use With the Following	STD PKG	U/M	Bercor Number	Description	PC-1 EACH
HE120	1	EA	74949	32000146-001 REPLACEMENT PAD W/CLIPS HE120	
HE220, 260, 225, 265	1	EA	74944	32001615-001/U DRAIN FITTING FOR HE220/HE260	
HE225	2	EA	78156	32001619-001/U DISTRIBUTION TRAY F/HE225	
HE225	2	EA	78154	32001621-001/U FRAME F/HE225	
HE265, 365	2	EA	78157	32001630-001/U DISTRIBUTION TRAY F/HE265-365	
HE265, 365	2	EA	78155	32001632-001/U FRAME F/HE265-365	
HE220, 260, 225, 265	1	EA	74941	32001639-002/U SOLENOID VALVE ASSY HE220/260	
HE100A, 150A	2	EA	78227	32001652-002/U 10 VOLT TRANSFORMER	
HE360	2	EA	74850	32001676-001/U PRINTED WIRING BOARD FOR HE360	
HE220, 260, 225, 265	1	EA	74942	32001752-001/U HARDWARE KIT F/HE220/260 FEED TUBE AND NOZZLE KIT	
HE360, 365	2	EA	74849	32001876-001/U SOLENOID VALVE ASSY HE360	
HE365	1	EA	78158	32005376-001/U FAN MOTOR FOR HE360/365	
HM506H, HM509H, and HM512H	1	EA	70461	50024917-001/U TRUESTEAM REMOTE HOSE KIT 10'	
HM506H, HM509H, and HM512H	1	EA	70462	50024917-002/U TRUESTEAM REMOTE HOSE KIT 20'	
HM506H, HM509H, and HM512H	1	EA	70470	50027910-00/U DIFFERENTIAL PRESSURE SWITCH	
HM506H, HM509H, and HM512H	1	EA	70465	50027997-001/U SOLENOID VALVE	
HM506H, HM509H, and HM512H	1	EA	70471	50027998-002/U WATER LEVEL SENSOR	
HM506H, HM509H, and HM512H	1	EA	70464	50028001-001/U REMOTE NOZZLE	
HM506H, HM509H, and HM512H	1	EA	70463	50028003-001/U DUCT NOZZLE	
HM506H, HM509H, and HM512H	1	EA	70466	50028044-001/U IN-LINE WATER FILTER	
HE100A, 150A	2	EA	78219	50041861-001/U FRAME AND TRAY FOR SMALL BYPASS MODELS	
HE200A, 250A	2	EA	78220	50041861-002/U FRAME AND TRAY FOR LARGE BYPASS MODELS	
HE150A, 250A, 300A	2	EA	78218	50041883-001/U DC SOLENOID VALVE	
HE100A, 200A	2	EA	78217	50041883-002/U AC SOLENOID VALVE	
HE200A	2	EA	78231	50041890-002/U LARGE HUMIDIFIER AUTOMATIC DAMPER	
HE300A	2	EA	78225	50041919-001/U FRAME AND TRAY ASSEMBLY FOR FAN MODEL	
HM506H, HM509H, and HM512H	12	PKG	70496	50044721-001/U WATER HARDNESS TEST KIT	
HE300A	2	EA	78224	50045729-001/U BLOWER AND MOTOR ASSEMBLY WITH ISOLATOR	
HM506H, HM509H, and HM512H	1	EA	70499	50045947-001/U RO FILTER SYSTEM WITH STORAGE TANK	
HM506H, HM509H, and HM512H	1	EA	70500	50046086-001/U FILTER REPLACEMENT KIT	
HE200A, 250A, 300A	2	EA	78228	50050349-001/U 15 VOLT TRANSFORMER	
HE300A	2	EA	78226	50052653-001/U WIRE TERMINAL COVER FOR FAN MODEL	
HE300A	2	EA	78223	50057547-001/U HE300 CIRCUIT BOARD	
HE150A	2	EA	78221	50057547-002/U HE150 CIRCUIT BOARD	
HE250A	2	EA	78222	50057547-003/U HE250 CIRCUIT BOARD	
HM506H, HM509H, and HM512H	12	EA	78493	DG115EZIAQ/U TRUE IAQ DIGITAL CONTROL	
HE100A, 150A, 200A, 250A, 300A	1	EA	78208	H6062A1000/U HUMIDIPRO DIGITAL HUMIDITY CONTROL	
HE100A, 150A, 220, 225	10	EA	74946	HC22A1007/U HUMIDIFIER PAD FOR HE220	
HE100A, 150A, 220, 225	10	EA	78136	HC22E1003/U AGION HUMIDIFIER PAD F/HE225/HE220	
HE200A, 250A, 260, 265, 300A, 360	10	EA	74948	HC26A1008/U HUMIDIFIER PAD HE260/360	
HE200A, 250A, 260A, 265, 300A, 350A, 360, 365	10	EA	78137	HC26E1004/U AGION HUMID PAD F/HE265/260/365/360	

TRION® Parts for Flow-Through Humidifiers

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
G100	6	EA	41544	G-116-6 EVAPORATOR PADS	
G100	1	EA	41546	G-122 POWER CONTROL BOARD	
G100, G200	12	EA	41553	G-125 FILTER	
G100, G200	1	EA	41549	G-139 12VA TRANSFORMER	
G100	1	EA	41550	G-155 353226-001 DRAIN TRAY ASSEMBLY	
G200	6	EA	41554	G-206-6 EVAPORATOR PADS	
G200	12	EA	41557	G-217 .018IN FLUID RESTRICTORS	

White-Rodgers Accessories for HFT Series Flow-through Humidifiers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77986	000-1721-048 FAN MOTOR F/HFT2900FP	

1000A & M Elite Flow-Through Fan Powered Humidifiers



Every GeneralAire Elite Flow-Through Humidifier features the patented KineticFlo® water distribution trough system. The Kinetic Flo design assures that every square inch of the VaporPad® surface area is covered yielding top evaporative efficiency.

All GeneralAire Elite flow-through humidifiers are manufactured with DuraPlast®. DuraPlast is an ultra-violet stable automotive grade plastic ensuring a durable quality design.

1000A
- Automatic humidistat
- 18.0 GPD
- Replacement evaporator/element: GA19, 990-13
- 10 year warranty
- Unit size (In.): 16 W x 16-1/2 H x 10 D
- Plenum opening (In.): 14 W x 12 H

1000M
- Manual humidistat
- 18.0 GPD
- Replacement evaporator/element: GA19, 990-13
- 10 year warranty
- Unit size (In.): 16 W x 16-1/2 H x 10 D
- Plenum opening (In): 14 W x 12 H

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	45742	1000A 18GPD 120V AUTOMATIC FAN POWERED HUMIDIFIER			
1	EA	45744	1000M 18GPD 120V MANUAL FAN POWERED HUMIDIFIER			

900M Elite Flow-Through Bypass Humidifier



Every GeneralAire Elite Flow-Through Humidifier features the patented KineticFlo® water distribution trough system. The Kinetic Flo design assures that every square inch of the VaporPad® surface area is covered yielding top evaporative efficiency.

All GeneralAire Elite flow-through humidifiers are manufactured with DuraPlast®. DuraPlast is an ultra-violet stable automotive grade plastic ensuring a durable quality design.

- Manual humidistat
- 17.0 GPD
- Replacement evaporator/element: GA19, 990-13
- 10 year warranty
- Unit size (In.): 12 W x 16-1/2 H x 10 D
- Plenum opening (In.): 8-3/4 W x 12 H
- Bypass duct diameter (In.): 6

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	45743	900M 17GPD 6IN 24V MANUAL BYPASS HUMIDIFIER			

570M Elite Flow-Through Bypass Humidifiers
Designed for Smaller Sized Homes



Every GeneralAire Elite Flow-Through Humidifier features the patented KineticFlo® water distribution trough system. The Kinetic Flo design assures that every square inch of the VaporPad® surface area is covered yielding top evaporative efficiency.

All GeneralAire Elite flow-through humidifiers are manufactured with DuraPlast®. DuraPlast is an ultra-violet stable automotive grade plastic ensuring a durable quality design.

- Manual humidistat
- Includes: M3 select-control
- 12.0 GPD
- Replacement evaporator/element: GA10
- Unit size (In.): 11-7/8 W x 13-3/8 H x 9-1/2 D
- Plenum opening (In.): 8-3/4 W x 9-1/2 H
- Bypass duct diameter (In.): 6

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	45740	570M 12GPD 6IN 24V MANUAL BYPASS HUMIDIFIER			

1137 Legacy Flow-Through Fan Powered Humidifier



A portion of the heated air from the furnace passed through a water-soaked Vapor Pad® where it absorbs additional moisture and then returns for distribution throughout your home.

Water is metered into a patented KineticFlo® trough and uniformly dispersed across the Vapor Pad. Unevaporated water drains from the bottom of the unit to eliminate mineral build-up.

- Manual humidistat
- Includes: M3 select-control
- 21.3 GPD
- Replacement evaporator/element: 990-13
- 5 year warranty
- Unit size (In.): 16 W x 14 H x 10 D
- Plenum opening (In.): 15 W x 9-1/2 H

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	45657	1137 21.3 GPD 120V DRAIN TYPE FAN POWER HUMIDIFIER			

1042 & 1099 Legacy Flow-Through Bypass Humidifier





A portion of the heated air from the furnace passed through a water-soaked Vapor Pad® where it absorbs additional moisture and then returns for distribution throughout your home.

Water is metered into a patented KineticFlo® trough and uniformly dispersed across the Vapor Pad. Unevaporated water drains from the bottom of the unit to eliminate mineral build-up.

1042-LH
- Manual humidistat
- Includes: M3 select-control
- 19.2 GPD
- Replacement evaporator/element: 990-13
- 5 year warranty
- Unit size (In.): 15 W x 11-1/2 H x 9 D
- Plenum opening (In.): 10-1/4 W x 9-1/2 H
- Bypass duct diameter (In.): 6

1099-LHS
- Manual humidistat
- Includes: M3 select-control
- 23.0 GPD
- Replacement evaporator/element: GA23, 1099-20
- 5 year warranty
- Unit size (In.): 16 W x 16 H x 11 D
- Plenum opening (In.): 13-1/4 W x 9-1/4 H
- Bypass duct diameter (In.): 7

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	45662	1042LH 19.2 GPD 24V FLOW THROUGH BY-PASS HUMIDIFIER			
1	EA	45634	1099LHS 23.1 GPD 24V FLOW THROUGH BY-PASS HUMIDIFIER			

DS15P & DS25LC Elite Steam Duct Mount Humidifiers



The Elite Steam is an electrode humidifier that produces steam for humidification by passing electric current through the water between metal electrodes in the plastic steam generator cylinder.

- Integrated smart monitoring drain pump assembly
- Self contained immersed electrode design
- Disposable steam generating cylinder
- High water level and foam detection monitoring
- Drain tempering
- 20% adjustable capacity from rated max output
- Integrated AHU fan relay for on demand humidification

DS15P

- Automatic humidistat
- 15.8 GPD
- Replacement evaporator/element: 15-14
- 2 year warranty
- Unit size (In.): 13-1/8 W x 23-3/4 H x 8-1/4 D

DS25LC

- Automatic humidistat
- Includes: low conductivity cylinder
- 25-35 GPD
- Replacement evaporator/element: 35-14
- 2 year warranty
- Unit size (In.): 13-1/8 W x 23-3/4 H x 8-1/4 D

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	45679	DS15P 15 GAL 120V ELITE STEAM W/DRAIN PUMP HUMIDIFIER			
1	EA	45681	DS25LC 25 GAL 230V W/DRAIN PUMP ELITE STEAM HUMIDIFIER			
1	EA	45624	DMNKIT DUCT MOUNT KIT INCLUDES 8FT HOSE FOR DS35/DS15			

NOTE: The DMNKit is required with the DS15P and DS25LC.

GENERALAire Evaporator Elements and Humidifier Parts

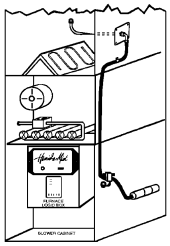
Evaporator Elements

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 4 CTNS
	1	EA	78205	HM700A1000/U ELECTRODE STEAM HUMIDIFIER			
65	12	EA	45665	65-5 7IN W 5IN I.D. REPLACEMENT EVAPORATOR SLEEVE FOR MODEL 65			
81	12	EA	45626	81-15 7 1/2IN W 6 1/2IN I.D. REPLACEMENT EVAPORATOR SLEEVE FOR MODEL 81			
800	40	PKG	44941	880 5PK EVAPORATOR PLATES			
709, -L, -LH; 1137; 1042, -L, -LH; 1042-R; 1040, -L	6	EA	45670	990-13 REPLACEMENT EVAPORATOR PAD FOR MODEL 1137			
1099, -L, LH	6	EA	45635	1099-20 REPLACEMENT EVAPORATOR PAD FOR 1099LHS & 1099LH			
570	10	EA	45672	GA10 7900 REPLACEMENT EVAPORATOR PAD FOR 570M 570A			
900, 1000	10	EA	45658	GA19 7919 REPLACEMENT EVAPORATOR PAD 900A 1000A 900M 1000M			
950	10	EA	45659	GA23 REPLACEMENT EVAPORATOR PAD FOR MODEL 950 & 1099LHS			
350, 360, 560, 568, 600, 768, 700, 760	10	EA	45688	GA35 7902 REPLACEMENT EVAPORATOR PADS FOR MODEL 350 360 568			

Humidifier Parts

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
DS15	1	EA	45617	15-14 REPLACEMENT STEAM CYLINDER FOR DS15/RS15	
DS15, DS35	1	EA	45619	20-1 STEAM NOZZLE FOR DS15/RS15 & DS35/RS35	
DS25LC	1	EA	45621	35-15 7543 REPLACEMENT STEAM CYLINDER FOR DS25LC	
All bypass models	30	EA	45746	7081 WATER SAVOR CONTROLLER	
40; 45; 65; 81; 709-R; 1042-R; 1040-R; 1099-R	1	EA	45636	727-58 24V (12VA) TRANSFORMER	
65	1	EA	45637	727-40 MOTOR ASSEMBLY	
65; 81	1	EA	45690	81-21 FLOAT VALVE ASSEMBLY	
81	1	EA	45691	81-22 DRUM ASSEMBLY	
709, -L, -LH; 1099, -L, -LH; 1137; 1040, -L; 1042, -L, -LH	1	EA	45655	990-37-75 ORIFICE & STRAINER ASSEMBLY	
709, 1042, 1040	1	EA	45674	990-52 115V SOLENOID VALVE FOR 1042	
709, -L, -LH; 1042, -L, -LH; 1040, -L, -LH	1	EA	45675	990-53 24V SOLENOID VALVE FOR 1042LH	
1099	1	EA	45716	1099-42 24V SOLENOID VALVE ASSEMBLY	
1137; 1042, -L, -LH, -R	1	EA	45710	1137-3 DRAIN PAN	
1137, 1137R	1	EA	45682	1137-8 FAN MOTOR	
1137	1	EA	45714	1137-17 120V SOLENOID VALVE ASSEMBLY	
DS35, DS15	1	EA	45624	DMNKIT DUCT MOUNT KIT INCLUDES INCL 8FT HOSE FOR DS35/DS15	
DS25LC, DS15P	1	EA	45614	EDMK4 7675 ECONOMY DUCT MOUNT KIT FOR DS25LC AND DS15P	
900	1	EA	45724	GA4040 7221 24V SOLENOID VALVE	
1000	1	EA	45718	GA4045 24V SOLENOID VALVE W/HARNESS	
	1	EA	45686	GA4237 7584 MOTOR FOR 1000,760,700	
1137	1	EA	45717	GA4238 RELAY CIRCUIT BOARD	
	1	EA	45745	GFX3 24V WALL/ DUCT MOUNT AUTO DIGITAL TEMP COMPENSATING HUMIDISTAT	
MHX3, MHX3C, DHX3 (For Wall or Duct installation	1	EA	40032	WMH3 7053 7053 WALL MOUNT HOUSING	
	1	EA	45683	MHX3C 7038 24V WALL OR DUCT MOUNT MANUAL HUMIDISTAT	

Humid-a-Mist HUM-100 Pulse Humidifier



For use in forced air, gas, electric, or heat pump units. The Humid-a-Mist is designed to maintain a broad range of humidity levels in a residential or commercial space by means of a by-pass pulse board, a misting nozzle, water solenoid valve, and a water filter cartridge.

- Humidistat: Wall or duct mounted with by-pass mode works with or without heat.
- Unit Size: 5-1/2" W x 4-1/4" H x 1-1/2" D.
- Water Supply: 1/4" plastic tubing supplied.
- Electrical: 24V control, 120V fan switch 60Hz, .24 amp draw.
- Capacity: 1.4 to 14.7 GPD

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
—	1	EA	41530	HUM-100 HUMID-A-MIST PULSE HUMIDIFIER	
HUM-100	1	EA	41531	HUM-100-P CONTROL BOARD	
HUM-100, HYDRO-120	5	EA	41535	NK-101 NOZZLE KIT	
HUM-100	5	EA	41529	NZ-008 1/2 GALLON NOZZLE	
HUM-100, HYDRO-120	5	EA	41534	NZ-012 1 GALLON NOZZLE	
HUM-100, HYDRO-120	1	EA	41532	S-24 SOLENOID	
HUM-100, HYDRO-120	5	EA	41533	W-500 WATER FILTER	

ESP ENERGY SAVING PRODUCTS

Universal Humidifier Solenoid

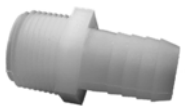


All appropriate fittings are included in this kit with a universal bracket. Flow can easily be reversed by removing two screws, turning the solenoid 180°, and replacing the screws.

NOTE **Not** for use with the GeneralAire 1099 and 1042 Legacy flow-through, bypass humidifiers.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76772	UHS24 24V UNIVERSAL HUMIDIFIER SOLENOID	

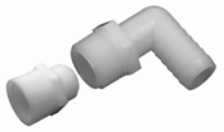
Humidifier Installation Supplies



701-012



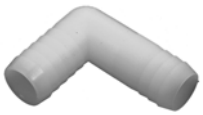
701-020



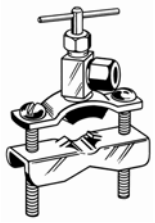
701-019



701-034



701-018



STV2LL

Clear Vinyl Drain Hose

Sold In Full Cartons Only

OD (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4 CTNS	PC-2 5 CTNS
1/4	1	PKG	41624	79131 (100FT) 1/4 ID VINYL HOSE		
1/2	1	PKG	41613	79132 (100FT) 5137 3/8 ID VINYL HOSE		
5/8	1	PKG	41614	79133 (100FT) 5150 1/2 ID VINYL HOSE		
3/4	1	PKG	41615	79134 (100FT) 5162 5/8 ID VINYL HOSE		
29/32	1	PKG	41612	79135 (100FT) 3/4 ID VINYL HOSE		

Fittings for Drain Hose

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	41578	701-012 3/8 BARB X 1/2 MPT ADAPTER 2/PKG	
1	PKG	41580	701-020 1/2 BARB X 3/4 MPT ELBOW 2/PKG	
1	PKG	41581	701-019 1/2 BARB X 3/4 FPT ELBOW 2/PKG	
1	PKG	41582	701-034 1/2IN BARB TEE 2/PKG	
1	PKG	41583	701-018 1/2IN BARB ELBOW 2/PKG	

Saddle Valve Fits Copper Tubing from 3/8

10	EA	45730	STV2LL SADDLE TAP VALVE LOW LEAD	

HVAC Carbon Block



The HVAC Carbon Block can be added to any ducted HVAC system to immediately remove odor and provide cleaner, healthier air to any indoor environment. Using a unique combination of carbon and minerals, the Carbon Block absorbs many odors and harmful chemical pollutants found in the air inside homes, offices, and other buildings. Simply install the HVAC Carbon Block in the air handler against the outlet side of the existing air filter.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	91399	61062 CACB10 HVAC CARBON BLOCK IN-DUCT SYSTEM		

GA50 Series High Efficiency Electronic Air Cleaners



The GeneralAire High Efficiency Electronic Air Cleaner removes airborne pollutants as small as 0.01 micron. The air cleaner is environmentally friendly with its lifetime filter system that never needs replacing.

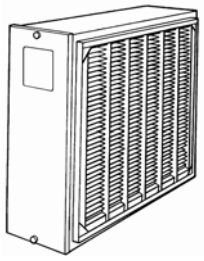
- Carbon filters that remove gaseous odors
- Dual indicator lights show unit operation at a glance
- Electronic air proving switch cycles air cleaner on/off with system fan

Model No.	Rated Air Flow (cfm)	Initial Efficiency (Microns)			Rated Voltage	Duct Opening (H x W)	Dimensions (W x D x H)	Shipping Weight (Lbs.)
		0.3 to 1.0	1.0 to 3.0	3.0 to 10.0				
GA50A14	1400	76.5%	94.0%	99.2%	120V-1PH/60Hz	13-9/16 x 24-1/8	7-1/2 x 25-13/16 x 19-13/16	37
GA50A20	2000	74.2%	91.0%	96.2%	120V-1PH/60Hz	18 x 23-5/16	7-1/2 x 25-13/16 x 25-11/16	41

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	40001	GA50A14 1400CFM 120V 16X25X7 CHROMIUM ELECTRONIC AIR CLEANER			
1	EA	40002	GA50A20 2000CFM 120V 20X25X7 CHROMIUM ELECTRONIC AIR CLEANER			

Replacement Media

For AC1 Air Cleaner



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
9	EA	45701	12758 MERV 11 MICRO FIBER EXPANDABLE MEDIA FOR AC1	

MAC Series Media Air Cleaners



MAC-L



MAC2400G
MAC 3000G



MAC2000, 2020,
MAC1400, 1200



MAC-PP

MAC Series Features

- Removes airborne particulates as small as 0.04 microns
- Hydrophobic (resists moisture) filter media
- 10 year warranty

MAC 1200, 1400, 2020, 2000,

- Thermoplastic "snap action" molded door

MAC2400G and MAC 3000G

- Galvanized cabinet with "lift & tilt" metal door

MAC-L

- Right angle unit with "lift and tilt" metal door

MAC-PP (Perfect Platform)

- Adjustable blower/furnace opening (19" to 22.5").
- Return duct connection can be adjusted to either a 10" or 12" duct
- Space saving design for vertical installations, keeps furnace off floor, allowing a clean, professional installation
- Allows furnace to work at maximum efficiency and extends life of furnace by providing even air flow distribution accros bottom
- Ideal for high efficiency furnaces, where side returns require more installation time and areinefficient compared to a bottom return
- Allows filter to work at maximum efficiency by eliminating need for transition deflectors or turning vanes, thereby saving installation time and costs
- Made to fit 1–3 ton or 3.5 ton electric air handlers or gas furnaces

Model No.	Rated Air Flow (CFM)	MERV Rating	Min. Average Efficiency 1.0 to 3.0 Microns	Media Size H x W x D (In)	Shipping Weight (Lbs)
MAC1200	1200	8	53.1%	16 x 25 x 4 x 3	11
MAC1400	1400	10	61.8%	16 x 25 x 5	13
MAC2400G	1400	11	75.0%	16 x 25 x 5	15
MAC2020	1400	10	61.8%	20 x 20 x 5	14
MAC2000	2000	10	61.8%	20 x 25 x 5	14
MAC3000G	2000	11	75%	20 x 25 x 5	16
MAC-L	2000	10	61.8%	20 x 25 x 5	32
MAC-PP	2000	11	75%	16 x 25 x 5 or 20 x 25 x 5	58

Media Air Cleaners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	40008	MAC1200 4520 16X25X3 MERV 8 MINI-MAC MEDIA AIR CLEANER			
1	EA	40006	MAC1400 4510 16X25X7 MERV 10 MIGHTY MAC MEDIA AIR CLEANER			
1	EA	40035	MAC2400G 4542 16X25X7 MERV 11 GALV CAB W/METAL DOOR MEDIA A/C			
1	EA	40004	MAC2000 4500 20X25X7 MERV 10 MEGA MAC MEDIA AIR CLEANER			
1	EA	40005	MAC2020 4530 20X20X7 MERV 10 MEDIA AIR CLEANER			
1	EA	40036	MAC3000G 4532 20X25X7 MERV 11 GALV CAB W/METAL DOOR MEDIA A/C			
1	EA	40007	MAC-L 4540 24.5X25.75X15.5 MERV 10 RIGHT ANGLE MEDIA AIR CLEANER			
1	EA	40033	MAC-PP PERFECT PLATFORM 4545 28X43 MERV11 GAVL METAL DOOR MEDIA AIR CLEANER			

Replacement Media

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
MAC1200	10	EA	40031	3FM1625 4521 16X25X3 MERV 8 REPLACEMENT MEDIA FOR MAC1200	
MAC1400	6	EA	40029	5FM1625 4511 16X25X5 MERV 10 REPLACEMENT MEDIA FOR MAC1400	
MAC2020	6	EA	40028	5FM2020 4531 20X20X5 MERV 10 MEDIA FOR MAC2020 & MAC2020M	
MAC2000, 3000G, -L	6	EA	40030	5FM2025 4501 20X25X5 MERV 10 MEDIA FOR MAC2000 AND MAC-L	
MAC2000, 3000G, -L, -PP	3	EA	45739	6FM2025 4551 20X25X5 MERV 11 MEDIA FOR MAC 3000G, 2000, -L	

Aprilaire® 1000 Series Media Air Cleaners



- Unit operation is completely silent
- Outer housing is heavy gauge, preassembled galvanized steel
- Self-aligning painted door easily snaps into place every time
- Cabinet and media are UL classified
- Media permanently traps up to 85% of pollen-sized particles (5.0 microns)
- Media permanently traps up to 80% of mold and spore-sized particles (3.0 microns)
- Media permanently traps 50% of respirable dust particles (1.0 to 3.0 microns)

Model No.	Outside Dimensions H x W x D (In)	Duct Opening H x W (In)		Filtering Area (Sq Ft)	Resistance @ Airflow Volume (In wc @ CFM)		Shipping Weight (Lbs)
1210	22-1/16 x 6-3/4 x 27-3/8	19-3/4 x 21-3/16		28	.04 @ 600 .06 @ 800 .08 @ 1000 .11 @ 1200	.13 @ 1400 .16 @ 1600 .19 @ 1800 .22 @ 2000	18
1310	20-3/8 x 6-3/4 x 22-1/16	18-1/16 x 15-7/8		21.3	. 06'@600 .10'@800	.14'@1000 .19@1200	15
1410	17-3/4 x 6-3/4 x 30-1/18	15-7/16 x 17-3/8		24.5	.05 @ 600 .07 @ 800 .09 @ 1000 .12 @ 1200	.15 @ 1400 .19 @ 1600 .22 @ 1800 .27 @ 2000	17
1510	30.06 x 31.01 x 6.75	Duct Opening Inlet (In)	Outlet (In)	43.5	.04 @ 1000 .05 @ 1200 .06 @ 1400 .07 @ 1600 .09 @ 1800 .10 @2000	12 @ 2200 14 @ 2400 15 @ 2600 17 @ 2800 19 @ 3000	23.3
		28.73 x 23.88	28.73 x 23.88				
1610	17-13/16 x 15-11/16 x 30-3/32	Duct Opening Inlet (In)	Outlet (In)	24.5	.05 @ 600 .07 @ 800 .09 @ 1000 .12 @ 1200	.15 @ 1400 .19 @ 1600 .22 @1800 .27 @2000	22
		8-3/32 to 10-3/32 H x 24-3/32	15-1/2 H x 22 W				

1000 Series Media Air Cleaners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-10	PC-3 11-24	PC-4 25
30	EA	41407	1210 MERV11 20X25 1000 SERIES MEDIA AIR CLEANER				
30	EA	41299	1310 MERV 11 20X20 MEDIA AIR CLEANER				
20	EA	41408	1410 MERV11 16X25 1000 SERIES MEDIA AIR CLEANER				
16	EA	41759	1510 MERV11 MEDIA AIR CLEANER				
8	EA	41592	1610 WHOLE HOUSE MEDIA AIR CLEANER				

Replacement Media

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
8	EA	41413	210 MERV11 20X25 REPLACEMENT MEDIA FOR 1210	
8	EA	41415	310 MERV 11 REPLACEMENT MEDIA FOR 1310	
8	EA	41414	410 MERV11 16X25 REPLACEMENT MEDIA FOR 1410	
8	EA	41762	510 MERV 11 FILTER FOR 1510 AIR CLEANER	
8	EA	41425	613 MERV 13 16X25X4 MEDIA FILTER	

Aprilaire® 2000 Series Media Air Cleaners



Permanently traps and removes 93% of pollen-sized particles and 91% of mold and spore-sized particles.

Model No.	Outside Dimensions H x W x D (In)	Duct Opening		Filtering Area (Sq Ft)	Capacity Resistance (In wc)	
		Inlet H x W (In)	Outlet H x W (In)			
2416	17-3/4 x 6-3/4 x 28-1/16	15-7/16 x 23-7/8	15-7/16 x 23-7/8	42.3	.07@400 .11@600 .15@800	.21@1000 .28@1200 .36@1400
2216	22-5/16 x 6-3/4 x 25-3/8	19-3/4 x 21-3/16	19-3/4 x 21-3/16	47.8	.06@400 .09@600 .13@ 800 .17@1000	.23@1200 .29@1400 .36@1600
2410	17-3/4x 6-3/4 x 28.06	15.44 x 23.88	15.44 x 23.88	28.3	.06 @ 600 .09 @ 800 .13 @ 1000 .17 @ 1200	.22 @ 1400 .26 @ 1600 .31 @ 1800 .37 @ 2000
2210	22.06x 6-3/4 x 25.38	19-3/4 x 21.19	19-3/4 x 21-9/16	31.4	.06 @ 600 .09 @ 800 .12 @ 1000 .16 @ 1200	.20 @ 1400 .25 @ 1600 .30 @ 1800 .35 @ 2000

2000 Series Media Air Cleaners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-10	PC-3 11-24	PC-4 25
1	EA	41335	2416 MERV16 16X25 MEDIA AIR CLEANER				
1	EA	41334	2216 MERV 16 20X25 AIR CLEANER MEDIA				
20	EA	41410	2410 MERV13 16X25 2000 SERIES MEDIA AIR CLEANER				
30	EA	41409	2210 MERV13 20X25 2000 SERIES MEDIA AIR CLEANER				

Accessories

Used on the Following Models	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2200, 2250	10	EA	41305	201 AIR CLEANER MEDIA 2200 2250	
2216	6	EA	41336	216 MERV 16 20X25 FILTER FOR 2216 MEDIA AIR CLEANER	
2600	10	EA	41306	261 AIR CLEANER MEDIA 2600	
2275	10	EA	41325	275 SPACE-GARD FILTER	
2400	10	EA	41307	401 AIR CLEANER MEDIA 2400	
2410, 4400	8	EA	41317	413 MERV13 REPLACEMENT MEDIA FILTER FOR 4400 & 2410	
2416	6	EA	41337	416 MERV 16 16X25 FILTER FOR 2416 MEDIA AIR CLEANER	
1410, 2410, 3410	8	EA	41425	613 MERV 13 16X25X4 MEDIA FILTER	
Honeywell, Trion, etc.	8	EA	41426	810 MERV 11 20X25X4 MEDIA FILTER	
2200	6	EA	41326	1213 2200 UPGRADE KIT FOR MEDIA AIR CLEANER	
2400	6	EA	41327	1413 2400 UPGRADE KIT FOR MEDIA AIR CLEANER	
2200, 2250, 2600	5	EA	41311	4119 PLEAT SPACER 4120	
2200, 2250	1	EA	41312	4121 HOLDING BRACKET	
2400	6	EA	41313	4270 PLEAT SPACERS	
2400	1	EA	41732	4347 2400 DOOR WITH SEAL	
2200	1	EA	70014	4822 2200 DOOR WITH SEAL WAS 4344	
2200	6	EA	41318	4893 FRAME ONLY FOR 1213	
2200	20	EA	41319	4895 FOAM INSERT ONLY FOR 1213	
2400	6	EA	41322	4894 FRAME ONLY FOR 1413	
2400	20	EA	41323	4896 FOAM INSERT ONLY FOR 1413	
2200	12	EA	78095	POPUP2200/U RP 2200 MEDIA REPLACEMENT FILTER	
2400	12	EA	78096	POPUP2400/U RP 2400 MEDIA REPLACEMENT FILTER	

3000 Series Media Air Cleaners



- Unit operation is completely silent
- Outer housing is heavy gauge, preassembled galvanized steel, with an electrostatic painted finish
- Self-aligning door easily snaps into place every time
- Cabinet and media are UL classified

Model No.	Outside Dimensions H x W x D (In)	Duct Opening H x W (In)	Filtering Area (Sq Ft)	Resistance @ Airflow Volume (In wc @ CFM)		Shipping Weight (Lbs)
3210	20.06 x 6-3/4 x 25.38	19.75 x 21.19	31.4	.06 @ 600 .09 @ 800 .12 @ 1000 .16 @ 1200	.20 @ 1400 .25 @ 1600 .30 @ 1800 .35 @ 2000	18.6
3410	17-3/4 x 6-3/4 x 28.06	15.44 x 23.88	28.8	.06 @ 600 .09 @ 800 .13 @ 1000 .17 @ 1200	.22 @ 1400 .26 @ 1600 .31 @ 1800 .37 @ 2000	17.6

3000 Series Media Air Cleaners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-10	PC-3 11-24	PC-4 25
30	EA	41411	3210 MERV13 20X25 3000 SERIES MEDIA AIR CLEANER				
20	EA	41412	3410 MERV13 16X25 3000 SERIES MEDIA AIR CLEANER				

Accessories

STD PKG.	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
8	EA	41413	210 MERV11 20X25 REPLACEMENT MEDIA FOR 1210	
8	EA	41316	213 MERV13 REPLACEMENT MEDIA FILTER FOR 4200 3210 & 2210	
8	EA	41425	613 MERV 13 16X25X4 MEDIA FILTER	

4000 Media Air Cleaners



4200



4400

- Collapsible media with automatic pleat spacing installs in seconds
- Narrower 6.75"cabinet for easier installations and more flexible applications
- SelfSeal™dramatically reduces air bypass, improving filtering performance
- Self-aligning door easily snaps into place every time

Model No.	Outside Dimensions D x H x W (In)	Duct Opening H x W (In)	Filtering Area (Sq. Ft)	Resistance @ Airflow Volume (In. w.c. @ CFM)		Shipping Weight (Lbs)
4200	27-3/8 x 22-1/16 x 6-3/4	19.75 x 21.19	.09 @ 800 .12 @ 1000 .16 @ 1200	.20 @ 1400 .25 @ 1600 .30 @ 1800 .35 @ 2000	18.5	18.6
4400	30-1/16 x 17-3/4 x 6-3/4	15.44 x 23.88	.09 @ 800 .13 @ 1000 .17@ 1200	.22 @ 1400 .26 @ 1600 .31 @ 1800 .37 @ 1800	17.6	17.6

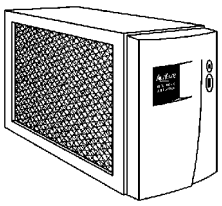
4000 Series Media Air Cleaners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-10	PC-3 11-24	PC-4 25
30	EA	41309	4200 MEDIA AIR CLEANER				
20	EA	41310	4400 MEDIA AIR CLEANER				

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
8	EA	41316	213 MERV13 REPLACEMENT MEDIA FILTER FOR 4200 3210 & 2210	
8	EA	41317	413 MERV13 REPLACEMENT MEDIA FILTER FOR 4400 & 2410	

Aprilaire® 5000 Electronic Air Cleaner



The patented technology "Electrically Enhanced Air Filtration" provides increased performance by positively charging airborne particles and capturing them on "grounded microfiber media."

- Removes in excess of 90% of tiny airborne bacteria as small as 0.30 micron.
- Reduces by 5 times the number of microscopic particles (0.35 micron) that cause allergies, respiratory problems, and smudging on home furnishings that pass through a typical plate type air cleaner.
- Removes 86% of smoke particulate.
- Removes in excess of 99% of fungus, mold spores, pollens, and plant spores that can cause allergy problems.
- Fits easily to 24" return drop.

Dimensions

- Unit without door assembly/power pack: 17-3/4" x 28-1/8" x 11-1/2"
- Unit with door assembly/power pack: 17-3/4" x 31-1/8" x 11-1/2"
- Inlet opening: 14-3/4" x 23-7/8"
- Outlet opening: 14-3/4" x 24-7/8"

Power Requirements

- 120 VAC 60Hz, unit equipped with 5 ft. grounded cord with plug

Current

- 0.3 amps maximum

Resistance @ Airflow Volume (inches w.c. @ CFM)

- .10" @ 1000
- .14" @ 1200
- .17" @ 1400
- .21" @ 1600
- .25" @ 1800
- .29" @ 2000

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	41304	5000 WHOLE HOME APRILAIRE ELECT AIR CLEANER	

Accessories

1	EA	41308	501 5000 APRILAIRE 5000 EAC MEDIA	
1	EA	41794	4311 5000 CONTROL ELECTRODE	
2	PKG	41796	4313 5000 MEDIA GROUND CONTACT	
3	EA	41798	4315 5000 IONIZER WIRE	
1	EA	41792	4598 5000 IONIZER FRAME ASSBLY	

indigo Residential Air Cleaner Filter

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	63336	2400.2103 INDIGO M8 RAC 20X20X5 AB	

TRION® Electronic Air Cleaner Parts

Duct Mount

Parts for SE 1400

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63225	123324-005 16IN X 12 5/16IN PRE-FILTER (2 REQD)	
1	EA	63228	227833-003 16IN X 12IN CHARCOAL FILTER (2 REQD)	
1	EA	63318	248090-001 ELEC AIR FLOW SENSOR	
1	EA	63309	348818-001A POWER SUPPLY ASSY W/AFS	
1	EA	63325	447960-001 ION COLLECTING CELL	

Parts for HE 1400

1	EA	63225	123324-005 16IN X 12 5/16IN PRE-FILTER (2 REQD)	
1	EA	63318	248090-001 ELEC AIR FLOW SENSOR	
1	EA	63228	227833-003 16IN X 12IN CHARCOAL FILTER (2 REQD)	
1	EA	63309	348818-001A POWER SUPPLY ASSY W/AFS	

Parts for HE 2000

1	EA	63232	123324-004 20IN X 12 5/16IN PRE-FILTER	
1	EA	63241	220110-029 ION WIRE ASSY	
1	EA	63231	227833-004 20IN X 12IN CHARCOAL FILTER (2 REQD)	
1	EA	63318	248090-001 ELEC AIR FLOW SENSOR	
1	EA	63309	348818-001A POWER SUPPLY ASSY W/AFS	

Parts for IAQ 1400

1	EA	63225	123324-005 16IN X 12 5/16IN PRE-FILTER (2 REQD)	
1	EA	63228	227833-003 16IN X 12IN CHARCOAL FILTER (2 REQD)	
1	EA	63304	341677-601B 1400/2000 POWER SUPPLY	

Parts for IAQ 2000

1	EA	63232	123324-004 20IN X 12 5/16IN PRE-FILTER	
1	EA	63241	220110-029 ION WIRE ASSY	
1	EA	63231	227833-004 20IN X 12IN CHARCOAL FILTER (2 REQD)	
1	EA	63304	341677-601B 1400/2000 POWER SUPPLY	

Parts for Trim TX

1	EA	63223	123324-008 16IN X 25IN PRE-FILTER	
1	EA	63228	227833-003 16IN X 12IN CHARCOAL FILTER (2 REQD)	
1	EA	63304	341677-601B 1400/2000 POWER SUPPLY	

Parts for Max 5 1400

1	EA	63225	123324-005 16IN X 12 5/16IN PRE-FILTER (2 REQD)	
1	EA	63228	227833-003 16IN X 12IN CHARCOAL FILTER (2 REQD)	
1	EA	63304	341677-601B 1400/2000 POWER SUPPLY	

Parts for Max 5 2000

1	EA	63232	123324-004 20IN X 12 5/16IN PRE-FILTER	
1	EA	63241	220110-029 ION WIRE ASSY	
1	EA	63231	227833-004 20IN X 12IN CHARCOAL FILTER (2 REQD)	
1	EA	63304	341677-601B 1400/2000 POWER SUPPLY	

Parts for the TGM2 1000 and 2000

1	EA	63232	123324-004 20IN X 12 5/16IN PRE-FILTER	
1	EA	63304	341677-601B 1400/2000 POWER SUPPLY	

TRION® Parts for CAC-1000 Space Saver

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63291	132309-001 15.81IN X 15.81IN CHARCOAL FILTER	
1	EA	63297	135384-001 REMOTE CONTROL	
1	EA	63292	243155-001 3 SPD 1/15 HP MOTOR	

Honeywell F52F Return Grille Electronic Air Cleaner



The F52F Return Grille Electronic Air Cleaner is wall or ceiling mounted in the main return air duct of a central forced air heating, cooling, or ventilation system. It removes airborn particles such as dust, soot, pollen, tobacco, and cooking smoke from the air circulated through the cells.

Solid state power supply is energized by an airflow switch; no interconnection to fan system is required. Solid state power supply is self-regulating and maintains peak efficiency during a wide range of cell dirt-loading conditions.

Features include a pre-filter, neon light that shows the air cleaner is operating, automatic interlock switch that disconnects the power when unit is opened, electronic cell(s) that can be washed in most automatic dishwashers, and vertical or horizontal mounting

Optional W8600E Solid State Performance Indicator monitors air cleaner performance, informs owner when cell washing is overdue, and indicates need for system check.

Model No.	Airflow Cap. (CFM)	System Size (In.)	No. Cells	Maximum Current		Installed Weight
				120V 60 Hz.	220/240V 50/60 Hz.	
F52F 1055	2000	20 x 25	2	0.4	0.2	45.3

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74877	F52F1055/U 20 X 25 RETURN GRILLE EAC	

Honeywell FC40R Return Grille Media Air Filters



Provides high efficiency, long life alternative to one inch filter. It captures a significant amount of the airbourne particles in the air that circulates through the filter.

Mounts in most return filter grilles. Pleated for greater media capacity. Low pressure drop provides a comfortable air flow. Maintains equipment efficiency longer than standard filters.

Efficiency Standard: Efficiency ratings are based on ASHRAE Standard 52.2-1999.
Efficiency ranges are defined for:
Small particles: E1=0.3 to 1.0 microns
Medium particles: E2=1.0 to 3.0 microns
Large particles: E3=3.0 to 10.0 microns.
Fractional Efficiency:
E1=22%, E2=53%, E3=78%
MERV 10

Max. Airflow Capacity	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
800	5	EA	78199	FC40R1037/U 12 X 24 RETURN GRILLE FILTER	
750	5	EA	78159	FC40R1110/U 14 X 20 RETURN GRILLE FILTER	
950	5	EA	78203	FC40R1128/U 14 X 24 RETURN GRILLE FILTER	
1000	5	EA	78201	FC40R1045/U 14 X 25 RETURN GRILLE FILTER	
1200	5	EA	78204	FC40R1169/U 14 X 30 RETURN GRILLE FILTER	
900	5	EA	78160	FC40R1052/U 16 X 20 RETURN GRILLE FILTER	
1150	5	EA	78202	FC40R1060/U 16 X 25 RETURN GRILLE FILTER	
1250	5	EA	78078	FC40R1136/U 18X24 RETURN GRILLE FILTER	
1150	5	EA	78161	FC40R1003/U 20 X 20 RETURN GRILLE FILTER	
1450	5	EA	78197	FC40R1011/U 20 X 25 RETURN GRILLE FILTER	
1800	5	EA	78200	FC40R 1029/U7820 20 X 30 RETURN GRILLE FILTER	
1700	5	EA	78198	FC40R1078/U 24 X 24 RETURN GRILLE FILTER	

Honeywell F100F Media Air Cleaners

MERV 11



- Captures up to 96% of airborne particles (3.0 to 10.0 microns) passing through the HVAC system. Based on ASHRAE Standard 52.2-2007.
- Lasts four times longer thana standard 1" furnace filter. Replace every 6 to 12 months versus monthly or quarterly changes with a 1" filter.
- Works with most gas, oil and electric forced air furnaces and air conditioning systems.
- Low Pressure Drop: 0.23 in. wc
- Warranty: 5 Years

Model No.	Rated Airflow	Dimensions (H x D x W)	Media Size (H x D x W)
F100F1620/U	1200	16-3/16 x 20-1/2 x 6-3/4	14-7/16 x 18-1/4 x 5-1/8
F100F2020/U	1400	16-3/16 x 25-1/2 x 6-3/4	14-7/16 x 23-1/4 x 5-1/8
F100F1625/U	1400	20-3/16 x 20-1/2 x 6-3/4	18-7/16 x 18-1/4 x 5-1/8
F100F2025/U	2000	20-3/16 x 25-1/2 x 6-3/4	18-7/16 x 23-1/4 x 5-1/8

F100F Media Air Cleaner

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	78070	F100F1620/U 16X20 MEDIA AIR CLEANER	
5	EA	78071	F100F2020/U 20X20 MEDIA AIR CLEANER	
5	EA	78072	F100F1625/U 16X25 MEDIA AIR CLEANER	
5	EA	78073	F100F2025/U 20X25 MEDIA AIR CLEANER	

MERV 11 Replacement Filters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
5	EA	78105	FC100A1003/U 16X20 FILTER FOR F100F/F150E		
5	EA	78104	FC100A1029/U 16X25 FILTER FOR F100F/F150E		
5	EA	78099	FC100A1052/U 20X12.5 FILTER		
5	EA	78106	FC100A1011/U 20X20 FILTER FOR F100F/F150E		
5	EA	78107	FC100A1037/U 20X25 FILTER FOR F100F/F150E		
5	EA	78077	FC100A1045/U 21 1/2 X 27 1/2 FILTER FOR F100F/F150E		

MERV 11 PopUp™ Replacement Filters

12	EA	78094	POPUP1620/U 16 X 20 MEDIA REPLACEMENT FILTER		
12	EA	78093	POPUP1625/U 16 X 25 MEDIA REPLACEMENT FILTER		
12	EA	78092	POPUP2020/U 20 X 20 MEDIA REPLACEMENT FILTER		
12	EA	78091	POPUP2025/U 20 X 25 MEDIA REPLACEMENT FILTER		

Honeywell enviracaire ELITE whole-house air quality system

F300E Electronic Air Cleaners



The F300E electronic air cleaner is mounted in the return air duct of a forced air heating, cooling, or ventilating system. It captures a significant amount of the airborne particles 0.3 microns and larger from the air circulated through it.

- Solid state power supply is self-regulating and maintains peak efficiency during a wide range of cell dirt loading conditions.
- Pressure drop is approximately equal to that of a regular fiberglass filter.
- Optional wireless W8600A AIRWATCH™ LCD indicator provides reminder when air cleaner electronic cells need washing, as well as reminder when UV lamps need replacing, and when humidifier pad needs replacing.
- Neon light next to on-off switch tells if air cleaner is powered and if high voltage is present.
- Prefilter screens protect cells from large dirt particles.
- U.L. Listed

Electrical Ratings

- Voltage and Frequency: 120V, 60 Hz. Can be converted in the field to 240V.
- Power Consumption: 36W maximum.
- Ionizer Voltage: 8150 Vdc.
- Collector Voltage: 4075 Vdc.

Efficiency

- 70% on 0.3 micron particles at 500 fpm.
- 90% on 1.0 micron particles at 500 fpm.
- 99% on 10.0 micron particles at 500 fpm.

Electronic Air Cleaners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3-5	PC-3 6
1	EA	78119	F300E1001/U 16X20 1200CFM EAC			
1	EA	78118	F300E1019/U 16X25 1400CFM EAC			
1	EA	78120	F300E1027/U 20X20 1400CFM EAC			
1	EA	78121	F300E1035/U 20X25 2000CFM EAC			

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74878	208418J/U 16 X 20 POWER BOX ASSY FOR F300E	
1	EA	74881	PS1201B25/U 20 X 25 POWER BOX ASSY FOR F300E	
2	EA	74888	4074EZB/U AIR SWITCH	
1	PKG	78162	50000293-001/U 16X20 POST FILTER (2/PKG) F/F300	
1	PKG	78163	50000293-002/U 16X25 POST FILTER (2/PKG) F/F300	
1	PKG	78164	50000293-003/U 20X20 POST FILTER (2/PKG) F/F300	
1	PKG	78165	50000293-004/U 20X25 POST FILTER (2/PKG) F/F300	

Honeywell TrueCLEAN™ Replacement Filters

MERV 15

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	78084	FR8000A1620/U 16 X 20 TRUECLEAN MEDIA REPLACEMENT FILTER	
5	EA	78082	FR8000F1625/U 16 X 25 TRUECLEAN MEDIA REPLACEMENT FILTER	
5	EA	78085	FR8000A2020/U 20 X 20 TRUECLEAN MEDIA REPLACEMENT FILTER	
5	EA	78083	FR8000F2025/U 20 X 25 TRUECLEAN MEDIA REPLACEMENT FILTER	
5	EA	78086	FR8000A2520/U 25 X 20 TRUECLEAN MEDIA REPLACEMENT FILTER	

Honeywell Replacement Filters for F200E


FC200E



PopUp™

MERV 13 Replacement Filters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
5	EA	78113	FC200E1003/U 16X20 FILTER FOR F200E 1003		
5	EA	78112	FC200E1029/U 16X25 FILTER FOR F200E 1029		
5	EA	78114	FC200E1011/U 20X20 FILTER FOR F200E 1011		
5	EA	78115	FC200E1037/U 20X25 FILTER FOR F200E 1037		

MERV 11 Pop-Up Replacement Filters

12	EA	78094	POPUP1620/U 16 X 20 MEDIA REPLACEMENT FILTER		
12	EA	78093	POPUP1625/U 16 X 25 MEDIA REPLACEMENT FILTER		
12	EA	78092	POPUP2020/U 20 X 20 MEDIA REPLACEMENT FILTER		
12	EA	78091	POPUP2025/U 20 X 25 MEDIA REPLACEMENT FILTER		

Honeywell Accessories and Parts for F Series Air Cleaners



W8600 Solid State Performance Indicator

The W8600 provides remote performance indication for F50 and F52E Electronic Air Cleaners. on light indicates EAC is on, wash indicates cell washing is overdue, check indicates service or adjustment is needed. Mounts on wall at any convenient location in the living area of the home. For use with F50, F100, F150, F200, and F300 air cleaners.

W8600 Series Remote Indicators

Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Any Air Cleaner	20	EA	78144	W8600A 1007 REMOTE INDICATOR	
Series 2 F50F*, F300	20	EA	74854	W8600F 1014 REMOTE INDICATOR WHITE	

* The series can be identified on the inside of the cabinet door of the air cleaner. For example: F50F 1073 2.

Air Cleaner Parts

Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
F50, F300	1	EA	74564	123773A/U SAIL ASSEMBLY	
F50, F300	5	EA	74902	136434AA/U 20IN IONIZING WIRE	
F50, F300	5	EA	74901	136434BA/U 16IN IONIZING WIRE	
F50, F300	2	EA	74898	137266/U CELL HANDLE	
F50, F300	2	EA	74899	199840 INDICATOR LIGHT	
F50F, F300	1	PKG	74924	203371/U 16X12.5 PREFILTERS FOR 16 X 25	
F50F, F300	1	PKG	74925	203372/U 20X12.5 PREFILTERS FOR 20 X 25	
F50F, F300	1	PKG	74926	203373/U 20X10 PREFILTERS FOR 20 X 20	
F50	1	EA	74900	4074EHG/U CELL CONTACT BOARD	
F50F, F300	2	EA	74934	4074ETH/U AIR FLOW SWITCH	
F50, F300	2	EA	74890	FC37A1064/U 20X12.5 CELL FOR 74859	
F50, F300	2	EA	74891	FC37A1130/U 16X12.5 CELL FOR 74858	
All	12	EA	72714	S688A1007/U AIRFLOW SWITCH	

Power Boards

Use With	Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
F50F 1032, 1040, 1057, 1065, 1073	c	2	EA	74844	PS1202A00 POWR BOARD F/SERIES 2 F50/F300	
F50F 1149	c	2	EA	74843	208045J POWR BOARD F/SERIES 2 F50/F300	
F50F1040, 1057		2	EA	74845	208414C POWER BOARD	
F50F 1065, 1073		2	EA	74957	PS1202B25 POWER BOX ASSY	
F50A 1009, 1017, 1124; F50E 1000, 1018, 1083	a, b	1	EA	74954	208425A POWER BOARD	

a Ionizer current output selected by moving J6 jumper on power supply circuit board.

b Requires boot modification. (Drill hole to accomodate air flow switch.)

c For Series 2 Air Cleaners.

TRION® Electronic Air Cleaner Parts

Duct Mount

Parts for TTM II Trim T

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63300	435940-005 CONVERSION KIT	

Parts for TTM II 1400 & TTMMII 2000

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63299	435940-003 CONVERSION KIT	

TRION® Ion Wire Assembly for TGM 1000 and 2000 EAC

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63241	220110-029 ION WIRE ASSEMBLY	

White-Rodgers SST Series Electronic Air Cleaner Filters and Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77962	F811-0319 COLLECTING CELL F/SST2000 (2)	
1	EA	77963	F811-0321 COLLECTING CELL F/SST1600 (2)	
1	EA	77964	F811-0397 COLLECTING CELL F/SST1400 (2)	
1	EA	77965	F811-0398 COLLECTING CELL F/SST1000 (2)	
1	EA	77967	F825-0338 PRE-FILTER F/SST2000 (2)	
1	EA	77968	F825-0431 PRE-FILTER F/SST1000 (2)	
1	EA	77969	F825-0432 PRE-FILTER F/SST1400 (2)	
1	EA	77971	F825-0467 CHARCOAL FILTER F/SST1400 (2)	
1	EA	77973	F825-0469 CHARCOAL FILTER F/SST2000 (2)	
1	EA	77978	F881-0240 240V CONVERSION KIT F/SST	

White-Rodgers Replacement Filters for ACM Media Air Cleaners

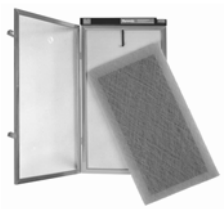
4" Replacement Media

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3	EA	77936	FR1000M-108 MERV 8 16IN X 20IN X 4IN MEDIA REPLACEMENT FILTER	
3	EA	77937	FR1400M-108 MERV 8 16IN X 25IN X 4IN MEDIA REPLACEMENT FILTER	
3	EA	77938	FR1600M-108 MERV 8 20IN X 20IN X4IN MEDIA REPLACEMENT FILTER	
3	EA	77939	FR2000M-108 MERV 8 20IN X 25IN X 4IN MEDIA REPLACEMENT FILTER	

5" Replacement Media

3	EA	77979	FR1000-100 16X20 FILTER REPLACEMENT F/ACM1000	
3	EA	77980	FR1400-100 16X26 FILTER REPLACEMENT F/ACM1400	
3	EA	77981	FR1600-100 20X20 FILTER REPLACEMENT F/ACM1600	
3	EA	77982	FR2000-100 20X26 FILTER REPLACEMENT F/ACM2000	

Dynamic Air Cleaner. Polarized-Media Electronic Air Cleaners



Dynamic air cleaners are high-efficiency, whole-house electronic air cleaners with an equivalency rating of MERV 13. These air cleaners remove difficult odors and provide a capture efficiency of 97% down to .3 microns. This is accomplished using a unique, disposable, low-static, polarized media pad with an activated charcoal center screen.

Dynamic Air Cleaners install quickly without costly ductwork reconfiguration. The one inch panels fit directly into existing filer racks or filter grilles and are powered using simple 24V wiring connected to the central HVAC system. 5 year warranty.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	41125	1P1620C24 16X20X1 PANEL AIR CLEANER	
1	EA	41126	1P1625C24 16X25X1 PANEL AIR CLEANER	
1	EA	41127	1P2020C24 20X20X1 PANEL AIR CLEANER	
1	EA	41128	1P2025C24 20X25X1 PANEL AIR CLEANER	
1	CTN	41129	C3P1620 16X20X1 CARBON 3-PK REPLACEMENT MEDIA	
1	CTN	41130	C3P1625 16X25X1 CARBON 3-PK REPLACEMENT MEDIA	
1	CTN	41131	C3P2020 20X20X1 CARBON 3-PK REPLACEMENT MEDIA	
1	CTN	41132	C3P2025 20X25X1 CARBON 3-PK REPLACEMENT MEDIA	
1	EA	41133	24VPWRPKS 24V POWER PACK	
1	CTN	41135	C3P2424 24X24X1 CARBON 3-PK REPLACEMENT MEDIA	

Honeywell Filters for F500 Whole House HEPA Filtration System



Prefilter

Three-filter System

- An activated carbon filter for odors
- A high-efficiency, pleated, pre-filter that extends the life of the HEPA filter. MERV 8 at 374 fpm.
- A HEPA filter that traps at least 99.97 % of particles 0.3 microns or larger.

Dimensions (In.)

- Carbon Filter: 24 x 12
- Pre-Filter: 24 x 12 x 2
- HEPA Filter: 24 x 12

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	78180	32006026-001/U CARBON FILTER FOR F500A 1000	
6	EA	78181	32006027-001/U PRE FILTER FOR F500A 1000	
1	EA	78182	32006028-001/U HEPA FILTER FOR F500A 1000	

BROAN GuardianPlus AIR SYSTEMS HEPA Prefilter Kit



For use with the following Broan HEPA filtration units.

- GSEH3K
- GSFH1K
- GSHH3K
- GSVH1K

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	41859	ACCGSFHP2 HEPA-PREFILTER KIT	

Ultraviolet Air Treatment System with Smart Lamps



UV100E 1043



UV100E 2009



UV100E 3007, UV100A 1059



UV2400U 1000
Shown with optional Air Bright Odor Absorber #UV2400XPCO1

- SmartLamp Control Algorithm determines UV lamp usage by optimizing lamp run time and lamp starts.
- SmartLamp LED shows lamp life and replacement.
- Automatic brownout and high temperature protection for UV lamps.
- UV-C light kills airborne and surface bacteria.
- UV lamp does not produce ozone.
- Easy lamp maintenance with quick and easy lamp replacement.
- Sealed unit design prevents accidental installer and homeowner contact with high voltage and ultraviolet rays.
- Safe design prevents lamps from lighting unless the base is correctly mounted on the HVAC duct.
- Light pipe to safely view the lamp operation.
- Power cord that plugs into 120 Vac electrical outlet.

Operating Temperature (inside duct): 30° F to 140° F.
Operating Temperature (outside duct): 30° F to 104° F.

Model No.	Type	Bulb Length (In.)	Control Voltage	Mounting	Unit Dimensions H x W x D (In.)
UV100E 1043	Single Lamp	7-7/16	120	Return	7 x 7 x 11-7/26
UV100E 2009	Double Lamp	14-7/8	120	Return	8-1/2 x 10 x 18-7/8
UV100E 3007	Coil Irradiation	14-7/8	120	Coil	7 x 7 x 18-7/8
UV100A1059	Coil Irradiation	14-7/8	120	Return/Coil	7 x 7 x 18-7/8
UV2400U1000/U	Single Lamp	18	240	Return	3-3/4 x 5-1/4 x 22-7/8

UV100E Ultraviolet Air Treatment System

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	78146	UV100E1043/U 1-LAMP UV W/SMART LAMP	—	—
6	EA	78147	UV100E2009/U 2-LAMP UV W/SMART LAMP	—	—
6	EA	78148	UV100E3007/U COIL UV W/SMART LAMP	—	—
6	EA	78167	UV100A1059/U UV COILPLUS LAMP	—	—
12	EA	78177	UV2400U1000/U UV AIR PURIFIER	—	—

UV Replacement Lamps

Electrical Rating	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
18 W	12	EA	78127	UC100E1006/U LAMP FOR UV100E1001/1043	—	—
36 W	12	EA	78129	UC100E1030/U LAMP FOR UV100E1035/3007 1 PER BOX	—	—
18 W	12	EA	78174	UC18W1004/U REPLACEMENT BULB FOR 18W UV DEVICES	—	—
36 W	12	EA	78175	UC36W1006/U REPLACEMENT BULB FOR 36W UV DEVICES	—	—
.68 A	12	EA	78178	UV2400XLAM1/U REPLACEMENT LAMP	—	—
—	12	EA	78179	UV2400XPCO1/U PCO ASSEMBLY FOR UV2400A1000	—	—

UV Air Purifiers



GUV100A83

GUV100A83 UV Air Purifier

Features the H-lamp which is rated at 180 uW/cm^2@1 meter, delivering up to 100 times more germicidal output than other brands.

- 4" W x 8.75" H x 2.75" D
- 36 Watt, 16" UVC germicidal H-lamp
- 120 VAC/240 VAC regulating electronic ballast
- Max 2000 CFM or 4500 sq. ft.



PCO2450

PCO2450 VectorFlo Photocatalytic UV Air Purifier

The VectorFlo creates a low pressure zone around a high output UVC germicidal lamp that increases the exposure time of contaminants to the air purifying process

- 8-1/2" W x 7-3/8" H x 2" D
- 50 Watt, 18" UVC Lamp
- Max 200 CFM or 4000 SqFt.
- High Output Temperature Compensating (HOTC) 120V/240V ballast

UV Air Purifiers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
1	EA	40015	GUV100A83 36W 120/240V 16IN H-LAMP UVC AIR PURIFIER	—	—
1	EA	40013	PCO2450 4840 18IN 120/240V VECTORFLO UVC/PCO AIR PURIFIER	—	—

Replacement Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	40024	GA3501 50VA 120/208/240V PRIMARY TO 24V MULTI-MOUNT TRANSFORMER	—
1	EA	40016	LT-50 UVC 50W 18IN REPLACEMENT GERMICIDAL LAMP PCO2450	—
1	EA	40019	LSK36-UVC16HC 16IN 36W REPLACEMENT LAMP FOR GUV100A83 & GUV25403A	—

TERSus 2000 Technology Air Cleaner

Removes Particulates, Germs, and Gases



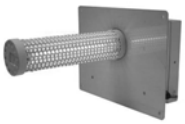
The TERSus 2000 treats all three categories of indoor air pollution.

- MERV 13 electrostatic particle filtration removes pollen, dust, pet dander, etc.
- UV light disinfection kills germs, bacteria, fungi, and more.
- Photocatalytic purification removes volatile organic compounds (VOCs) emitted by solvents, pesticides, alcohols, etc.
- Capacity: 3-1/2 to 5 tons
- Electrical: 120V/60Hz, .6 Amps, 49.2 Watts
- Max Air Flow: 2000 CFM

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	45729	TERSUS 2000 4560 21IN X 25IN X 10IN MERV 13 PCO AIR CLEANER	—
5	EA	45732	FI020 4562 20X25X4 MERV13 REPLACEMENT MEDIA TERUS 2000	—

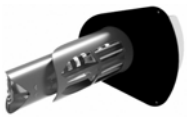
Air Purification Systems

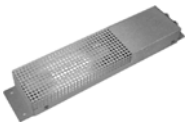

QRP-9


LC-14HO



QUAD-DM


REME-Halo


HVAC-Mini


PIP-16-GA

Guardian PR+ (QRP-9)
- Quick-release design for easy removal of housing and PHI Cell
- Advanced oxidizers destroy pollutants at the source
- Installed in HVAC duct or plenum
- Ions distributed through air handler
- 24 VAC, 0.7 amps, 17 watts
- 300 to 18,000 CFM

Guardian Air PHI Cell 14 In. (LC-14HO-GA-26)
- Light commercial (LC), High Output (HO) unit
- 220 volt, 60 Hz
- 18,000 to 26,000 CFM

QUAD-DM Ion Generator Air Purification
- Reduces particulate, allergens, smoke, bacteria, and mold spores using quad ion emitters for superior bi-polar ionization
- Mount in air-handler—no tools required—using magnetic feet or adhesive tabs
- 24 VAC
- 3-year warranty

REME Halo (REME-H)
- Replaces the REME-HVAC
- Increased hydro-peroxide output speeds microbial kill rate
- Installed in HVAC duct or plenum
- 24 VAC, 0.7 Amps, 17 watts
- 1,000 to 6,500 CFM

MiniPHI Cell (HVAC-MINI)
- Advanced oxidizers destroy pollutants at the source
- Installed in HVAC duct or plenum
- Ion distrubted through air handler
- 12 VDC input, 100–240 VAC switching power supply
- 250 to 6,500 CFM

PIP Plug In Plus (PIP-16-GA)
- Reduces bacteria, mold, odor, and VOCs
- Plugs into wall outlet in any room
- The PIP is air treatment not an air filter
- Controls: on/off/low/high

Dimensions (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5-1/2 Dia. with 9" Probe	1	EA	76215	QRP-9 QRT+ 9IN 24V GUARDIAN AIR PHI CELL	
14-1/2 L x 9 W x 9 D	1	EA	76217	LC-14HO-GA-26 14IN 220V 60HZ LIGHT COMMERCIAL GUARDIAN AIR PHI	
7" L x 2.5" W x 3" H	1	EA	76220	QUAD DM UP TO 6 TONS 24 VAC ION GENERATOR AIR PURIFICATION	
10 L x 4W	1	EA	76216	REME-H 9IN 24V REME HALO	
10-1/2 H x 2-1/4 W x 1-1/4 D	1	EA	76206	HVAC-MINI GUARDIAN AIR	
10 H x 6-1/4 W x 3-3/4 D	1	EA	76201	PIP-16-GA PURE AIR PLUG IN	

Replacement Cells

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76204	PHI-5A PLUG-IN UNIT REPLACEMENT CELL	
1	EA	76211	PHIC-5GA-VSF REPLACEMENT CELL	
1	EA	76205	PHIC-9A ICE MACHINE UNIT REPLACEMENT CELL	
1	EA	76203	PHIC-9C 9" OLD STYLE (SQUARE) REPLACEMENT CELL	
1	EA	76209	PHIC-9GA 9" NEW STYLE (ROUND) REPLACEMENT CELL	
1	EA	76213	PHIC-9R-GA 9IN REME REPLACEMENT CELL FOR REME-HVAC-305	
1	EA	76210	PHIC-14HOGA 14" REPLACEMENT CELL	
1	EA	76219	PHIC-QR9 9IN GUARDIAN AIR QR REPLACEMENT CELL	
1	EA	76218	PHIC-RH 9IN REME HALO REPLACEMENT CELL	
1	EA	76221	PHIC-14HO-CC 14" HO LAMP REPLACEMENT CELL	

Replacement Lamps
For UV Air Purifier



The Second Wind Air Purifier with ultraviolet germicidal light sterilizes and reduces a substantial amount of molds, bacteria, chemical gasses, solvents, and odor causing contaminants. As these microscopic bioaerosols are rotated back to the return air assembly (kill zone) and exposed to the germicidal light, their DNA structure is altered, thus sterilizing them.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	41824	1068 (LP-PP-0032) REPLACEMENT LAMP F/1000-01KA-KCS	
6	EA	41825	1076(LP-PP-0033) 18IN REPLACEMENT LAMP PHOTOCATALYTIC F/2000-18	

Replacement Lamp for the SP-191

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	41832	AS-IH-1003 17IN REPLACEMENT LAMP F/SP-19	

Nu-Calgon iWave® Ionic Air Purifers



iWave-C



iWave-M



iWave-R



iWave-V

The iWave units use ionization to attract dust and allergen particles to remove contaminants from the air and to destroy airborne infections.

- Kill mold, bacteria, and viruses
- Reduce allergens and smoke
- Control particles in the air
- Cut down on static electricity
- UL approved
- No replacement parts requried
- 3-year limited warranty

iWave-C Commercial Air Cleaner

- For light commercial systems up to 12 tons
- Can be used with residential systems
- Duct-mounted
- Self-cleaning and maintenance-free
- Digital display
- Integral alarm contact for remote monitoring
- Service Temp. Range: -40 to 160° F
- 24VAC or 110–240VAC

iWave-M Mini Flexible Air Cleaner

- For use with ductless systems, especially mini-split systems
- Versatile enough to work with VRF coils, PTAC systems, packaged units, and ice machines
- Flexible, with hook-and-loop strip to attach device to coil
- Fits coils up to 36" wide
- Low maintenance
- Service Temperature Range: -40 to 140° F
- 110VAC–240VAC

iWave-R Residential Air Cleaner

- For residential systems up to 6 tons
- Mount inside or outside duct or use magnets to attach near indoor fan in the air handler
- Self-cleaning and maintenance-free
- Service Temp. Range: -40 to 160° F
- 24VAC–240VAC

iWave-V Vortex Air Cleaner

- For residential systems up to 6 tons
- Mount inside or outside duct or use magnets to attach near indoor fan in the air handler
- Low maintenance
- Service Temp. Range: -40 to 160° F
- 24VAC

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96204	4900-10 IWAVE-C COMMERCIAL AIR CLEANER	
1	EA	96203	4900-35 36" - 1200 CFM IWAVE-M FLEXIBLE AIR CLEANER	
1	EA	96201	4900-20 IWAVE-R UP TO 6T SELF CLEANING IAQ ION GPS	
1	EA	96202	4900-40 I WAVE-V UP 6T RESIDENTIAL SYSTEM IAQ ION GENERATOR	

8126 Ventilation Control System and Accessories



Features

- Separate ventilation time adjustment controls that satisfy your customers' needs.
- Separate cycle time adjustment allows fan to cycle, increasing air cleaner and humidifier run times.
- Minimum off times between cooling call and unsolicited blower call (UBC) allows coil to drain before running fan to prevent moisture from being added back into the home.
- 24-volt control, easy to install, saving time and money.
- Measures outdoor temperature to stop ventilation at extremely hot or cold outdoor temperatures increasing comfort and energy savings over other economical ventilation options.
- Measures indoor relative humidity, preventing home indoor RH from exceeding 60%.
- Suitable for any application. Ability to override temperature and humidity controls allows installation flexibility.

Controller Specifications

- Input (RC): 18 to 30 VAC, 1 amp maximum
- Damper output: 18 to 30 VAC, 1 amp maximum closed contact
- Temperature accuracy: ± 2° F
- Relative humidity accuracy: ± 5% RH
- Cycle time: 1, 2, 3 or 4 hours (selectable)
- Ventilation time: 0–60 minutes
- Damper Specifications
- Normally-closed, power open
- 24 VAC
- 0.41 amp
- 2-wire
- 6" diameter
- 10-3/4" long
- Max static pressure: 1.0" WC

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	41404	8126 VENTILATION CONTROL SYSTEM	

8100PerfectAire® Fresh Air Exchanger



The PerfectAire® Fresh Air Exchanger is designed to work in conjunction with the home's forced air system, or totally independently, incorporating its own duct system to provide the homeowner with a supply of fresh air distributed into the living space and to exhaust stale air from the home to the outdoors through the EnergyMax™ Transfer Core. It is designed to handle homes with up to 3,000 sq. ft. of living space. The unit features a washable aluminum mesh filter and a three year limited warranty. No condensate drain or defrost cycles needed.

Dimensions:
37-3/8" W x 20-5/8" H x 12-3/4" D.
Unit Capacity: 3,000 sq. ft.
Free Air Flow: 150 CFM each air stream.
Design Air Flow: 120 CFM @ 0.3" w.c. external duct resistance.
Electrical Usage: 120 Vac, 60 Hz., 1.4 amps.
Temperature Efficiency: 77% at 120 CFM.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	41508	8100 ENERGY RECOVERY VENTILATOR	

Honeywell VNT5000 Series TrueBREEZE Balanced Ventilation Systems



Balanced Ventilation

The goal of a ventilation system is to balance the exchange of the home's stale air with fresh outside air while recovering as much of the heating or cooling energy as possible. Too much positive pressure (stronger air coming in) can lead to the cracking of walls or freezing of locks, while too much negative pressure (stronger air going out) can lead to mold and air quality issues. Plus, a properly balanced ventilation system is required by home building codes. TrueBREEZE offers timesaving installation and simplified balancing.

Features

- Removable duct collars
- Simplified balancing
- Adjustable hanging straps
- Centralized wiring and speed control
- Customizable
- Compact size
- ENERGY STAR® rated
- Meets ASHRAE 62.2 standards
- 5-year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	70388	VNT5150E1000/U TRUE BREEZE ERV 150 CFM	
1	EA	70389	VNT5200E1000/U TRUE BREEZE ERV 200 CFM	
1	EA	70394	VNT5150H1000/U TRUE BREEZE HRV 150 CFM	
1	EA	70395	VNT5200H1000/U TRUE BREEZE HRV 200 CFM	

Honeywell W8150 Perfect Window™ Fresh Air Ventilation Control



W8150 ventilation control operates a fresh air intake damper and activates the main HVAC blower to efficiently meet ASHRAE ventilation rates.

This control optimizes air delivery by syncing ventilation calls with heating and cooling. The easy-to-use input dials allow customized ventilation for each installation.

For Use With: EARD6,VNT5150,VNT5200,VNT5070
Airflow Capacity: 50 to 160 cfm
Electrical Ratings: 24 Vac

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	70384	W8150A1001/U FRESH AIR VENT CONTROL	

Honeywell Y8150 Fresh Air Ventilation Damper



- Designed to help meet local ventilation codes and standards, including ASHRAE 62.2-2003 standard, "Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings."
- Microcontroller optimizes the air delivery schedule to make efficient use of normal HVAC run times.
- Easy-to-use input dials allow customized ventilation for each installation.
- Test mode that includes immediate feedback to installer to confirm that air delivery requirements of selected ventilation standard are being met.
- Economical supply-only ventilation; works with forced air system.
- Can be used with other equipment, such as an HRV/ERV, for balanced ventilation.

Y8150 Includes:

- W8150A Fresh Air Ventilation Control.
- EARD6 Fresh Air Damper.
- AT120B Tranformer.
- Mounting hardware for control.
- Homeowner information label.

W8150A Control:
Power Supply: 20-30 Vac, 60 Hz.
Power Consumption: 3.5 VA to 24 Vac.
EARD6 Damper:
24 Vac, 12 VA, 60 Hz.
Operation: Power-open, spring-closed.
Diameter: 6 inch.
AT120 Transformer:
Input: 120 Vac.
Output: 27 Vac open circuit, 24 Vac full load to 20 VA.
Temperature: -20° F to 160° F.
Humidity: 5 to 90% RH, noncondensing.
Input Setting Ranges:
Bedrooms: 2-5.
Area: 1000-4600 Sq. Ft.
Vent Airflow: 40-160 CFM.
Composite Setting Resolution: +/- 12% of ASHRAE 62.2-2003, recommended ventilation for single-system setup.
AT120B Approvals: UL Component Recognized: Class 2, File No. 14881.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	70381	YTH8321WF1036/U 6" FRESH AIR VENTILATION KIT	
1	EA	70382	YTH8321WF1044/U 8" FRESH AIR VENTILATION KIT	
1	EA	70383	Y8150A1017/U 6" VENTILATION DAMPER KIT	

Group 10 Hydronics

Group 10 Hydronics

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Buderus
Intelligent Heating

LP Conversion Kits

For G-124X Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68112	G124X18P85P LP CONVERSION KIT	
1	EA	68113	G124X25P85P LP CONVERSION KIT	

LP Conversion Kits for GA124 Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68093	GA12423P85 LP CONVERSION KIT	
1	EA	68094	GA12430P85 LP CONVERSION KIT	

Buderus
Intelligent Heating

G234X Gas-Fired Boiler

Large Residential/Light Commercial, Hot Water



The G234X construction consists of flexible GL-180M cast iron, designed to resist thermal shock for long life and a high silicone cast iron surface for excellent corrosion resistance.

- Full 3.5" of thermal insulation for minimal standby heat losses
- Stainless steel Premixed BurnerTechnology offers low emissions
- All models easily convert to propane
- Comes standard with the Aquastat control

Model No.	BTU Input BTU/HR	DOE Heating Capacity BTU/HR	I=B=R Net BTU/HR	Vent Size (In)	AFUE Eff. %	Approx. Shipping Weight (Lbs)
G234X-55	228,000	188,000	163,000	7	84	562

NOTE: Models are intermittent ignition, single-stage.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	68206	G-234X-55 NAT EI WTR BOILER L/PUMP W/DAMPER

Buderus
Intelligent Heating

GC124 Gas-Fired Boiler

Residential, Hot Water



The GC124 features precision castings that are made using the patented Buderus GL180M cast iron, an extremely robust and durable material that can be shaped for perfect heat flow patterns. The stainless steel atmospheric premix gas burner ensures precise premixing for excellent energy utilization.

All GC124 boilers are CSA approved for installation on combustible floors, have electronic ignition, and can be installed in elevations up to 8500'.

The slim profile and convenient side piping are designed for quick and easy installation, especially as a replacement boiler. All GC124 models feature the AquaSmart control with the Heat Manager function to adjust the water temperature based on heating demand for additional fuel savings.

Features 85% AFUE efficiency and side piping design for convenient boiler retrofit installation.

Limited lifetime warranty.

Model No.	BTU Input BTU/HR	DOE Heating Capacity BTU/HR	I=B=R Net BTU/HR	Vent Size (In)	AFUE Eff. % Electronic Ignition	Approx. Shipping Weight (Lbs)
GC124-3	74,000	62,000	54,000	5	85	228

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	65095	GC124-3II NAT EI WTR BOILER W/PUMP & DAMPER

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Buderus S and SU Thermoglaze® Water Tanks

Intelligent Heating **Vertical, Single Coil**



- **SU80** and **SU100** have a large front cleanout port for easy maintenance and a second magnesium anode rod for extended tank life.
- **SU** tanks offer universal rear pipe connections
- **S32** features top connections ideal for use with wall mounted boilers
- All models feature a magnesium anode rod for extended tank life

Patented Thermoglaze Enamel Interior
Thermoglaze is a ceramic material that is thermally bonded to the internal components of the tank to protect against the corrosive effects of minerals naturally existing in water.

Physical Data

Model	Tank Cap (Gal.)	Dia. (In.)	Height (In.)	Connections				Approx. Dry Wt. (Lbs.)	Max. Temp. (° F)	Max. Oper. Pressure (psi)	Standby Heat Loss (° F/H*)	Max. Heat Exch. Coil Water Temp. (° F)	Max. Heat Exch. Coil Pressure (psi)
				Heat Exchanger Coil (In.)	DHW Outlet (In.)	Cold Water Inlet (In.)	Recirculation (In.)						
S32	31.7	21-3/4	38-5/58	3/4	3/4	3/4	3/4	160	203	145	0.86	320	232
SU54	52.8	21-3/4	60-1/4	1	1	1	3/4	185	203	145	0.65	320	232
SU80	79.3	26-3/8	58-7/8	1	1	1	3/4	231	203	145	0.41	320	232
SU100	103	26-3/8	72-1/4	1	1	1	3/4	263	203	145	0.34	320	232

* Standby heat loss tested at 149° F DHW Temperature, 68° F Room Temperature

Performance Data

Model	Heat Input to Tank (MBH)	Continuous Rating (gph)	First Hour Rating (gph)	Boiler Water Flow Rate (gpm)	Coil Pressure Drop (Ft. of Head)
S32	90.5	120	143	11	3
SU54	80.2	107	144	9	1.6
SU80	100.7	134	190	11	3.1
SU100	157	209	281	11	3.7

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	68314	S32 32 GALLON W/AQUASTAT VERT HOT WATER TANK
1	EA	88696	SU54 54 GALLON VERT HOT WATER TANK
1	EA	88697	SU80 80 GALLON VERT HOT WATER TANK
1	EA	88698	SU100 100 GALLON VERT HOT WATER TANK

Buderus Intelligent Heating R2107 Logamatic Control System



Buderus Logamatic Control System R2107 is capable of reducing fuel usage by as much as 30%. By monitoring outdoor as well as indoor temperature (requires BFU), the R2107 maximizes fuel efficiency while delivering unmatched comfort. Space heating,domestic hot water production and programmable setback are all integrated into a single, intelligent source.

The R2107 comes with DHW control and is suitable for use with any of today's hydronic heating options, whether it's baseboard, panel radiators, hydro-air systems or radiant floors.

Optional modules are available. The FM241 mixing valve control is for radiant floor. The FM242 burner staging control is for use with dual boiler systems or to operate a 2-stage or modulating burner.

Functions

- Indoor/outdoor reset
- Condensate protection
- FM241 mixing valve module
- Priority control
- Night set-back
- Multi-zone set-up
- FM242 2-stage module

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	68191	R-2107 LOGAMATIC CONTROL

Buderus Intelligent Heating Boiler Parts

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
G124X, G234X, G334X	1	EA	68186	471336 FLAME ROLL-OUT SWITCH	
G224E	1	EA	68315	5181652 PILOT ASSY W/IGNITOR	
G124X, G234X, G334X	1	EA	68185	7079498 BLOCKED VENT SWITCH	
G124X	1	EA	39991	7738006262 SENSOR, BECKETT AQUASMART CNTR	
G124X	1	EA	39990	8718588223 BECKETT AQUASMART CONTROL	
G334X	12	EA	70565	L4006A1678/U AQUASTAT	
G124X, G234X	1	EA	68184	L8148E 1281 AQUASTAT	
G124X, G234X, G334X, GA124	1	EA	68187	S8600H 3002 (S8600H 1006) SPARK IGNITION MODULE	
G124X SP	1	EA	68181	VR8200H 1004 GAS VALVE	
G124X II, GA124	12	EA	73946	VR8204H1006/U GAS VALVE	

Buderus
Intelligent Heating

Parts for GB142 Wall-Hung, Condensing Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68055	67900522 COND COLLECTOR SEAL F/60	
1	EA	68059	67900526 BURNER SEAL F/60	
1	EA	68073	7098364 WALL MOUNTING BRACKET	
1	EA	68075	7098575 SIGHT GLASS	
1	EA	68077	7098822 AIR VENT REVISION SET	
1	EA	68086	7098834 COND COLLECTOR SEAL F/24&30	
1	EA	68087	7098838 COND COLLECTOR SEAL F/45	
5	EA	68091	7098850 (GASKETS) HOT SURFACE MOUNTING PLATE	
1	EA	68092	7098916 BURNER SEAL F/24&30	
1	EA	68095	7098920 BURNER SEAL F/45	
1	EA	68097	7099006 HOT SURFACE IGNITOR	
5	EA	68098	7099018 O-RING F/GAS VALVE ORIFICE	
5	PKG	68099	7099021 VENTURI/FAN SEAL	
1	PR	68150	7099038 RIGHT CASING LATCH	
5	EA	68169	8718600045 GAS CONNECTION SEAL(7099059)	
1	EA	68170	8718600083 120V UBA-3 BOILER CONTROL	
1	EA	68180	7100136 NTC SUPPLY/RETURN SENSOR	
1	EA	68245	7100229 HOT SURFACE IGNITOR SHIELD	
5	EA	68246	7100742 CONDENSATE TRAP SEAL	
1	EA	61540	73814 GB142 EXTERNAL CONNECTION BOARD	
1	EA	68305	8718600689 CONDENSATE TRAP (75978)	
1	EA	68101	7736700635 (7746900891) GAS CONTROL VALVE	
1	EA	68321	78184 FAN	
1	EA	68338	78186 CONTROLLER CONNECTION PLATE	
1	EA	68351	78191 120V TRANSFORMER	
1	EA	68384	78194 SAFETY SENSOR	
1	EA	68385	78195 IONIZATION ELECTRODE	
1	EA	68274	8718600019 (7101436) PRESSURE SENSOR	
1	EA	87093	8718600686 FLUE GAS ADAPTOR DRAIN SET	

Series 8H/E Gas-Fired Boilers

Water, Cast Iron Heat Exchanger



The Series 8HE has a compact design which easily adapts to existing piping arrangements, boiler room requirements, and system heating needs. For single and multiple boiler applications.

- Factory assembled block
- Deluxe jacket with 3-inch insulation
- 100% shut-off gas contorls
- 50 PSI relief valve
- Pressure/temperature gauge
- 24V gas valve, transformer and junction box
- Drafthood
- Low water cut-off (808HE–810HE only), 751P-MT
- Aluminized steel tube burners
- Drain valve
- Stainless steel flue baffles
- Flame roll-out switch (FRS)
- Blocked vent switch (BVS)
- High limit control, L4080D
- High limit control with manual reset, L4006E

Model No.*	Gas Input MBH	Gross Output MBH	I=B=R Net Water Ratings MBH	Thermal Efficiency	Approx. Ship Weight (Lbs.)
K805H	252	208	181	82.7	600
K806H	315	253	220	80.2	690
K807HE	340	275	239	81.0	870
K808HE	410	328	285	80.1	955
K809HE	460	370	322	80.4	1,050
K810HE	505	406	353	80.5	1,150

* "K" prefix indicates shipped knocked-down. Knockdown units are shipped with sections assembled and mounted on a steel base with manifold and burners installed. Controls, trim, wiring, jacket, LWCO (when furnished), and vent damper (when furnished) are shipped in the same reinforced container as the boiler. Knockdown units are supplied in a crate which includes assembled block with separate carton containing jackets and components.

Prices Available Upon Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	89783	K805HNEI-E2 252 MBH NAT HOT WATER BOILER
1	EA	89784	K806HNEI-L2 315 MBH NAT HOT WATER BOILER
1	EA	89776	K807HENEI-L2 340 MBH NAT HOT WATER BOILER
1	EA	89777	K808HENEI-L2 410 MBH NAT HOT WATER BOILER
1	EA	89778	K809HENEI-L2 460 MBH NAT HOT WATER BOILER
1	EA	89779	K810HENEI-L2 505 MBH NAT HOT WATER BOILER

Alpine Commercial

Water, Stainless Steel Heat Exchanger



- Stackable design
- Variable speed combustion blower
- Supply, return, and auto reset high limit water sensors
- Flue gas temperature sensor
- 3 separate circulator outputs
- Condensate trap
- Sealed control compartment
- Negative pressure lower cabinet

Sage 2.2™ Boiler Control

- Full modulation, 5:1 turndown
- Touch screen LCD display
- Built-in diagnostics
- Multiple boiler lead-lag for up to 8 units
- Domestic hot water priority

Non-Stock, Prices and Availability on Request

Model No.	Ratings				Thermal Efficiency (%)	Water Content (Gal)	Heat Transfer Area (Sq Ft)	Gas Conn. NPT (In)	Supply & Return Conn. NPT (In)	Intake/ Vent Diameter (In)	Approx. Shipping Weight (Lbs)
	Min. Input (MBH)	Max. Input (MBH)	Gross Output (MBH)	Net AHRI (MBH)							
ALP500A	100	500	475	413	95	4.2	50.8	3/4	1-1/2	4	350
ALP600C	125	625	594	517	95	5.4	76.2	1	2	6	458
ALP700C	145	725	689	599	95	5.4	76.2	1	2	6	458
ALP800C	160	800	760	661	95	6.2	87.0	1	2	6	500

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	87458	ALP500CF-5L00 500,000 BTUH ALPINE BOILER

Alpine Gas-Fired, Condensing Boilers

Water, Stainless Steel Heat Exchanger



- 95% AFUE
- Sizes 80–210 wall or floor mounted
- Sizes 285–399 are floor mount only
- Natural/LP gas
- Stainless steel heat exchanger
- Includes vent kit
- Sealed combustion
- Factory assembled and wired
- Circulator included for sizes 80–285
- 5-year parts and labor warranty for all models

Sage 2.2™ Boiler Control

- Full modulation, 5:1 turndown
- Touch screen LCD display
- Built-in diagnostics
- Multiple boiler lead-lag for up to 8 units
- Domestic hot water priority
- Slide-out control panel

Model No.	Maximum Input (MBH)	Minimum Input (MBH)	DOE Heating Capacity (MBH)	Net AHRI (MBH)	AFUE %	Std. Vent Size (In)	Std. Intake Size (In)	Approx. Shipping Weight (Lbs)
ALP080	80	16	72	63	95	3	3	137
ALP105	105	21	96	83	95	3	3	155
ALP150	150	30	136	118	95	3	4	182
ALP210	210	42	194	169	95	3	4	206
ALP285	285	57	262	228	95	4	4	256
ALP399	399	80	377*	328	94†	4	4	304

*Gross Output. †Thermal efficiency

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	87429	ALP080BW-4G02 80,000 BTUH ALPINE BOILER WALL/FLOOR MOUNT
1	EA	87430	ALP105BW-4G02 105,000 BTUH ALPINE BOILER WALL/FLOOR MOUNT
1	EA	87431	ALP150BW-4G02 150,000 BTUH ALPINE BOILER WALL/FLOOR MOUNT
1	EA	87432	ALP210BW-4G02 210,000 BTUH ALPINE BOILER WALL/FLOOR MOUNT
1	EA	87483	ALP285BF-4G07 285,000 BTUH ALPINE BOILER W/PUMP
1	EA	87484	ALP399CF-4L00 399,000 BTUH ALPINE BOILER

X-C Gas-Fired Condensing Boiler

High Efficiency,Water, Stainless Steel, Wall-Mount



- 95% AFUE
- 5:1 turndown saves energy
- Natural or LP gas
- Stainless steel heat exchanger
- Universal exhaust vent connection
- Variable speed combustion blower
- 100% system tested at factory
- 5-year parts and labor warranty

Sage 2.2™ Boiler Control

- LCD display
- 3 circulator outputs available
- Outdoor reset including outside sensor
- DHW priority

Model No.	AFUE %	Input Min/Max (MBH)	DOE Heating Capacity (MBH)	Net AHRI (MBH)	Vent Size (In)
X-C080	94.0	16–80	74	64	2 or 3
X-C100	93.3	20–100	92	80	2 or 3
X-C120	94.0	24–120	112	97	3
X-C180	94.0	36–180	170	148	3

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	87453	X-C080 80,000 BTUH X-C BOILER WALL MOUNT L/PUMP
1	EA	87454	X-C100 100,000 BTUH X-C BOILER WALL MOUNT L/PUMP
1	EA	87455	X-C120 120,000 BTUH X-C BOILER WALL MOUNT L/PUMP
1	EA	87457	X-C180 180,000 BTUH X-C BOILER WALL MOUNT L/PUMP

K2 High Efficiency Condensing Boiler

Wall-Mounted, Water, Stainless Steel Heat Exchanger



- Direct vent, sealed combustion appliance
- Natural or LP gas
- Easy access control panel
- Separated high/low voltage junction box
- Supply, return, and auto reset high limit water sensors
- Variable speed combustion blower
- Gas valve
- Flow switch
- Water and gas connections on bottom of boiler
- 5-year parts and labor warranty
  (Registration required within 90 days of installation.)

Model No.	AFUE %	Input (MBH) Min/Max	DOE Heating Capacity (MBH)	Net AHRI (MBH)	Vent Size (In)	Dimensions H x W x D (In)	Approximate Shipping Weight (Lbs)
K2-120	93	24/120	111	97	3	29 x 17 x 16-3/16	162
K2-150	94	30/150	141	123	3	29 x 17 x 20-3/16	188

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	87438	K2-120A-2G02 120,000 BTUH K2 BOILER WALL MOUNT
1	EA	87439	K2-150A-2G02 150,000 BTUH K2 BOILER WALL MOUNT

K2 Gas-Fired, High-Efficiency, Condensing Boiler

Wall-Mounted, Water, Stainless Steel Heat Exchanger



- 95% AFUE.
- 10:1 turndown lowers fuel use.
- Intelligent Sage 2.3™ Boiler Control System with factory pre-sets offers "out-of-the-box" performance and a touchscreen display with step-by-step setup guidance and diagnostics.
- Sealed combustion.
- Pre-installed boiler loop circulator.
- Variable speed combustion blower.
- Gas valve.
- Universal boiler bent connection: polypropylene, CPVC/PVC, and stainless steel flex.
- Pre-installed high capacity pump optimizes water flow to ensure proper boiler operation. Side panel access.
- High limit water sensors for supply, return, and auto reset.

Model No.	AFUE %	Input (MBH) Min/Max	DOE Heating Capacity (MBH)	Net AHRI (MBH)	Vent Size (In)	Dimensions H x W x D (In)	Approx. Ship Weight (Lbs)
K2WTC-080B-6G00	95	8/80	74	64	2 or 3	29 x 17 x 16-3/16	149
K2WTC-100B-6G00	95	10/100	94	82	2 or 3	29 x 17 x 16-3/16	158
K2WTC-120B-6G00	95	12/120	112	97	3	29 x 17 x 16-3/16	162
K2WTC-150B-6G00	95	15/150	142	123	3	29 x 17 x 20-3/16	188
K2WTC-180B-6G00	95	18/180	169	147	3	29 x 17 x 20-3/16	188

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	87352	K2WT-080B-6G00 80,000 BTUH 10:1 WATER TUBE BOILER
1	EA	87353	K2WT-100B-6G00 100,000 BTUH 10:1 WATER TUBE BOILER
1	EA	87355	K2WT-120B-6G00 120,000 BTUH 10:1 WATER TUBE BOILER
1	EA	87354	K2WT-150B-6G00 150,000 BTUH 10:1 WATER TUBE BOILER
1	EA	87356	K2WT-180B-6G02 180,000 BTUH 10:1 WATER TUBE BOILER

K2 Combi Gas-Fired, High-Efficiency, Condensing Boiler

Wall-Mounted, Water, Stainless Steel Heat Exchanger



K2 Combi models provide hot water for heating and for domestic hot water. This unit features an integrated flat plate heat exchanger for domestic hot water.

- 95% AFUE.
- 10:1 turndown lowers fuel use.
- Intelligent Sage 2.3™ Boiler Control System with factory pre-sets offers "out-of-the-box" performance and a touchscreen display with step-by-step setup guidance and diagnostics.
- Sealed combustion.
- Pre-installed boiler loop circulator.
- Variable speed combustion blower.
- Gas valve.
- Universal boiler bent connection: polypropylene, CPVC/PVC, and stainless steel flex.
- Pre-installed high capacity pump optimizes water flow to ensure proper boiler operation. Side panel access.
- High limit water sensors for supply, return, and auto reset.

Model No.	AFUE %	Input (MBH) Min/Max	DOE Heating Capacity (MBH)	Net AHRI (MBH)	Vent Size (In)	Dimensions H x W x D (In)	Approx. Ship Weight (Lbs)
K2WTC-180B-6T00	95	18/180	169	147	3	30 x 17 x 19	126

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	92549	K2WTC-180B-6T00 180 MBH 95% EFFICIENCY CONDENSING GAS K2 COMBI BOILER

Series 3 Gas-Fired, Chimney-Vented Boilers

Water, Cast Iron Heat Exchanger

Fully Updated for DOE 2012 Compliance



- Insulated jacket
- Integrated draft diverter, damper and connector included
- Heavy gauge 1" and 1-1/2" base insulation
- Intelligent Hydronic Control self-diagnostic control system with 3-digit readout for satus settings and errors
- Step-opening redundant gas valve
- 110° F minimum return temperature rating
- Cast iron supply manifold with safety relief valve tapping
- Spark ignition with continuous retry
- Grundfos Alpha high-efficiency, variable speed pump with wiring harness
- Cast iron section assembly
- IQ Option Panel accepts plug and play IQ option cards for outdoor reset with DHW priority, auto or manual reset low water cutoff, and auto or manual auxilliary high limit
- User-friendly wiring with 120V J-box
- Resettable blocked vent switch
- Boiler drain valve

Model No.	AFUE %	Input (MBH)	DOE Heating Capacity (MBH)	Net AHRI (MBH)	Vent Size (In)	Approx. Ship Weight (Lbs)
303	84	70	59	51	4	254
304	84	105	89	77	5	301
305	84	140	119	103	6	353
306	84	175	149	130	6	405
307	84	210	178	155	7	464
308	84	245	208	181	7	514
309	84	280	208	207	8	564

Model No.	Dimensions (In)			Connections (In)				Water Cap. (Gal)
	Width	Depth	Height	Supply	Return	Gas Valve	Relief Valve	
303	12-3/4	33	41	1-1/4	1-1/4	1/2	3/4	2
304	15-1/2	33	41	1-1/4	1-1/4	1/2	3/4	3
305	18-1/2	33	41	1-1/4	1-1/4	1/2	3/4	4
306	21-1/2	33	41	1-1/4	1-1/4	1/2	3/4	5
307	24-3/4	33	41	1-1/4	1-1/4	3/4	3/4	6
308	24-3/4	33	41	1-1/4	1-1/4	3/4	3/4	7
309	30-3/4	33	41	1-1/4	1-1/4	3/4	3/4	8

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	87414	303BNI-G 70,000 NAT EI WTR BOILER
1	EA	87415	304BNI-G 105,000 NAT EI WTR BOILER
1	EA	87416	305BNI-G 140,000 NAT EI WTR BOILER
1	EA	87417	306BNI-G 175,000 NAT EI WTR BOILER
1	EA	87418	307BNI-G 210,000 NAT EI WTR BOILER
1	EA	87419	308BNI-G 245,000 NAT EI WTR BOILER
1	EA	87420	309BNI-G 280,000 NAT EI WTR BOILER

Independence Gas-Fired Boilers, Packaged

Steam, Cast Iron Heat Exchanger, Chimney Vented



The Independence Series is equipped with a fuel saving vent damper and a low profile rear draft-hood that accommodates low overhead areas and permits installation with existing heating system piping.

• Standard Features

- Up to 82% AFUE
- Natural or LP gas
- Electronic ignition
- Stainless-steel burners
- Step-opening gas valve for smooth and quiet start-up
- Boiler controls concelaed inside boiler jacket
- Industrial-quality pressure limit control

Package Includes

- Section assembly
- Insulated deluxe jacket
- Base-burner manifold assembly
- Flame Roll-out Switch (FRS)
- Canopy
- Rear drafthood
- Blocked Vent Switch (BVS)
- Pressure limit
- 24 V transformer
- Probe-type low water cutoff (LWCO)
- Junction box
- Thermostat isolating relay
- 15 psi safety valve
- Steam gauge
- Gauge glass
- 3/4" drain valve
- Wiring harness

Packaged Boilers: Natural Gas, Electronic Ignition, with McDonnel & Miller LWCO, and Damper

Model No.	A.G.A. Input (MBH)	D.O.E. Heating Capacity (MBH)	I=B=R Rating		AFUE % Electronic Ignition Steam	Approx. Shipping Weight (Lbs)
			Steam (MBH)	Steam (Sq Ft)		
PIN3	62	51	38	158	81.9	350
PIN4	105	87	65	271	82.0	420
PIN5	140	115	86	358	82.0	485
PIN6	175	144	108	450	82.1	555
PIN 7	210	173	130	542	82.1	620

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	87818	PIN3SNI-ME2 62 MBH PACKAGE STEAM BOILER W/LWCO
1	EA	87819	PIN4SNI-ME2 105 MBH PACKAGE STEAM BOILER W/LWCO
1	EA	87820	PIN5SNI-ME2 140 MBH PACKAGE STEAM BOILER W/LWCO
1	EA	87821	PIN6SNI-ME2 175 MBH PACKAGE STEAM BOILER W/LWCO
1	EA	87822	PIN7SNI-ME2 210 MBH PACKAGE STEAM BOILER W/LWCO

Independence Gas-Fired Boilers, Semi-Pak

Steam or Hot Water, Cast Iron Heat Exchanger



The Independence Series is equipped with a fuel saving vent damper and a low profile rear drafthood that accommodates low overhead areas and permits installation with existing heating system piping.

Standard Features

- Up to 82% AFUE
- Natural or LP gas
- Electronic ignition (Sizes 3–9)
- Stainless-steel burners
- Step-opening gas valve for smooth and quiet start-up
- Boiler controls concelaed inside boiler jacket
- Industrial-quality pressure limit control

Package Includes

- Section assembly
- Insulated deluxe jacket
- Base-burner manifold assembly
- Flame Roll-out Switch (FRS)
- Canopy
- Rear drafthood
- Blocked Vent Switch (BVS)
- Vent damper

Trim Packages

For a complete boiler package order a boiler, a trim package (#65229 or 65239), and a Low Water Cutoff (#65480).

#65229 EZS Control/Trim Pkg. for Steam System

Equipment furnished: PA-404A high limit, 24V transformer; 67BC-7 float type low water cut-off; 4" J-Box; ASME 15 PSI safety relief valve; steam gauge; gauge glass and fittings; 3/4" drain cock; wiring harness; thermostat isolating relay.

#65239 SC Control Set for Steam Pkg.

Controls Furnished: PA-404A high limit; 24 V transformer; 4" J-box; thermostat isolating relay.

Semi-Pak, Completely Factory Assembled, Add Trim Package and Controls

Model No.	A.G.A. Input (MBH)	D.O.E. Heating Cap. (MBH)	I=B=R Rating			AFUE %		Approx. Shipping Weight (Lbs)
			Water (MBH)	Steam (MBH)	Steam (Sq Ft)	Electronic Ignition		
						Water	Steam	
SIN3	62	51	44	38	158	81.9	81.9	350
SIN4	105	87	76	65	271	82.0	82.0	420
SIN5	140	115	100	86	358	82.0	82.0	485
SIN6	175	144	125	108	450	82.1	82.1	555
SIN7	210	173	150	130	542	82.1	82.1	620
SIN8	245	202	176	152	633	82.2	82.2	690
SIN9	280	231	201	174	725	82.2	82.2	760

Electronic Ignition (Water trim control cartons available upon request.) **Prices Available on Request**

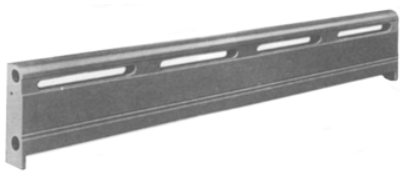
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	87421	SIN3LNI-LE2 62 MBH NAT GAS EI STEAM/WATER BOILER W/DAMPER
1	EA	87422	SIN4LNI-LE2 105 MBH NAT GAS EI STEAM/WATER BOILER W/DAMPER
1	EA	87423	SIN5LNI-LE2 140 MBH NAT GAS EI STEAM/WATER BOILER W/DAMPER
1	EA	87424	SIN6LNI-LE2 175 MBH NAT GAS EI STEAM/WATER BOILER W/DAMPER
1	EA	87425	SIN7LNI-LE2 210 MBH NAT GAS EI STEAM/WATER BOILER W/DAMPER
1	EA	87426	SIN8LNI-LE2 245 MBH NAT GAS EI STEAM/WATER BOILER W/DAMPER
1	EA	87427	SIN9LNI-LE2 280 MBH NAT GAS EI STEAM/WATER BOILER W/DAMPER

Trim Packages and Low Water Cutoff

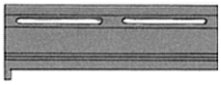
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65229	108524-01 EZS STEAM CONTROL & TRIM PKG	
1	EA	65239	60110080 SC STEAM CONTROL PKG	
1	EA	65480	67 LOW WATER CUT-OFF FLOAT TYPE FOR STEAM BOILERS	

Baseray®

The Original Cast Iron Baseboard



Baseray is the original cast iron radiant baseboard. It is designed to be inconspicuous but effective. In fact, Baseray's design enables heat to be disbursed in both horizontal and vertical directions. Its cast iron construction provides radiant heat, lifetime durability, and dependability. Baseray assemblies up to and including 6 linear feet are shipped in one piece. Longer assemblies are shipped in two or more pieces of sub-assemblies, none of which exceeds 6 linear feet.



Left End Sections 18" or 24"



Intermediate



Right End Sections 12" or 24"



Panel 18" or 24"

Flow Rate	Steam Rating	Water Ratings BTUH Per Lineal Foot at Average Water Temperatures Indicated							
Lbs./ Hr.	Sq. Ft.	BTH/Hr. at 215° F	170° F	180° F	190° F	200° F	210° F	220° F	230° F
2000	3.40	820	550	620	690	750	810	880	940
500	3.40	820	520	590	650	710	770	830	890

Price and Availability of Baseboard on Request

Baseray Assembly Tool

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87412	80741618 BASE RAY ASSY TOOL	

Concentric Vent Kit

4 Inch



Concentric vent kits make it easier to install two-pipe equipment and only require one hole through the roof or wall where the pipes terminate. All fittings required to install the vent are included. No additional fittings for outside connections are needed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84447	CVENT-4 4" CONCENTRIC VENT KIT

Boiler Parts

For Use with th e Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
2-A, 2-B, & 2-PV Series	1	EA	65202	100189-01 L4080D1234 HIGH LIMIT AQUASTAT
2-A, 2-B, & 2-PV Series	1	EA	65219	100282-01 2-1/2"D,1/4"NPT,1-1/2"L TEMP/PRES GAUGE 70-320, 0-75#
Freedom Series	1	EA	67786	100369-01 SUPPLY SENSOR F/ FREEDOM
Freedom Series	1	EA	67787	100391-01 RETURN TEMP SENSOR F/ FREEDOM
Freedom Series	1	EA	66991	100509-01 IGNITION ELECTRODE F/ FREEDOM
Freedom Series	1	EA	66992	100510-01 IGNITION ELECTRODE GASKET F/ FREEDOM
2-PV Series	1	EA	67124	100959-01 S8670E1007 IGN MOD W/PREPURGE
Series 3	1	EA	89781	102289-01 IQ BOILER CONTROL SERIES 3

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Boiler Parts

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
Series 3	1	EA	88473	102291-01 SERIES 3 IQ OPTIONAL PANEL
Series 3	1	EA	87410	102714-01 IQ LWCO MANUAL RESET OPTION CARD FOR SERIES 3
Series 2, Series 3	1	EA	88474	102411-01 24 INCH LIMIT RATED TEMP SENSOR
Series 3	1	EA	87409	102720-01 IQ HI LIMIT MANUAL RESET OPTION CARD FOR SERIES 3
Series 3	1	EA	87407	102773-01 LP KIT FOR SERIES 3 ALL SIZES
Alpine210	1	EA	87474	102975-04 GAS VALVE, 5:1, ALP210
Alpine285	1	EA	87475	102975-05 GAS VALVE, 5:1, ALP285
Alpine080, 105, 150, 210, 285, 399A, 399B, 399C	1	EA	87470	103005-01 IGNITOR KIT
Alpine500A	1	EA	88475	103005-02 IGNITOR KIT-ALP500A
XG-2000 Series, 8B Series	1	EA	87413	103018-01 JOHNSON IGNITION CONTROL REPLACEMENT KIT HONEYWELL
Alpine500C, 600C, 700C, 800C	1	EA	88476	103308-01 IGNITOR KIT
Alpine500C, 600C, 700C, 800C	1	EA	88477	103310-01 FLAME SENSOR KIT, 10:1
Alpine 080/105/150/210/285/399A/399B/399C/500A	1	EA	87471	103339-01 FLAME SENSOR KIT 10:1
Series 3	1	EA	88478	103660-02 SERIES 3 IQ CONTROL
	1	EA	89782	103704-01 PILOT ASSY
IN3-IN9	1	EA	87459	103966-02 BOILER CONTROL
Series 3	1	EA	87428	104243-01 NG TO LP CONV KIT F/SERIES 3
Alpine080	1	EA	88479	104620-01 BLOWER INLET REPAIR KIT-MINOR
Alpine105, 150	1	EA	88480	104620-02 BLOWER INLET REPAIR KIT,MINOR
Alpine210	1	EA	88481	104620-03 BLOWER INLET REPAIR KIT,MINOR
Alpine 285, 399A, 399B, 399C	1	EA	88482	104620-04 BLOWER INLET REPAIR KIT,MINOR
Alpine 500A, 500C	1	EA	88483	104620-05 BLOWER INLET REPAIR KIT,MINOR
Alpine 399A, 399B, 399C	1	EA	88484	104999-01 BLOWER W/ GASKET 5:1
Alpine 500A, 500C	1	EA	88485	104999-02 BLOWER W/ GASKET 5:1
Alpine Series	1	EA	87477	105005-01 CONDENSATE FLOAT SWITCH KIT
Alpine 500C	1	EA	88486	105549-01 AIR PRES SWITCH,AIR PROV 5:1
Series 3	1	EA	87411	105648-01 IQ OUTDOOR RESET CARD FOR SERIES 3 (102723-01)
Alpine 080, 105	1	EA	88487	105756-01 BLWR W/ GASKET 5:1 ALP080,105
Alpine 150	1	EA	88488	105757-01 BLOWER W/ GASKET 5:1 ALP150
Alpine 210	1	EA	88489	105758-01 BLOWER W/ GASKET 5:1 ALP210
K2-080/100; K2WT080B/100B; X-C080/100	1	EA	88491	105809-01 BLOWER W/ GASKET 5:1
K2-120; K2WT120B; K2WTC135B; X-C1201	1	EA	88492	105810-01 BLOWER W/ GASKET 5:1
K2-150/180; K2WT-150B/180B; K2WTC-150B/180B; X-C150, 180	1	EA	88493	105811-01 BLOWER W/ GASKET 5:1
K2-080/100/120; K2WT-080B/100B/120B; K2WTC-135B; X-C080/100/120	1	EA	88494	105812-01 GAS VALVE REPLACE KIT 5:1
K2-150/180; K2WT-150B/180B; K2WTC-150B/180B; X-C150/180	1	EA	88495	105813-01 GAS VALVE REPLACE KIT 5:1
K2 Series, K2WT Series	1	EA	88496	105852-01 PCB CONNECTION BOARD, HIGH VLT
K2 Series, K2WT Series	1	EA	88497	105853-01 PCB CONNECTION BOARD, LOW VLT
K2 Series, K2WT Series, X-C Series	1	EA	88498	105856-01 FUSE KIT ALL K2,K2WT,X-C
K2 Series, K2WT Series, X-C Series	1	EA	88499	105880-01 FLAME SENSOR KIT 10:1
K2 Series, K2WT Series, X-C Series	1	EA	88780	105881-02 IGNITOR KIT (ALL K2,K2WT,X-C)
K2 Series, K2WT Series, X-C Series	1	EA	88781	105892-01 BOILER FLOW SWITCH
K2 Series, K2WT Series, X-C Series	1	EA	88782	105910-01 SENSOR, RETURN WTR TEMP
K2 Series, K2WT Series, X-C Series	1	EA	88783	105911-01 SENSOR,SUP WTR TEMP,LMTD RTD
Series 3	1	EA	87435	105915-01 LCD DISPLAY FOR IQ CONTROL
Alpine399C	1	EA	88784	105976-01 AIR PRES SWITCH,AIR PROV 5:1
Alpine399C, 500C, 600C, 700C, 800C	1	EA	88785	106014-01 SENSOR, SUPL WTR TEMP LMTD RTD
Alpine399C, 500C, 600C, 700C, 800C	1	EA	88786	106015-01 SENSOR, FLUE
K2 Series, K2WT Series, X-C Series	1	EA	87482	106034-01 TRANSFORMER - REPAIR KIT
Alpine080, 105, 150, 210, 285, 399A, 399B, 500A	1	EA	87468	106066-01 FLUE TEMP SENSOR & CAP
Revolution Series	1	EA	89787	106123-01 NAT PILOT ASSY
Series 2	1	EA	89788	106125-01 PILOT ASSY
Series 2	1	EA	89786	106126-01 LP PILOT ASSY
Series 3	1	EA	88787	106128-01 SERIES 3 PILOT ASSY - LP
Alpine080, 105, 150, 210, 285, 399A, 399B, 500A	1	EA	88155	106217-04 DISPLAY REPAIR KIT
Alpine399C	1	EA	88788	106498-01 CONTROL, SAGE BOILER ALP399C
Alpine500C, 600C, 700C, 800C	1	EA	88789	106498-02 CONTROL, SAGE BOILER
Series 3	1	EA	87452	106687-01 NG TO LP CONV KIT FOR ES2 & SERIES 3 3-6 SECTION
Alpine Series	1	EA	89790	107121-01 HIGH LIMIT TEMP SWITCH KIT
K2WTCB Series, X-C Series	1	EA	88790	107141-01 PCB CONNECTION BOARD, LOW VLT
K2-080, K2WT-080B, X-C080	1	EA	88791	107165-01 PIM KIT, SAGE 2.2 CONTROL 5:1

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Vent Kits for Revolution Direct Vent Hot Water Gas Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	67132	6116062 VERT DIRECT VENT & AIR INTAKE	
1	EA	67133	61106008 INDOOR COMBUSTION KIT RV3-RV4	

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Boiler Parts

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
K2-100, K2WT-100B, X-C100	1	EA	88792	107165-02 PIM KIT, SAGE 2.2 CONTROL 5:1
K2-120, K2WT-120B, K2WTC-135B, X-C120	1	EA	88793	107165-03 PIM KIT, SAGE 2.2 CONTROL 5:1
K2-150, K2WT-150B, K2WTC-150B, X-C150	1	EA	88794	107165-04 PIM KIT, SAGE 2.2 CONTROL 5:1
K2-180, K2WT-180B, K2WTC-180B, X-C180	1	EA	88795	107165-05 PIM KIT, SAGE 2.2 CONTROL 5:1
Alpine080, 105	1	EA	88796	107501-01 AIR PRESSURE SWITCH ALP080,105
Alpine150, 210, 285	1	EA	88797	107502-01 AIR PRESS SWTCH ALP150,210,285
PVG, SCG	1	EA	88798	107651-01 BURNER
PVG, SCG	1	EA	88799	107652-01 MAIN BURNER W/ PILOT BRACKET
K2 Series, K2WTB Series	1	EA	88800	107864-03 INTELLIGENT BOILER DISPLAY
K2-120/150; K2WT-120B/150B; K2WTC-135B/150B; X-C120/150	1	EA	88801	107866-01 COMB ASSY W/ BLWR,VLV,HRDWR NG
K2-150/180; K2WT-150B/180B; K2WTC-150B/180B; X-C150/180	1	EA	88802	107867-01 COMB ASSY W/ BLWR,VLV,HRDWR NG
K2-080, 100; K2WT080B, 100B; X-C080, 100	1	EA	88803	107868-01 COMB ASSY W/ BLWR,VLV,HRDWR LP
K2-080, 100; K2WT080B, 100B; X-C080, 100	1	EA	88804	107869-01 COMB ASSY W/ BLWR,VLV,HRDWR NG
K2-120/150; K2WT-120B/150B; K2WTC-135B/150B; X-C120/150	1	EA	88805	107870-01 COMB ASSY W/ BLWR,VLV,HRDWR LP
K2-150/180; K2WT-150B/180B; K2WTC-150B/180B; X-C150/180	1	EA	88806	107871-01 COMB ASSY W/ BLWR,VLV,HRDWR LP
K2WTCB Series	1	EA	88812	108198-03 INTELLIGENT BOILER DISPLAY
IN Series	1	EA	65465	153927 PSE-802-24 24V LOW WATER CUT OFF
2-A Series, 2-B Series, 2-PV Series, 8B Series	1	EA	67120	6016058 BLOCKED VENT SWITCH
IN Series	1	EA	65463	6016067 BLOCKED VENT SWITCH
203-204PV, IN3-IN4PV	1	EA	87444	6111714 INDUCER ASSEMBLY
2-PV Series	1	EA	65155	6111715 BLOWER REPLACEMENT ASSY FOR 205PV/206PV & SP5/SP6
XG-2000 Series, RV Series	1	EA	65416	6116056 INDUCED DRAFT FAN
RV Series	1	EA	65425	8010601 VS3000 BOILER CIRC CONTROL
Alpine026A, 040A, 053A, 079A, 119A	1	EA	87442	8010812 AQUASTAT L4006A2114
XG-2000, 2-A, 2-PV, 8B, & IN Series	1	EA	65198	80160044 ROLLOUT SWITCH 240C/464F
2-A Series, 2-PV Series	1	EA	65224	80160155 R8285D TRANSFORMER RELAY
Series 3	1	EA	88470	80160157 SERIES 3 BLOCKED VENT SWITCH
Independence Series	1	EA	87443	80160369 L404F1367 PRESSURETROL
XG-2000 Series	1	EA	67574	80160402 AQUASTAT
8B Series	1	EA	65986	80160718 751P-MT-120 LOW WATER CUT-OFF F/HOT WATER
Series 2	1	EA	65240	8116321 4" DAMPER VENT DAMPER CGS-A 30
Series 2	1	EA	65241	8116322 5" DAMPER VENT DAMPER CGS-A 40
Series 2	1	EA	65242	8116323 6" DAMPER VENT DAMPER CGS-A 50/60
Series 2	1	EA	65243	8116324 7" DAMPER VENT DAMPER CGS-A 70/80
Series 2	1	EA	65244	8116325 (RVGP-PC-8-BKF) 8" DAMPER
2-B Series	1	EA	65180	81660143 1/2"NPT X 1/4" FITTING GAS VALVE, 24V NAT
2-B Series	1	EA	67280	81660144 1/2" VR8200C3013 LP GAS VALVE
2-B Series	1	EA	66776	81660145 GAS VALVE
Series 3	1	EA	87445	81660146 GAS VALVE-LP-303 THRU 306
8B Series	1	EA	65461	81660151 7000DERHC NAT GAS VALVE
2-B & IN Series	1	EA	65437	81660154 3/4" VR8300C4027 NAT GAS VLVE
Series 3	1	EA	88471	81660160 SERIES 3 GAS VLV-307 THRU 309
2-A Series	1	EA	65213	81660161 .7"S,305"FR 3/4"NPT,1/4" GAS VALVE, NAT,EI
Series 3	1	EA	88472	81660283 S 3 GAS VLV,NG,307 THRU 309
2-B Series	1	EA	65430	8236023 Q327A1147 LP PILOT ASSY (8236106)
2-B Series	1	EA	67570	8236024 THERMOCOUPLE
8B Series	1	EA	65192	8236040 ELECT IGNITION SENSOR PROBE
2-B Series	1	EA	65182	8236084 36" LG W/ 1/4" FEM CONN 394800-36/U IGN/SNS LEAD
2-B & IN Series	1	EA	65440	8236097 MAIN BURNER W/PILOT BRACKET
2-B, RV, 2-PV, & IN Series	1	EA	65444	8236098 MAIN BURNER W/PILOT BRACKET
XG-2000, A, 2-B, 2-PV, RV, & IN Series	1	EA	67131	8236099 MAIN BURNER
2-B & IN Series	1	EA	65438	8236102 Q350A1644 NAT PILOT ASSY
2-B & IN Series	1	EA	65439	8236103 Q327A1949 NAT PILOT ASSY
IN3-IN9	1	EA	87447	8236148 LP PILOT ASSY
RV Series	10	EA	70815	L8148E1299/U AQUA RELAY
RV Series	1	EA	76174	071 1' (300 MM) WIRE SENSOR, UNIVERSAL

CGD Series Cast Iron Boiler

Gas-Fired, Water



All Boilers Include

- Drafthood
- Automatic vent damper
- Aluminized steel burners
- Blocked vent switch
- Cast iron heat exchanger
- Drain valve
- Flame rollout switch
- Cast iron push nipples

* CGD Series water boilers are shipped less circulating pump. Bell & Gosset, Grundfos and Taco pumps are available from G.W. Berkheimer.

Water Boilers Include

- Pressure/temperature gauge
- 30 PSI relief valve
- Limit control

CGD Water Boiler Specifications

Model No.	AGA Input (MBH)	DOE Heating Capacity (MBH)	IBR Net Output (MBH)	AFUE % Standard Pilot with Vent Damper	Flue Dia. (In)	Pump Conn.	Approx. Weight (Lbs)
CG80D	232	191	166	82.0	7	1-1/4	506

CGD Water Boiler

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88163	CG80DNI-L2 WTR BOILER W/EI L/PUMP	

Vent Dampers and Low Water Cut-offs

1	EA	65240	8116321 4" DAMPER VENT DAMPER CGS-A 30	
1	EA	65241	8116322 5" DAMPER VENT DAMPER CGS-A 40	
1	EA	65242	8116323 6" DAMPER VENT DAMPER CGS-A 50/60	
1	EA	65243	8116324 7" DAMPER VENT DAMPER CGS-A 70/80	
1	EA	65244	8116325 (RVGP-PC-8-BKF) 8" DAMPER	
1	EA	65980	104206-1 PS-802-24V (80160720) LOW WATER CUT-OFF F/STEAM	
1	EA	65465	153927 PSE-802-24 24V LOW WATER CUT OFF	

LP Kits

1	EA	66376	101002-01 LP KIT FOR CG30C STANDING PILOT	
1	EA	66508	100792-01 LP KIT FOR CG50C STANDING PILOT	

CGE Series Cast Iron Boilers

Gas-Fired, Water



- Insulated steel jacket
- Integral draft diverter, damper, and connector included
- Heavy gauge 1" base insulation
- Step-opening redundant gas valve
- 130° F minimum return temperature rating
- Spark ignition with continuous retry
- User-friendly wiring with 120V J-box
- Chimney vented
- Cast iron section assembly
- Resettable blocked vent switch
- Boiler drain valve
- Cast iron supply manifold with safety relief valve tapping
- Stainless steel burners
- Integrated boiler control: Simple self-diagnostic control system with LEDs for status settings and errors

NOTE: CGE series water boilers are shipped less circulating pump. Bell & Gosset, Grundfos and TacoPumps are available from G.W. Berkheimer.

CG-E Water Boiler Specifications

Model No.	AGA Input (MBH)	DOE Heating Capacity (MBH)	IBR Net Output (MBH)	AFUE% Standard Pilot with Vent Damper	Flue Dia. (In)	Pump Conn.	Approx. Weight (Lbs)
CG30E	70	59	51	84.0	4	1-1/4	254
CG40E	105	88	77	84.0	5	1-1/4	304
CG50E	140	117	102	84.0	6	1-1/4	357
CG60E	175	146	127	84.0	6	1-1/4	405
CG70E	210	176	153	84.0	7	1-1/4	462
CG80E	245	205	178	84.0	7	1-1/4	518
CG90E	280	234	203	84.0	8	1-1/4	564

CGE Water Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88178	CG30EN-L 70 MBH WTR BOILER W/EI L/PUMP	
1	EA	88179	CG40EN-L 105 MBH WTR BOILER W/EI L/PUMP	
1	EA	88180	CG50EN-L 140 MBH WTR BOILER W/EI L/PUMP	
1	EA	88181	CG60EN-L 175 MBH WTR BOILER W/EI L/PUMP	
1	EA	88182	CG70EN-L 210 MBH WTR BOILER W/EI L/PUMP	
1	EA	88183	CG80EN-L 245 MBH WTR BOILER W/EI L/PUMP	
1	EA	88184	CG90EN-L 280 MBH WTR BOILER W/EI L/PUMP	

Vent Dampers

1	EA	88167	102284-01 4" DAMPER VENT DAMPER CG-E 30	
1	EA	88168	102284-02 5" DAMPER VENT DAMPER CG-E 40	
1	EA	88169	102284-03 6" DAMPER VENT DAMPER CG-E 50/60	
1	EA	88170	102284-04 7" DAMPER VENT DAMPER CG-E 70/80	
1	EA	88171	102284-05 8" DAMPER VENT DAMPER CG-E 90	

LP Kits

1	EA	88185	106925-01 NAT TO LP CONVERSION KIT CG30E - CG60E	
1	EA	88186	106926-01 NAT TO LP CONVERSION KIT CG70E - CG90E	

Parts and Accessories

1	EA	77192	106541-01 BOILER CONTROL, UTEC 1135-630	
1	EA	77193	106643-01 12" LONG LIMITED RATED TEMP SENSOR	

CGSC Series Cast Iron Boilers

Gas-Fired, Steam



- Fully packaged
- Insulated jacket
- Pressure limit
- 15 PSI safety valve
- Honeywell gas valve
- Probe-type LWCO
- Steam pressure guage
- Built-in draft diverter
- Flame roll out switch
- Blocked vent switch
- Vent damper
- Drain valve

NOTE: CGSC Series water boilers are shipped less circulating pump. Bell & Gosset, Grundfos and Taco pumps are available from G.W. Berkheimer.

CGSC Steam Boiler Specifications

Model No.	AGA Input (MBH)	DOE Heating Capacity (MBH)	IBR Net Output (MBH)	AFUE % Standing Pilot with Vent Damper	Steam (Sq. Ft.)	Flue Dia. (In)	Approx. Weight (Lbs)
CG40C	103	84	63	82.0	263	5	420
CG50C	138	113	85	82.0	354	6	485
CG60C	172	142	107	82.1	446	6	555
CG70C	207	171	128	82.1	533	7	620
CG80C	241	199	149	82.2	621	7	690

CGSC Steam Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88173	CGS40CNI-ME2 STEAM BOILER W/EI	
1	EA	88174	CGS50CNI-ME2 STEAM BOILER W/EI	
1	EA	88175	CGS60CNI-ME2 STEAM BOILER W/EI	
1	EA	88176	CGS70CN9-ME2 STEAM BOILER W/EI	
1	EA	88177	CGS80CNI-ME2 STEAM BOILER W/EI	

Vent Dampers

1	EA	88167	102284-01 4" VENT DAMPER CG 20/30	
1	EA	88168	102284-02 5" VENT DAMPER CG 40	
1	EA	88169	102284-03 6" VENT DAMPER CG 50/60	
1	EA	88170	102284-04 7" VENT DAMPER CG 70/80	
1	EA	88171	102284-05 8" VENT DAMPER CG 90/100	

WEIL-McLAIN
A United Dominion Company

SlimFit® High-Efficiency Boilers

Commercial, Gas-Fired, Water Only



- Exceptionally small footprint
- Units can be installed back-to-back
- Can be split into smaller sections for difficult to access areas
- Modulating burner with 5:1 turndown ratio
- ASME CSD-1 (Controls & Safety Devices) compliant
- Approved for direct vent and direct exhaust with PVC, CPVC, PP, or SS (AL29-4C)
- Lead/lag capability up to 8 boilers with lead boiler rotation
- High limit temperature control with maximum 200° F manual reset

Model No.	Max. Input (MBH)	Min. Input (MBH)	Gross Ouput (MBH)	Net I=B=R	IBR Thermal	IBR Combustion	Vent/Air Size (In)	Water Volume (Gal)	Minimum Gas Pressure
SF550	550	92	516	449	94.7%	93.9%	6	5.5	3.5"
SF750	750	125	702	610	94.0%	93.6%	6 or 8*	6.5	3.5"

* Model 750 extends a maximum of 30 feet at 6", 100 feet at 8".

Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87206	383-600-330 SLIMFIT 550 S3 COMMERCIAL BOILER	
1	EA	87207	383-600-331 SLIMFIT 750 S3 COMMERCIAL BOILER	

Accessories

12	EA	87253	592-900-002 X100 (275 ML. TUBE) CORROSION INHIBITOR	
1	EA	87198	592-900-005 X-100 INHIBITOR QUICK TEST KIT	

WEIL-McLAIN
A United Dominion Company

LGB Atmospheric Boilers

Commercial, Gas-Fired, Water and Steam



- 81% operating efficiency saves energy. The LGB is the highest efficiency cast iron atmospheric gas boiler available. Exceeds efficiency requirements of ASHRAE 90.1.
- Cast iron sections for corrosion resistance and long life.
- Compact design saves valuable space. Unit is only 50-3/8" high, allowing more headroom for piping and venting.
- Patented section sealing method. Short draw rods and sealing rope speed section assembly to reduce installation time.
- Extra-large 9" top port opening forms an internal header for better water circulation. Large steaming area assures rapid generation of dry steam.
- Simplified piping. The largst LGB steam boiler requires only two risers.
- AGA design certified for natural and propane gas. Ratings approved by The Hydronics Institute Division of GAMA (I=B=R) for natural and propane gas. (GW Berkheimer stocks natural gas models only.)
- Factory assembled gas train located within the boiler jacket. All LGB-6 through -23 boilers are capable of low-high-low or staged firing with an additional operating limit control.
- Factory-assembled base and burners reduce installation time.
- Built-in air separator in water boilers. Air is diverted to the expansion tank through a 1" tapping next to supply outlet.
- Steel jacket with durable powdercoat finish. Completely insulated. Designed for fast installation.
- 10 year limited warranty covers cast iron sections.
- 1 year parts warranty.

Ratings

Model No.	C.S.A Input MBH	C.S.A. Gross Output MBH	Net I=B=R Rating				LGB Tappings			Draft Hood Outlet(s)	
			Steam MBH	Steam Sq. Ft.	Water MBH	Boiler H.P.	Supply (In.)	Return (In.)	Approx. Shipping Weight (Lbs.)	Qty.	Size (In.)
LGB-4	400	324.0	243	1,013	282	9.7	2 to 6	2 to 5	1,185	1	10
LGB-5	520	421.2	316	1,317	366	12.6	2 to 6	2 to 5	1,455	1	12
LGB-6	650	526.5	395	1,645	458	15.7	2 to 6	2 to 5	1.725	1	12
LGB-7	780	631.8	474	1,975	549	18.9	2 to 6	2 to 5	2,005	1	12
LGB-8	910	737.1	553	2,305	641	22.0	2 to 6	2 to 5	2,290	1	14
LGB-9	1,040	842.4	632	2,635	733	25.2	2 to 6	2 to 5	2,560	1	14
LGB-10	1,170	947.7	711	2,965	824	28.3	2 to 6	2 to 5	2,800	1	16
LGB-11	1,300	1,053.0	790	3,290	915	31.5	2 to 6	2 to 5	3,105	1	16
LGB-12	1,430	1,158.3	869	3,620	1,007	34.6	2 to 6	2 to 5	3,365	1	16
LGB-13	1,560	1,263.6	949	3,955	1,099	37.8	2 to 6	2 to 5	3,785	2	12
LGB-14	1,690	1,368.9	1,035	4,313	1,190	40.9	2 to 6	2 to 5	4,085	2	1 - 12 1 - 14
LGB-15	1,820	1,474.2	1,123	4,679	1,282	44.0	2 to 6	2 to 5	4,355	2	14
LGB-16	1,950	1,579.5	1,211	5,046	1,373	47.2	2 to 6	2 to 5	4,725	2	14
LGB-17	2,080	1,684.8	1,298	5,408	1,465	50.3	2 to 6	2 to 5	4,975	2	14
LGB-18	2,210	1,790.1	1,386	5,775	1,557	53.5	2 to 6	2 to 5	5,270	2	1 - 14 1 - 16
LGB-19	2,340	1,895.4	1,470	6,125	1,648	56.6	2 to 6	2 to 5	5,540	2	16
LGB-20	2,470	2,000.7	1,553	6,471	1,740	59.8	2 to 6	2 to 5	5,820	2	16
LGB-21	2,600	2,106.0	1,635	6,813	1,831	62.9	2 to 6	2 to 5	6,080	2	16
LGB-22	2,730	2,211.3	1,717	7,154	1,923	66.1	2 to 6	2 to 5	6,365	2	16
LGB-23	2,860	2,316.6	1,799	7,496	2,014	69.2	2 to 6	2 to 5	6,625	2	16

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Water Boilers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	851	LGB-4-WN5 400 MBTU INPUT BOILER W/WATER TRIM
1	EA	853	LGB-5-WN5 520 MBTU INPUT BOILER W/WATER TRIM
1	EA	855	LGB-6-WN5 650 MBTU INPUT BOILER W/WATER TRIM
1	EA	857	LGB-7-WN5 780 MBTU INPUT BOILER W/WATER TRIM
1	EA	859	LGB-8-WN5 910 MBTU INPUT BOILER W/WATER TRIM
1	EA	861	LGB-9-WN5 1040 MBTU INPUT BOILER W/WATER TRIM
1	EA	863	LGB-10-WN5 1170 MBTU INPUT BOILER W/WATER TRIM
1	EA	865	LGB-11-WM5 1300 MBTU INPUT BOILER W/WATER TRIM
1	EA	867	LGB-12-WN5 1430 MBTU INPUT BOILER W/WATER TRIM
1	EA	869	LGB-13-WN5 1560 MBTU INPUT BOILER W/WATER TRIM
1	EA	871	LGB-14-WN5 1690 MBTU INPUT BOILER W/WATER TRIM
1	EA	873	LGB-15-WN5 1820 MBTU INPUT BOILER W/WATER TRIM
1	EA	875	LGB-16-WN5 1950 MBTU INPUT BOILER W/WATER TRIM
1	EA	877	LGB-17-WN5 2080 MBTU INPUT BOILER W/WATER TRIM
1	EA	879	LGB-18-WN5 2210 MBTU INPUT BOILER W/WATER TRIM
1	EA	881	LGB-19-WN5 2340 MBTU INPUT BOILER W/WATER TRIM
1	EA	883	LGB-20-WN5 2470 MBTU INPUT BOILER W/WATER TRIM
1	EA	885	LGB-21-WN5 2600 MBTU INPUT BOILER W/WATER TRIM
1	EA	887	LGB-22-WN5 2730 MBTU INPUT BOILER W/WATER TRIM
1	EA	889	LGB-23-WN5 2860 MBTU INPUT BOILER W/WATER TRIM

Steam Boilers

1	EA	850	LGB-4-SN5 400 MBTU INPUT BOILER W/STEAM TRIM
1	EA	852	LGB-5-SN5 520 MBTU INPUT BOILER W/STEAM TRIM
1	EA	854	LGB-6-SN5 650 MBTU INPUT BOILER W/STEAM TRIM
1	EA	856	LGB-7-SN5 780 MBTU INPUT BOILER W/STEAM TRIM
1	EA	858	LGB-8-SN5 910 MBTU INPUT BOILER W/STEAM TRIM
1	EA	860	LGB-9-SN5 1040 MBTU INPUT BOILER W/STEAM TRIM
1	EA	862	LGB-10-SN5 1170 MBTU INPUT BOILER W/STEAM TRIM
1	EA	864	LGB-11-SN5 1300 MBTU INPUT BOILER W/STEAM TRIM
1	EA	866	LGB-12-SN5 1430 MBTU INPUT BOILER W/STEAM TRIM
1	EA	868	LGB-13-SN5 1560 MBTU INPUT BOILER W/STEAM TRIM
1	EA	870	LGB-14-SN5 1690 MBTU INPUT BOILER W/STEAM TRIM
1	EA	872	LGB-15-SN5 1820 MBTU INPUT BOILER W/STEAM TRIM
1	EA	874	LGB-16-SN5 1950 MBTU INPUT BOILER W/STEAM TRIM
1	EA	876	LGB-17-SN5 2080 MBTU INPUT BOILER W/STEAM TRIM
1	EA	878	LGB-18-SN5 2210 MBTU INPUT BOILER W/STEAM TRIM
1	EA	880	LGB-19-SN5 2340 MBTU INPUT BOILER W/STEAM TRIM
1	EA	882	LGB-20-SN5 2470 MBTU INPUT BOILER W/STEAM TRIM
1	EA	884	LGB-21-SN5 2600 MBTU INPUT BOILER W/STEAM TRIM
1	EA	886	LGB-22-SN5 2730 MBTU INPUT BOILER W/STEAM TRIM
1	EA	888	LGB-23-SN5 2860 MBTU INPUT BOILER W/STEAM TRIM

WEIL-McLAIN
A United Dominion Company

LGB Boiler Components

Boiler Components

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68428	313-300-109 LEFT END SECTION	
1	EA	68429	313-300-110 INTERMEDIATE SECTION	
1	EA	68431	313-300-111 RIGHT END SECTION	
1	EA	68438	383-300-003 A-4 BOX	
1	EA	68462	383-300-004 A-5 BOX	
1	EA	68465	383-300-005 A-A BOX	
1	EA	68466	383-300-010 A-B BOX	
1	EA	68467	383-300-015 A-C BOX	
1	EA	68487	383-300-020 A-D BOX	
1	EA	68490	383-300-025 A-E BOX	
1	EA	68499	383-300-030 A-F BOX	
1	EA	68508	383-300-035 A-G BOX	
1	EA	68577	383-300-038 SIZE 4 BASE ASSEMBLY	
1	EA	68578	383-300-039 SIZE 5 BASE ASSEMBLY	
1	EA	68600	383-300-040 SIZE A BASE ASSEMBLY	
1	EA	68601	383-300-045 SIZE B BASE ASSEMBLY	
1	EA	68604	383-300-050 SIZE C BASE ASSEMBLY	
1	EA	68605	383-300-055 SIZE D BASE ASSEMBLY	
1	EA	68606	383-300-060 SIZE E BASE ASSEMBLY	
1	EA	68607	383-300-065 SIZE F BASE ASSEMBLY	
1	EA	68620	383-300-070 SIZE G BASE ASSEMBLY	
1	EA	68943	383-300-110 LGB SPECIAL CONTROLS	
1	EA	68944	383-300-114 WATER TRIM 4&5	
1	EA	68945	383-300-115 WATER TRIM 6-9	
1	EA	68946	383-300-120 WATER TRIM 10-13	
1	EA	68947	383-300-125 WATER TRIM 14-20	
1	EA	68948	383-300-130 WATER TRIM 21-23	
1	EA	68949	383-300-135 STEAM TRIM 4-7	
1	EA	68950	383-300-140 STEAM TRIM 8-12	
1	EA	68951	383-300-145 STEAM TRIM 13-19	
1	EA	68952	383-300-150 STEAM TRIM 20-23	
1	EA	68626	383-300-165 END PANEL BASE ASSEMBLY	
1	EA	68797	383-300-255 LGB 5 S2 CSD1 5WC NG CONTROLS	
1	EA	68898	383-300-260 5" W.C. CONTROLS A&B (NON CSD1)	
1	EA	68899	383-300-262 5" W.C. CONTROLS C&D (NON CSD1)	
1	EA	68915	383-300-264 5" W.C. CONTROLS E (NON CSD1)	
1	EA	68916	383-300-266 5" W.C. CONTROLS F&G (NON CSD1)	
1	EA	68917	383-300-268 5" W.C. CONTROLS H (NON CSD1)	
1	EA	68931	383-300-272 5" W.C. CONTROLS J (NON CSD1)	
1	EA	68932	383-300-274 5" W.C. CONTROLS K (NON CSD1)	
1	EA	68933	383-300-276 5" W.C. CONTROLS M (NON CSD1)	
1	EA	68934	383-300-278 5" W.C. CONTROLS N (NON CSD1)	
1	EA	68942	383-300-280 5" W.C. CONTROLS O	
1	EA	87376	383-300-493 LGB S2 CSD1 5WC I NG CONTROL	
1	EA	68632	413-300-000 LGB STANDARD JACKET	
1	EA	68652	413-300-002 LGB-S JACKET CARTON	
1	EA	68699	413-300-003 LGB-T JACKET CARTON	
1	EA	68702	413-300-004 LGB-U JACKET CARTON	
1	EA	68720	413-300-005 LGB-V JACKET CARTON	
1	EA	68723	413-300-006 LGB-W JACKET CARTON	
1	EA	68731	413-300-007 LGB-X JACKET CARTON	
1	EA	68734	413-300-008 LGB-Y JACKET CARTON	
1	EA	68741	413-300-009 LGB JACKET SPLICE CARTON	
1	EA	68634	413-300-010 LGB-4 JACKET CARTON	
1	EA	68650	413-300-011 LGB-5 JACKET CARTON	
1	EA	68888	443-300-098 DRAFT HOOD 4	
1	EA	68889	443-300-099 DRAFT HOOD 5	
1	EA	68890	443-300-100 DRAFT HOOD A	
1	EA	68891	443-300-101 DRAFT HOOD B	
1	EA	68892	443-300-102 DRAFT HOOD C	
1	EA	68893	443-300-103 DRAFT HOOD D	
1	EA	68894	443-300-104 DRAFT HOOD E	
1	EA	68895	443-300-105 DRAFT HOOD F	
1	EA	68896	443-300-106 DRAFT HOOD G	

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Boiler Components (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68751	450-019-851 COLLECTOR HOOD A	
1	EA	68769	450-019-852 COLLECTOR HOOD B	
1	EA	68771	450-019-853 COLLECTOR HOOD C	
1	EA	68777	450-019-854 COLLECTOR HOOD D	
1	EA	68812	450-019-855 COLLECTOR HOOD E	
1	EA	68824	450-019-856 COLLECTOR HOOD F	
1	EA	68887	450-019-857 COLLECTOR HOOD G	
1	EA	68746	450-019-858 COLLECTOR HOOD 4	
1	EA	68749	450-019-859 COLLECTOR HOOD 5	
1	EA	68953	511-114-474 #61 LOW WATER CUTOFF (STEAM ONLY)	

CSD-1 Control System Components

1	EA	65460	150S-MD HIGH PRESSURE LEVEL CONTROL	
1	EA	68797	383-300-255 LGB 5 S2 CSD1 5WC NG CONTROLS	
1	EA	68798	383-300-483 LGB S2 CSD1 5WC A&B NG CONTROL	
1	EA	68799	383-300-485 LGB S2 CSD1 5WC C&D NG CONTROL	
1	EA	87373	383-300-487 LGB S2 CSD1 5WC E NG CONTROLS	
1	EA	87374	383-300-489 LGB S2 CSD1 5WC F&G NG CONTROL	
1	EA	87375	383-300-491 LGB S2 CSD1 5WC H NG CONTROL	
1	EA	87376	383-300-493 LGB S2 CSD1 5WC I NG CONTROL	
1	EA	87377	383-300-495 LGB S2 CSD1 5WC J NG CONTROL	
1	EA	87378	383-300-496 LGB S2 CSD1 5WC K NG CONTROL	
1	EA	87485	383-300-497 LGB S2 CSD1 5WC M NG CONTROL	
1	EA	87486	383-300-498 LBG S2 CSD1 5WC N NG CONTROL	
1	EA	68957	383-300-540 CSD-1 NAT CONTROL PANEL	
1	EA	68990	510-312-041 L4006E 1000 AQUASTAT	
1	EA	65459	63M LOW WATER CUT-OFF W/MAUAL RESET	
1	EA	65986	80160718 751P-MT-120 LOW WATER CUT-OFF F/HOT WATER	
1	EA	70567	L4079B1033/U PRESSURETROL	

WEIL-McLAIN
A United Dominion Company

EGH-PIN High Efficiency Atmospheric Boiler Packages

Commercial, Gas-Fired, Steam



- Factory assembled section block.
- Insulated extended jacket.
- Horizontal to vertical draft hood.
- Non-linting pilot burner.
- Combination gas valve and regulator.
- Stainless steel burners.
- 40 VA transformer.
- Intermittent electronic ignition system.
- 15 P.S.I. ASME relief valve.
- High limit pressure control.
- Probe low water cut-off.
- Pressure gauge.
- Gauge cocks and glass.
- Vent damper can be used (optional).

Note: A.G.A. design certified for installation on non-combustible flooring only.

Ratings

Model	Input Maximum (MBH)	Input Minimum (MBH)	Gross Steam Output (MBH)	Net Steam (Sq Ft)	Net Stem (MBH)	Flue Outlet Diameter (In)	Boiler Water/Steam Content (Gallons)	Approx. Shipping Weight (Lbs)
EGH-105	405	405	312	977	234	10	18.2	1005
EGH-115	450	450	347	1085	260	12	19.6	1095
EGH-125	495	495	382	1193	287	12	21	1185
EGH-85	315	315	243	760	182	9	15.4	825
EHG-95	360	360	278	868	209	10	16.8	915

EGH-PIN Atmospheric Gas Boiler Packages

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	816	EGH-85-PIN 315 MBH INPUT STEAM BOILER NAT GAS	
1	EA	817	EGH-95-PIN 360 MBH INPUT STEAM BOILER NAT GAS	
1	EA	818	EGH-105-PIN 405 MBH INPUT STEAM BOILER NAT GAS	
1	EA	819	EGH-115-PIN 450 MBH INPUT STEAM BOILER NAT GAS	
1	EA	820	EGH-125-PIN 495 MBH INPUT STEAM BOILER NAT GAS	

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Steam Trim Package

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68147	381-700-344 STEAM TRIM PKG FOR EGH BOILERS	

EGH Boiler Components

1	EA	89380	321-711-105 EGH-85 S/A NO TNKLESS OPNING	
1	EA	89381	321-711-115 EGH-95 S/A NO TNKLESS OPNING	
1	EA	89382	321-711-125 EGH-105 S/A NO TNKLESS OPNING	
1	EA	89383	321-711-135 EGH-115 S/A NO TNKLESS OPNING	
1	EA	89384	321-711-145 EGH-125 S/A NO TNKLESS OPNING	
1	EA	89385	381-700-241 EGH-85 BASE PANELS	
1	EA	89386	381-700-246 EGH-95 BASE PANELS	
1	EA	89387	381-700-251 EGH-105 BASE PANELS	
1	EA	89388	381-700-256 EGH-115 BASE PANELS	
1	EA	89389	381-700-261 EGH-125 BASE PANELS	
1	EA	89390	381-700-505 EGH-85 BASE ASSEMBLY	
1	EA	89391	381-700-506 EGH-95 BASE ASSEMBLY	
1	EA	89392	381-700-507 EGH-105 BASE ASSEMBLY	
1	EA	89393	381-700-508 EGH-115 BASE ASSEMBLY	
1	EA	89394	381-700-509 EGH-125 BASE ASSEMBLY	
1	EA	89395	381-700-510 EGH85-95 PIN GAS CONTROLS	
1	EA	89396	381-700-511 EGH105-125 PIN GAS CONTROLS	
1	EA	89397	411-800-261 EGH-85 JACKET	
1	EA	89398	411-800-271 EGH-95 JACKET	
1	EA	89399	411-800-281 EGH-105 JACKET	
1	EA	89400	411-800-291 EGH-115 JACKET	
1	EA	89401	411-800-301 EGH-125 JACKET	
1	EA	89402	450-206-240 EGH-85 DRAFT HOOD	
1	EA	89407	450-014-750 EGH-85 COLLECTOR HOOD	
1	EA	89408	450-014-751 EGH-95 COLLECTOR HOOD	
1	EA	89409	450-014-752 EGH-105 COLLECTOR HOOD	
1	EA	89410	450-014-753 EGH-115 COLLECTOR HOOD	
1	EA	89411	450-014-754 EGH-125 COLLECTOR HOOD	
1	EA	89403	450-206-241 EGH-95 DRAFT HOOD	
1	EA	89404	450-206-242 EGH-105 DRAFT HOOD	
1	EA	89405	450-206-243 EGH-115 DRAFT HOOD	
1	EA	89406	450-206-244 EGH-125 DRAFT HOOD	

EGH Accessories

1	EA	89413	510-811-410 EGH85-95 S5 NG TO LP CONV KIT	
1	EA	89414	510-811-412 EGH105-125 S5 NG TO LP CONVKIT	

WEIL-McLAIN
A United Dominion Company

EG-PIDN Atmospheric Gas Boiler

Residential, Water or Steam



- Factory assembled block
- Cast iron sections
- Built-in air separator
- 30 PSI ASME relief valve (water)
- 15 PSI ASME relief valve (steam)
- Stainless steel burners
- Intermittent electronic ignition
- Automatic vent damper
- Thermal fuse element
- Spill switch
- Combination gas valve and regulator
- High limit pressure control (steam)
- High limit temperature control (steam)
- Combination relay and 40VA transformer (water)
- Gauge cocks and glass (steam)
- Probe low water cut-off (steam)
- Pressure gauge (steam)
- Syphon (steam)
- Insulated extended jacket
- Electrical junction box
- Horizontal to vertical draft hood
- Limited lifetime warranty (water)
- 10 year warranty (steam)

Model	EG-30	EG-35	EG-40	EG-45	EG-50	EG-55	EG-65
C.S.A Input (MBH)	75	100	125	150	175	200	250
DOE Heating Cap (MBH)	62	83	104	125	145	167	209
Net I=B=R Steam (MBH/Sq. Ft.)	47/196	62/258	78/325	94/392	109/454	125/521	157/654
Net I=B=R Water (MBH)	55	73	91	110	128	146	183
AFUE Water (%)	84.3	83.6	84.0	83.5	83.8	83.8	83.0
AFUE Steam (%)	83	83.6	82.9	82.9	82.8	82.8	84.0
I=B=R Chimney Rect. (In. I.D. x Ft.)	5 x 20	5 x 20	6 x 20	6 x 20	7 x 20	7 x 20	8 x 20
Supply Tappings (In. NPT)	2–3	2–3	2–3	2–3	2–3	2–3	2–3
Return Tappings (In. NPT)	2–2-1/2	2–2-1/2	2–2-1/2	2–2-1/2	2–2-1/2	2–2-1/2	2–2-1/2
Gas Conn. Size/Nat. Gas & Propane (In.)	1/2	1/2	1/2	1/2	1/2	1/2	1/4
Water Supply & Return (In.)	1	1	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2
Steam Riser & Header (In.)	2	2	2-1/2	2-1/2	2-1/2	3	3
Steam Equalizer (In.)	1/1/2002	1–1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
Water Volume – Water (Gal.)	12.3	12.3	14.8	14.8	17.3	17.3	19.8
Water Volume – Steam (Gal.)	8.4	8.4	9.8	9.8	11.2	11.2	12.6
Approx. Ship Weight (Lbs.)	410	410	500	500	590	590	680

Intermittent Electronic Ignition with Damper, Natural Gas without Tankless Heater Openings — Trim Package Required

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88300	EG-30-PIDN 75 MBTU INPUT BOILER LESS TRIM PKG	

Trim Packages

1	EA	88308	381-800-837 EG30-75 STEAM TRIM PKG PI HYDRO #400	
1	EA	88309	381-800-835 EG35-75 WATER TRIM PKG PI-NO TANKLESS	

EG Steam Boiler Packages

1	EA	821	EG-30-PIDN 75 MBH INPUT STEAM BOILER NAT GAS	
1	EA	822	EG-35-PIDN 100 MBH INPUT STEAM BOILER NAT GAS	
1	EA	823	EG-40-PIDN 125 MBH INPUT STEAM BOILER NAT GAS	
1	EA	824	EG-45-PIDN 150 MBH INPUT STEAM BOILER NAT GAS	
1	EA	825	EG-50-PIDN 175 MBH INPUT STEAM BOILER NAT GAS	
1	EA	826	EG-55-PIDN 200 MBH INPUT STEAM BOILER NAT GAS	
1	EA	827	EG-65-PIDN 250 MBH INPUT STEAM BOILER NAT GAS	
1	EA	828	EG-75-PIN 299 MBH INPUT STEAM BOILER NAT GAS	

EG Water Boiler Packages

1	EA	829	EG-30-PIDN 75 MBH INPUT WATER BOILER NAT GAS	
1	EA	830	EG-35-PIDN 100 MBH INPUT WATER BOILER NAT GAS	
1	EA	831	EG-40-PIDN 125 MBH INPUT WATER BOILER NAT GAS	
1	EA	832	EG-45-PIDN 150 MBH INPUT WATER BOILER NAT GAS	
1	EA	833	EG-50-PIDN 175 MBH INPUT WATER BOILER NAT GAS	
1	EA	834	EG-55-PIDN 200 MBH INPUT WATER BOILER NAT GAS	
1	EA	835	EG-65-PIDN 250 MBH INPUT WATER BOILER NAT GAS	
1	EA	836	EG-75-PIDN 299 MBH INPUT WATER BOILER NAT GAS	

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EG Boiler Components

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89309	321-811-115 EG40-45 S/A NO TANKLESS OPNING	
1	EA	89310	321-811-125 EG50-55 S/A NO TANKLESS OPNING	
1	EA	89311	321-811-135 EG-65 S/A NO TANKLESS OPENING	
1	EA	89312	321-811-145 EG-75 S/A NO TANKLESS OPENING	
1	EA	89336	381-800-475 VENT DAMPER 5" (EG30-35)	
1	EA	89337	381-800-476 VENT DAMPER 6" (EG40-45)	
1	EA	89338	381-800-477 VENT DAMPER 7" (EG50-55)	
1	EA	89339	381-800-478 VENT DAMPER 8" (EG65-75)	
1	EA	89313	381-800-827 EG-30 BASE ASSEMBLY	
1	EA	89314	381-800-828 EG-35 BASE ASSEMBLY	
1	EA	89315	381-800-829 EG-40 BASE ASSEMBLY	
1	EA	89316	381-800-830 EG-45 BASE ASSEMBLY	
1	EA	89317	381-800-831 EG-50 BASE ASSEMBLY	
1	EA	89318	381-800-832 EG-55 BASE ASSEMBLY	
1	EA	89319	381-800-833 EG-65 BASE ASSEMBLY	
1	EA	89320	381-800-834 EG-75 BASE ASSEMBLY	
1	EA	89321	381-800-823 EG30-50 PIDN GAS CONTROLS	
1	EA	89322	381-800-824 EG-55 PIDN GAS CONTROLS	
1	EA	89323	381-800-825 EG-65 PIDN GAS CONTROLS	
1	EA	89324	381-800-826 EG-75 PIN GAS CONTROLS	
1	EA	89325	411-800-075 EG30-35 JACKET	
1	EA	89326	411-800-076 EG40-45 JACKET	
1	EA	89327	411-800-077 EG50-55 JACKET	
1	EA	89328	411-800-078 EG-65 JACKET	
1	EA	89340	411-800-079 EG-75 JACKET	
1	EA	89341	450-021-255 EG-30 DRAFT HOOD	
1	EA	89329	450-021-256 EG-35 DRAFT HOOD	
1	EA	89330	450-021-257 EG-40 DRAFT HOOD	
1	EA	89331	450-021-258 EG-45 DRAFT HOOD	
1	EA	89332	450-021-259 EG-50 DRAFT HOOD	
1	EA	89333	450-021-260 EG-55 DRAFT HOOD	
1	EA	89334	450-021-261 EG-65 DRAFT HOOD	
1	EA	89335	450-021-262 EG-75 DRAFT HOOD	

WEIL-McLAIN
A United Dominion Company

CGa-PIDN Atmospheric Gas Packaged Boiler

Residential, Water Only



Standard Equipment

- Factory tested.
- Insulated extended jacket.
- Built-in air separator.
- Vertical draft hood.*
- Non-linting pilot burner.
- Stainless steel burners.
- Combination gas valve and regulator.
- Combination relay receptacle and 40 VA transformer.
- Spill switch.*
- Rollout thermal fuse element.
- High limit temperature control.
- Circulator.
- 30 P.S.I. ASME relief valve (boiler sections tested for 50 P.S.I. working pressure).
- Drain valve.*
- Automatic vent damper.*

* Standard equipment included but not assembled on boiler or wired at factory.

- Combination pressure-temperature gauge.
- Constant burning, thermally supervised pilot.
- Thermocouple.
- LP conversion kit available.

Draft Hood

- CGA-25 through CGA-6 shipped in crate with boiler.
- CGA-7 and CGA-8 shipped separate from boiler crate.

Taco Circulator

- Shipped in carton inside of boiler crate for field installation.
- Drain valve and fittings in carton inside of boiler crate.
- 40" circulator harness wired to 2 x 4 junction box mounted to external boiler jacket.

Ratings—All Models

Model No.	A.G.A. Input MBH	% DOE Seasonal Efficiency (AFUE) Intermittent Ignition with Damper Nat. Gas (PIDN)	DOE Heating Capacity MBH	Net I=B=R Rating MBH	Approximate Shipping Weight (Lbs.)	I=B=R Chimney Size
CGa-25	52	84.0	44	38	200	4" I.D. x 20'
CGa-3	70	84.0	59	51	200	4" I.D. x 20'
CGa-4	105	84.0	88	77	240	5" I.D. x 20'
CGa-5	140	83.5	117	102	280	6" I.D. x 20'
CGa-6	175	83.2	146	127	325	6" I.D. x 20'
CGa-7	210	83.0	175	152	370	7" I.D. x 20'
CGa-8	245	82.7	204	177	425	7" I.D. x 20'

Series 2, Intermittent Ignition with Damper, Natural Gas

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68042	CGA-25-PIDN 52 MBTU INPUT BOILER	
1	EA	68043	CGA-3-PIDN 70 MBTU INPUT BOILER	
1	EA	68044	CGA-4-PIDN 105 MBTU INPUT BOILER	
1	EA	68045	CGA-5-PIDN 140 MBTU INPUT BOILER	
1	EA	68046	CGA-6-PIDN 175 MBTU INPUT BOILER	
1	EA	68047	CGA-7-PIDN 210 MBTU INPUT BOILER W/DRAFT HOOD	

LP Conversion Kits for Intermittent (Spark) Pilot CGa Boilers

1	EA	89351	510-811-939 CGA-8 NG TO LP CONV KIT	
1	EA	89577	510-811-946 CGA NG TO LP CONV KIT	

WEIL-McLAIN
A United Dominion Company

CGi High Efficiency Gas Induced Draft Boiler

Residential, Water Only



- Factory tested.
- Insulated steel jacket.
- Built-in air separator.
- Flue gas collector/transition assembly.
- Induced draft blower assembly.
- Wiring harness.
- Combination gas valve for 24V.
- Radiation plates.
- Non-linting pilot burner.
- Aluminized steel burners.
- Intermittent electronic ignition system.
- Combination relay and 40VA transformer.
- Extended electrical junction box.
- Air pressure switch.
- Rollout thermal fuse element.
- High limit temperature control.
- Taco Circulator.
- 30 P.S.I. ASMI: relief valve (boiler sections tested for 50 P.S.I. working pressure).
- Combination pressure-temperature gauge.
- Drain valve.
- LP kit available on request.

Note:

- For sidewall venting only. Use AL29-4C stainless steelvent pipe required for these boilers. Refer to FasNSeal vent material in section two of this catalog. CGI starter required.
- If venting into a chimney, standard B vent can be used. Refer to installation manual.

Ratings—All Models (Up to 83.3% AFUE)

Model No.	A.G.A. Input MBH	DOE Heating Capacity MBH	Net I=B=R Rating MBH	% DOE Seasonal Efficiency (AFUE)	Approximate Shipping Weight (Lbs)
CGI-25	50	42	37	83.0	190
CGI-3	67	56	49	83.3	190
CGI-4	100	84	73	83.0	230
CGI-5	133	111	97	82.7	270
CGI-6	167	139	121	82.4	315
CGI-7	200	166	144	82.1	360

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68103	CGI-25-PIN 50 MBTU INPUT BOILER	
1	EA	68104	CGI-3-PIN 67 MBTU INPUT BOILER	
1	EA	68105	CGI-4-PIN 90 MBTU INPUT BOILER	
1	EA	68106	CGI-5-PIN 120 MBTU INPUT BOILER	
1	EA	68107	CGI-6-PIN 167 MBTU INPUT BOILER	
1	EA	68108	CGI-7-PIN 200 MBTU INPUT BOILER	

GV90+ Cast Iron Gas Boiler

Residential, Water, Sealed Combustion or Direct Exhaust



Factory Tested

- Insulated extended steel jacket
- Cast iron sections with built-in air separator
- Stainless steel secondary heat exchanger with air separator
- Steel base
- Control module with indicator lights
- Blower assembly with observation port
- Gas/air manifold assembly
- Gas/air orifice plate for natural gas (separate plate furnished for conversion to propane)
- Stainless steel burner cone and ring assembly
- Negative regulation gas valve
- Hot surface ignition system
- Air pressure switch

System Circulator

- Built-in bypass circulator system with sensor for temperature control
- Condensate drain trap
- Sidewall vent termination kit
- 40VA transformer
- Electrical junction box
- 30 PSI ASME relief valve (boiler sections and secondary heat exchanger tested for 50 PSI working pressure)
- Water temperature limit switch
- Section block temperature limit switch
- Combination pressure-temperature gauge
- Drain valve
- Flue thermal fuse
- Water treatment-inhibitor and test kit

Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87232	382-200-610 70 MBH GV90+ 3 BOILER S2 T-007	
1	EA	87233	382-200-611 105 MBH GV90+ 4 BOILER S2 T-007	
1	EA	87234	382-200-612 140 MBH GV90+ 5 BOILER S2 T-007	
1	EA	87235	382-200-613 175 MBH GV90+ 6 BOILER S2 T-007	

Condensate Neutralizer Kit

1	EA	87236	383-500-631 CONDENSATE NEUTRALIZER KIT	

ECO High Efficiency Wall Mount Boilers

Residential



- Exceeds Energy Star requirements
- 95% energy efficient, eligible for tax credits and rebates
- Large LCD display makes system set up and navigation simple
- Quick set up for the heat and domestic hot water priority
- Display can be mounted on boiler or wall (up to 2' away)
- Components positioned for fast and easy service of key parts
- Removable control terminal blocks for making electrical connections
- Durable stainless steel fire tube heat exchanger
- Corrosion resistant polypropyulene condensate collection base

Model No.	Input MBTUH		DOE Heating Capacity (MBH)	Net I=B=R Water Ratings (MBH)	DOE Seasonal Efficiency (AFUE %)	Vent Diameter (In)	Vent Material	Boiler Water Content (Gal)
	Max	Min						
ECO70	70	14	65	57	95.2	3	PVC, CPVC, PP, SS	2.5
ECO110	110	22	101	88	95.0	3	PVC, CPVC, PP, SS	2.5
ECO155	155	28	143	124	95.1	3	PVC, CPVC, PP, SS	3.2

Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87359	383-800-003 70 MBH ECO70 BLR NG S2	
1	EA	87360	383-800-004 110 MBH ECO110 BLR NG S2	
1	EA	87361	383-800-005 155 MBH ECO155 BLR NG S2	

Accessories

1	EA	87252	383-800-101 ECO BOILER STAND KIT	
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46	

WEIL-McLAIN
A United Dominion Company

Ultra Condensing High Efficiency Gas Boilers

Residential, Water Only, Precision Hydronic Data Technology



Boiler

- Cast aluminum block
- 30 PSI ASME relief valve
- Drain valve
- Stainless teel burner (80, 105) with woven steel fiber mesh (155, 230, 299, & 399)
- Direct spark ignition
- Variable speed blower assembly
- Venturi mixing system with air silencer
- Negative pressure regulated gas valve
- 50 VA transformer
- Dual scale temp. & pressure gauge
- Outlet water temp. sensor
- Inlet water temp. sensor
- Flue gas temp. sensor
- Outdoor temp. sensor
- System water temp. sensors

Boiler Circulators

- 80 & 105: 1" flanges, Taco 007
- 155 & 230: 1" & 1-1/4" flanges, Taco 0014
- 299: 1-1/4" & 1-1/2" flanges, Taco 0014
- 399: 1-1/4" & 1-1/2" flanges, Taco 0013

Complete Jacket Assembly Includes

- Fully removable jacket front
- Adjustable boiler legs
- Sidewall vent/air termination kit
- On/Off power switch
- Line voltage service receptacle
- Condensate trap with drain tee assembly
- Propane conversion orifice (all exept model 80)

UControl Module

- 3.5" LCD display
- 3 boiler priorities with multiple preset system configurations
- Color-coded removable terminal blocks
- Multiple boiler functionality
- Alarm control functionality
- Ignition control
- High limit & modulating temp. control
- Low water protection
- Outdoor reset
- Ability to control any combination of 3 circulators

Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87362	383-500-732 ULTRA 80 BOILER SERIES 4	
1	EA	87363	383-500-734 ULTRA 105 BOILER SERIES 4	
1	EA	87364	383-500-735 ULTRA 155 BOILER SERIES 4	
1	EA	87365	383-500-736 ULTRA 230 BOILER SERIES 4	
1	EA	87366	383-500-737 ULTRA 299 BOILER SERIES 4	
1	EA	87367	383-500-738 ULTRA 399 BOILER SERIES 4	

Accessories

1	EA	68066	383-500-080 AM3 ALARM CONTROL KIT	
1	EA	68753	383-500-125 OUTDOOR SENSOR F/ULTRA BOILER	
1	EA	87231	383-500-661 1-1/2" ULTRA 155-399 EASY-UP MANIFOLD FOR S1&2	
1	EA	87368	383-500-765 1 1/4" ULTRA 801105 EASY-UP MANIFOLD	
1	EA	87369	383-500-766 1 1/2" ULTRA 155-399 EASY-UP MANIFOLD FOR S3	
1	EA	68065	389-900-180 WALL MOUNT KIT	
1	EA	87238	511-100-005 ULTRA LOW WATER CUT OFF	

Antifreeze and Corrosion Inhibitor

1	EA	95933	35283 5 GAL CRYO-TEK-100AL PROPYLENE GLYCOL	
1	EA	87198	592-900-005 X-100 INHIBITOR QUICK TEST KIT	
1	EA	87253	592-900-012 X100 CORROSION INHIBITOR	

WEIL-McLAIN
A United Dominion Company

Evergreen Condensing Gas Boiler

High-Efficiency, Direct Vent



- Light commercial and large residential applications
- Stainless steel fire tube heat exchanger with non-metallic base
- Natural or LP gas operation
- 10-to-1 turn down ratio
- Low NOx rated
- Up to 8 multiple boiler control with lead/lag rotation
- Floor standing or wall mounted with optional kit
- Easy installation with setup wizard
- Configurable auxiliary input and output system
- Boiler circulator included
- AHRI certified ratings

Model No.	Heating Cap. (MBH)	Net AHRI (MBH)	DOE AFUE %	Combustion Air Connection Dia. (In)	Venting Length (Ft)	Gas Connect. Size (In)	Min. Pipe Size (In)	Capacity (Gal)	Ship Wt. (Lbs)
EVG-70	65	57	95.2	3	100	1/2	1	2.5	125
EVG-110	101	88	95.0	3	100	1/2	1	2.5	125
EVG-155	143	124	95.1	3	100	1/2	1-1/4	3.2	145
EVG 220	206	179	95.0	4	100	3/4	1-1/4	4.6	215
EVG 299	280	243	95.0	4	100	3/4	1-1/2	7.0	260
EVG 399	383*	333	96.5*	4	100	3/4	1-1/2	6.7	260

*EVG399 ratings are gross output and combustion efficiency

Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87370	EVG-70 S1 70 MBH EVERGREEN CONDENSING GAS BLR	
1	EA	87371	EVG-110 S1 110 MBH EVERGREEN CONDENSING GAS BLR	
1	EA	87372	EVG-155 S1 155 MBH EVERGREEN CONDENSING GAS BLR	
1	EA	87190	EVG-220 S1 220 MBH EVERGREEN CONDENSING GAS BLR	
1	EA	87191	EVG-299 S1 299 MBH EVERGREEN CONDENSING GAS BLR	
1	EA	87192	EVG-399 S1 399 MBH EVERGREEN CONDENSING GAS BLR	

Accessories

1	EA	87193	383-900-074 EVERGREEN WALL-MOUNT KIT	
1	EA	87194	383-900-097 EVERGREEN INSPECTION KIT	
1	EA	87195	383-900-071 EVERGREEN 220 MAINTENANCE KIT	
1	EA	87196	383-900-072 EVERGREEN 299 MAINTENANCE KIT	
1	EA	87197	383-900-088 EVERGREEN 399 MAINTENANCE KIT	
1	EA	82884	840-202-837 EVG-70 LP KIT WM97+/ECO 70 LP ORIFICE ASSY	
1	EA	82885	540-131-088 EVG-11- LP KIT ASY-BG ORIFG LP WM97+/ECO 110	
1	EA	82886	540-202-839 EVG-155 LP KIT WM97+/ECO 155 LP ORIFICE ASSY	
1	EA	82887	540-202-840 EVG-220 LP KIT ASY BX VNTI FOR LP EVG-220	
1	EA	82888	540-202-841 EVG-299 LP KIT ASY BX VNTI FOR LP EVG-299	
1	EA	82889	540-202-842 EVG-399 LP KIT ASY BX VNTI FOR LP EVG-399	

WEIL-McLAIN
A United Dominion Company

AquaBalance Combination Water Boiler

High-Efficiency, Wall-Mounted, Heat and DHW



- 94.4% AFUE
- Natural or propane gas operation
- Heavy gauge insulated jacket
- 10-to-1 turn down ratio
- Plug-in ready electrical design
- 24VAC thermostat relay
- ASME certified 316L stainless steel heat exchanger
- AHRI certified ratings
- Max. Input: 155 MBH
- Min. Input : 15.5 MBH
- Vent Outlet: 3" dial
- Capacity: 0.75 gallons

Combination Boiler

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87188	WMB-155C 155 MBH NAT GAS AQUABALANCE COMBI WALL BOILER	

LP Kit

1	EA	87189	640-000-083 NG TO LP KIT FOR AQUABALANCE WMB-155C S1	

WEIL-McLAIN
A United Dominion Company

AquaBalance Series 2 Combination Water Boiler

High-Efficiency, Wall-Mounted, Heat and DHW



- 95.0% AFUE
- Natural or propane gas operation
- Heavy gauge insulated jacket
- 10-to-1 turn down ratio
- Plug-in ready electrical design
- 24VAC thermostat relay
- ASME certified 316L stainless steel heat exchanger
- AHRI certified ratings
- Max. Input: 155 MBH
- Min. Input : 15.5 MBH
- Vent Outlet: 3" dial
- Capacity: 1.33 gallons

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EAC H
1	EA	82890	AB-155C 155 MBH-95%AFUE-NAT GAS AQUABALANCE 155 S2 COMBI	

WEIL-McLAIN
A United Dominion Company

Boiler Parts

Use with Model	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
	1	EA	88812	108198-03 INTELLIGENT BOILER DISPLAY	
CG, CGA, CGI, CGS, CGX	1	EA	66944	321-114-286 CG25/3 SECTION ASSEMBLY	
CG, CGA, CGI, CGS, CGX	1	EA	66945	321-114-287 CG4 SECTION ASSEMBLY	
CG, CGA, CGI, CGS, CGX	1	EA	66946	321-114-288 CG5 SECTION ASSEMBLY	
CG, CGA, CGI, CGS, CGX	1	EA	66947	321-114-289 CG6 SECTION ASSEMBLY	
CG, CGA, CGI	1	EA	69133	321-114-290 CG7 SECTION ASSEMBLY	
CG, CGA, CGI	1	EA	66955	321-114-291 CG8 SECTION ASSEMBLY	
EG (Size 30,35)	1	EA	89308	321-811-095 EG30-35 S/A NO TANKLESS OPNING	
CG,CGA,CGI,CGS,CGT,CGX,WGO	1	EA	88705	380-000-000 60/360F 0/75# 1/4" T&P GUAGE	
CGA	1	EA	88779	381-330-024 CONTROL MODULE	
	1	EA	88775	381-330-025 KIT-S MOD-C UT-1135-700 LWCO	
Ultra, WM97+, ECO	1	EA	88776	381-330-026 KIT-S MOD-C UT-1135-605 LWCO	
CGA	1	EA	88778	381-330-027 IGNITION BOARD	
CGI	1	EA	88777	381-330-028 CONTROL MODULE	
CGI	1	EA	87258	381-354-580 INDUCER FAN ASSY	
CGI, CGS	1	EA	61711	381-356-499 INDUCER ASSEMBLY FOR CGI	
CGA (Size 3, 4, 5, 6, 7, 8, 25)	1	EA	87269	381-356-534 LP GAS VALVE(511-044-258)	
CGA, CGI, GV90+	1	EA	88767	381-356-577 SUPPLY TEMPERATURE SENSOR	
CGA	1	EA	88716	381-356-586 12K OHM OUTDOOR AIR SENSOR	
CG, CGA, CGX	1	EA	89415	381-800-474 VENT DAMPER 4"	
GV	1	EA	88749	382-200-317 1.25" WC SPST PRESSURE SWITCH	
GV (Size 4)	1	EA	88755	382-200-325 BURNER REPLACEMENT KIT	
GV (Size 6)	1	EA	88723	382-200-335 BURNER REPLACEMENT KIT	
GV	1	EA	68534	382-200-340 BLOWER MTR/HSG ASSY	
GV	1	EA	68647	382-200-345 BLOWER MOTOR	
GV	1	EA	88740	382-200-350 VENT ELL REPLACEMENT KIT	
GV	1	EA	68535	382-200-375 BLOCK TEMP SWITCH KIT	
GV	1	EA	68536	382-200-410 GAS VALVE REPL KIT	
GV	1	EA	88702	382-200-411 24V 1/2" GAS VALVE	
AHE, GV, HE II	1	EA	68575	382-200-448 CTL MOD REPL KIT	
HE, HE II, VHE	1	EA	87287	382-200-449 KIT-C GOLD MOD-C NG HE/VHE	
HE, VHE	1	EA	88756	382-200-450 RETROFIT KIT	
HE, VHE	1	EA	88707	382-200-451 RETROFIT KIT IGNITION	
HE, HE II, VHE	1	EA	68648	382-930-216 HOT SURFACE IGNITOR	
LGB	1	EA	88768	383-300-405 SECTION REPL KIT FOR 1 JOINT	
LGB	1	EA	88732	383-300-425 GAS VALVE CONVERSION KIT	
Ultra(Gas/Commercial)(Series1&2)	1	EA	88730	383-500-020 INSPECTION GLASS KIT	
Ultra 155	1	EA	68768	383-500-025 GAS VALVE KIT F/ULTRA 155	
Ultra 230	1	EA	68770	383-500-030 GAS VALVE KIT F/ULTRA 230	
Ultra 155	1	EA	68752	383-500-035 BLOWER ASSY F/ULTRA 155	
Ultra 230	1	EA	68755	383-500-040 BLOWER ASSY F/ULTRA 230	
Ultra 80/105/155/230/299/310	1	EA	68785	383-500-045 IGNITION ELECTRODE KIT	
Ultra (Gas)	1	EA	88724	383-500-050 CABLE	
Ultra 80/105/155/230/299/310	1	EA	68786	383-500-055 FLUE TEMPERATURE SENSOR KIT	
Ultra (Size 155)	1	EA	88757	383-500-085 BURNER REPLACEMENT KIT	
Ultra (Gas)	1	EA	88773	383-500-095 3/4" M 30# RELIEF VALVE	
Ultra 80/105/155/230/299/310	1	EA	69062	383-500-133 DOOR GASKET REPLACEMENT KIT	
Ultra 80/105/155/230	1	EA	68750	383-500-190 ULTRA 80 THRU 230 S1&2 ULTRA CONTROL MODULE (MCBA)	
Ultra (Gas)	1	EA	88310	383-500-191 ULTRA 310 ONLY S1&2 ULTRA CONTROL MODULE (MCBA)	
Ultra (Gas)	1	EA	88750	383-500-195 TRANSFORMER	
Ultra (Gas)	1	EA	88734	383-500-210 PRESSURE/TEMPERATURE GAUGE	
Ultra 155/230/310	1	EA	66386	383-500-250 COVER PLATE INSLTN F/ ULTRA 155, 230, & 310	
Ultra 155/230/310	1	EA	66395	383-500-255 COVER PLATE GSKT F/ ULTRA 155, 230, & 310	
Ultra 80/105/155/230/299/310	1	EA	69081	383-500-260 28 MM WATER COMPRESSION FTG F/ ULTRA	
Ultra 80/105/155/230/299/310	1	EA	66762	383-500-300 WATER SENSOR F/ULTRA BOILER	
Ultra 80/105/155/230/299/310	1	EA	69054	383-500-345 PLUG REPLACEMENT KIT	
Ultra 310	1	EA	69026	383-500-360 BLOWER ASSY F/ULTRA 310	
Ultra 310	1	EA	66976	383-500-390 GAS VALVE KIT F/ ULTRA 310	
Ultra 155/230/310	1	EA	69050	383-500-395 COVER PLATE REPLACEMENT KIT	
Ultra 80/105/155/230/299/310	1	EA	69117	383-500-408 DISPLAY BOARD KIT F/ ULTRA	
All Ultra Boilers	1	EA	88725	383-500-600 FLUE TEMP SENSOR KIT	
Ultra (Gas/Commercial)	1	EA	88751	383-500-601 SYSTEM TEMPERATURE SENSOR	
Ultra Gas/Comm Size 550,750	1	EA	87297	383-500-602 RETURN/SUPPLY SENSOR KIT	
All Ultras	1	EA	87209	383-500-603 KIT-S FUSE 3A 32VDC	
All Ultras	1	EA	87210	383-500-604 KIT-S FUSE 12A 250V S-BLOW	
Ultra 80/105	1	EA	87228	383-500-605 MAINTENANCE KIT FOR ULTRA 80 AND 105	

Continued on the Following Page

Boiler Parts (Continued)

Use with Model	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Ultra (Gas/Commercial)	1	EA	88726	383-500-619 IGNITION CABLE KIT	
Ultra 155/230/299/310	1	EA	87229	383-500-620 MAINTENANCE KIT FOR ULTRA 155 THROUGH 399	
Ultra (Gas)	1	EA	87298	383-500-630 PRESSURE/TEMP GAUGE ASSY	
All Ultras	1	EA	87211	383-500-642 KIT-S U-CONTROL BLK-T	
Ultra 80/105/155/230/299/310	1	EA	64894	383-500-658 ULTRA SERIES 3 AND UP U CONTROL ULTRA SERIES 3&4	
Ultra 550/750	1	EA	87212	383-500-659 DISPLAY HOUSING WITH LCD	
Ultra 80/105	1	EA	69023	383-501-027 BLOWER ASSY F/ULTRA 80/105	
Ultra 80	1	EA	66958	383-501-029 GAS VALVE KIT F/ ULTRA 80	
Ultra 105	1	EA	66968	383-501-030 GAS VALVE KIT F/ ULTRA 105	
76, 78, 80, 86, 88, 94, LGB, MGB	1	EA	87299	383-600-002 GUAGE GLASS SET	
Ultra 550/750	1	EA	87213	383-600-020 KIT-S SLCN CORD RED ULT COML	
Ultra 750	1	EA	87214	383-600-043 KIT-S BRN REPL SZ 6 SC ULTCOML	
Ultra 550	1	EA	87215	383-600-044 KIT-S BRN REPL SZ 5 SC ULTCOML	
Ultra 550/750	1	EA	87216	383-600-045 KIT-S ASY-BLWR ULT COML	
All Ultras (Commercial)	1	EA	87217	383-600-060 KIT-S EXP MOD-C FOR 120V CTL	
Ultra 550/750	1	EA	87218	383-600-062 KIT-S MOD-C W/CIR-BRDU-CTLCSD1	
SLIMFIT 550/750 Series 2&3	1	EA	87219	383-600-066 KIT-S VLV-G 3/4 S-FLNG GAS/AIR	
Ultra 550/750	1	EA	87220	383-600-069 KIT-S LWCO TACO LTR0243N-S1	
Ultra 550/750	1	EA	87221	383-600-070 KIT-S ELECTR IGN 75MM ULT COML	
Ultra 550/750	1	EA	87222	383-600-071 KIT-S T-SNSRWTRSNGL NTC 1/4NPT	
Ultra 550/750	1	EA	87223	383-600-072 KIT-S T-SNSR DUPLEX NTC 12KOHM	
SLIMFIT 550,750 (Series 2&3)	1	EA	88758	383-600-079 SLIMFIT 550/750 MAINT KIT	
Evergreen 70	1	EA	88808	383-700-165 MAINTENANCE KIT EVERGREEN 70	
Evergreen 155	1	EA	88809	383-700-200 MAINTENANCE KIT EVERGREEN 155	
Evergreen 110	1	EA	88810	383-700-243 MAINTENANCE KIT EVERGREEN 110	
Evergreen 70	1	EA	88811	383-700-113 IGNITOR KIT EVERGREEN 70	
Evergreen 155	1	EA	88813	383-700-187 IGNITOR KIT EVERGREEN 155	
Evergreen 110	1	EA	88814	383-700-245 IGNITOR KIT EVERGREEN 110	
Evergreen 220, 299, 399	1	EA	88815	383-900-033 IGNITOR EVERGREEN 220,299,399	
78, 80, 86, 88, 94	1	EA	87259	385-600-099 OBSERVATION PORT ASSY	
86, 88	1	EA	88727	386-300-213 SECTION KIT	
WTGO, WGO, SGO	1	EA	87260	386-700-355 COMBUSTION CHAMBER KIT	
Ultra (Oil)	1	EA	88715	386-902-006 HIGH LIMIT CONTROL	
BCP-3	1	EA	88729	389-900-220 WATER BOILER CONTROL PANEL	
BCP-8W	1	EA	88759	389-900-221 BCP-8W WATER BOILER CONTROL PANEL	
LGB	1	EA	88741	423-300-420 BRACKET FOR FLAME SENSOR	
68, EG, EGH, SGO	1	EA	88769	510-218-045 BACK MOUNT GAUGE	
EG, EGH, 68, PFG (Sizes 85-125)	1	EA	68649	510-218-097 2 1/2"; 0-60 PSIG COMBO GAUGE	
AHE,CG,GV,HE,HE II,VHE	1	EA	68651	510-218-099 COMBO GAUGE	
Ultra 80-399	1	EA	69134	510-300-003 L4006E 1125 AQUASTAT MANUAL RESET 200*	
Ultra 80-399	1	EA	69442	510-300-004 L4006A 2148 AQUASTAT	
Ultra 80-399	1	EA	69460	510-300-010 1/2" NPT LIMIT WELL	
CG, PFG	1	EA	68545	510-300-013 SPILL SWITCH	
CG, CGA, CGX	1	EA	87239	510-300-014 SPILL SWITCH	
GV	1	EA	68537	510-312-019 LIMIT CTL W/1/2IN WELL	
GV	1	EA	87295	510-312-021 AQUASTAT	
EGH	1	EA	88742	510-312-135 HI PRESSURE LIMIT CONTROL	
EG, EGH, PFG (Size 85, 95)	1	EA	87264	510-312-150 LIMIT CONTROL	
CG, EG, EGH, PFG	1	EA	68540	510-312-166 TRANS W/BALE WIRE	
CE, CGA, CGX, HE, VHE	1	EA	68541	510-312-167 TRANS W/RELAY	
EG, EGH, LGB, MGB, SGO, 68	1	EA	68542	510-312-209 LIMIT CTL W/3/4IN WELL	
CG, CGI, EG, EGH, PFG	1	EA	68543	510-312-250 LIMIT CTL W/1/2IN WELL	
CGI	1	EA	68544	510-312-254 LIMIT CTL W/CASE & COVER	
VHE	1	EA	87265	510-312-275 1/12 HP VENTOR MOTOR	
VHE	1	EA	88770	510-312-279 BLOWER WHEEL	
HE, HE II	1	EA	68653	510-312-312 BLOWER ASSEMBLY	
VHE	1	EA	68654	510-312-317 BLOWER MOTOR KIT	
HE, HE II	1	EA	88752	510-312-322 5 3/4" DIA 2" W CW 1/4" WHEEL	
CG, EG, EGH, PFG	1	EA	88703	510-350-218 PUMP TEMPERATURE CONTROL	
HE, HE II, VHE (Series 1-3)	1	EA	68546	510-350-223 RELAY	
CG, CGA, CGX, EG, EGH, PFG	1	EA	87289	510-512-337 DAMPER MOTOR	
CGI	1	EA	68547	510-811-221 PILOT KIT	
CGI	1	EA	88722	510-811-222 PILOT ASSY KIT LP	
CGA (Size 25-6)	1	EA	88718	510-811-356 LP TO NAT GAS CONVERSION KIT	
CGA-3,4,5,6,25	1	EA	68573	510-811-362 LP GAS CONVERSION KIT	

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Boiler Parts (Continued)

Use with Model	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
LGB, MGB	1	EA	88761	510-811-456 IGNITION MODULE	
EGH	1	EA	88771	510-811-457 IGNITION CONVERSION KIT	
CG, EG (Size 30, 35, 40, 45, 50,55)	1	EA	65153	510-811-458 PILOT KIT	
CG, EG (Size 65, 75)	1	EA	65189	510-811-459 PILOT KIT	
EG, PFG (6&7 Series 3-7)	1	EA	88706	510-811-461 CONVERSION KIT TO THERMOPILE	
AHE (Series 2 & 3)	1	EA	88733	510-811-466 BLOWER ASSY	
HE, HE II, VHE	1	EA	88762	510-811-485 LP TO NAT CONVERSION KIT	
HE, HE II, VHE	1	EA	61710	510-811-502 IGNITION MODULE FOR V/HE	
GV	1	EA	87266	510-811-630 LP TO NAT CONVERSION KIT	
EG	1	EA	68548	510-811-640 PILOT KIT	
PFG	1	EA	88701	510-811-641 24V 3.5" WC 1/2" X 1" GAS VALVE	
CG, CGA	1	EA	68549	510-811-644 PILOT KIT	
CG, CGA	1	EA	87338	510-811-646 LP PILOT ASSY KIT W/ORF	
HE, HE II, VHE	1	EA	87290	510-811-655 GAS VALVE	
HE, HE II, VHE	1	EA	87267	510-811-656 GAS VALVE LP	
LGB	1	EA	87268	511-044-191 GAS VALVE	
LGB	1	EA	88711	511-044-192 WEIL VALVE V8943A1111	
CGA, EG (Size 7, 8)	1	EA	68551	511-044-256 GAS VALVE	
EGH, PFG	1	EA	68552	511-044-286 GAS VALVE	
EG, EGH, PFG (Size 105-125)	1	EA	68553	511-044-287 GAS VALVE	
CGI (Size 6, 25)	1	EA	68554	511-044-353 GAS VALVE	
CG, CGA, EG (Size 25-6)	1	EA	68555	511-044-360 GAS VALVE	
CG, CGA, CGI, CGT, CGX, EG	1	EA	68556	511-044-381 GAS VALVE	
CG, CGA, EG, PFG	1	EA	68557	511-044-382 GAS VALVE	
EG, EGH (Size 85-95)	1	EA	68550	511-044-505 GAS VALVE	
CG, CGX, GV, HE, HE II, VHE	1	EA	68954	511-210-434 VLV FILL STR 109-110 TANK	
CGA	1	EA	68694	511-330-079 IGNITION CONTROL MODULE	
CGI, CGS, CGT	1	EA	87270	511-330-080 PILOT ASSY KIT	
CGI, CGS, CGT	1	EA	87339	511-330-081 LP PILOT ASSY	
LGB	1	EA	87271	511-330-085 FLAME PROVING MODULE	
LGB	1	EA	87272	511-330-086 PILOT PROVING MODULE	
AHE	1	EA	87273	511-330-088 INTEGRATED BOILER CONTROL	
CGI, CGS, CGT	1	EA	87274	511-330-090 IGNITION MODULE	
CG, CGX, EG, EGH, PFG (Series1)	1	EA	68558	511-330-095 IGN CTL W/OPR MOLEX	
CG,CGX,EG,EGH,LGB,PFG(13-23)	1	EA	68695	511-330-097 IGNITION CONTROL MODULE	
CGI	1	EA	68559	511-330-099 IGNITION CTL	
AHE, GV, HE II	1	EA	68560	511-330-148 IGNITOR REPL KIT	
EGH	1	EA	87275	511-330-163 PILOT ASSY NAT GAS	
EG, EGH, MGB, LGB	1	EA	68563	511-330-170 PILOT BURNER	
LGB (Size 6-12, 13-23)	1	EA	87294	511-330-181 PILOT ASSY	
LGB	1	EA	88720	511-330-182 FLAME ROD W/ BRACKET	
HE, HE II, VHE	1	EA	87292	511-330-184 IGNITOR KIT	
CG, EG, EGH, LGB, MGB, PFG	1	EA	68564	511-330-186 PILOT BURNER W/BRKT	
HE, HE II, VHE	1	EA	87276	511-330-192 FLAME SENSOR	
CG,EG (30,35,40,45,50,55,65,75)	1	EA	68565	511-330-197 PILOT BURNER	
CG, CGA, CGX, EG, EGH	1	EA	68698	511-330-218 PILOT ASSEMBLY KIT	
CGI, LGB	1	EA	87277	511-330-219 PILOT BURNER ASSY	
EGH, LGB, PG, (Sizes 13-23)	1	EA	65188	511-330-221 PILOT BURNER	
CG's,HE,HE II,Ultra,VHE,GV90+	1	EA	68787	511-405-113 PUMP	
CGI (Size 4)	1	EA	87340	511-624-302 PRESSURE SWITCH	
CGI (Size 5)	1	EA	88721	511-624-303 1.12" WC SPST PRESSURE SWITCH	
CGI (Size 3)	1	EA	88763	511-624-401 1.79" WC SPST PRESSURE SWITCH	
CGI (Size 3, 4, 25)	1	EA	68566	511-624-450 PRESSURE SWITCH	
CGI (Size 5, 6)	1	EA	68567	511-624-451 PRESSURE SWITCH	
CGI (Size 5, 6)	1	EA	68568	511-624-452 PRESSURE SWITCH	
CGI (Size 6, 7)	1	EA	68569	511-624-453 PRESSURE SWITCH	
HE, HE II (Size 3, 4, 5)	1	EA	68726	511-624-510 PRESSURE SWITCH	
HE, HE II (Series 3) (Size 3, 4, 5)	1	EA	87278	511-624-511 PRESSURE SWITCH	
VHE	1	EA	87279	511-624-514 PRESSURE SWITCH	
GV	1	EA	68570	511-624-520 PRESSURE SWITCH	
HE, VHE	1	EA	88736	511-624-541 1.05" WC PRESSURE SWITCH	
VHE	1	EA	88735	511-624-548 1.15" WC SPDT PRESSURE SWITCH	
HE, HE II, VHE (Series 1-3)	1	EA	88743	511-624-643 PRESSURE SENSOR ASSY	
GV90+	1	EA	87357	511-624-664 SWCH THRM TSPC80/NC 1/4"NPT	

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Boiler Parts (Continued)

Use with Model	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
HE, HE II, VHE (Series 1-3)	1	EA	68727	511-724-249 GENERATOR	
CG, CGA, EG, EGH	1	EA	87291	511-724-254 THERMOCOUPLE	
LGB	1	EA	68730	511-724-274 MAIN FLAME SENSOR F/LGB	
AHE,CGA,CGI,CGS,CGT,GV,HE II	1	EA	68571	511-842-370 TRANS	
CG, PFG	1	EA	68572	512-050-230 THERMO ROLLOUT FUSE	
EG, EGH	1	EA	68733	512-200-000 BURNER STAINLESS TUBE	
EG, EGH	1	EA	87341	512-200-001 BURNER TUBE W/PILOT BRACKET	
HE, HE II, VHE	1	EA	87280	512-200-035 BURNER	
HE, VHE	1	EA	68742	512-200-045 BURNER	
LGB	1	EA	87281	512-200-050 BURNER	
LGB	1	EA	88717	512-200-055 BURNER W/PILOT BRACKET	
AHE, CG, CGA	1	EA	68743	512-200-077 BURNER	
CG, CGA, CGI	1	EA	68744	512-200-078 BURNER	
CG, CGA, CGI	1	EA	88710	512-200-079 BURNER W/ SPARK BRACKET	
EGH (Sizes 85, 95), PFG	1	EA	68745	560-528-957 PILOT ORIFICE LP	
CG, CGA, CGI	1	EA	88745	560-528-997 BURNER ORIFICE	
AHE,CG,CGA,CGI,CGX,EG,LGB,PFG	1	EA	68748	560-742-860 PILOT TUBING	
EGH	1	EA	88764	560-742-865 PILOT TUBING	
SLIMFIT 550, 750 Series 2	1	EA	87224	561-444-101 PLG ASY FLUE PIP INSP	
All Ultra Boilers	1	EA	69082	564-100-002 22 MM WATER COMPRESSION FTG F/ ULTRA	
SLIMFIT 550, 750 Series 2&3	1	EA	87225	570-350-230 RLY-S DPDT 10A 120VAC	
LGB	1	EA	88753	570-350-370 DELAY TIMER	
SLIMFIT 550, 750 Series 2&3	1	EA	87226	590-300-022 GSKT VNTI/G-TRN 70MMX2MMX70MM	
Ultra (Gas)	1	EA	88765	590-317-310 BLOWER GASKET	
GV	1	EA	87282	590-317-610 FLANGE GASKET	
SLIMFIT 550, 750 Series 2&3	1	EA	87227	590-318-042 O-RING VLV-G HON CPOR020156/B	
Ultra (Size 80, 105)	1	EA	69038	591-200-000 COVER PLATE GASKET F/ ULTRA 80/105	
LGB (Size 6-12, 13-23)	1	EA	88746	591-391-790 SENSOR WIRE	
CG, CGA, CGX, EG, EGH, PFG	1	EA	88719	591-391-795 WIRING HARNESS	
EG, EGH, LGB, MGB	1	EA	88772	591-391-798 36" STRAIGHT BOOT IGNITION CABLE	
CG, CGA	1	EA	88747	591-391-862 WIRING HARNESS	
GV	1	EA	88738	591-391-919 9 PIN WIRING HARNESS	
All Ultra Boilers	1	EA	88311	591-706-200 ULTRA CLEANING TOOL	
84, 86, 88, LGB	1	EA	87283	592-800-005 POLYMER SEAL 9"	
86,88,94,EG,EGH,LGB,WGO,WTGO	1	EA	87284	592-800-007 POLYMER SEAL 6"	
CGT	1	EA	87296	635-100-022 VALVE	
CGT	1	EA	87286	635-100-023 ACTUATOR	
AquaBalance 155	1	EA	85299	640-000-112 MAINTANENCE KIT	
All AquaBalance	1	EA	88816	640-000-037 VK8205V GAS VALVE FOR ALL AQUABALANCE	
All AquaBalance	1	EA	88817	640-000-062 PCB ONLY ALL AQUABALANCE	
AquaBalance 155 (Combi/Ht Only)	1	EA	88818	640-000-081 BLOWER FOR ALQUABALANCE 155C/H	
AquaBalance 155 Series 2	1	EA	88819	640-000-133 LP KIT FOR AQUABALANCE 155 S2	

VIESMANN Vitodens 100-W Gas-Condensing Boilers

Models B1HA and B1KA, Residential, Wall-Mounted



B1HA and B1KA Features

- Compact design and zero clearance to combustibles provides space heating in limited space installations
- Fully modulating input 21–125 MBH
- Naural/LP gas
- Stainless steel Inox-Radial heat exchanger
- Modulating MaxtriX cylinder burner
- Variable speed combustion fan for quiet and economical operation
- Backlit LCD touchscreen
- Integrated pump
- Limited lifetime warranty in residential applications

B1KA Also Features

- Combination boiler provides domestic hot water as well as space heating in one compact boiler—no need for additional storage tank
- Brazed-plate heat exchanger for convenient DHW heating
- Integral heating expansion tank

Part No.	Old Model No.	New Model No.	Maximum Input (MBH) NG	Minimum Output (MBH) NG	AFUE (%)	Gas Connection (In)	Water Connection Supply/Return (In)	Water Connection DHW (In)	Dimensions H x W x D (In)	Weight (Lbs)
B1HA278	B1HA-26	B1HA-94	21-94	20-87	95	3/4	3/4	N/A	30-1/4x15-3/4x15-3/4	88
B1HA279	B1HA-35	B1HA-125	21-125	20-116	95	3/4	3/4	N/A	30-1/4x15-3/4x15-3/4	88
B1KA111	B1KA-45	B1KA-125	21-125	20-116	95	3/4	3/4	1/2	30-1/4x15-3/4x15-3/4	9

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89710	B1HA278 VITODENS 100-W B1HA-26 B1HA-94	
1	EA	89711	B1HA279 VITODENS 100-W B1HA-35 B1HA-125	
1	EA	89712	B1KA111 VITODENS 100-W B1KA-35 B1KA-125	

VIESMANN Vitodens 200–W (B2HB, B2HA) Gas Condensing Boilers

Wall-Mounted



Vitodens 200–W

- Up to 8 boilers (Models -45 to -150) can be used for multi-boiler installations for a max input of 4240 MBH.

Applications

- New construction and retrofit.
- Residential and commerical.

Domestic Hot Water

- Additional DHW tanks(s) required to achieve a high level of DHW convenience.

Features

- SA240 316 Ti stainless steel Inox-Radial heat exchanger constructed to CSA B51 and ASME Section IV standards.
- Exceeds Energy Star efficiency requirements.
- Modulating stainless steel MatriX cylinder burner.
- Intelligent Lambda Pro combustion management system.
- HO1B intuitive control with graphic user interface.
- Modulation ratio up to 6.5:1 ensures extremely high efficiency.
- Common vent up to 4 boilers.
- Energy Star Most Efficient 2016.
- 5-year limited warranty.

Old Model No.	New Model No.	Maximum Input (MBH) NG	Minimum Input (MBH) NG	Efficiency (%)	Depth (In)	Width (In)	Height (In)	Weight (Lbs)
B2HB-26	B2HB-94	94	19	95 AFUE	15-7/10	17-3/4	41	110
B2HB-35	B2HB-125	125	19	95 AFUE	15-7/10	17-3/4	41	110
B2HB-45	BSHB-160	160	32	95 AFUE	21	19	43-1/2	210
B2HB-57	B2HB-199	199	32	95 AFUE	21	19	43-1/2	210
B2HA-80	B2HB-285	285	71	95 AFUE	21	19	43-1/2	194
B2HA-100	B2HB-311	311	71	94-1/2 Thermal	21	19	43-1/2	194
B2HA-112	B2HB-399	399	113	94-1/2 Thermal	21	19	43-1/2	298

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89713	B2HB08 VITODENS 200-W B2HB-26 B2HB-94	
1	EA	89714	B2HB009 VITODENS 200-W B2HB-35 B2HB-125	
1	EA	89715	B2HB069 VITODENS 200-W B2HB-45 B2HB-160	
1	EA	89716	B2HB070 VITODENS 200-W B2HB-57 B2HB-199	
1	EA	89717	B2HAH12 VITODENS 200-W B2HA-80 B2HA-285	
1	EA	89718	B2HAH14 VITODENS 200-W B2HA-100 B2HA-352	
1	EA	89719	B2HAA94 VITODENS 200-W B2HA-112 B2HA-399	

VIESMANN Vitocrossal 300 (CU3A) Gas-Condensing Boilers

Floor-Standing



Vitocrossal 300

- The Vitocrossal 300 features high-efficiency, high-temperature, and high-mass (water volume) technology.
- Up to 8 boilers can be used for multi-boiler installations for a max input of 1592 MBH.

Applications

- New construction and retrofit.
- Residential and commercial.

Domestic Hot Water

- Additional DHW tank(s) required to achieve a high level of DHW convenience.

Features

- High Temperature Operation: Up to 194° F.
- Inox-Crossal heat exchanger constructed of SA240 316 Ti stainless steel.
- Heat exchanger design eliminates need for dedicated boiler pump and primary/secondary piping.
- Modulating MatriX dome gas burner with 5:1 turndown ratio.
- HO1B control with graphic user interface.
- Wifi ready with Vitoconnect 100 and ViCare App (Free app for all iOS and Android OS).
- Energy Star Most Efficient 2016.
- 5-year limited parts warranty.

Old Model No.	New Model No.	Maximum Input (MBH) NG	Minimum Input (MBH) NG	Net AHRI Rating MBH)	AFUE (%)	Depth (In)	Width (In)	Height (In)	Weight (Lbs)
CU3A-26	CU3A-94	94	19	76.0	95	27	26	6-1/2	269
CU3A-35	CU3A-125	125	25	101	95	27	26	6-1/2	275
CU3A-45	CU3A-106	160	43	129	95	31-1/2	26	6-1/2	341
CU3A-57	CU3A-199	199	43	161	95	31-1/2	26	6-1/2	352

Price Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89720	CU3A350 VITOCROSSAL 300 CU3A-26 CU3A-94	
1	EA	89721	CU3A351 VITOCROSSAL 300 CU3A-35 CU3A-125	
1	EA	89722	CU3A352 VITOCROSSAL 300 CU3A-45 CU3A-160	
1	EA	89723	CU3A353 VITOCROSSAL 300 CU3A-57 CU3A-199	

VIESMANN Vitodens 222–F (B2TB) Gas-Condensing Boilers

Floor-Standing



Vitodens 222-F

- The Vitodens 222-F B2TB is a combination boiler offering space-heating and domestic hot water (DHW) in a space-saving design with a small footprint and zero side clearance to combustibles.

Applications

- New construction and retrofit.
- Residential.

Domestic Hot Water

- Integrated stainless steel DHW storage tank.
- Ten-minute peak flow op to 60 gallans.
- Continuous DHW draw up to 3.3 GPM.

Features

- Inox-Radial heat exchanger constructed of SA 240 316 Ti stainless steel.
- HO1B control with graphic user interface.
- Stainless steel MatriX cylinder burner.
- Lambda Pro combustion management system.
- Efficiency up to 98% at full modulation and 95% AFUE.
- DHW storage tank loading system comprised of plate heat echanger, DHW loading pump, and storage tank.
- Pre-installed P&T relief valves .
- Wide modulation ratio up to 6.5:1.
- 5-year limited warranty in residential applications.

Old Model No.	New Model No.	Maximum Input (MBH) NG	Minimum Input (MBH) NG	Net AHRI Rating (MBH)	AFUE (%)	Depth (In)	Width (In)	Height (In)	Weight (Lbs)
B2TB-35	B2TB-125	125	19	102	95	23-2/5	23-3/5	64-1/5	275

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89724	B2TB004 VITODENS 222-F B2TB-35 B2TB-125	

VIESMANN Vitocell 300 (–W, –V) Domestic Hot Water Tanks



300–W



300–V

- Tank coil extends to tank bottom for even water temperatures at all times.
- High-performance insulation keeps standby losses and operating cost at a minimum.
- Scale and corrosion resistant, ideal for areas with poor water quality.
- Several Vitocell 300 tanks can be combined into a multiple-tank battery via common headers.
- NPT connections.
- Zero clearance to combustibles.
- Lifetime warranty.

Model No.	Capacity (Gal)	Depth (In)	Width (In)	Height (In)	Weight (Lbs)
300-W EVIA-42	42	23	23-3/4	47	132
300-V EVI-53	53	23	24	55-1/2	154
300-V EVI-79	79	26-1/4	29	68-1/2	231
300-V EVI 119	119	36-1/3	38-3/8	6/-1/2	245

Price Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89725	7638988 42 USG NPT 1" VITOCELL 300-W EVIA	
1	EA	89726	7637041 53 USG NPT 1" VITOCELL 300-V EVIA	
1	EA	89727	7637044 79 USG NPT 1" VITOCELL 300-V EVIA	
1	EA	89822	Z016812 119 GAL. 1-1/4" NPT VITOCELL 300-V EVIA SPLY/RTN	

VIESMANN Accessories and Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89739	7865532 BURNER CTRL, LGM29.55 WB2A	
1	EA	89740	7134328 CIRCUIT BOARD, VR20 WB2A	
1	EA	89734	7134743 1" MIXING VALVE, 3-WAY 1"	
1	EA	89733	7134744 1 1/4" MIXING VALVE, 3-WAY 1 1/4"	
1	EA	89741	7134747 GAS VALVE WO ORIFICE	
1	EA	89820	7201537 INSTAL SET(SIDE)B2TA/B2TB	
1	EA	89821	7201538 INSTALLATION SET(TOP)B2TA/B2TB	
1	EA	89742	7134769 FLUE ADAPTOR CPVC 2"	
1	EA	89743	7134770 FLUE ADAPTOR, CPVC 3"	
1	EA	89744	7134771 FLUE ADAPTOR, CPVC 4"	
1	EA	89745	7373112 RADIAL FAN RG130, 120/1/60	
1	EA	89746	7374870 FLAPPER (AIR/FUEL) WB1A	
10	PKG	89747	7404365 FUSE, T6.3A/250V	
10	PKG	89748	7404396 FUSE, 2.5A/250V	
1	EA	89749	7439313 GAS VALVE/VENTURI ASSY	
1	EA	89736	7441596 PUMP (GF) UPS26-150F 115/1/60	
1	EA	89737	7498529 MAX FLOW 19.5 USGM LOW LOSS HEADER MODEL 80/60	
1	EA	89738	7498530 MAX FLOW RATE 35 USGM LOW LOSS HEADER MODEL 120/80	
1	EA	89823	7502558 BOILER STAND, B2HA 399-530	
1	EA	89735	7637691 VITOCONNECT 100 OPTO1 CA/US/UK	
1	EA	89730	7740946 NBT-23 NEUTRALIZATION KIT	
1	EA	89731	7740947 NB-6 NEUTRALIZATION KIT	
1	EA	89750	7817692 BURNER GASKET WB2A-44/60/CU3A	
1	EA	89751	7818363 IGNITION ELECTRODE	
1	EA	89752	7818364 IONIZATION ELECTRODE	
1	EA	89753	7819627 IGNITION ELECTRODE WB2A-24/32	
1	EA	89755	7819967 SENSOR #3(BOILER/DHW)WB/CPK/B1	
1	EA	89756	7819971 AIR VENT, G3/8" WBXX/B2HX	
1	EA	89757	7820148 SENSOR #1 (OUTDOOR)	
1	EA	89758	7820384 WATER PRESSURE SWITCH	
1	EA	89759	7822767 SENSOR #15 (FLUE GAS,NTC) R	
1	EA	89760	7822897 DIFFERENTIAL PRESS. SENSOR	
1	EA	89761	7823837 IGN/IONIZATION ELECTRODE &LEAD	
1	EA	89762	7825487 FIXED HIGH LIMIT 210F/99C	
1	EA	89763	7825490 FIXED HIGH LIMIT, 99C WB/B2	
1	EA	89764	7826314 FLOW SWITCH VK315M	
1	EA	89765	7826516 IGNITION ELECTR. W/GSKT	
1	EA	89766	7826542 FLOW SWITCH VK332M	
1	EA	89767	7827957 IGN. TRANSFORMER BW12126-00	
1	EA	89768	7828337 COMB.CH.DR.REFR. WB2B/B2HA	
1	EA	89769	7828718 IGN./IONIZATION ELECTR. BLOCK	
1	EA	89770	7828795 FLOW SWITCH VK332M	
1	EA	89771	7829798 IGNITION ELECTR. W/GASKET	
1	EA	89772	7830016 COMB.CHBR.REFR.WBXB/B2XA68-125	
1	EA	89773	7831027 RADIAL FAN RLS154 WO ELECTR.	
1	EA	89774	7831369 RADIAL FAN NRG118-CVI 120/1/60	
1	EA	89775	7833512 RADIAL FAN RG148 W/GASKETS	
1	EA	89791	7834234 IONIZATION ELECTR. W/GASKET	
1	EA	89792	7834235 IONIZATION ELECTR. W/GASKET	
1	EA	89793	7834490 IGNITION TRANSFORMER	
1	EA	89794	7835169 IONIZATION ELECTR. W/GASKET	
1	EA	89795	7836177 187 X 5.5MM BURNER GASKET, WB / B2	
1	EA	89796	7836178 299 X 5.6MM BURNER GASKET, WB2B / B2HX	
1	EA	89797	7836324 GAS VALVE CES W/GASKETS WB2B	
1	EA	89798	7836489 IONIZATION ELECTR. W/GASKETS	
1	EA	89799	7837053 SENSOR #1 (OUTDOOR, NTC)	
1	EA	89815	7839451 IONIZATION ELECTR. W/GASKET	
1	EA	89816	7839612 IGNITION MODULE	
1	EA	89817	7839704 GAS VALVE CES10 W/GASKET	
1	EA	89729	7840112 CLEANING KIT, VITODENS	
1	EA	89728	9537070 SERVICE TOOL SET ALL VITODENS	
1	EA	89818	9668977 AIR VENT W/SHUT-OFF BASE 3/8"	
1	EA	89819	9649407 SENSOR (OUTDOOR,TASSERON)	
1	EA	89732	ZK01105 MIXING VALVE EXTENSION KIT	

SELKIRK. Polyflue™ Flue Gas Venting System



Single-wall Rigid Pipe



Joint Lock-Band



Wall Strap



Wall Plate



Flex Pipe Roll



90° UV Elbow

- ULV S636 Listed for category II & IV gas-fired appliances.
- Maximum Flue Gas Temperatures: 230° F/110° C (over 50% higher than PVC).
- 0" clearance to combustibles.
- Single-wall rigid and flexible re-liner pipe.
- Viton® Integral Gasket for superior sealing .
- Easy to install system includes locking bands that can be put in position during or after the installation.
- Environmentally-friendly and fully recylable.
- 10-year limited warranty.

3 Inch Pipe and Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	24344	3PF-3I4 3IN X 4IN INCREASER	
1	EA	24343	3PF-3R2 3IN X 2IN REDUCER	
6	EA	24341	3PF-79 3IN X 79IN PIPE	
4	EA	24339	3PF-BVSC 3IN FLEX B VENT RELN SUPPT COLLAR	
1	EA	24338	3PF-CD 3IN INLINE COND DRAIN	
1	EA	24337	3PF-CTA 3IN TWIN PIPE TO CONC TERM ADAPT	
1	EA	24336	3PF-FLEX 3IN FLEX PIPE ROLL - 66FT	
1	EA	24335	3PF-FLEX-KIT 3IN MASONRY RELINER KIT	
5	EA	24334	3PF-FLEX-SP 3IN FLEX PIPE SPACER	
10	EA	24333	3PF-FS 3IN FIRESTOP	
10	EA	24332	3PF-GKV 3IN REPL FLEX GASKET	
1	EA	24331	3PF-HCT 3IN HORIZ CONC TERM WHT	
4	EA	24330	3PF-HCTHS 3IN HORIZ CONC SUPPORT	
4	EA	24329	3PF-HVST 3IN SCRN TERM HORIZ/VERT	
4	EA	24328	3PF-NOM-PF 3IN NOM TO POLYFLUE ADAPT	
4	EA	24327	3PF-PVC-PF 3IN PVC TO POLYFLUE ADAPT	
1	EA	24326	3PF-TP 3IN TEST PORT	
4	EA	24325	3PF-WP 3IN WALL PLATE	

4 Inch Pipe and Fittings

1	EA	24321	4PF-4R3 4IN X 3IN REDUCER	
3	EA	24320	4PF-79 4IN X 79IN PIPE	
1	EA	24318	4PF-CD 4IN INLINE COND DRAIN	
1	EA	24317	4PF-CTA 4IN TWIN PIPE TO CONC TERM ADAPT	
5	EA	24316	4PF-FLEX-SP 4IN FLEX PIPE SPACER	
10	EA	24315	4PF-FS 4IN FIRESTOP	
10	EA	24314	4PF-GKV 4IN REPL PIPE FLEX GSKT	
1	EA	24313	4PF-HCT 4IN HORIZ CONC TERM WHT	
4	EA	24312	4PF-HCTHS 4IN HORIZ CONC SUPPORT	
8	EA	24311	4PF-HS 4IN HORIZ SUPPORT	
4	EA	24310	4PF-HVST 4IN SCRN TERM HORIZ/VERT	
12	EA	24309	4PF-LB 4IN JOINT LOCK BAND	
4	EA	24308	4PF-NOM-PF 4IN NOM TO POLYFLUE ADAPT	
4	EA	24307	4PF-PVC-PF 4IN PVC TO POLYFLUE ADAPT	
1	EA	24306	4PF-T 4IN TEE	
1	EA	24305	4PF-TC 4IN T-CAP	
1	EA	24304	4PF-TCD 4IN T-CAP DRAIN	
1	EA	24303	4PF-TP 4IN TEST PORT	
4	EA	24302	4PF-WP 4IN WALL PLATE	
8	EA	24301	4PF-WS 3IN X 4IN WALL STRAP	
1	EA	24300	PF-CDT 3/4IN X 10FT COND DRAIN TUBE	

3 & 4 Inch UV Rated Pipe and Elbows

20	EA	24346	3PF-10UV 3IN X 10IN UV PIPE WHT	
10	EA	24345	3PF-39UV 3IN X 39IN UV PIPE WHT	
10	EA	24342	3PF-45UV 3IN 45 DEG UV ELBOW WHT	
10	EA	24340	3PF-90UV 3IN 90 DEG UV ELBOW WHT	
30	EA	24324	4PF-10UV 4IN X 10IN UV PIPE WHT	
35	EA	24323	4PF-39UV 4IN X 39IN UV PIPE WHT	
6	EA	24322	4PF-45UV 4IN 45 DEG UV ELBOW WHT	
6	EA	24319	4PF-90UV 4IN 90 DEG UV ELBOW WHT	

Lochinvar® Copper-Fin® Solution Gas Fired Boilers

Residential



Copper-Fin Solution Residential Gas Fired Boilers have an ASME Copper-Finned tube heat exchanger and an ASME pressure relief valve. With domestic hot water prioritization, these gas fired boilers have a automatic vent damper and temperature and pressure gauge.

- 84.2% A.F.U.E efficiency
- Heavy-duty, gasketless heat exchanger
- Lo/Hi/Lo temperature control
- Built-in performance loop
- CPVC/PVC vent kit option
- Terminal strip
- 24 volt control system
- 2-stage gas valve
- Combustible floor base
- Stainless steel burners
- Unique heat exchanger design
- 160 PSI working pressure
- 20-year limited warranty on heat exchanger
- 2-year parts warranty

Specifications and Dimensions

Model Number	Input MBH	AFUE %	Heating Capacity MBH	Net AHRI Rating MBH	Height (In)	Width (In)	Depth (In)	Gas Conn. (In)	Vent Size (In)	Shipping Weight (Lbs)
CBN045	45	84.0	37	32	29-1/2	11-1/2	21-1/2	1/2	4	145
CBN075	75	84.0	62	54	29-1/2	15-1/2	21-1/2	1/2	5	155
CBN090	90	84.0	75	65	29-1/2	15-1/2	21-1/2	1/2	5	155
CBN135	135	84.0	112	97	29-1/2	19-1/2	21-1/2	1/2	6	175
CBN180	180	84.0	149	130	29-1/2	23-1/2	21-1/2	3/4	7	195
CBN260	260	84.0	216	188	29-1/2	29-1/2	21-1/2	3/4	8	225

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88553	CBN045 45,000 BTUH NAT GAS SOLUTION BOILER	
1	EA	88554	CBN075 75,000 BTUH NAT GAS SOLUTION BOILER	
1	EA	88555	CBN090 90,000 BTUH NAT GAS SOLUTION BOILER	
1	EA	88556	CBN135 135,000 BTUH NAT GAS SOLUTION BOILER	
1	EA	88557	CBN180 180,000 BTUH NAT GAS SOLUTION BOILER	
1	EA	88558	CBN260 260,000 BTUH NAT GAS SOLUTION BOILER	

Lochinvar® Copper-Fin® Atmospheric Boilers

Commercial



Copper-Fin Atmospheric Boilers have an ASME Copper-Finned tube heat exchanger and an ASME pressure relief valve. Copper-Fin gas-fired boilers are high-efficiency boilers that save space and money, are lightweight, and are simple to service and install.

- 82% thermal efficiency
- 315,000–500,000 Btu/Hr
- Heavy duty, gasketless heat exchanger
- 2-stage electronic temperature control
- Alcove installation
- Combustible floor base
- 24 volt control system
- 10-year limited warranty

Specifications and Dimensions

Model Number	Input MBH	AFUE %	Heating Capacity MBH	Net AHRI Rating MBH	Height (In)	Width (In)	Depth (In)	Gas Conn. (In)	Vent Size (In)	Shipping Weight (Lbs)
CBN315	315	84.0	258	224	29-1/2	33-1/4	21-1/2	3/4	8	245
CBN399	399	84.0	328	285	29-1/2	44-1/2	22	1	10	320

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88559	CBN315 315,000 BTUH NAT GAS COPPER-FIN BOILER	
1	EA	88560	CBN399-M13 399,000 BTUH NAT GAS COPPER-FIN BOILER W/CSD-1	

Lochinvar® Copper-Fin® Gas Boilers

Commercial



Copper-Fin commercial gas boilers are designed to enhance performance and serviceability. They offer installation flexibility and are cost-saving. These boilers meet the toughest air quality standards because of the low NOx operation and combustion air filter.

- 81% A.F.U.E. thermal efficiency
- 495,000–2,065,000 btu/hr
- Heavy duty, gasketless heat exchanger
- Advanced control system
- Fits through standard 36" doorway
- Design uses 2-pass heat exchanger
- 160 PSI working pressure
- 24 volt control system
- BMS terminal strip
- 10-year limited warranty

Specifications and Dimensions

Model Number	Input MBH	Thermal Efficiency	Heating Capacity MBH	Net AHRI Rating MBH	Height (In)	Width (In)	Depth (In)	Gas Conn. (In)	Vent Size (In)	Shipping Weight (Lbs)
CBN0497	495	81%	401	349	31-1/2	45-1/4	22-1/4	1-1/4	6	440
CBN0647	645	81%	522	454	31-1/2	56-3/4	22-1/4	1-1/4	8	510
CBN0747	745	81%	603	524	31-1/2	64	22-1/4	1-1/4	8	550
CBN0987	985	81%	798	694	36	48-1/4	33-1/2	2	10	845

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88561	CBN0497-M13 495,000 BTUH NAT GAS COPPER-FIN BOILER W/CSD-1	
1	EA	88562	CBN0647-M13 645,000 BTUH NAT GAS COPPER-FIN BOILER W/CSD-1	
1	EA	88563	CBN0747-M13 745,000 BTUH COPPER-FIN BOILER W/CSD-1	
1	EA	88564	CBN0987-M13 985,000 BTUH COPPER-FIN BOILER W/CSD-1	

Lochinvar® Copper-Fin® Gas Water Heaters

Commercial



Copper-Fin commercial gas water heaters are made to be compact so that they use less floor space. These water heaters use a 2-pass heat exchanger. Water is circulated through a row of highly-efficient, finned copper tubes. Package with Lock-Temp Tank.

- 81% thermal efficiency
- 495,000–2,065,000 btu/hr
- Heavy duty, gasketless heat exchanger
- Smaller vent diameters
- Combustion air filter
- Advanced control system with diagnostic lights
- Fits standard 36" doorway
- ASME copper finned tube heat exchanger
- 24 volt control system
- 5-year limited warranty on heat exchanger

Specifications and Dimensions

Model Number	Btu/Hr Input	GPH @ 100° F Rise	Height (In)	Width (In)	Depth (In)	Inlet Water Conn. (In)	Outlet Water Conn. (In)	Vent Size (In)	Gas Conn. (In)	Shipping Weight (Lbs)
CWN315PM	315,000	313	29-1/2	32-1/2	21-1/2	1-1/2	2	8	3/4	250
CWN399PM	399,999	397	29-1/2	44-1/2	22	1-1/2	2	10	1	340
CWN0497PM	495,000	486	31-1/2	45-1/4	22-1/4	2	2	6	1-1/4	490
CWN0647PM	645,000	633	31-1/2	56-3/4	22-1/4	2	2	8	1-1/4	555
CWN0747PM	745,000	731	31-1/2	64	22-1/4	2	2	8	1-1/4	610
CWN0987PM	985,000	967	36	48-1/4	33-1/2	2-1/2	2-1/2	10	2	493

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88565	CWN315PM 315,000 BTUH NAT GAS COPPER-FIN WATER HEATER	
1	EA	88566	CWN399PM 399,000 BTUH NAT GAS COPPER-FIN WATER HEATER	
1	EA	88567	CWN497PM 495,000 BTUH NAT GAS COPPER-FIN WATER HEATER	
1	EA	88568	CWN647PM 645,000 BTUH NAT GAS COPPER-FIN WATER HEATER	
1	EA	88569	CWN747PM 745,000 BTUH NAT GAS COPPER-FIN WATER HEATER	
1	EA	88570	CWN0987PM 985,000 BTUH NAT GAS COPPER-FIN WATER HEATER	

Lochinvar EnergyRite® Pool Heater

Residential and Light Commercial



EnergyRite heats up fast, saves money, and helps conserve our natural resources with Low-NOx emissions that meet or exceed the most stringent "green" standards, anywhere in the country.

- 2-line, 16 character digital display
- Pool and spa temperature control
- Password security
- CPVC or PVC ready
- 3rd-party remote compatible
- Sealed combustion chamber
- Fan-assisted combustion
- Built-in combustible floor shield
- Direct-spark ignition
- Flame view port
- Stainless steel burners
- Loch-heat ceramic tile
- 24-volt terminal strip
- Dual voltage-240V or 120V/60HZ
- Built-in air and water pressure switches
- Inlet and outlet temperature sensors
- Polymer header with built-in bypass
- Outdoor venting
- 3-year limited warranty on heat exchanger
- 2-year limited warranty on parts

Specifications and Dimensions

MODEL NUMBER	BTU/HR INPUT	Width (In)	Height (In)	Depth (In)	AIR INTAKE (In)	VENT SIZE (In)	E-RITE/POWERED SIDEWALL VENT	SHIPPING WEIGHT (Lbs)
ERN152	150,000	23	26-1/2	22	4	5	4	183
ERN202	199,999	26-1/2	26-1/2	22	4	5	4	195
ERN252	250,000	30	26-1/2	22	5	6	5	217
ERN302	300,000	33-3/4	26-1/2	22	5	6	5	240
ERN402	399,999	41	26-1/2	22	5	6	6	269

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88546	ERN202-A 199,999 BTUH ENERGY RITE POOL HEATER ASME	
1	EA	88547	ERN252-A 250,000 BTUH ENERGY RITE POOL HEATER ASME	
1	EA	88548	ERN302-A 300,000 BTUH ENERGY RITE POOL HEATER ASME	
1	EA	88549	ERN402-A 399,999 BTUH ENERGY RITE POOL HEATER ASME	

Lochinvar Boilers, Water Heaters, and Pool Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88571	100165937 PLT3400 HOT SURFACE IGNITOR	
1	EA	88572	100161647 PRS2004 GAS PRESSURE SWITCH, NAT	
1	EA	88573	100166248 PRESSURE SWITCH	
1	EA	88574	100170205 TRF2701 TRANSFORMER 150 VA	
1	EA	88575	100208464 RLY2402 IGNITION MODULE	
1	EA	88576	100208835 TST2314 THERMOSTAT OPERATOR	
1	EA	88577	100208555 TST5314 THERMOSTAT OPERATOR	
1	EA	88578	100208174 HLC2702 HIGH LIMIT - MR	
1	EA	88579	100233613 TST2300K BULBWELL	
1	EA	88580	100208553 TST2050 SENSOR, INLET	
1	EA	88581	100208604 VAL2076 GAS VALVE, NAT	
1	EA	88582	100208486 RLY2044 DISPLAY BOARD	
1	EA	88583	100233485 FAN2010 FAN	
1	EA	88585	100208653 WTR2040 FLOW SWITCH, INDOOR	
1	EA	88586	100208152 KIT, GAUGE, TRIOMETER, 75 #PSI	
1	EA	88587	100208387 PRS20031 LOW AIR PRESSURE SWITCH	
1	EA	88588	100172018 VAL3405 GAS VALVE, NAT	
1	EA	88589	100137145 FAN2712 FAN	

Boiler Replacement Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66535	002234F H&W 514 & UP NAT IID PILOT	
1	EA	66537	003972F 30-180 NAT STD PILOT	
1	EA	67686	004817B ELECT IGN W/O LOCKOUT	
1	EA	66460	004935F IGNITION CTL MODULE IID 30-263	
1	EA	66438	005481F NAT TO LP CONV KIT H0042 IID	
1	EA	66355	005485F-2STG NAT TO LP CONV KIT H0090 IID	
1	EA	66441	005487F-2STG NAT TO LP CONV KIT H0135 IID	
1	EA	66442	005489F-2STG NAT TO LP CONV KIT H0180 IID	
1	EA	67693	006533F 115/24V 50VA TRANSFORMER	
1	EA	67696	600656 NAT COMB GAS VALVE	
1	EA	67689	600850 NAT COMB GAS VALVE	
1	EA	66518	601003 HI LIMIT/STAGE CONTROL	
1	PKG	66469	800001B 1" ID BEVEL GASKET (9/PKG)	
1	PKG	66470	800014B 3/4" ID FLAT GASKET (9/PKG)	
1	PKG	66471	800086B 1" ID FLAT GASKET (9/PKG)	
1	EA	65240	8116321 4" DAMPER VENT DAMPER CGS-A 30	
1	EA	65241	8116322 5" DAMPER VENT DAMPER CGS-A 40	
1	EA	65242	8116323 6" DAMPER VENT DAMPER CGS-A 50/60	
1	EA	65243	8116324 7" DAMPER VENT DAMPER CGS-A 70/80	
1	EA	66443	N-P-155EN NAT-LP CONV KIT	

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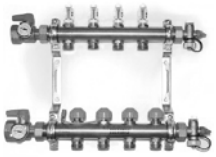
Raupex O2 Barrier Pipe
For Radiant Heat Systems



RAUPEX O2 Barrier pipe is the main component in the REHAU radiant heating system. This durable yet flexible PEXa pipe offers enhanced temperature/pressure capabilities, and long-term strength. The oxygen diffusion barrier protects iron and steel system components against corrosion.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-3	PC-2 4
1	CL	89610	136008-500 3/8" X 500' COIL RAUPEX O2 BARRIER PIPE		
1	CL	89611	136008-000 3/8" X 1000' COIL RAUPEX O2 BARRIER PIPE		
1	CL	89612	136031-300 1/2" X 300' COIL RAUPEX O2 BARRIER PIPE		
1	CL	89613	136031-000 1/2" X 1000' COIL RAUPEX O2 BARRIER PIPE		
1	CL	89614	136880-400 5/8" X 400' COIL RAUPEX O2 BARRIER PIPE		
1	CL	89615	136880-000 5/8" X 1000' COIL RAUPEX O2 BARRIER PIPE		
1	CL	89616	136051-300 3/4" X 300' COIL RAUPEX O2 BARRIER PIPE		
1	CL	89617	136051-000 3/4" X 1000' COIL RAUPEX O2 BARRIER PIPE		
1	CL	89618	136011-100 1" X 100' COIL RAUPEX O2 BARRIER PIPE		
1	CL	89623	136549-500 10.1MM X 500' COIL RAUPEX O2 BARRIER PIPE		

Pro-Balance Manifolds
For Radiant Heat Systems



PRO-BALANCE manifolds bring ease of installation, controllable flow rates and a professional look to hydronic applications. PRO-BALANCE manifolds come preassembled and are available in a wide range of outlets. They make zoning easy to achieve without additional piping.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89625	240021-100 2 STATION PRO-BALANCE MANIFOLD	
1	EA	89626	240031-100 3 STATION PRO-BALANCE MANIFOLD	
1	EA	89627	240041-100 4 STATION PRO-BALANCE MANIFOLD	
1	EA	89628	240051-100 5 STATION PRO-BALANCE MANIFOLD	
1	EA	89629	240061-100 6 STATION PRO-BALANCE MANIFOLD	
1	EA	89630	240071-100 7 STATION PRO-BALANCE MANIFOLD	
1	EA	89631	240081-100 8 STATION PRO-BALANCE MANIFOLD	
1	EA	89695	240101-100 10 STATION PRO-BALANCE MANIFOLD	

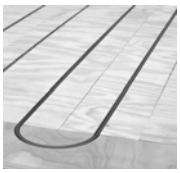
Controls
For Radiant Heat Systems



REHAU offers a wide variety of electronic components for your radiant heating application. They combine accurate and steady temperature with the flexibility of room-to-room control.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89643	236487-002 DUAL SENSING DIGITAL STAT	
1	EA	89644	236497-001 10K FLOOR SENSOR	
1	EA	89641	243047-001 4-ZONE MODULE ZONE CONTROL	
1	EA	89642	243077-001 6-ZONE MODULE ZONE CONTROL	
1	EA	89640	298276-001 4 MANIFOLD ACTUATOR CONTROL	

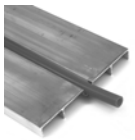
Rauboard
For Radiant Heat Systems



- 5% higher heat output than competitive plywood panels
- Choice of double groove or single groove panels simplify planning installation
- Plywood panels with aluminum heat transfer sheet install using typical construction jobsite tools
- 1/2 in. low profile panels minimize adjustments in retrofit projects

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	PKG	89622	298396-001 RAUBOARD RETURN GROOVE	
1	PKG	89621	298796-001 RAUBOARD SINGLE GROOVE (6PCS)	
1	PKG	89694	298896-001 RAUBOARD DOUBLE GROOVE (6PCS)	

Heat Transfer Plates
For Radiant Heat Systems



These heavy guage extruded aluminum heat transfer plates are used in joist space installations to maximize heat transfer and improve efficiency. The unique design allows the heat transfer plates to be screwed into the joist space and RAUPEX pipe to snap into the plates for convenient installation. Plates are 3.5 x 48 in (8.9 x 121.9 cm) with pre-drilled 1/8 in. holes for ease of installation.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	89693	298926-001 HEAT TRANSFER PLATE RAUPLATE FOR 1/2" RAUPEX	
20	EA	89619	235962 HEAVY GAUGE 3/8" HEAT TRANSFER PLATE RAUPEX	
20	EA	89620	235972 HEAVY GUAGE 1/2" HEAT TRANSFER PLATE RAUPEX	

Manifold Accessories
For Radiant Heat Systems

Manifold Outlets

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	89632	267507-101 3/8" RAUPEX X R-20 BRASS MANIFOLD OUTLET	
1	PKG	89633	261007-101 1/2" RAUPEX X R-20 BRASS MANIFOLD OUTLET	
1	PKG	89634	267557-101 5/8" RAUPEX X R-20 BRASS MANIFOLD OUTLET	
1	PKG	89635	267007-101 3/4" RAUPEX X R-20 BRASS MANIFOLD OUTLET	
1	PKG	89624	200546-001 10.1MM X R-20 BRASS MANIFOLD OUTLET	

Accessories

1	EA	89638	250209-C R-20 BRASS CAP W/ GASKET	
1	EA	89639	250213 1" BRASS MANIFOLD END CAP W/GASK.	
1	EA	89637	250218 MINI THERMOMETER FOR NPT VALVE	
1	EA	89645	260166 4-WIRE MANIFOLD VALVE ACTUATOR	
1	EA	89636	267007-100 EPDM O-RING FOR RAUPEX R-20	

Support Bends and Guides
For Radiant Heat Systems

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	89646	266207 3/8" AND 1/2" POLYMER SUPPORT BEND	
50	EA	89647	266227 3/4" POLYMER SUPPORT BEND	
40	EA	89648	266170-001 3/8" AND 1/2" PVC BEND GUIDE	
30	EA	89649	266175-001 5/8" AND 3/4" PVC BEND GUIDE	

Tools and Accessories
For Radiant Heat Systems

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89860	105107-001 1/2", 3/4", 1" KIT EVERLOC+ PWR TOOL STNDRD KIT	
10	EA	89668	200526-001 10.1 MM EVERLOC COUPLING	
1	EA	89696	243107 COMBOLOC COMBINATION EXPANSION/COMPRESSION TOOL	
1	EA	89655	257334 AIR PRESSURE TESTER KIT	
1	PKG	89658	261556 1/2" LOCKING CLIPS (100PCS)	
1	PKG	89659	261766 LOW PROFILE 1/2" TALONS 100EA	
1	EA	89697	261856- 3/8" EXPANDER HEAD RO	
1	EA	89698	261866- 1/2" EXPANDER HEAD RO	
1	EA	89651	261876 5/8" EXPANDER HEAD	
1	EA	89656	286151-002 RAUPEX HORIZONTAL UNCOILER	
1	EA	89654	298196-001 RAUTACK 3D 2-3/8" FOAM STAPLE	
1	EA	89652	298956-001 RAUTACKER 3D STAPLER TOOL	
1	EA	89653	298966-001 RAUTAK 3D 1-3/8" FOAM STAPLE	
1	PKG	89657	724448- NYLON PIPE TIES (1000PCS)	

Raupex Compression Nut Fittings
For Radiant Heat Systems



260997



267517

RAUPEX split-ring compression nut brass fittings are machined from solid brass stock.
Integral fitting/insert design provides posi-tive clamping and sealing action with split compression ring.

Raupex MPT Adapters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	89660	267517 3/8" RAUPEX X 1/2" MPT OR 1/2" C FEMALE (SWEAT)	
5	EA	89661	260987 1/2" RAUPEX X 1/2" MPT OR 1/2" C FEMALE (SWEAT)	
5	EA	89662	267567 5/8" RAUPEX X 1/2" MPT OR 1/2" C FEMALE (SWEAT)	
1	EA	89663	260357 3/4" RAUPEX X 1/2" MPT OR 1/2" C FEMALE (SWEAT)	
1	EA	89664	260477 1" RAUPEX X 1" MPT OR 3/4" C FEMALE (SWEAT)	

Raupex Adapter

5	EA	89665	260997 1/2" RAUPEX X 1/2" C FEMALE SW	
1	EA	89666	260347 3/4" RAUPEX X 3/4" C FEMALE SW	
1	EA	89667	260467 1" RAUPEX X 1" C FEMALE(SWEAT)	

Expansion Heads for ProPEX Tool



Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
1	EA	81122	49-16-2404 M12 1/2IN PROPEX EXPANSION HEAD		
1	EA	81125	49-16-2408 M12 1IN PROPEX EXPANSION HEAD		

EVERLOC+ Fittings
For Radiant Heat Systems


Sleeve

Designed for use with RAUPEX pipes, EVERLOC+ compression-sleeve fittings have a larger inside diameter than typical PEX crimp ring fittings, resulting in superior flow characteristics. Secure connections can easily be made even in tough weather conditions, providing you with reliability and reduced pressure loss.


EVERLOC+ Adaptor


MPT Adaptor


FPT Adaptor

EVERLOC+ Sleeves

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	89862	104817-001 5/8" EVERLOC+ PEX A SLEEVE	
150	EA	89863	104818-001 3/4" EVERLOC+ PEX A SLEEVE	
80	EA	89864	104819-001 1" EVERLOC+ PEX A SLEEVE	

EVERLOC+ Adapters

75	EA	89865	317185-001 1/2" X 1/2" OR 3/8" CF EVERLOC+ LF BRASS ADAPTER	
35	EA	89866	317184-001 1/2" X 1/2" CF EVERLOC+ LF BRASS ADAPTER	
5	EA	89867	317189-001 3/4" X 1" CF EVERLOC+ LF BRASS ADAPTER	
30	EA	89868	317186-001 3/4" X 3/4" CM EVERLOC+ LF BRASS ADAPTER	
20	EA	89869	317187-001 3/4" X 3/4" CF EVERLOC+ LF BRASS ADAPTER	
15	EA	90294	317190-001 1" X 1" CM EVERLOC+ LF BRASS ADAPTER	
15	EA	90295	317191-001 1" X 1" CF EVERLOC+ LF BRASS ADAPTER	

EVERLOC+ Dual MPT Adapters

40	EA	90296	317174-001 3/8" X 3/8" MPT EVERLOC+ LF BRASS ADAPTER	
40	EA	90297	317171-001 1/2" X 1/2" MPT EVERLOC+ LF BRASS ADAPTER	
30	EA	90298	317175-001 5/8" X 1/2" MPT EVERLOC+ LF BRASS ADAPTER	
35	EA	89874	243647-101 5/8" EVERLOC X 1/2" MPT OR 1/2" C FEMALE (SWEAT)	
25	EA	89683	260327-101 3/4" EVERLOC X 3/4" MPT OR 1/2" C FEMALE (SWEAT)	
20	EA	89684	260597-101 3/4" EVERLOC X 1" MPT OR 3/4" C FEMALE (SWEAT)	
15	EA	89685	260437-101 1" EVERLOC X 1" MPT OR 3/4" C FEMALE (SWEAT)	

EVERLOC+ FPT Adapters

35	EA	89686	260287-101 1/2" EVERLOC X 1/2" FPT ADAPTER	
25	EA	89687	260387-101 3/4" EVERLOC X 3/4" FPT ADAPTER	
10	EA	89688	260487-101 1" EVERLOC X 1" FPT ADAPTER	

EVERLOC+ Elbows

10	EA	89861	104860-001 3/4" X 3/4" EVERLOC+ POLYMER ELBOW	

Foamboard Stapler

For In-Floor Radiant Heating Installations



- Operates from a comfortable standing position
- Ergonomic D-grip handle
- Durable lightweight construction
- Cleaner staple feed
- Smoother stapling action

Foamboard Stapler

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80898	FBSN FOAMBOARD STAPLER	

Staples

1	EA	80900	FBS2BX 2-1/2 IN FOAMBOARD STAPLES 300/BX	

Reflectix® Radiant Floor Insulation



HVDBW48125



HVST1605

HVDBW48125 Concrete Slab Insulation

- For radiant floor and snow melt systems under concrete.
- 5/16" thick.
- One layer of aluminum bonded to an external layer of white polyethylene and internally bonded to two layers of heavy gauge polyethylene bubbles.

HVST1605 Staple Tab Bubble Reflective Insulation

- For radiant floor systems above or below a wooden (joist) subfloor
- 5/16" thick.
- Two 96% reflective layers of film bonded to two internal layers of heavy gauge polyethylene bubbles.
- "Staple Tab Edge" provides ease of installation on 16" on-center applications

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	RLL	41910	HVDBW48125 4X125 FT CONCRETE SLAB INSULATION		
1	BAG	41912	HVST1605003 16IN X 50FT FOIL DUCT INSUL 3 ROLLS/BAG		

Reflective Insulation

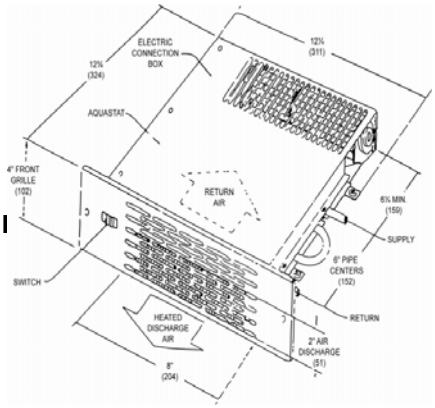


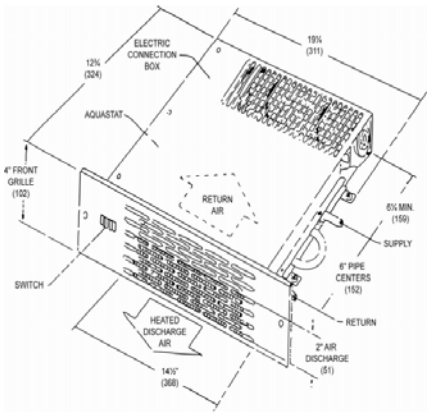
C2RP is an under-concrete insulation that consists of a double layer of heavy duty polyethylene bubbles, sandwiched between a reflective aluminum sheet, and a clear polyethylene film.

- Can easily be installed over rough grade
- Reduces heat loss to the ground below
- Methane, radiant, and vapor barrier all-in-one
- Helps direct radiant heat into the living space
- Easily forms around plumbing, wiring, and more
- Thermal Value: Equivalent to R-10

STD PKG	U/M	BERCIR NUMBER	DESCRIPTION	PC-1 1–9	PC-2 10
1	RLL	10595	C2RP48X125 FOIL/DOUBLE BUBBLE/POLY 4X125 FT ULTRA BARRIER RFOIL		

Hideavector3 Baseboard and Accessories





Hideavector3 heaters are the ideal solution wherever space is limited:

- Under cabinets
- In kitchens, baths and foyers
- Under stair risers and windows

Heating Capacity (BTU/Hr.*)

Water Flow Rates (Gallons)	Entering Water Temperature (°F)											Friction Loss (Heads)
Model	GPM	110**	120**	130**	140	150	160	170	180	190	200	
HAV-48-3	1	1480	1800	2175	2590	3050	3510	3895	4278	4660	5015	.17 ft.
	2	1520	1840	2220	2640	3120	3590	3980	4375	4770	5127	.8 ft.
	3	1560	1875	2260	2690	3190	3670	4065	4470	4875	5240	1.2 ft.
HAV-88-3	1	3370	4055	4770	5540	6300	7000	7730	8460	9180	9910	.22 ft.
	2	3440	4145	4875	5670	6440	7155	7900	8650	9390	10,135	.95 ft.
	3	3515	4230	4980	5795	6585	7310	8070	8840	9600	10,360	1.5 ft.

* Based on 65° F entering air temperature with fan at high speed including the heating effect factor.
** Blower operates at water temperature above 140° F with standard self-contained aquastat. Optional low temperature aquastat available for low temperature application.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65317	HAV-48-3 HIDE-A-VECTOR	
1	EA	65318	HAV-88-3 HIDE-A-VECTOR	

Baseboard Heaters and Accessories



Embassy baseboard heaters are ideal for any type of residential or light commercial installation. They have a rugged fron panel, efficient operation, superior design, and are easy to install. The pivot damper can be modulated from fully opened to fully closed position with the touch of a finger.

Units are I-B-R rated and approved. Under the I-B-R fourth edition of testing and rating code 4 GMP is recommended for all normal loop systems. When flow rate in unknown, the I-B-R approved flow rate of 1 GPM must be used.

Average Hot Water Temperature with 60° F Entering Air

GPM	#/Hour	170° F	180° F	190° F	200° F	210° F	220° F	230° F	240° F
4	2000	510	580	640	710	770	850	910	970
1	500	480	550	610	670	730	800	860	920

Baseboard Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10-19	PC-3 20
1	EA	61578	KRP-D 3FT WHITE ENCLOSURE WITH ELEMENT			
1	EA	61611	KRP-D 4FT WHITE ENCLOSURE WITH ELEMENT			
1	EA	61612	KRP-D 5FT WHITE ENCLOSURE WITH ELEMENT			
1	EA	61633	KRP-D 6FT WHITE ENCLOSURE WITH ELEMENT			
1	EA	61634	KRP-D 7FT WHITE ENCLOSURE WITH ELEMENT			
1	EA	61635	KRP-D 8FT WHITE ENCLOSURE WITH ELEMENT			
1	EA	61636	KRP-D 10 FT WHITE ENCLOSURE WITH ELEMENT			
1	EA	61640	KCA-D 10FT WHITE ENCLOSURE ONLY			
1	EA	61641	KE 5FT 3/4IN ELEMENT ONLY			

White Accessories

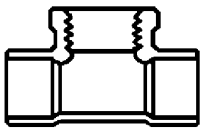
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
48	EA	61643	KCC-L 3IN WHITE LEFT END CAP	
48	EA	61645	KCC-R 3IN WHITE RIGHT END CAP	
12	EA	61770	KHB HANGER BRACKET	
12	EA	61647	KHC-L 6IN WHITE HINGED END CAP	
12	EA	61650	KHC-R 6IN WHITE HINGED END CAP	
12	EA	61662	KIC 45 DEGREE INSIDE WHITE CORNER	
12	EA	61651	KIC 90 DEGREE INSIDE WHITE CORNER	
12	EA	61655	KOC 90 DEGREE OUTSIDE WHITE CORNER	
12	EA	61769	KSP 3 PIECES WHITE SPLICE SET	
12	EA	61665	KWJ-L 3IN WHITE WALL JOINER	
12	EA	61768	KWJ-R 3IN WHITE WALL JOINER	

Streamline® Tube • Fittings • Valves Copper Sweat Fittings

Tees: T301 and T302



T301



T302R

T301 Copper to Copper FPT to Copper BB Vent Tees

Nominal Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
1/2 x 1/8 x 1/2	50	EA	54428	T301 5/8X1/8X5/8 OD BB TEE			
3/4 x 1/8 x 3/4	25	EA	54429	T301 7/8X1/8X7/8 OD BB TEE			
1 x 1/8 x 1	10	EA	54430	T301 1 1/8X1/8X1 1/8 OD BB TEE			

T302R Copper to Copper FPT Tees

3/4 x 3/4 x 1/2	25	EA	54373	T302R 7/8ODX7/8ODX1/2FPT TEE			
1 x 1 x 1/2	10	EA	54374	T302R 1 1/8X1 1/8 OD X 1/2FPT TEE			

Honeywell AquaPump

Three-speed Circulatory Pumps



AquaPump eliminates the guesswork in the boiler room. With 3 sizes, multiple speeds for each size and the unique Twist-to-Fit flange, AquaPump has you covered for every application. Because a single AquaPump can replace a wide range of competitive models, you can handle nearly all retrofits with just one brand.

- Twist-To-Fit universal flange rotates 90° to fit every application
- Threaded conduit connection
- Stainless steel plate and can
- Impeller engineered for a quieter, more efficient operation
- Ceramic bearings and shaft
- 5-year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	73861	PC3F1558IUF00/U AUQAPUMP 3 SPEED	
1	EA	73862	PC3F2699IUF00/U AUQAPUMP 3 SPEED	
1	EA	73863	PC3F4344IUF00/U AUQAPUMP 3 SPEED	

Hot Water Circulating Pump Motors



- Reversible rotation resilient hub rings
- Special balance for quiet operation
- Coupler assembly required for proper Bell & Gossett replacement
- Units match OEM performance and features
- Sleeve bearings have all angle thrust system
- 50° C ambient
- Painted red
- Discount symbol: DS-3FMP
- Class A insulation

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65351	3255 1/12 115V SPLIT PHASE CIRCULATING PUMP MOTOR - 4.63 BOLT CIRCLE	
1	EA	65354	3256 1/6HP 115V SPLIT PHASE CIRCULATING PUMP MOTOR - 4.63 BOLT CIRCLE	
1	EA	65358	3257 1/6HP 115V SPLIT PHASE CIRCULATING PUMP MOTOR - 5.0 BOLT CIRCLE	
1	EA	65379	3259 1/4HP 115V SPLIT PHASE CIRCULATING PUMP MOTOR - 5.00 BOLT CIRCLE	
1	EA	65386	3261 3/4HP 115 / 208-230V CAPACITOR START PUMP MOTOR - 5.86 BOLT CIRCLE	

GRUNDFOS UP Series Circulator Pumps



Grundfos Series UP circulators are wet rotor, single-stage, direct-drive centrifugal pumps designed for domestic and light commercial applications. Features include:

- Built-in motor protection
- Quiet, maintenance-free performance
- Flushed bearing design.
- Special lip seal and filtr system on the Brute model (designed specifically for hydronic applications)
- U.L. Listed and CSA approved
- Integrated check valve available on FC model

Maximum Working Pressure: 145 PSI
Maximum Fluid Temperature Closed System: 230° F (at corresponding ambient temperature of 104° F)
Maximum Fluid Temperature Open System: 140° F
NOTE: Mixtures of water and ethylene or propylene glycol solutions of up to 50% by volume may be pumped. For information regarding the suitability of pumping other fluids, contact the factory

Bronze Body, 1-Speed, 115V

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66527	UP15-42 B5 1-SPD BRONZE PUMP 115V 1PH HYDRO HEAT	
1	EA	66308	UPS15-58FC 3-SPD CAST IRON PUMP L/FLANGE W/CHECK VALVE	
1	EA	66317	UPS26-99FC 3-SPD CAST IRON PUMP L/FLANGE W/CHECK VALVE	
1	EA	66713	UPS26-99SFC 3-SPEED STAINLESS STEEL PUMP L/FLANGE W/CHECK VALVE	
1	EA	66318	UPS43-44FC 3-SPD CAST IRON PUMP L/FLANGE W/CHECK VALVE	
1	EA	66626	UPS43-100F 3-SPD CAST IRON PUMP L/FLANGE	

Super Brute, 3-Speed Pumps, Cast Iron Body, Flange Mount, 115V

1	EA	66324	UPS43-44BFC 3-SPD BRONZE PUMP L/FLANGE W/CHECK VALVE	

Stainless Steel Body, Flange Mount, 115 Volt

1	EA	66326	UPS15-35SFC STAINLESS STEEL PUMP L/FLANGE	

GRUNDFOS Alpha Series Circulator Pump

With Terminal Box



The easy-to-read LED display in the ALPHA™ offers a range of unique, user-friendly features for monitoring the system:

- A large, real-time display indicates energy consumption
- This same display will toggle every 4 seconds between power consumption and the flow indicator, showing the relative estimated flow rate in gallons per minute
- A 1-touch, button-type interface permits the user to toggle quickly and easily among seven different hydraulic operating modes, 3 fixed speeds, 3 levels of constant pressure, and the AUTOADAPT™ setting

The objective of the AUTOADAPT™ algorithm is to measure and analyze the heating system during operation and adapt to the current heating pattern. The system adapts to night vs. day operations, summer vs. winter seasons, and heat losses or gains affecting room temperature.

Power cord included.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66742	ALPHA2 15-55F CAST IRON CIRCULATOR PUMP W/TERMINAL BOX	

GRUNDFOS Packaged Flange Sets

Flange Sets for Super Brute, 3-Speed Pumps

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	SET	66422	519604 1 1/2" GF 15/26 CAST IRON FLANGE SET	
1	SET	66424	519651 3/4" BRONZE FLANGE SET	
1	SET	66425	519652 1" BRONZE FLANGE SET	
1	SET	66423	539605 1 1/2" GF 40/43 CAST IRON FLANGE SET	
1	SET	66426	539615 1 1/2" BRONZE FLANGE SET	

Flange Sets for Flange-Mounted Pumps

For Use with the Following Models	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
UPS15-58FC, UPS26-99FC, Alpha	10	PR	66313	GF 15/26 3/4"SWT X FLG ISOLATION FLANGE W/BALL VALVE	
UPS15-58FC, UPS26-99FC, Alpha	10	PR	66314	GF 15/26 1"SWT X FLG ISOLATION FLANGE W/BALL VALVE	
UPS15-58FC, UPS26-99FC, Alpha	10	PR	66315	GF 15/26 1-1/4"SWT X FLG ISOLATION FLANGE W/BALL VALVE	
UPS15-58FC, UPS26-99FC, Alpha	1	SET	66419	519601 3/4" CAST IRON FLANGE SET	
UPS15-58FC, UPS26-99FC, Alpha	1	SET	66420	519602 1" CAST IRON FLANGE SET	
UPS15-58FC, UPS26-99FC, Alpha	1	SET	66421	519603 1 1/4" CAST IRON FLANGE SET	

Flange Gaskets

Cast Iron or Bronze Flanges, UP15, 25, and 26	1	EA	66357	510179 1-1/4" FLANGE GASKET	
All Bronze Isolation Flanges, UP15, 25, and 26	1	EA	66356	510231 BRONZE ISOLATION FLANGE GASKET	
Cast Iron or Bronze Flanges, UP43	1	EA	66344	530244 1-1/2" FLANGE GASKET	

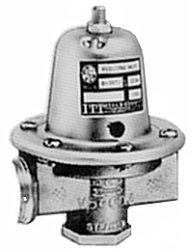
Isolation Valves for Union Mounted Pumps

UP15-42SU	1	SET	66430	519850 1/2" BRNZ UNION ISOLATION VLV SET	
UP15-42SU	1	SET	66431	519852 3/4" BRNZ UNION ISOLATION VLV SET	
UP15-42SU	1	SET	66432	529911 3/4" BRONZE UNION SWEAT FITTING SET	

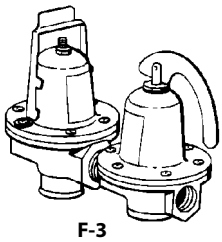
Cartridge Kit

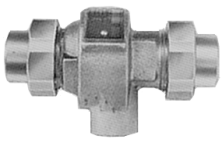
UP15 and UPS15	1	EA	66528	506173 15-42 CARTRIDGE KIT	

Bell & Gossett **Hydronic Specialties**


B-38 & B7-12


ATF


F-3


Backflow Preventer


FB-38


DT2


SA

ATF Airtrol Tank Fittings

The Airtrol System is designed to maintain the right amount of air in the compression tank. It is important to match the Airtrol Tank Fittings as closely as possible to the diameter of the tank.

Backflow Preventers

Bronze construction with 1/2" NPT connection. Operating pressure 175 PSI meets ASSE Standard 1012 and is accepted by the State of Indiana plumbing code.

DT-2 Drain-O-Tank® Air Charger

The Drain-O-Tank Air Charger offers a sure, quick way to recharge a water-logged compression tank.

- Working Pressure: 125 psi
- Maximum Operating Temperature: 240° F

Reducing Valves

Reducing valves fill the system to a preset pressure for optimum performance. Dual unit valves include both pressure reducing valve and relief valve.

- Fast fill feature reduces start-up time and labor
- Low inlet pressure check valve
- Convenient cleanable strainer is designed to prevent dirt and sediment from entering the system
- Union connection available with 1/2" male NPT thread and 1/2 " female sweat tail-piece
- Lead-free brass body construction is corrosion-resistant and ideal for potable water systems

SA Flo-Control™ Valves

Flo-Control valves prevent gravity flow in forced hot water systems and permit summer/winter operation of indirect water heaters.

- Straight and angle patterns; 3/4" to 1-1/2"
- Removeable top cap allows easy cleaning and service
- Manual operating position for vertical lift disc to permit gravity circulation.

Tank Fittings

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	65349	112008 ATF-9 AIRTOOL TANK FITTING	
12	EA	65350	112010 ATF-12 AIRTOOL TANK FITTING	

Backflow Preventers

1	EA	65336	40-4A3-3AM 110914 1/2" BACKFLOW PREVENTER	
5	EA	52800	113-D25 1/2 X 2 1/2 BRASS NIPPLE	
1	EA	65548	T-459 1/2" BACKFLOW PREVENTER	

DT-2 Drain-O-Tank Air Charger

1	EA	65335	113041 DT2 DRAIN-O-TANK AIR CHARGER	

Pressure Reducing Valves and Pressure/Relief Valve

12	EA	65332	110190LF B-38 1/2" PRESSURE REDUCING VALVE	
1	EA	65334	110192LF FB-38 1/2" REDUCING VALVE W/FASTFILL	
12	EA	65333	110196LF B7-12 3/4" PRESSURE REDUCING VALVE	
1	EA	65338	110197LF 1/2 IN BRASS F-3 DUAL UNIT VALVE W/FASTFILL	
1	EA	65286	189160 STRAINER AND GASKET FOR B7-12	

SA Flo-Control Valves with Straight and Angle Patterns

6	EA	65345	107034 SA 3/4" FLO CONTROL VALVE	
6	EA	65346	107018 SA 1" FLO CONTROL VALVE	
6	EA	65347	107019 SA 1-1/4" FLO CONTROL VALVE	
6	EA	65348	107020 SA 1-1/2" FLO CONTROL VALVE	

Bell & Gossett Differential Bypass Valve



- Controls excess flow in the system when there is reduction in demand
- Available in 3/4" connection
- All brass body with non-ferrous internals

The differential bypass valve is used in systems where heating loads may be excluded from the circuit as zone valves close. It controls the excess flow in the system by acting as a bypass while ensuring adequate flow to the remaining open circuits. The differential bypass valve helps reduce velocity noise caused by excess flow through the circuits while maintaining the pump head at a constant value.

Model Number	Part Number	A In (mm)	B In (mm)	C In (mm)	D In (mm)	Connection Type	Weight (Lbs)
DB-3/4	113247	3/4 (19)	2-5/16 (59)	1 (59)	4 (104)	M, NPT	1

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65486	113247 DB - 3/4" DIFFERENTIAL BYPASS VALVE	

FLEXCON INDUSTRIES Standard Compression Tanks



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65374	G818018 TP018 12X36 COMPRESSION TANK	
1	EA	65373	G818015 TP015 12X30 COMPRESSION TANK	
1	EA	65375	G818030 TP030 12X60 COMPRESSION TANK	

LEGEND VALVE Threaded Check Valves



T-451 check valves, constructed of heavy duty brass, prevent backflow while offering full flow performance with a minimum of turbulence or pressure loss. For residential and commercial applications.

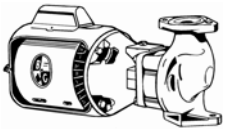
T-451 Check Valves

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68532	T-451 1 1/4IN CHECK VALVE	

T-451 No Lead Check Valves

10	EA	52706	105-105NL 1 IN T-451 CHECK VALVE NO LEAD	
10	EA	52705	105-104NL 3/4 IN T-451 CHECK VALVE NO LEAD	
5	EA	52707	105-106NL 1-1/4 IN T-451 CHECK VALVE NO LEAD	

Bell & Gossett Booster Pumps, Circulators, and Flanges



100 Series



NRF-25, NBF-25

100NFI, 100BNFI 2NFI, and HVNFI

Bell & Gossett in-line oil lubricated booster pumps are designed for hydronic systems.

LR20WF

The Little Red close-coupled booster pump is specifically designed for quiet operation in solar and hydronic systems.

NRF-25, NBF-25

This flanged in-line system lubricated circulating pump is designed specifically for quiet operation in a closed hydronic heating system.

NRF-25: Cast iron

NBF-25: Bronze

Date Of Manufacture Code

(The date code is made up of two or three characters depending upon the year.)

1946-1960 Two characters. The number denotes the month. The letter denotes the year.				1961-1982 Two characters. The first letter is month. The second letter is the year.				1983-Present Three characters. The letter denotes the month. The numbers denote the year.			
1	January	G	1946	A	January	A	1961	A	January	38	1983
2	February	H	1947	BC	February	B	1962	B	February	48	1984
3	March	J	1948	D	March	C	1963	C	March	58	1985
4	April	K	1949	E	April	D	1964	D	April	68	1986
5	May	L	1950	F	May	E	1965	E	May	78	1987
6	June	M	1951	G	June	F	1966	F	June	88	1988
7	July	N	1952	H	July	G	1967	G	July	98	1989
8	August	P	1953	J	August	H	1968	H	August	09	1990
9	September	R	1954	K	September	J	1969	J	September	19	1991
10	October	T	1955	L	October	K	1970	K	October	29	1992
11	November	U	1956	M	November	L	1971	L	November	39	1993
12	December	V	1957		December	M	1972	M	December	49	1994
		W	1958			N	1973			59	1995
		X	1959			P	1974			69	1996
		Y	1960			R	1975			79	1997
						T	1976			89	1998
						U	1977			99	1999
						V	1978			00	2000
						W	1979			10	2001
						X	1980			20	2002
						Y	1981			30	2003
						Z	1982			40	2004
										50	2005

3-Piece Oil Lubricated Booster Pumps

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65364	106507 LR-20-WR 1/15HP CAST IRON PUMP L/FLANGES	
1	EA	65362	106197LF 100 BNFI 1/12HP BRONZE PUMP L/FLANGES	
1	EA	65363	106189 100 NFI 1/12HP CAST IRON PUMP L/FLANGES	
1	EA	65366	102214 2NFI 1/6HP 2" CAST IRON PUMP W/FLANGES	
1	EA	65369	102210 HVNFI HV NFI 1" 1/6HP CAST IRON PUMP L/FLANGE	

Maintenance Free Wet Rotor Circulator Pumps

1	EA	61542	103417 NRF-25 3 SPEED CAST IRON PUMP L/FLANGES	
1	EA	61938	103418LF NBF-25 3 SPEED BRONZE PUMP L/FLANGES	

Flange Sets

1	PR	65359	118347 3/4" BRONZE FLANGE SET	
1	PR	65370	118346 3/4" FLANGE SET	
1	PR	65371	118355 1" FLANGE SET	
1	PR	65228	118356 1" BRONZE FLANGE SET	
1	PR	65383	118370 1-1/4" FLANGE SET	
1	PR	65384	118375 1-1/2" FLANGE SET	

Continued on the Following Page

Isolation Flanges with Built-in Ball Valve

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PR	65249	101226 3/4"SWT X FLG ISOLATION FLANGE W/BALL VALVE	
1	PR	65251	101227LF 1" SWT ISOLATION FLANGE W/BALL VALVE	
1	PR	65264	101228LF 1-1/4" SWT ISOLATION FLANGE W/BALL VALVE	

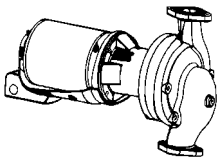
HV Flanges

1	PR	65387	118354 1" FLANGE SET	
1	PR	65388	118372 1-1/4" FLANGE SET	
1	PR	65361	118374 1-1/2" FLANGE SET	

Seal Kits

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1510, 1531, Series 80, Series 90All Iron Constructions	1	EA	65680	186862LF SEAL KIT	
PD-38-39-40, Series 60, Series 90, 1535	1	EA	65681	186499LF SEAL KIT #2	
	1	EA	65684	118681LF SEAL KIT #7	
1510, 1531, Series 80	1	EA	65683	186543LF SEAL KIT #8	

Bell & Gossett Series 60 Inline Centrifugal Pumps

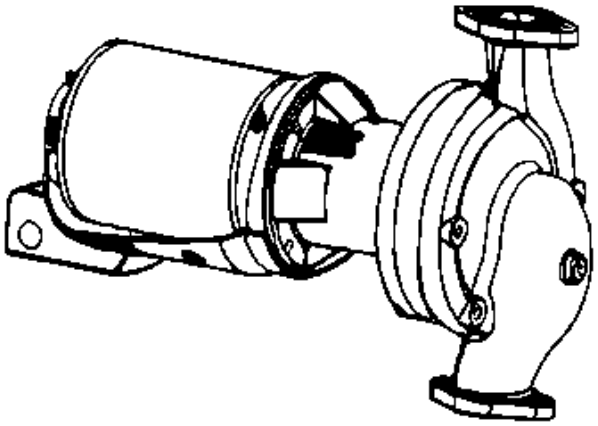


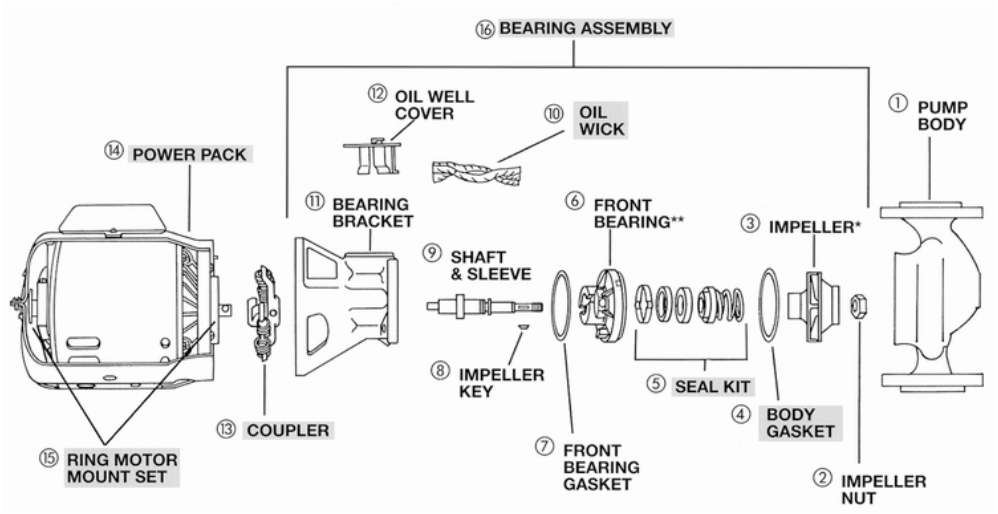
The 60 Series features a maintenance free pump and motor design that provides worry free, install and forget operation. These pumps are for use in hydronic heating and cooling systems, domestic water, industrial, and general service.

Pipe Size Suction	Pipe Size Discharge	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1-1/4	1-1/4	1	EA	83310	1EF017LF 1/3HP E605S 115/230V 1PH PUMP	
1-1/4	1-1/4	1	EA	65734	1EF004LF 1/2HP E606S 115/230V 1PH PUMP	
1-1/2	1-1/2	1	EA	83311	1EF005LF 3/4HP E609S 115/230V 1PH PUMP	
2	2	1	EA	65761	1EF006LF 1HP E612S 115/230V 1PH PUMP	
1-1/4	1-1/4	1	EA	65707	172732 605T 208/230/460V 1/3HP 3PH PUMP	
1-1/2	1-1/2	1	EA	65710	172739 609T 208/230/460V 3/4HP 3PH PUMP	

Bell & Gossett

Parts Identification



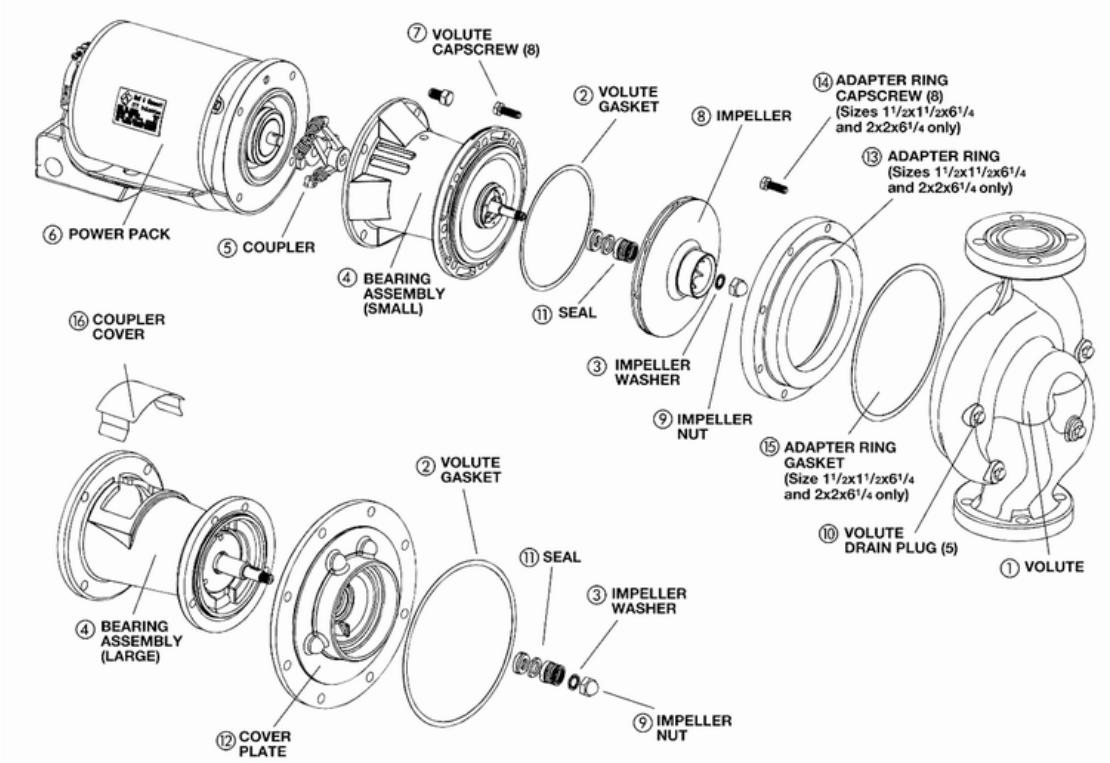


Circulator replacement parts for Series 100, Series HV, 2?, PR, 2-1/2?, LD-3 and HD-3 Models.

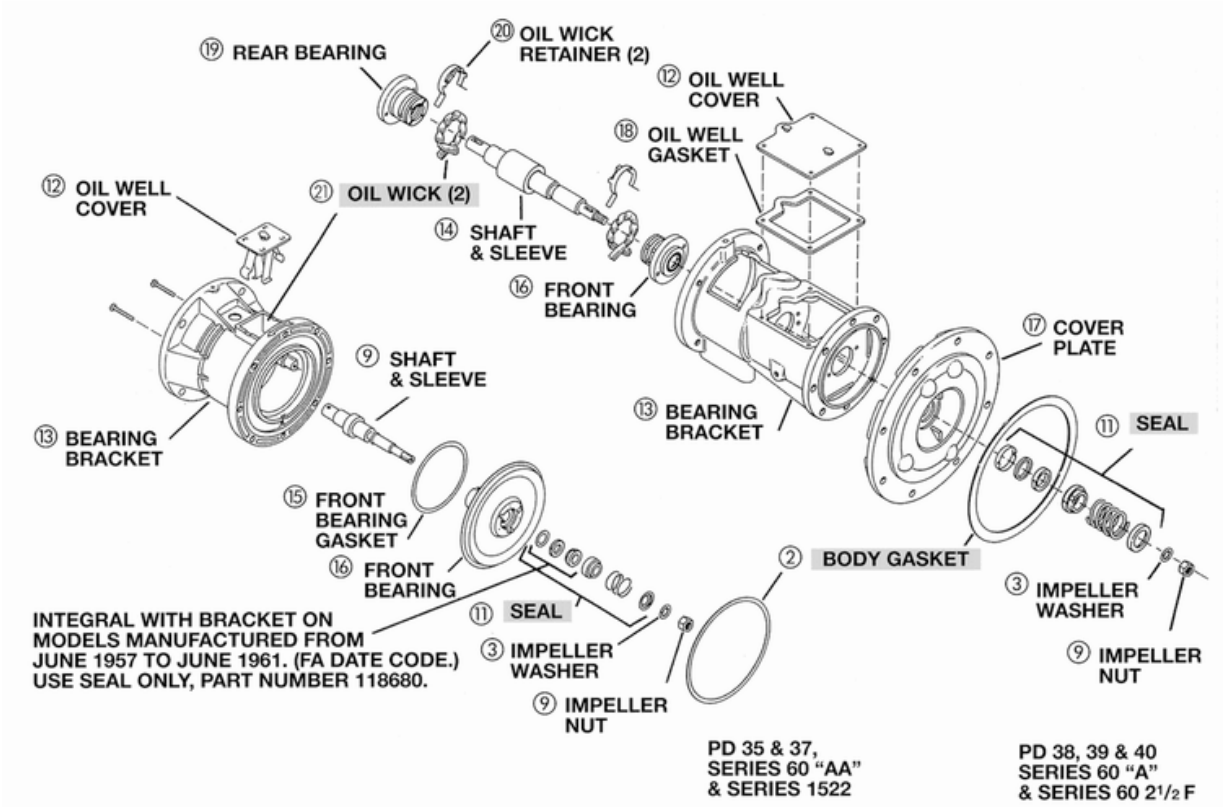
* Impeller not always included in bearing assembly.

** Shown rotated 90°.

Bell & Gossett **Parts Identification**



NOTE: Use liquid sealant in place of bearing gaskets on PD38, PD39, and PD40 pumps.



Bell & Gossett Replacement Parts

Parts for Series 100 (Manufactured after November 1956)

Additional Product Information	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
100 NFI, 100 BI, 100 AB, 100 BNFI	1	EA	65367	111034 1/12 HP MOTOR	
100 NFI, 100 BI, 100 AB, 100 BNFI	1	SET	65397	118223 MTG RING SET	
100 NFI, 100 BI, 100 AB, 100 BNFI	1	SET	65380	118368 FLANGE GASKET SET	
100 NFI, 100 BI, 100 AB, 100 BNFI	1	SET	65657	118395 OIL WICK SET	
100 BI, 100 AB	1	EA	65470	118431LF IMPELLER	
100 NFI, 100 BI, 100 AB, 100 BNFI	1	EA	65684	118681 SEAL KIT #7	
Cast Iron, 100 NFI, 100 BI, 100 AB, 100 BNFI	1	EA	65649	118705 COUPLING	
100 NFI, 100 BI	1	EA	65403	118844LF BEARING ASSY	
100 AB, 100 BNFI	1	EA	65398	189034LF BRONZE BEARING ASSY	
Stamped Steel, 100 NFI,100 BI,100 AB,100 BNFI	1	EA	65391	189110 COUPLING	
100 NFI, 100 BNFI	1	EA	65405	189132LF IMPELLER	
—	1	EA	65399	L23401 B&G PUMP OIL TUBE	
100 NFI, 100 BI, 100 AB, 100 BNFI	1	EA	65389	P04080 BODY GASKET	

Part for Little Red (LR)

100 NFI, 100 BI, 100 AB, 100 BNFI	1	SET	65380	118368 FLANGE GASKET SET	

Parts for Series HV and 2" (Manufactured after January 1976)

Used With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
—	1	EA	65378	111061 P-P 5" 1/6HP MOTOR	
—	1	SET	65397	118223 MTG RING	
2" Pumps	1	SET	65544	118378 GASKET SET	
—	1	SET	65657	118395 OIL WICK	
HV Pumps	1	SET	65376	118373 FLANGE GASKET SET	
Cast Iron	1	EA	65649	118705 COUPLER	
Stamped Steel	1	EA	65391	189110 COUPLER	
—	1	EA	65400	189128LF IMPELLER	
—	1	EA	65431	189165LF BEARING ASSY CI OR BRNZ	
—	1	EA	65399	L23401 B & G PUMP OIL TUBE	
—	1	EA	65390	P04890 BODY GASKET	

Parts for Series HV and 2" (Manufactured Between January 1951 and June 1976)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	SET	65377	F13600 FLANGE GASKET SET	
1	EA	65407	118436LF IMPELLER	
1	EA	65660	118668 IMPELLER	
1	EA	65684	118681 SEAL KIT #7	
1	EA	65432	189162LF SEAL BEARING ASSEMBLY	
1	EA	65433	189163LF BEARING ASSEMBLY	

Parts for PR, 2-1/2", LD-3, and HD-3 (Manufactured After 1950)

Product Information	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2-1/2", LD-3	1	EA	65341	111040 P-P 1/4HP 115V MOTOR	
HD-3	1	EA	65342	111042 P-P 1/3HP 115/230V MOTOR	
PR	1	EA	65368	111031 P-P 1/6HP MOTOR	
2-1/2~B2, LD-3, and HD-3	1	SET	65547	118129 GASKET SET	
—	1	SET	65397	118223 MTG RING	
2-1/2", LD-3, HD-3	1	SET	65396	118228 MTG RING SET	
PR	1	SET	65380	118368 FLANGE GASKET SET	
—	1	SET	65657	118395 OIL WICK	
—	1	EA	65546	118440LF BRONZE IMPELLER	
2-1/2", LD-3	1	EA	65545	118676 STEEL IMPELLER	
—	1	EA	65684	118681 SEAL KIT #7	
PR-Cast Iron	1	EA	65649	118705 COUPLER	
2-1/2~B2, LD-3, and HD-3	1	EA	65392	118723 COUPLING	
—	1	EA	65650	189105LF BEARING ASSEMBLY	
PR-Stamped Steel	1	EA	65391	189110 COUPLER	
—	1	EA	65399	L23401 B & G PUMP OIL TUBE	
—	1	EA	65653	P05800 BODY GASKET	

Continued on the Following Page

Parts for Series PD

For Models	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
PD-35	1	EA	65385	111044 1/2HP 115/230V 1PH MOTOR	
PD-35	1	EA	65381	111046 1/2HP 208/230/460V 3PH MOTOR	
PD-37	1	EA	65382	111047 3/4HP 115/230V 1 PH MOTOR	
PD-37	1	EA	65355	111049 3/4HP 208/230/460V 3PH MOTOR	
PD-35, 37, 38, 39	1	SET	65547	118129 GASKET SET	
PD-35, 37	1	SET	65396	118228 MTG RING	
PD-35, 37	1	SET	65657	118395 OIL WICK	
PD-35, 37	1	EA	65673	118473 COUPLER	
PD-35	1	EA	65492	118630 IMPELLER	
PD-35, 37	1	EA	65672	118709 COUPLER	
PD-38, 39	1	EA	65236	169232 1HP 115/208-230V 1PH MOTOR	
PD-38, 39	1	EA	65237	169233 1HP 208-230/460V 3PH MOTOR	
PD-38, 39	1	EA	65337	185260 BEARING ASSY	
PD-38	1	EA	65681	186499 SEAL KIT #2	
PD-35	1	EA	65684	118681 SEAL KIT #7	
PD-35, 37	1	EA	65655	186863LF BEARING ASSY	
PD-38, 39	1	EA	65549	P04883 OIL WICK	
PD-35, 37	1	EA	65668	P57410 VOLUTE GASKET	
PD-38, 39	1	EA	65669	P57700 BODY GASKET	

Bell & Gossett Replacement Parts

Parts and Motors for Series 60 Maintenance Free Pumps

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
PD-35, 37	1	EA	65673	118473 COUPLER	
	1	EA	65230	169226 1/3HP 115/208-230V 1PH MOTOR	
	1	EA	65231	169227 1/3HP 208-230/460V 3PH MOTOR	
	1	EA	65232	169228 1/2HP 115/208-230V 1PH MOTOR	
	1	EA	65233	169229 1/2HP 208-230/460V 3PH MOTOR	
	1	EA	65234	169230 3/4HP 115/208-230V 1PH MOTOR	
	1	EA	65235	169231 3/4HP 208-230/460V 3PH MOTOR	
	1	EA	65469	185329 COUPLER	
	1	EA	65468	185332 BEARING ASSY	

Parts and Motors for Series 60 Pumps

PD-35	1	EA	65385	111044 1/2HP 115/230V 1PH MOTOR	
PD-35	1	EA	65381	111046 1/2HP 208/230/460V 3PH MOTOR	
PD-37	1	EA	65382	111047 3/4HP 115/230V 1 PH MOTOR	
PD-37	1	EA	65355	111049 3/4HP 208/230/460V 3PH MOTOR	
	1	EA	65357	118626 IMPELLER	
PD-38, 39	1	EA	65237	169233 1HP 208-230/460V 3PH MOTOR	
	1	EA	65344	169035 1/4HP 115V 1PH MOTOR	
	1	EA	65353	169038 1/3HP 115/230V 1PH MOTOR	
PD-38, 39	1	EA	65236	169232 1HP 115/208-230V 1PH MOTOR	
PD-38, 39	1	EA	65337	185260 BEARING ASSY	
	1	EA	65356	186410 COUPLER	
PD-35, 37	1	EA	65655	186863LF BEARING ASSY	

Parts for Series 80, 1510, and 1531

	1	EA	65227	185011 BEARING ASSY	
	1	EA	65268	185141 1 - 1/4" SHAFT SLEEVE	
	1	EA	65269	185143 1 - 5/8" SHAFT SLEEVE	
	1	EA	65683	186543 SEAL KIT #8	
	1	EA	65680	186862 SEAL KIT #1	
	1	EA	65679	P48690 GASKET	
PD-38, 39	1	EA	65669	P57700 BODY GASKET	

Pumps and Accessories

Flanges, Zone Valves, Zone Switching Relays, and Parts





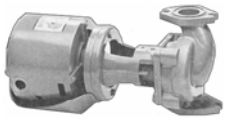
0010-F3



0011-F4-2IFC



007-F5 & 007-F7



110



0012, 0013, and 0015



VR1816



VT2218



Freedon Flanges



Swivel Flanges

0010-F3 Cartridge Circulator

This cast iron, flanged circulator is designed for all open-loop fresh water systems. The "00" family replaceable cartridge contains all of the moving parts for easy removal and service.

0011-F4-2IFC Cartridge Circulator

This high velocity circulator includes an integral flow check (IFC). The removeable, spring-loaded IFC replaces a separate in-line flow check and prevents gravity flow when the circulator is not operating. Cast iron casing.

007-F5 & 007-F7 Cartridge Circulators

The 007 is a cartridge style, maintenance-free, wet-rotor, in-line, single-stage, circulator pump. It is designed for quiet operation in hydronic and radiant heating, hydro-air fan coils, and indirect water heaters. The unique replaceable cartridge contains all of the moving parts and allows the circulator pump to be easily serviced.

110 Red Baron Circulator

For residential or light commercial hydronic systems. This pump features a one-piece, non-ferrous impeller; stainless-steel shaft; bronze sleeve bearing; two-piece, carbon/ ceramic seal assembly; and one-piece spring coupling.

3-Speed Cartridge Circulators with Integral Flow Check (IFC)

The removable, uni-body integral flow check prevents gravity flow and improves pump performance.

- The **0012** is designed to reduce installation costs when zoning with "00" circulators on high flow/medium head applications in large residential and light commercial systems.
- The **0013** is designed for high flow/high head applications in large residential and light commercial systems. Universal flange dimensions and orientation allow it to replace other models. Compact, low-power consumption design is ideal for high-efficiency jobs.
- The **0015** pump is designed for a wide range of flow and head requirements. Its 3-speed switching capability provides fine tuning control to match a wide combination of tube diameters and length of runs. The 0015 delivers the highest starting torque in its class.
- The **0015e3** features a high-effciency ECM motor, SureStart auto unblckers and purging mode, and Bio Barrier that protects the pump from system contaminants.

VR1816 Viridian High-Efficiency Circulator

The Viridian VR1816 circulator is an infinitely variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor. Operating modes include infinitely variable fixed speed and self-adjusting constant pressure or proportional pressure variable speed.

VT2218 Viridian High-Efficiency Circulator

A temperature sensing, self-adjusting, variable-speed wet rotor circulator with an ECM permanent magnet motor. Operating modes include differential temp., 4 fixed speeds, set point heat and cool, and boiler protection.

Shut-off Freedom Flanges

- Make quick work of installations with Taco's new flanges. They are now easy-on and easy-off with a common adjustable wrench.
- Cast iron flanges have NPT connection.
- Bronze flanges have sweat connection.

Swivel Shut-off Freedom Flanges

The Freedom Swivel Flange is a combination full-port shut-off valve and companion flange for most Taco circulators. The simple quarter-turn, lever handle operation allows for easy isolation, removal, and service of circulators wihtout draining the systems. Sweat connections rated for 240° F, 150# wp. Solid brass body with chrome plated brass ball valve.

Continued on the Following Page

Pumps

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61594	0010-F3 1/8HP 115/1 CAST IRON CIRCULATOR	—
1	EA	65498	0011-F4-2IFC TACO PUMP W/IFC	—
1	EA	61821	007-F5 1/25 HP CAST IRON CARTRIDGE CIRCULATOR	—
1	EA	69487	007-F7 1/30 HP CARTRIDGE CIRCULATOR	—
1	EA	65763	110-24 1/12 HP 115VOLT CAST IRON CIRCULATOR	—

3-Speed Pumps

1	EA	65132	0012-MSF1-IFC 3 SPD STD FLANGE CAST IRON CIRCULATOR	—
1	EA	65133	0013-MSF1-IFC 3 SPD STD FLANGE CAST IRON CIRCULATOR	—
1	EA	65282	0015E3-F4 VARIABLE SPEED ECM HIGH EFFICIENCY CIRCULATOR	—
1	EA	65502	0015 MSF3-IFC 3SPD PUMP CIRCULATOR 00R	—
1	EA	65746	110-251F 3/4IN FLANGE SET F/00 PUMPS	—
1	EA	65747	110-252F 1IN FLANGE SET F/00 PUMPS	—
1	EA	65748	110-253F 1 1/4IN FLANGE SET F/00 PUMPS	—
1	EA	65749	110-254F 1 1/2IN FLANGE SET F/00 PUMPS	—
1	EA	65134	194-1540F 1 1/4IN FLANGE	—
1	EA	65135	194-1542F 1 1/2IN FLANGE	—
1	EA	65136	194-2124F 2IN FLANGE	—

Viridian Pumps

1	EA	61595	VR1816 HY1-FC2A00 ECM VARIABLE SPEED CIRCULATOR	—
1	EA	61596	VT2218 HY1-FC1A00 ECM VARIABLE SPEED CIRCULATOR	—

Shut-off Freedom Flanges, Swivel

For Use With	STD PKG	U/M	BERCOR NUMBER		PC-1 EACH
005-0011, 0013-0015, 00R, 110-113, 2400-10/20/45/50	1	EA	83728	SF-075S 3/4IN BRASS SET OF 2 EA SHUT-OFF SWIVEL FLANGE	—
005-0011, 0013-0015, 00R, 110-113, 2400-10/20/45/50	1	EA	83729	SF-100S 1IN BRASS SET OF 2 EA SHUT-OFF SWIVEL FLANGE	—
005-0011, 0013-0015, 00R, 110-113, 2400-10/20/45/50	1	EA	83730	SF-125S 1 1/4IN BRASS SET OF 2 SHUT-OFF SWIVEL FLANGE	—

Boiler Zone Controls and Valves

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65319	329-3-4 1/2IN FAST FILL REDUCING VALVE	—
1	EA	65777	571-2 3/4IN TACO ZONE VALVE	—
1	EA	64973	572-3 1IN TACO ZONE VALVE	—
1	EA	65427	SR501-4 1 ZONE SWITCHING RELAY	—
1	EA	65428	SR502-4 2 ZONE SWITCHING RELAY W/PRIORITY	—
1	EA	65429	SR503-EXP-4 3 ZONE SWITCHING RELAY W/PRIORITY AND 3 POWER PORTS	—
1	EA	65450	SR504-EXP-4 4 ZONE SWITCHING RELAY W/PRIORITY AND 3 POWER PORTS	—
1	EA	65453	SR506-EXP-4 6 ZONE SWITCHING RELAY W/PRIORITY AND 3 POWER PORTS	—
1	EA	66526	ZA024Q4A1 24V ACTUATOR ZONE SENTRY HEAD	—
1	EA	61597	ZO75T2-2 3/4IN THREADED ZONE SENTRY ZONE VALVE	—
1	EA	61598	ZVC-403 3 ZONE VALVE CONTROL WITH PRIORITY	—

Parts

Fits the Following Units	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
007 Pump	1	SET	65756	007-007RP FLANGE GASKET SET	—
007 Pump	6	EA	65767	007-045RP BRONZE CARTRIDGE	—
007 & 100 Pumps	1	SET	65764	110-023RP FLAT FLANGE GASKET SET	—
555 Zone Valve	1	EA	65766	555-050RP TACO POWER UNIT	—
1600 Pump	1	EA	65751	1600-160RP-1 CARTRIDGE BEARING	—
1600 Pump	1	SET	65752	1600-169RP FLANGE GASKET SET	—
1600 Pump	1	KIT	65753	1600-868CRP 1600-846CRP 1700RP SEAL KIT	—
1/2" Zone Valve	1	EA	65760	E050C2-3 1/2IN SWEAT ELECTRONIC BALL VALVE	—
3/4" Zone Valve	1	EA	65322	Z075C2-1 3/4IN SWEAT ZONE SENTRY	—
1" Zone Valve	1	EA	65323	Z100C2-1 1IN SWEAT ZONE SENTRY	—

Boiler Accessories



AP400



700P



HTX15



109, 110

Air Purgers and Hydronic Vent

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1–5	PC-2 6
1	EA	65409	AP400/U 1" AIR PURGER	—	—
1	EA	65410	AP401/U 1-1/4" (432F) AIR PURGER	—	—
1	EA	65411	AP402/U 1-1/2" AIR PURGER	—	—
1	EA	65414	700P TUNSTALL HYDRONIC VENT	—	—

Diaphragm Type Expansion Tanks

1	EA	65422	HTX90 #90 15 GALLON TANK	—	—
1	EA	65441	HTX15 #15 2.1 GALLON TANK	—	—
1	EA	65442	HTX30 #30 4.5 GALLON TANK	—	—
1	EA	65443	HTX60 #60 6 GALLON TANK	—	—
1	EA	65119	SXHT 30 15 GALLON FLOOR MOUNT TANK	—	—
1	EA	65120	SXHT 60 33 GALLON FLOOR MOUNT TANK	—	—
1	EA	65121	SXHT 90 44 GALLON FLOOR MOUNT TANK	—	—

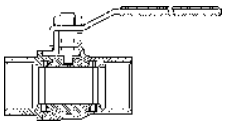
Fill-Trol Expansion Tanks

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68110	109 FILL-TROL 2 GALLON EXPANSION TANK PKG	—
1	EA	68111	110 FILL-TROL 4.4 GALLON EXPANSION TANK PKG	—

ProLine® Series B200T/S Series Fully Ported Ball Valves

Professional Plumbing & Heating Products

No Lead, For Gas Service



- For water, oil, and steam service.
- Cast bronze body.
- Meets Federal Specification -WW-V-35 C, Type II Class A Style 3 end connections A and C (threaded and solder).

Pressure Ratings: Water, air, steam, and non-combustible gases: 1/2" to 2"; 600 PSI WOG cold, non-shock, 150 WSP
Vacuum Service: 20" mercury
AGA Listed: Z21.15 standard for 1/2" through 2" at 1/2 PSI for appliance shutoff applications.
AGA Listed: 3-88 for 1/2" through 2" at 5 PSI for inside building piping.
ANSI and ASME Listed: B16.33 for 1/2" through 1" at 125 PSI.

No Lead Threaded Connection Ball Valves

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1–5	PC-2 6
20	EA	74812	107-823NL/ B200T 1017 1/2IN BALL VALVE	—	—
15	EA	74813	107-824NL /B200T 1025 3/4IN BALL VALVE	—	—
10	EA	74814	107-825NL /B200T 1033 1IN BALL VALVE	—	—
4	EA	74815	107-826NL /B200T 1041 1-1/4IN BALL VALVE	—	—
2	EA	74816	107-827NL /B200T 1058 1-1/2IN BALL VALVE	—	—
2	EA	74817	107-828NL /B200T 1066 2IN BALL VALVE	—	—

No Lead Sweat Connection Ball Valves

25	EA	74818	107-843NL /B200S 7015 1/2IN BALL VALVE	—	—
15	EA	74819	107-844NL /B200S 7023 3/4IN BALL VALVE	—	—
10	EA	74820	107-845NL /B200S 7031 1IN BALL VALVE	—	—
4	EA	74821	107-846NL /B200S 7049 1-1/4IN BALL VALVE	—	—
2	EA	74822	107-847NL B200S 7056 1-1/2IN BALL VALVE	—	—
2	EA	74823	107-848NL /B200S 7064 2IN BALL VALVE	—	—

Honeywell Hydronic Controls


AQ1000TN2


AQ250


AQ251


AQ254


AQ255

Communicating Thermostat

- Communication enables easy 2-wire "polarity insensitive" installation for quick and easy wiring of both retrofit and new construction jobs.
- Can display temperature as Fahrenheit or Celsius.
- Easy-to-read backlit display.
- Settings memory retained on power loss.
- Separate installer set-up and homeowner menus.

AQ250 and AQ25A Relay Control Panels

- For up to 4 zones
- 1-stage zoning
- Controls pumps or zone valves
- Can be expanded to a total of 16 zones with AQ255 zoning expansion panels.

AQ251 Reset Control Panels

- The features of AQ250 plus:
- Customizable control settings and schedules allow for greater level of control and comfort.
- Outdoor temperature compensation (reset)
- Allows outdoor temperature to be displayed on all thermostats
- Central set-back schedules available

AQ254 Expansion Control Panel

- Controls one mixed temperature loop
- Outdoor temperature compensation (reset)
- Zone synchronization
- Customizable control settings

AQ255 Expansion Panels

- AQ255 controls up to 16 zone valves without end switches
- Zone synchronization
- Auto test function to test zones at system start up

Communicating Thermostat

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	73837	AQ1000TN2/U NON-PROGRAMMABLE 2-WIRE THERMOSTAT	
1	EA	73836	AQ12C20/U SLAB FLOOR SENSOR	

Control Panels

1	EA	73833	AQ25042B/U CONTROLLER WITH DHW PRIORITY 4 ZONES OF PUMPS	
1	EA	73831	AQ25110B/U RESET CONTROLLER WITH DHW PRIORITY	
1	EA	73847	AQ25A42B/U PROGRAMMABLE RELAY CONTR OL PANEL 4 ZONE PUMP/VALVE	
1	EA	73848	AQ25242B/U UNIVERSAL INJECTION/MIXI NG BOILER RESET CONTROL PANEL	

Expansion Panels

1	EA	73832	AQ25400B/U ADD-A-TEMPERATURE EXPANSION CONTROL PANEL	
1	EA	73834	AQ25542B/U ZONING PANEL FOR 4 PUMPS EXPANSION PANEL	
1	EA	73835	AQ25582B/U ZONING PANEL FOR 8 PUMPS EXPANSION PANEL	

Honeywell Braukmann

Thermostatic Radiator Valves and Valve Bodies

For Two Pipe Systems



T104A



T104B



V110D



V110F

T104A

Direct mount control for high capacity system for use with V110 Series valve bodies. Air sensor built-in. Setting dial has guide marks (1-5) with selectable range limit stop at 68° F. This type of control requires mounting in horizontal position in good air flow.
Control Range: 46 to 83° F.

T104B

Control with combined remote set point and sensor mounted on a wall. Connected by a capillary tube to an actuator, which is mounted on the valve body. For use with V110 valve bodies.

V110 High Capacity Radiator Valve

Provide precise and automatic control of room temperature in two-pipe systems by modulating the flow of hot water or steam through free-standing radiators, convectors, and other heating units with high capacity requirements.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74984	T104A1040 THERM CONTROLLER	
1	EA	74985	T104B1038 THERM CONTROLLER	
5	EA	74988	V110D1000/U 1/2IN ST RADIATOR VALVE	
5	EA	74989	V110D1008/U 3/4IN ST RADIATOR VALVE	
5	EA	74992	V110F1002/U 1/2IN H/A RADIATOR VALVE	
5	EA	74993	V110F1010/U 3/4IN H/A RADIATOR VALVE	

Bell & Gossett

Watchman® Condensate Units

Open Drip Proof Motors Only, Single Phase 115/230V



Series WC: Cast Iron Receiver Condensate Unit
Series WCS: Steel Receiver Condensate Unit
Capacity Up to: 8,000 Sq. Ft. EDR
Discharge Pressure: 21 psig
Delivery: 12 gpm
Motor Horsepower: 1/3
Receiver Capacity: 9 Gallons
Approx. Shipping Weight: WC 160 lbs.; WCS 108 lbs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65539	WC8-20B CAST IRON REC. CONDENSATE UNIT	
1	EA	65540	WCS8-20B STEEL REC. CONDENSATE UNIT	

LEGEND VALVE Radiator Valves



T-431YB



T-435



T-438

T-431YB (Yellow Brass): steam angle radiator valve with screwed bonnet, rising stem and composition disc.
T-435: steam radiator gate valve constructed of heavy duty bronze with screw-over bonnet, non-rising stem, solid wedge disc, and integral seats.
T-438: Union elbow constructed of heavy duty bronze with male union.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
48	EA	65447	T-431YB 3/4IN STEAM ANGLE RADIATOR VALVE	
1	EA	65533	T-431YB 1IN STEAM ANGLE RADIATOR VALVE	
1	EA	65534	T-431YB 1-1/4IN STEAM ANGLE RADIATOR VALVE	
36	EA	65449	T-435 1IN STEAM RADIATOR VALVE	
1	EA	65536	T-438 1IN UNION ELBOW	
1	EA	65535	110-164NL T-438 3/4IN UNION ELBOW	

LEGEND VALVE Hot Water Angle Valves



The T-437 hot water angle valves are constructed of heavy duty bronze. They have a screwed bonnet, rising stem and bronze disc. Each valve is tested twice: air under water, in the open and closed position.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	63897	T-437 I.P.S. 1IN HOT WATER ANGLE VALVE	
7	EA	63895	T-437 I.P.S. 3/4IN HOT WATER ANGLE VALVE	
7	EA	63890	T-437 I.P.S. 1/2IN HOT WATER ANGLE VALVE	

LEGEND VALVE Cast Iron Strainer



- 250 WSP, 500 WOG threaded ends.
- 304 stainless steel 20 mesh screen.
- Closure plug furnished.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65448	T-17 3/4IN CAST IRON STRAINER	

LEGEND VALVE Boiler Drain



R-670



T-521

R-670 Ecoturn Boiler Drain
- 1/4" turn ball type valve

T-521 No Lead Boiler Drains
- Meets ANSI/NSF 61-8
- 125 WOG MIPX hose
- 1/2" has combination 1/2" MIP and 1/2" solder inlet connection

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65255	R-670 1/2IN ECOTURN BRASS MALE BOILER DRAIN	
1	EA	65256	R-670 3/4IN ECOTURN BRASS MALE BOILER DRAIN	
1	EA	52708	107-143NL 1/2IN T-521 BOILER DRAIN	
1	EA	52709	107-144NL 3/4IN T-521 BOILER DRAIN	

WATTS® REGULATOR Steam Specialties Thermostatic Trap

Low Pressure up to 15 P.S.I.



WFT-15 is designed to provide continuous air venting and separate condensate draining with maximum efficiency and service. Maximum allowable pressure 250 psi @ 406° F. Stainless steel internal components.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65452	WFT-15 37100 3/4IN FLOAT & THERMOSTATIC STEAM TRAP	

WATTS® REGULATOR Low Pressure Thermostatic Traps

Pressures up to 25 PSI



This low pressure trap has cast brass body and cover. All working parts of non-corrosive metals. Single thermostatic element with flat valve assures maximum valve opening with minimum disc travel. Eliminates disc fatigue, erosion, wire drawing, or excessive wear of seat. Large seat opening prevents clogging.

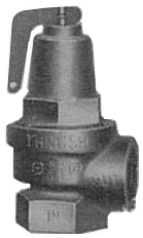
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65553	1 GAP 36040 1/2IN ANGLE THERMOSTATIC RADIATOR STEAM TRAP	
1	EA	65557	3 GHAP 36046 3/4IN ANGLE THERMOSTATIC RADIATOR STEAM TRAP	

WATTS REGULATOR Pressure Relief and Safety Valves



335 ASME Water Pressure Relief Valve

- Compact pressure relief valve for smaller hot water boilers
- Bronze body
- Female inlet and outlet connections
- Capacity: 510,000 Btu/Hr at 30 psi



174 and 374 ASME Water Pressure Relief Valves

For pressure protection of hot water heating boilers. Designed for emergency safety relief. Not to be used as an operating control.

174

- Bronze body
- Female inlet and outlet connections
- Capacity: 650,000 Btu/Hr at 30 psi

374

- Iron body
- Forged bronze female inlet
- Capacity: 550,000 Btu/Hr at 30 psi



315 and 415 ASME Steam Safety Valves

Provide protection for any low pressure steam heating equipment operating up to 15 psi.

315

- Bronze body
- NPT threaded male inlet and threaded female outlet (drain) connections
- Capacity: 375 Lbs/Hr at 15 psi

415

- Brass body
- NPT threaded male inlet and threaded female outlet (drain) connections
- Capacity: 450 Lbs/Hr at 15 psi

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	EA	65736	335-M1 335M2-030 3/4IN 30 PSI 0342670 PRESSURE RELIEF VALVE		
25	EA	65591	174A 0274683 3/4IN 100PSI WATER PRESSURE RELIEF VALVE		
25	EA	65590	374A 358553 3/4IN 30PSI WATER PRESSURE RELIEF VALVE		
25	EA	65595	315-M1 0342629 3/4IN X 3/4IN 15PSI STEAM SAFETY VALVE		
25	EA	65596	415-M1 346045 3/4IN X 3/4IN 15PSI STEAM SAFETY VALVE		

WATTS REGULATOR 100XL P&T Relief Valves

210° Temperature Relief



To comply with FHA, AGA, and ASA requirements any water heater input in excess of 15,000 BTU must use a 3/4" relief valve.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
50	EA	65702	100XL 66090 3/4IN 125PSI TEMPERATURE & PRESSURE RELIEF VALVE		
50	EA	65711	100XL 66100 3/4IN 150PSI TEMPERATURE & PRESSURE RELIEF VALVE		

state WATER HEATERS P & T Relief Valve

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62855	100108279 5/8" T&P RELIEF VALVE 9000071015	

Gauge Glass and Cutter for Steam Boilers



H1-18 Gauge



GGW-6812



Gauge Glass Cutter

The 997 Gauge Glass Cutter cuts up to 3/4" O.D. glass and also cuts oil burner insulators.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65624	510-218-145 GAUGE COCK	
1	EA	65626	997 GAUGE GLASS CUTTER	
100	EA	65622	GGW-6812 GASKET	
6	EA	65625	H1-18 5/8 X 18 STANDARD GAUGE GLASS	

Air Eliminator



Taco Hy-Vents have high capacity float style vents that can be placed either on the boiler or at the high points throughout the system. With operating pressure ratings of up to 250 psi, the brass body, nickel plated vents meet the requirements of even the largest systems. The vents are easily serviced by simply unscrewing the vent cap.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66761	426-3 (2) 1/4IN HY-VENT AIR ELIMINATOR	

Air Eliminating Devices

For Hotwater and Steam



1P



9P



10P



10-4P



11P



14A



31P



90-1

Valve Specifications

Tunstall No.	Dole No.	For Use With	Hot Water or Steam	Connection	Max Operating Pressure (psi)
1P	1A	Free Standing Radiators	Steam	1/8" Adjustable	3
9P	9	Radiators	Hot Water	1/8" Male	150
10P	10	Radiators	Hot Water	1/8" Male	150
11P	1933	Free Standing Radiators	Steam	1/8" Male	6
14A	14A	As Needed. Includes 20" x 3/16" Tubing	Hot Water	1/8" Male	150
31P	1933	Convectors & Risers	Steam	1/8" Male	6
75	3C	Main Vents	Steam	3/4" Male x 1/2" Female	5
90-1	—	Main Vents	—	3/4" Male x 1/2" Female	—

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	65499	1P 1/8 IN ANGLE TUNSTALL VALVE		
24	EA	65513	9P TUNSTALL COIN VALVE		
24	EA	65510	10P TUNSTALL KEY VALVE		
48	EA	65509	10-4P TUNSTALL KEY ONLY		
12	EA	65506	11P 1/8 IN ANGLE TUNSTALL VALVE		
12	EA	65512	14A 1/8"M TUNSTALL COIN AIR VALVE ASSY		
24	EA	65507	31P 1/8 IN STR TUNSTALL VALVE		
1	EA	65500	75P TUNSTALL AUTOMATIC VENT W/O FLOAT		
12	EA	65501	90-1 3/4 M X 1/2 F STRAIGHT AIR VALVE		

CALEFFI Hydronic Solutions Air Separators and Air Vents



551 Discal® Air Separators

- Brass body
- Stainless steel float guide pin and linkage
- Glass reinforced nylon internal element
- 1/2" NPT female bottom thread
- Air Separation Efficiency: Up to 100%
- Max. Working Pressure: 150 psi
- Working Temp. Range: 32–250° F



5026 Air Vent

- Automatic air vent
- Brass body
- Max. Working Pressure: 150 psi
- Max. Discharge Pressure: 90 psi
- Max. Discharge Rate: 1.75 SCFM
- Max. Working Temperature: 240° F

551 Discal Air Separators

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95290	551006A 1" NPT DISCAL AIR SEPARATOR	
1	EA	95291	551007A 1-1/4" NPT DISCAL AIR SEPARATOR	
1	EA	95292	551008A 1-1/2" NPT DISCAL AIR SEPARATOR	
1	EA	95321	551028A 1" SWT DISCAL 1" SWT	
1	EA	95322	551035A 1.25" SWT DISCAL 1.25" SWT	
1	EA	95323	551041A 1.5" SWT DISCAL 1.5" SWT	
1	EA	95324	551054A 2" SWT DISCAL 2" SWT	

5026 Air Vent

1	EA	95289	502610A 1/8" NPT MALE AUTOMATIC AIR VENT	

CALEFFI Hydronic Solutions DIRTMAG® Dirt Separators



The DIRTMAG® magnetic dirt separator continuously removes both magnetic and non-magnetic particles. It features a powerful, removable external magnet around the body—below the flow line—for fast and effective capture of ferrous particles.

- Brass body
- 1/2" NPT top thread with plug
- Max. Working Pressure: 150 psi
- Working Temperature Range: 32–250° F
- Particle separation capacity: 5 µm (0.3mil)
- Ferrous Impurities Separation Efficiency: 100%

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95325	546328A 1" SWT DIRTMAG 1" SWT	
1	EA	95327	546341A 1.5" SWT DIRTMAG 1.5" SWT	
1	EA	95328	546354A 2" SWT DIRTMAG 2" SWT	

Honeywell Braukmann EA122A Air Vent



For use with hot water systems. Purges air trapped in closed systems. This vent is easy to service and clean with removable float valve assembly and built-in brass shut-off valve.

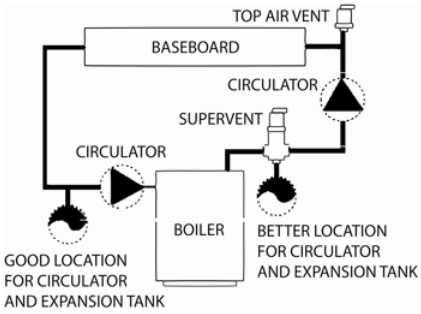
Maximum Temperature: 212° F.
Maximum Pressure: 90 PSI.
Air Capacity: 117 cfh at 30 PSI.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	74975	EA122A1002 1/8 INCH AIR VENT	

Honeywell Honeywell Supervent

Hydronic Air Elimination Products





The unique design of the Honeywell PV Series SuperVent breaks apart air bubbles, absorbs stagnant air pockets and eliminates troublesome air from hydronic heating systems. This results in the elimination of annoying gurgling and sometimes costly maintenance. Its rigged design stands up to tough conditions and continuous service, providing you with leak-proof operation, reduced service intervals and the elimination of callbacks.

- Adjustable Vent Top Collar Ring allows easier installation and application flexibility.
- High Temperature Thermoplastic Float controls venting rate under continuous operation.
- Bronze Body durable construction with no ferrous materials.
- No-Clog Vent for peace of mind, no leaking or callbacks.
- Debris Baffle to control dirt fouling and prevent failure.
- Encapsulated O-Ring for leak-proof cap seal.
- Stainless Steel Concentrator-a patented and more efficient way to eliminate air. (US Patent No. 5,490,874)
- Brass Bottom Plug for expansion tank mounting, ease of installation and maintenance.

Cv	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
13	1	EA	66509	PV075S/U 3/4" HORIZ SUPERVENT SWEAT	
22	1	EA	66510	PV100S/U 1" HORIZ SUPERVENT SWEAT	
38	1	EA	66511	PV125S/U 1-1/4" HORIZ SUPERVENT SWEAT	
53	1	EA	66512	PV150/U 1-1/2" HORIZ SUPERVENT NPT	
3.6	1	EA	66513	PVU075/U 3/4" VERT SUPERVENT	
6.2	1	EA	66514	PVU100/U 1" VERT SUPERVENT	
95	1	EA	66515	PV200/U 2" HORIZ SUPERVENT	
	1	EA	66517	PV-020RP/U SUPERVENT REPLACEMENT VENT ASSEMBLY	

SPIROTHERM Air Elimination Devices



VJR VJS VDR

Air Elimination Junior Series, Brass, Horizontal Design

Female Threads with 1/2" Tank Mount

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89560	VJR 075 TM 3/4" FPT BRASS SPIROVENT JR AIR ELIMINATOR	
1	EA	89561	VJR 100 TM 1" FPT BRASS SPIROVENT JR AIR ELIMINATOR	
1	EA	89562	VJR 125 TM 1-1/4" FPT BRASS SPIROVENT JR AIR ELIMINATOR	
1	EA	89563	VJR 150 TM 1-1/2" FPT BRASS SPIROVENT JR AIR ELIMINATOR	
1	EA	89564	VJR 200 TM 2" FPT BRASS SPIROVENT JR AIR ELIMINATOR	

Sweat Connections with 1/2" Tank Mount

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89565	VJS 075 TM 3/4" SWEAT BRASS SPIROVENT JR AIR ELIMINATOR	
1	EA	89566	VJS 100 TM 1" SWEAT BRASS SPIROVENT JR AIR ELIMINATOR	
1	EA	89567	VJS 125 TM 1-1/4" SWEAT BRASS SPIROVENT JR AIR ELIMINATOR	
1	EA	89568	VJS 150 TM 1-1/2" SWEAT BRASS SPIROVENT JR AIR ELIMINATOR	
1	EA	89569	VJS 200 TM 2" SWEAT BRASS SPIROVENT JR AIR ELIMINATOR	

Air Elimination & Dirt Separation Junior Series, Brass

Sweat Connections

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89570	VDR 100 SW 1" SWEAT BRASS SPIROVENT AIR & DIRT SEPARATOR	
1	EA	89571	VDR 125 SW 1-1/4" SWEAT BRASS SPIROVENT AIR & DIRT SEPARATOR	
1	EA	89572	VDR 150 SW 1-1/2" SWEAT BRASS SPIROVENT AIR & DIRT SEPARATOR	

Female Threads

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89573	VDR 200 FT 2" FPT BRASS SPIROVENT AIR & DIRT SEPARATOR	

Taco Low Water Cutoffs



The LF foam series uses DualVision™ technology to identify when its probe is in foam and the boiler water is at an unsafe level. This series cannot be fooled by conductive foam on its probe and does not require periodic shutdown of the boiler to determine actual water levels in foaming boilers.
LFA: Automatically reset when water levels return to safe levels.
LFM: Manual reset.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64573	LFM0243S-1 24VAC MANUAL RESET 3/4IN NPT PROBE W/TEST BUTTON	
1	EA	64409	LFA1203S-1 3/4IN NPT 120 VAC PROBE FOAM COMPENSATING LOW WATER CUT OFF	
1	EA	62634	LFA02435-1 3/4IN NPT 24VAC PROBE COMPENSATING LOW WATER CUT OFF	

Low Water Cut-Offs


Series 63


Series 67


Series751P


Series 150S


Series


Series RB-24E


Series RB-122-E

Mechanical Low Water Cut-offs

Series 63 Steam & Hot Water Boilers

- Residential, commercial, and industrial applications
- Heavy duty
- Includes No. 2 switch.
- Maximum boiler pressure: 50 psi

Series 67 for Steam Boilers

- Residential and commercial applications
- Boilers of any steaming capacity
- Lever-operated, full port ball valve for easy blow down
- Dual precision switches for dependable operation
- Maximum steam pressure: 20 psi

Series 150S for Steam Boilers

- Commercial/industrial low/high pressure applications
- Boliers of any steaming capacity
- Snap action switches for high temperature service
- Maximum pressure: 150 psi

Electronic Low Water Cut-offs

Series 751P for Steam & Hot Water Boilers [1,2]

- Commercial or industrial applications
- Primary or secondary control on hot water boilers
- Secondary control on steam boilers
- Probe sensitivity: 20,000 ohms

Series PSE-800 for Steam Boilers [1, 2]

- Commercial applications
- Monitors water conductivity and shuts-off burner when set parameters are exceeded.
- Probe sensitivity: 7,000 ohms

Series RB-24E [1, 2]

- Residential applications
- Universal wiring harness fits 100% of today's gas boilers
- Probe sensitivity: 15,000 ohms

Series RB-122-E for Hot Water Boilers [1, 2]

- Residential and commercial applications
- Probe sensitivity: 20,000 ohms

1 Maximum water pressure: 160 psi

2 Maximum water temperature: 250° F

Low Water Cut-Offs

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65488	63 LOW WATER CUT-OFF FLOAT TYPE FOR STEAM AND HOT WATER BOILERS	
1	EA	65480	67 LOW WATER CUT-OFF FLOAT TYPE FOR STEAM BOILERS	
1	EA	65814	150S LOW WATER CUT-OFF FLOAT TYPE FOR STEAM BOILERS	
1	EA	65986	80160718 751P-MT-120 LOW WATER CUT-OFF F/HOT WATER	
1	EA	65980	104206-1 PS-802-24V (80160720) LOW WATER CUT-OFF F/STEAM	
1	EA	65465	153927 PSE-802-24 24V LOW WATER CUT OFF	
1	EA	65324	RB-24E 3/4 IN PROBE CONTROL LOW WATER CUT OFF	
1	EA	65628	RB-122-E 3/4IN ELECTRONIC LOW WATER CUT OFF FOR HOT WATER BOILERS	

Parts

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Series 67	1	EA	65477	14-B BLOW DOWN VALVE	
Series 150S	1	EA	65815	150S-HD HEAD MECHANISM	
Series 67	1	EA	65495	6667 MECH MCD-M HEAD MECHANISM	
Universal	1	EA	65491	FS4-3 LIQ FLOW SWITCH	
Series 150S	1	EA	65493	SA150-124 MCD-M SWITCH	
Series 150S	1	EA	65494	SA150-125 MCD-M SWITCH	

CALEFFI Hydronic Solutions 553/573 Series AutoFill™ Fast-Filling Valves

Pre-adjustable, Automatic



553



Features

- Valve fast fills the system to set pressure then automatically shuts-off water feed
- Manual shut-off valve, strainer, check valve
- Visual system pressure indicator
- Brass body with anti-scale polymer material on internal sliding surfaces
- Max. Working Temperature: 150° F
- Setting Pressure Range: 3–60 psi
- Preset Outlet Pressure: 15 psi
- Pressure Gauge Scale: 0–60 psi/0–4 bar

553 AutoFill Valves

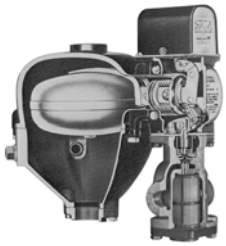
- Max. Inlet Pressure: 230 psi

573 AutoFill/Backflow Preventer Combo

- Max. Inlet Pressure: 175 psi
- ASSE 1012

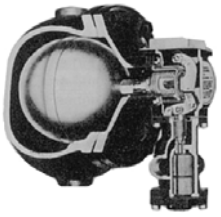
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95293	553542A 1/2" NPT INLET AUTOFILL BOILER FEED VALVE	
1	EA	95294	553549A 1/2" SWT INLET AUTOFILL SYS. FILLING VALVE	
1	EA	95295	573009A 1/2" SWT/NPT 1/2" SWT BFP/AUTOFILL 1/2" NPT	

McDonnell & Miller a xylem brand Feeder Cut-Off



47-2

For closed steam heating system boilers with up to 5,000 sq. ft. capacity and a maximum steam pressure of 25 lbs. Has time saving quick hook-up fittings for installation in gauge glass tapplings, and self-closing blow-off valve.



51-2

Larger feeding capacity than the No. 47-2, for steam boilers above 5,000 sq. ft. capacity, and for hot water boilers. Maximum boiler pressure 35 PSI.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65482	47-2 FEEDER CUTOFF	
1	EA	65485	51-2 FEEDER-CUTOFF	

Hook-up Fitting

1	EA	65496	MA259 MCD-M HOOK-UP FITTING	

McDonnell & Miller a xylem brand Electric Water Feeders



101A

- Packless construction, straight thrust action, and built-in strainer.
- Closes drip tight against supply pressures up to 150 psi.

101A-24

- For gas-fired boilers with low voltage.



WF2

- For low pressure steam boilers with cold water feed.
- Universal design simplifies selection and reduces stock.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65483	101A-120 120V ELECTRIC WATER FEEDER	
1	EA	65484	101A-24V 24V ELECTRIC WATER FEEDER	
1	EA	65487	WFE24 24V ELECTRIC WATER FEEDER	

Honeywell L404F Pressuretrol Controllers



Provide operating control, automatic, or manual reset limit protection for pressure systems up to 300 psi (2068 kPa). May be used with stream, air, noncombustible gases, or fluids noncorrosive to pressure sensing element. Mercury switch. Siphon loop included.

Pressure Sensing Element:Stainless steel diaphragm.
Maximum Ambient Temperature: 150° F.
Mounting Means: 1/4" NPT female threads or surface mounted through back of case.
U.L. Listed.
Industrial Risk Insurers (formerly FIA) acceptable.

Dimensions			
	Height (In.)	Width (In.)	Depth (In.)
L404F 1094	5-3/4	4-1/2	2-3/4
L404F 1102	3-7/8	4-1/2	3-1/4

Electrical Ratings (Amperes)				
	120 Vac	240 Vac	120 Vdc	240 Vdc
Full Load	8.0	5.1	2.0	1.0
Locked Rotor	48.0	30.6	20.0	10.0
Resistive	10.0	5.0	8.0	4.0

Model No.	Operating Range		Subtractive Differential **		Surge Pressure		Switch Type	Action on Pressure Rise
	psi	kPa	psi	kPa	psi	kPa		
L404F 1094*	20 to 300	138 to 2068	20 to 50	138 to 345	350	2413	SPDT	R-@ Makes
L404F 1102	10 to 150	69 to 1034	10 to 22	60 to 152	225	1551	SPDT	R-B Breaks

* Brass bellows. ** Differential at midscale.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	70552	L404F1102/U PRESSURETROL	
10	EA	70555	L404F1094/U PRESSURETROL	

Honeywell L4006A Aquastat Controller



Immersion type controllers for limiting or regulating the temperatures of liquids in boilers, storage tanks, and other applications where temperature control is required.

Totally enclosed Micro Switch™ snap-acting switch operates on temperature rise to set point.

- Bulb: 3/8" x 2-7/8" copper
- Case Dimensions: 5-5/8" H x 2" W x 2-1/8" D
- U.L. listed
- AGA Certified

Electrical Ratings

Millivolt: 0.25 A @ 0.25 to 12 Vdc
Full Load: 5.1 A @ 240 Vac
Locked Rotor:
48 A @ 120 Vac
30.6 A @ 240 Vac

Model No.	Application	Switch Action	Range °F	Midscale Differential °F	Mounting	Includes
L4006A 1678	High or Low Limit	Contacts break on temperature rise	100 to 240	5 to 30 Adjustable	Horizontal or Vertical	3" insulation, Stop factory-set at 240° F.
L4006E 1117	High Limit			Manual Reset		3/4" well (123870A)
L4006H 1004	High Limit			Manual Reset	Horizontal or Vertical Strap-on	Bracket for strap-on mounting. Heat-conductive factory-set at 240° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	70565	L4006A1678/U AQUASTAT	
12	EA	70566	L4006E1117/U AQUASTAT	
12	EA	70564	L4006H1004/U AQUASTAT	

Honeywell L4008E Aquastat Controller



Hydronic controller for limiting or regulating temperatures of liquids in boilers or tanks for circulator and low limit applications. Can also sense duct or outside air temperature. Sensing element actuates enclosed Micro Switch snap-acting switch. Horizontal or vertical mounting of the remote element into boiler, tank, or other container. Case mounts to a vertical surface.

Approximate Case Dimensions:
5-5/8" H x 2" W x 2-1/8" D.
Bulb: Copper, 3/8" x 2-7/8".
Capillary Length:
L6008A1093, L6008A1192 66".
Midscale Differential: 5° to 30° F, adjustable.
Switch Action: SPDT.
U.L. Listed

Electrical Ratings		
	120 VAC	**240 VAC**
Full Load	8	5.1
Locked Rotor	48	30.6
Millivoltage	.25 at 1/4 to 12 Vdc	—

Temp. Range ° F	Max. Amb. Temp. at Element ° F	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
130 to 270	150	1	EA	70568	L4008E1156/U AQUASTAT	

Honeywell L6006A, C Aquastat Controllers



Immersion type controllers for limiting or regulating temperatures of liquids in boilers or tanks. Sensing element actuates enclosed microswitch snap-acting switch. Tradeline models include well adapter and tube of heat-conductive compound. Horizontal or vertical insertion of sensing element.
Bulb: Copper, 3/8" x 2-7/8".

Operating Temperature Range: 50 to 125° F.
Midscale Differential: 5 to 30° F, adjustable.
Approximate Dimensions:
5-5/8" H x 2" W x 2-1/8" D.
Switch Action: SPDT.
Application: Circulator control and high limit or low limit.
U.L. Component Recognized.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	70700	L6006A1145/U AQUASTAT	
12	EA	70702	L6006C1018/U AQUASTAT STRAP-ON	

Honeywell L6008A Aquastat Controllers



Hydronic controller for limiting or regulating temperatures of liquids in boilers or tanks for circulator and low limit applications. Can also sense duct or outside air temperature. Sensing element actuates enclosed Micro Switch snap-acting switch. Horizontal or vertical mounting of the remote element into boiler, tank, or other container. Case mounts to a vertical surface.

Approximate Case Dimensions:
5-5/8" H x 2" W x 2-1/8" D.
Bulb: Copper, 3/8" x 2-7/8".
Capillary Length:
L6008A1093, L6008A1192 66".
Midscale Differential: 5° to 30° F, adjustable.
Switch Action: SPDT.
U.L. Listed

Model No.	Temperature Range (F)	Max. Ambient Temperature at Element (F)
L6008A 1192	100 to 240	265

Electrical Ratings		
	120 Vac	240 Vac
Full Load	8.0	5.1
Locked Rotor	48.0	30.6
Millivoltage	.25 at ¼ to 12 Vdc	

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	70707	L6008A1192/U AQUASTAT	

Honeywell L6081A Multiple Aquastat Controller



This circulator, low limit, and high limit controller is used to regulate boiler water temperature in gas or oil fired hydronic heating systems. The immersion type liquid-filled sensing element actuates 2 snap switches.

Bulb: Copper, 3/8" x 2-7/8".
Insertion Length: 3-1/2".
Insulation Depth: 3".
Maximum Ambient Temperature: 150° F at switches, 265° F at sensing element.
Approximate Case Dimensions:
3-7/8" H x 4-1/8" W x 2-3/4" D.
U.L. Listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70755	L6081A 1010 AQUASTAT	

Honeywell L8124G Triple Aquastat Relay



This immersion type hydronic control combines high limit protection with low limit and circulator control. It is used in forced hydronic heating systems that include domestic hot water service. Requires a 24V thermostat with heat anticipator setting 0.2 amp.

Bulb: 3/8" x 2-7/8".
Insertion Length: 3-3/8".
Insulation Depth: 1-1/2" or 3".
Maximum Ambient Temperature: 150° F at switches, 265° F at sensing element.
Dimensions:
Horizontal Mount:
4-3/8" H x 6-1/8" W x 3-1/8" D
Vertical Mount:
6-1/8" H x 4-3/8" W x 3-1/8" D.
U.L. Listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70783	L8124G1020/U AQUA RELAY	

Honeywell L8148A, E, J Aquastat Relays



Vertical Mount



Horizontal Mount

Immersion type hydronic controls combine high limit protection with switching relay control of burner and circulator. High limit opens burner circuit only. Requires a 24 V thermostat.
Thermostat Anticipator Setting: 0.2 amp.
Switching Action: High limit and circulator
Burner Circuit Type: Low volt/Millivolt
Capillary Length: 4-1/2"
Operating Humidity Range: 0–95% RH (non-condensing

Insulation Depth: 1-1/2" to 3", less well
Max. Pressure on Immersion Well: 255 PSI.
Dimensions:
6-1/8" H x 4-5/16" W x 3-1/8" D (vertical)
4-5/16" H x 6-1/8" W x 3-1/8" D (horizontal)
Tradeline Models Include: Well adapter, heat-conductive compound, and range stops.
U.L. Listed.

Model No.	Fixed Diff. Temp. (° F)	Operating Temp. Range High Limit (° F)	Mounting	Electrical Ratings, Burner			
				Full Load		Locked Rotor	
				Low Voltage	Line Voltage	Line Voltage	Millivolt
L8148A1017*	8	140–240	Horizontal	0.8 A @ 24 Vac	7.4 A @ 120 Vac 3.7 A @ 240 Vac	44.4 A @ 120 Vac 22.7 A @ 240 Vac	0.25 A @ 1/4 to 12 Vdc
L8148E1265	15	180–240	Vertical	0.8 A @ 24 Vac 0.25 A @ 0.25 to 12 Vdc	7.4 A @ 120 Vac 3.7 A @ 240 Vac	44.4 A @ 120 Vac 22.7 A @ 240 Vac	0.25 A @ 1/4 to 12 Vdc
L8148E1299*	15	180–240	Vertical	0.8 A @ 24 Vac 0.25 A @ 0.25 to 12 Vdc	—	44.4 A @ 120 Vac 22.2 A @ 240 Vac	—
L8148J1009*	8	120–240	Horizontal or Vertical	0.8 A @ 24 Vac	—	—	0.25 A @ 1/4 to 12 Vdc

*Tradeline Models

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	70810	L8148A1017/U AQUA RELAY		
10	EA	70817	L8148E1265/U AQUA RELAY		
10	EA	70815	L8148E1299/U AQUA RELAY		
10	EA	70813	L8148J1009/U AQUA RELAY		

Honeywell R8182D Combination Controller

Protectorelay and Hydronic Heating



Immersion type aquastat controller and oil burner primary control provides high limit and low limit/circulator control for oil-fired hydronic heating systems. For intermittent ignition applications. Requires a C554A Cadmimum Sulfide Flame Detector and a 24V thermostat.

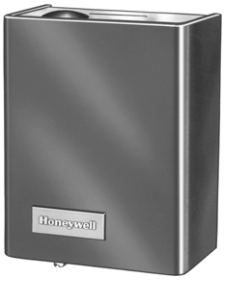
Model No.	Switching	Adj. Control Range (°F)	Differential (°F)
R8182D*	High Limit, SPST	130 to 240	10 Fixed
	Low Limit/ Circulator, SPDT	110 to 220	10 to 25 Adj.

*Auxilliary Zc and Zr terminals may be used to provide circulator zone control through an R845A Switching Relay

Maximum Ambient Temperature: 250° F at element.
Thermostat Anticipator Settings: 0.2 amp.
Approximate Dimensions: 7-1/8" H x 5-1/4" W x 3-7/16" D.
Voltage and Frequency: 120V, 60 Hz.
U.L. Listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	72503	R8182D1079/U PROTECTORELAY	

Honeywell RA89A, RA832A and R8845U Hydronic Switching Relays



Provide intermediate switching of a line voltage device from a low voltage controller. Integral transformer provides low voltage power for control circuit.
Approximate Dimensions: 5-1/4" H x 4-1/4" W x 2-5/16" D.
Maximum Input: 5.0 W.
Maximum Connected Load: 2000 VA
Maximum Ambient Temperature:
115° F for 60 Hz.; 105° F for 50 Hz.
U.L. Listed.

Model No.	Application	Voltage (50/60 Hz.)	Switch Action	Control Circuit	Coil Voltage	Relay Coil Current (A)
RA89A 1074	For switching one line voltage load.	120	SPST	2-wire	24	0.40
RA832A 1066	For switching two line voltage loads having a common power source.	120	DPST: one pole line voltage, the other low voltage or millivoltage.	2-wire	24	0.40
R8845U 1003	For switching line and low voltage devices from a line or low voltage controller	120	SPST	2 or 3-wire	24	0.40

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	72527	RA89A1074/U RELAY		
10	EA	72583	RA832A1066/U RELAY		
10	EA	72529	R8845U1003/U UNIVERSAL SWITCHING RELAY		

Honeywell T915 Proportional Temperature Controller



Proportional remote bulb controllers for ducts, tanks, boilers, pipes, and other heat exchangers.
- Provide proportioning control of three-wire, low-voltage valve or damper motors.
- Used to regulate temperatures of either air or liquids.
- All models ambient compensated.
- Temperature setting scale markings in both Fahrenheit and Celsius.
- Ambient temperature compensation provides good temperature control. Refer to T775 Electronic Remote Temperature Controller where more exact control is required and/or remote controller location is preferred.
- Steel case has a clear plastic cover to make setting readily visible.
- Surface mount using two screws through back of case.

Model No.	Bulb Size	Capillary Length	Maximum Operating Temperature (F)	Maximum Operating Temperature (C)	Setpoint Temperature Range (F)	Setpoint Temperature Range (C)	Volts: Sensor Element	Volts: Analog Output
T915C1936	1/2 in. dia., 4 in. long	20 ft.	230	110	80 to 210	27 to 99	Copper bulb, high temp. fill	One 135 OHM Potentiometer

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	73130	T915C1936/U TEMP CNTL	

Honeywell V8043A, E, and F Zone Valves



On-Off and diverting valves consist of an actuator motor and valve assembly for controlling the flow of hot or cold water, and some models for steam. Manual opener (on all except straight-through, normally open valves) for valve operation on power failure. Valve returns to automatic position when power is restored. Motor actuator may be replaced without removing the valve body or draining the system.

Maximum Fluid Temp.: 240° F.
Minimum Fluid Temp.: 40° F.
Maximum Ambient Temp.: 125° F.
Valve Body Pattern: Straight-through.
De-energized Position: Normally closed.
Control Circuit: 24 V, 50/60 Hz.
V8034A is U.L. Listed.
V8043F is U.L. Component Recognized.

Pipe Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/2 Sweat	10	EA	73852	V8043F1028/U 1/2 INCH ZONE VALVE	
3/4 Sweat	10	EA	73856	V8043A1029/U 3/4 INCH ZONE VALVE	
3/4 Sweat	10	EA	73850	V8043E1012/U 3/4 INCH ZONE VALVE	
3/4 Sweat	10	EA	73857	V8043F1036/U 3/4 INCH ZONE VALVE	
1 Sweat	10	EA	73858	V8043F1051/U 1 INCH ZONE VALVE	

NOTE: All items accept V8043A 1029 include end switch for sequencing auxilliary equipment. Items V8043F 1036 and V8043F 1051 include terminal board connector.

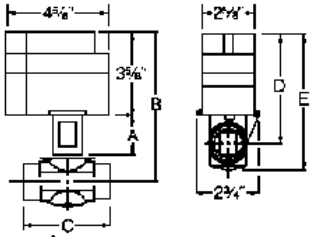
Motor

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74656	802360JA/U MOTOR	

White-Rodgers Hydronic Zone Controls



1311-102



Dimensions

Zone Valve Dimensions

Valve Size	Dimensions (Inches)				
	A	B	C	D	E
3/4"	1-3/4	6-1/2	2-7/8	4-11/16	5-5/8
1"	1-15/16	6-3/4	3-1/8	4-13/16	5-7/8

2-wire or 3-wire valves for zoning hydronic systems up to 50 PSI. Features quiet operation, valve stem made of stainless steel, and screw terminal wiring panel. Motor and gear train completely immersed in oil and sealed in metal case. Self-aligning barrel-type valve stem uses line pressure to seal off without binding on opening and closing. Automatic recycling manual operator shows valve position at all times.

Built-in auxilliary contacts to control burner or circulator relay. Motor can be removed from valve assembly without draining system.

Electrical Rating of Auxiliary Switch: 2.0A at 24 Vac

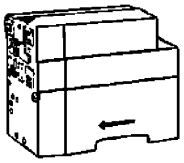
CAUTION: *Do not attempt to change valve assembly without draining boiler or while boiler water is hot. Failure to relieve water pressure or to wait until water cools could result in scalding injuries.*

Model No.	Tubing Size (I.D.)	24 Vac Thermostat Circuit Rating	Time Cycle	Maximum Differential Across Valve (PSI)	Max. Water Temp. (°F)	Max. System Pressure (PSI)	Friction Loss Equivalents	
							Cv Factor	Ft. of Tubing
3-Wire, 24V Valve with Screw Terminal Wiring Panel and Auxiliary Switch								
1311-102	/4"	0.4A*	Open 45 sec.	15	240	50	23.5	2-1/2
1311-103	1"	0.4A	Close 45 sec.	15	240	50	37.0	4
2-Wire, 24V Valves with Screw Terminal Wiring Panel and Auxiliary Switch								
1361-102	3/4"	0.2A**	Open 45 sec.	15	240	50	23.5	2-1/2
1361-103	1"	0.2A**	Close 60 sec.	15	240	50	37.0	3-1/2
1361-104	1-1/4"	0.2A**		15	240	50	42.2	6-1/2

* Valve current is 0.4A only during opening or closing. For proper anticipation select thermostat designed for use with a 3-wire zone valve. ** Valve current is 0.52A when opening but 0.2A when fully open; therefore set anticipator for 0.2A.

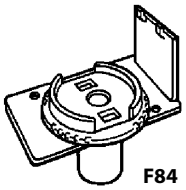
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75489	1311-103 1IN ZONE VALVE	
1	EA	75571	1311-102 3/4IN ZONE VALVE	
1	EA	75490	1361-102 3/4IN ZONE VALVE	
1	EA	75491	1361-103 1IN ZONE VALVE	
1	EA	75763	1361-104 1-1/4IN ZONE VALVE	

White-Rodgers F19 Motor and F84 Valve Assemblies



F19

Motor and valve assemblies must be replaced as a single unit.



F84

F19 Motor Assemblies

For Use With Valves	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1311-102, -103, -104, -132, -133 and 1315-103, -104	1	EA	75579	F19-0097 W/R ZONE VALVE MOTOR ASSY	
1361-102, -103, -104, -132, -133 and 1311-102, -103, -104	1	EA	75580	F19-0104 W/R ZONE VALVE MOTOR ASSY	

F84 Valve Stem Assemblies

1311-102, 1361-102 (3/4~B2)	1	EA	75583	F84-0433 3/4IN W/R VALVE ASSY	
1311-103, 1361-103 (1~B2)	1	EA	75584	F84-0434 1IN W/R VALVE ASSY	

White-Rodgers Aquastats



Surface mount type aquastat attaches directly to (strap on) the surface of pipe. For use as high limit, reverse acting, or SPDT switching action control. Mounts in any position. Includes pipe strap and mounting screws.

Model No.	Type	Range F	Diff. F	Switch Action	Full Elec. Rating	Motor Rating (Full Load)		Valves & Relays 24 Vac
						120 Vac	240 Vac	
1127-2	Surface Mount	100 to 240	Fixed, 10	Spdt	HH	7.4A	3.7A	2.9A

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75531	1127-2 AQUASTAT	

SPARCO Aquamix Valves



AM Series Aquamix accurately adjusts, maintains, and limits the hot water temperature to a desired setting selected by the user. AM-R for heating only.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68516	AM101R-US-1/U 3/4" SWEAT AQUAMIX VALVE	
1	EA	68517	AM102R-US-1/U 1" SWEAT AQUAMIX VALVE	

tekmar® Control Systems Controls

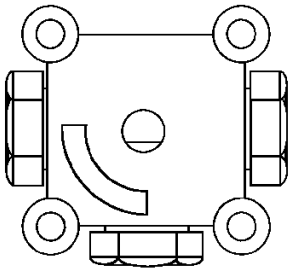
Boiler/DHW Controls

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76162	TYPE 256 ONE STAGE BOILER CTL W/ OUTDOOR RESET	
1	EA	76161	TYPE 260 ONE STAGE BOILER & DWH CONTROL	
1	EA	76166	TYPE 274 (264) FOUR STAGE BOILER CTL	

Miscellaneous Controls

1	EA	76174	TYPE 071 UNIVERSAL SENSOR	

ESBE Valve and Control



3-way Valve

3-way Type MG

The ESBE MG valves can be used for mixing and diverting applications and are suitable for automatic control using an On/Off or modulating actuator.

Maximum Static Pressure: 250 PSI (10 bars).
Maximum Temperature: 230° F.
Maximum Diff. Pressure Drop: 25 PSI (2 bars).
Torque Maximum: 10 in./lbs.

TC62D Reset Controller

This compact outdoor reset controller is built into a VM62 valve actuator. To be used with ESBE 3-way and 4-way valves from 1/2" through 1-1/2".

Built-in maximum supply water temperature limit. Supply water and outdoor temperature sensors are included. Optional room temperature input and night setback features available.

Three-way Threaded Mixing or Diverting Valves

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68381	3MG25-12 1"NPT 14CV 3-WAY VALVE	

Controls and Accessories

1	EA	68392	TC62D RESET CONTROLLER	

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Point-of-Use Electric Water Heater



The point-of-use electric water heaters are designed for low-demand point-of-use applications, such as office lavatories or any building with remote restrooms. It has a 2-1/2 gallon tank capacity, with a single heating element. Includes 110/120V cord set with 3-prong plug and integrated wall-mounting brackets for easy installation.

- All Select Specialty Electric Heaters have certified and rated T&P relief valves and foam insulation to protect against radiant heat loss.
- 6-year limited tank and parts warranty.

Model Number	Gallon Capacity	Element Wattage	Recovery 90° Rise	Dimensions H x W x D (In)	Shipping Weight (Lbs)
ES6 2 SSUS	2.5	1500 @ 120V	7	13-3/4 x 11 x 13-3/4	18

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	62874	ES6-2-SSUSK 2.5 GALLON STATE ELECT HTR 120V 1500W			

Tankless Gas Water Heaters

Non-Condensing



Features

- Energy Star qualified
- Category III stainless steel venting
- Remote included (110, 310, and 510 models)
- Indoor type includes power cord
- Low NOx emissions
- Suitable for commercial application (510)
- Easy-link up to 4 units (510 only)
- 510 models feature commercial grade (25% thicker) copper heat exchanger (non-ASME models)
- Power vent design

Warranties

- 12-year limited warranty on heat exchanger in residential applications.
- 5-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts

Model No.	Gas Consumption Unit		Inlet Gas Pressure		Energy Factor	Max GPM	Hot/Cold and Gas Conn.	Dimensions (In)			Approx. Ship Weight (Lbs)
	Min. Btu/h	Max. Btu/h	Min. W.C.	Max. W.C.				Height	Width	Depth	
GTS-110-NI	19,500	140,000	5.0	10.5	0.82	6.6	3/4" NPT	20.5	13.8	6.7	38
GTS-310-NI	11,000	190,000	8.0	14.0	0.82	8.0	3/4" NPT	20.5	13.8	8.5	43
GTS-510-NI	11,000	199,000	5.0	10.5	0.82	10.0	3/4" NPT	20.5	13.8	8.5	45

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	86804	GTS-110-NI 19,500-140,000 BTU NAT TANKLESS HEATER INDOOR			
1	EA	86805	GTS-310-NI 11,000-190,000 BTU NAT TANKLESS HEATER INDOOR			
1	EA	86807	GTS-510-NI 11,000-199,000 BTU NAT TANKLESS HEATER INDOOR			
1	EA	86808	GTS-510-PI 11,000-199,000 BTU LP TANKLESS HEATER INDOOR			
1	EA	86809	GTS-520-NIH 13,000-199,000 BTU NAT TANKLESS HEATER INDOOR			

NORITZ ALWAYS HOT Accessories for Tankless Water Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	83401	CDT-V CONCENTRIC VERTICAL DRAIN TEE	
1	EA	83425	CRFA-40 CONCENTRIC ROOF FLASHING ADJ	
1	EA	83415	CVK-H CONCENTRIC VENT KIT-STANDARD	
1	EA	83427	CVK-V-CA CONC. VENT KIT VERT-ANGLED	
1	EA	83428	CVK-V-CF CONC. VENT KIT VERT-FLAT ROOF	
6	EA	83420	CVP-11ADJ CONCENTRIC ADJ VENT PIPE 11"	
6	EA	83402	CVP-12STR CONCENTRIC VENT PIPE 12"	
6	EA	83421	CVP-16ADJ CONCENTRIC ADJ VENT PIPE 16"	
6	EA	83418	CVP-24STR CONCENTRIC VENT PIPE 24"	
6	EA	83419	CVP-36STR CONCENTRIC VENT PIPE 36"	
6	EA	83422	CVP-40ADJ CONCENTRIC ADJ VENT PIPE 40"	
6	EA	83423	CVP-45ELB CONCENTRIC 45 DEGREE ELBOW	
6	EA	83404	CVP-90ADJELB CONC. 90 DEGREE ADJ ELBOW	
6	EA	83424	CVP-90ELB CONCENTRIC 90 DEGREE ELBOW	
6	EA	83430	CVT-S CONCENTRIC STRAIGHT BIRDSCREEN	
6	EA	83405	CVT-S2 CONC. STR BIRDSCRN-THICK WALL	
1	EA	83403	FP-5-OUT CONCENTRIC VENT OUTER PLATE	
1	EA	83432	VK3-H-PVC 3" PVC CONCENTRIC TERMINATION	
6	EA	83434	VP4-ADAPT-PVC ADAPTER FOR 4" PVC	
6	EA	83412	VP4X3-ADAPT-PVC ADAPTER FOR 3" PVC PIPE	
6	EA	83433	VT3-PVCS 3" BIRDSCREEN TERMINATION	

Honeywell Accessories for Noritz Tankless Water Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	74232	F76S 1031 WATER FILTER 1 1/4 INCH SWEAT & THREADED MNPT	
1	EA	74233	MV876B 1018 MOTORIZED BACKWASH FOR ALL F76S	

Tankless Gas Water Heaters

Condensing, High-Efficiency



Features

- Ultra-Low NOx condensing technology provides significant energy cost savings with a 0.95 Energy Factor
- Energy Star qualified
- Durable HRS35 commercial-grade copper primary heat exchanger
- Type 316L stainless steel secondary heat exchanger
- Electronic ignition- no pilot light
- Indoor model has built-in temperature controller and diagnostics
- Easy-Link* up to 4 units with no additional parts or accessories needed (540 model)
- Multi-link† up to 20 units (540 models only)
- Suitable for commercial application (540 models)
- Factory-installed power cord included with indoor models
- Complies with lead free standards
- Internal freeze protection system
- Power direct vent design provides flexible venting with PVC, CPVC, or ABS intake and exhaust (solid core only)

Warranties

- 12-year limited warranty on heat exchanger in residential applications.
- 5-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts

* Easy-Link system allows up to 4 units to be manifolded together without a system controller. The controls are built into each unit's internal computer. The Easy-Link system ensures proper modulation, using only the amount of energy required.

† For larger applications the 540H series models can be manifolded together. The Multi-Unit system controller is necessary to enable the Multi-User system.

Model No.	Gas Consumption Input		Inlet Gas Pressure (in. W.C.)		Energy Factor	Max GPM	Hot/Cold and Gas Conn.	Dimensions (In)			Approx. Ship Weight (Lbs)
	Min. Btu/h	Max. Btu/h	Min.	Max.				Height	Width	Depth	
GTS-340-NIH	15,000	180,000	5.0	10.5	0.95	8.0	3/4" NPT	22-1/2	17-3/4	10-3/4	62
GTS-540-NIH	15,000	199,000	5.0	10.5	0.95	10.0	3/4" NPT	22-1/2	17-3/4	10-3/4	63

Water Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	86821	GTS-540-NIH 13,000-199,000 BTU NAT TANKLESS HEATER INDOOR			
1	EA	86822	GTS-340-NIH 13,000-180,000 BTU NAT TANKLESS HEATER INDOOR			

Valve Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62382	100112156 ISOLATION VALVE KIT PB FREE 9007604005	

Tankless Gas Water Heaters

Condensing Tankless with Integrated Recirculation Pump Features



Features

- Ultra-Low NOx condensing technology
- provides significant energy cost savings with a 0.95 Energy Factor
- Easy-Link* the 540P with up to three 540H units to increase flow capacity.
- Energy Star qualified
- Durable HRS35 commercial-grade copper primary heat exchanger
- Type 316L stainless steel secondary heat exchanger
- Includes integrated temperature and pump controls with advanced diagnostics.
- Air-Fuel Ratios (AFR) Sensor
- Power direct vent design provides flexible venting with PVC, CPVC, or ABS intake and exhaust (solid core only)
- Factory-installed power cord included with indoor models

Warranties

- 15-year limited warranty on heat exchanger in residential applications.
- 6-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts.

* Easy-Link system allows up to 4 units to be manifolded together without a system controller. The controls are built into each unit's internal computer. The Easy-Link system ensures proper modulation, using only the amount of energy required.

Model No.	Gas Consumption Input		Inlet Gas Pressure (in. W.C.)		Energy Factor	Max GPM	Hot/Cold and Gas Conn.	Dimensions (In)			Approx. Ship Weight (Lbs)
	Min. Btu/h	Max. Btu/h	Min.	Max.				Height	Width	Depth	
GTS-540P-NIH	15,000	199,000	4.0	10.5	0.95	10.0	3/4" NPT	25-5/8	17-3/4	11-1/4	61

Water Heater

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	86803	GTS-540P-NIH 15,000-199,000 BTU CONDENSING TANKLESS W/RECIRC.			

Valve Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62382	100112156 ISOLATION VALVE KIT PB FREE 9007604005	

PCE Series Light Duty Commercial Electric Water Heaters



The PCE Patriot Light-Duty Water Heaters are designed for use as recovery heaters for light-duty hot water supply service. They can be installed for non-simultaneous and single element operation (maximum input up to 6 KW), or for simultaneous dual-element operation (maximum input up to 12 KW).

- 120V, 277V single-phase, and 208V, 240V and 480V unbalanced 3-phase delta.
- Easily converted to single-phase at terminal block (except for 208V with 6000 watt elements).
- Single-element heater, single-phase only.
- Factory-installed terminal block provides electrical service to heater and connects to block.
- Temperature control (adjustable from 110 to 170° F on single-element; 120 to 180° F on dual-element models).
- Manual reset high temperature cutoff per element (dual-element models).
- Glass-lined tank with anode rod provides long-lasting protection against corrosion.
- Simplified, color-coded circuitry for ease of service.
- Bonderized undercoat on cabinet with baked enamel finish.
- Top inlet and outlet openings.
- Foam insulation.
- Drain valve.
- UL-approved field conversion program.
- Three-year limited tank warranty.

PCE Single Element Possible Combinations

Gallons	KW	Water Heater + Conversion Kit (By Bercor No.)		
		120V	208V	277V
6	1.5	88212+88245	*	*
6	2.5	88212	88212+88243	88212+88246
6	3	*	88212+88238	*
10	1.5	88213+88245	*	*
10	2.5	88213	88213+88243	88213+88246
10	3	*	88213+88238	*
10	4.5	*	88213+88247	*
10	6	*	88213+88241	*
17	1.5	88214+88245	*	*
17	2.5	88214	88214+88243	88214+88246
17	3	*	88214+88238	*
17	4.5	*	88214+88247	*
17	6	*	88214+88241	*
20	1.5	88215+88245	*	*
20	2.5	88215	88215+88243	88215+88246
20	3	*	88215+88238	*
20	4.5	*	88215+88247	*
20	6	*	88215+88241	*

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PCE Double Element Possible Combinations

Gallons	KW	Water Heater + Conversion Kit (By Bercor No.)		
		120V	**208V**	**277V**
	208V	480V		
30	3	88216	*	277V is Special Order Only
30	4.5	88216+88239	*	
30	5	88216+88242	*	
30	6	88216	88216+88244	
30	9	88216+88239	*	
30	12	N/A	88216+88244	
40 Tall	3	88209	*	
40 Tall	4.5	88209+88239	*	
40 Tall	5	88209+88242	*	
40 Tall	6	88209	88209+88244	
40 Tall	9	88209+88239	*	
40 Tall	12	N/A	88209+88244	
40 Short	3	88217	*	
40 Short	4.5	88217+88239	*	
40 Short	5	88217+88242	*	
40 Short	6	88217	88217+88244	
40 Short	9	88217+88239	*	
40 Short	12	N/A	88217+88244	
52	3	88210	*	
52	4.5	88210+88239	*	
52	5	88210+88242	*	
52	6	88210	88210+88244	
52	9	88210+88239	*	
52	12	N/A	88210+88244	
82	3	88211+88240	*	
82	4.5	88211+88239	*	
82	5	88211+88242	*	
82	6	88211	88211+88244	
82	9	88211+88239	*	
82	12	N/A	88211+88244	

*Available by Special Order

Water Heaters

Diameter (In.)	Height (In.)	Shipping Wt. (Lbs.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
14-1/4	15-1/2	35	1	EA	88212	PCE6-1-OMS 6 GALLON 2.5 KW STATE PATRIOT COMM ELC HTR	
18	18-1/4	54	1	EA	88213	PCE10-1-OMS 10 GALLON 2.5 KW STATE PATRIOT COMM ELC HTR	
18	26	58	1	EA	88214	PCE17-1-OMS 17 GALLON 2.5 KW STATE PATRIOT COMM ELC HTR	
21-3/4	22-1/4	73	1	EA	88215	PCE20-1-OMS 20 GALLON 2.5 KW STATE PATRIOT COMM ELC HTR	
21-3/4	30-7/8	100	1	EA	88216	PCE30-2-OLS 30 GALLON 3/3 KW STATE PATRIOT COMM ELC HTR	
24	32-1/4	125	1	EA	88217	PCE40-2-OLS 40 GALLON 3/3 KW STATE PATRIOT COMM ELC HTR	
20-1/2	45-1/8	113	1	EA	88209	PCE40-2-ORT 40 GALLON 3/3 KW STATE PATRIOT COMM ELC HTR	
20-1/2	54-7/8	131	1	EA	88210	PCE52-2-ORT 52 GALLON 3/3 KW STATE PATRIOT COMM ELC HTR	
24	59-3/8	211	1	EA	88211	PCE82-2-ORTA 82 GALLON 6/6 KW STATE PATRIOT COMM ELC HTR	

Conversion Kits

10	EA	88245	100109461 120V 1.5KW 1ELEM CON KIT -PCE COMM ELEC HTR 9003754005	
10	EA	88246	100109467 277V 2.5KW 1ELEM CON KIT -PCE COMM ELEC HTR 9003760005	
10	EA	88243	100109474 208V 2.5KW 1ELEM CON KIT -PCE COMM ELEC HTR 9003767005	
10	EA	88238	100109475 208V 3 KW 1 ELEM CON KIT -PCE COMM ELEC HTR 9003768005	
10	EA	88247	100109478 208V 4.5KW 1ELEM CON KIT -PCE COMM ELEC HTR 9003771005	
10	EA	88241	100109480 208V 6KW 1 ELEM CONV KIT -PCE COMM ELEC HTR 9003773005	
10	EA	88242	100109500 208V 5KW 2 ELEM CONV KIT -PCE COMM ELEC HTR 9003793005	
10	EA	88240	100109501 208V 3KW 2 ELEM CONV KIT -PCE COMM ELEC HTR 9003794005	
10	EA	88239	100109504 208V 4.5KW 2ELEM CON KIT -PCE COMM ELEC HTR 9003797005	
1	EA	88244	100109516 480V 6KW 2 ELEM CONV KIT -PCE COMM ELEC HTR 9003809005	

State WATER HEATERS CSB Series Sandblaster Commercial Electric Water Heaters



CSB models ship with the gold plated elements which provide long life and superior scaling resistance. Low watt density means lower surface temperature to minimize scale buildup and more surface to heat water. Gold elements carry a one-year warranty against failure due to lime scale build-up.

- Tank interior is coated with glass specially 150 developed for water heater use. Tanks rated at psi working pressure.
- Fusing protects all elements, thermostats, and internal wiring circuits against excess current flow.
- Convertible from three-phase to single-phase.
- Terminal block is factory installed.
- One temperature control (adjustable through a range of 120 to 180° F) and manual reset high temperature cut-off per element.
- Surface mounted thermostats.
- Simplified circuitry, color coded for ease of service.
- Two anode rods for maximum corrosion protection.
- Cabinet has bonderized undercoat with baked enamel finish.
- Bottom inlet and top outlet openings.
- Brass drain valve.
- CSA/ASME temperature and pressure relief valve.
- Single panel control box.
- Three-year limited tank warranty.

CSB Possible Combinations

	Water Heater + Conversion Kit (By Bercor No.)			
Gallons	**KW**	**208V**	**240V**	**480V**
50	6	88200	*	*
50	9	88200+88218	88200+88237	88200+88224
50	12	88200+88220	*	88200+88235
50	15	88200+88222	88200+88233	88200+88231
50	18	88201	88200+88227	88200+88219 or 88202+88226
50	24	88202+88223	88202+88232	88202+88236
50	27	88202+88230	*	*
50	30	88202+88228	*	*
50	36	88202	*	88202+88225
80	6	88203	*	*
80	9	88203+88218	88203+88237	88203+88224
80	12	88203+88220	*	88203+88235
80	15	88203+88222	88203+88233	88203+88231
80	18	88204	88203+88227	88203+88219 or 88205+88226
80	24	88205+88223	88205+88232	88205+88236
80	27	88205+88230	*	*
80	30	88205+88228	*	*
80	36	88205	*	88205+88225
80	45	88249	*	*
80	54	*	*	88249+88234
119	6	88206	*	*
119	9	88206+88218	88206+88237	88206+88224
119	12	88206+88220	*	88206+88235
119	15	88206+88222	88206+88233	88206+88231
119	18	88207	88206+88227	88206+88219 or 88208+88226
119	24	88208+88223	88208+88232	88208+88236
119	27	88208+88230	*	*
119	30	88208+88228	*	*
119	36	88208	*	88208+88225
119	45	88248+88229	*	*
119	54	88248	*	88248+88234

*Available by Special Order

Continued on the Following Page

Water Heaters

Diameter (In.)	Height (In.)	Shipping Wt. (Lbs.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
21-3/4	55-3/4	265	1	EA	88200	CSB52-6-SFE 52 GALLON 6 KW STATE COMM ELEC HTR	
21-3/4	55-3/4	265	1	EA	88201	CSB52-18-SFE 52 GALLON 18 KW STATE COMM ELEC HTR	
21-3/4	55-3/4	265	1	EA	88202	CSB52-36-SFE 52 GALLON 36 KW STATE COMM ELEC HTR	
25-1/2	60-1/4	280	1	EA	88249	CSB82-45-SFE 80 GALLON 45 KW STATE COMM ELEC HTR	
25-1/2	60-1/4	280	1	EA	88203	CSB82-6-SFE 82 GALLON 6 KW STATE COMM ELEC HTR	
25-1/2	60-1/4	280	1	EA	88204	CSB82-18-SFE 82 GALLON 18 KW STATE COMM ELEC HTR	
25-1/2	60-1/4	280	1	EA	88205	CSB82-36-SFE 82 GALLON 36 KW STATE COMM ELEC HTR	
35-1/2	62-1/4	395	1	EA	88248	CSB120-54-SFE 119 GALLON 54 KW STATE COMM ELEC HTR	
29-1/2	62-1/4	390	1	EA	88206	CSB120-6-SFE 120 GALLON 6 KW STATE COMM ELEC HTR	
29-1/2	62-1/4	390	1	EA	88207	CSB120-18-SFE 120 GALLON 18 KW STATE COMM ELEC HTR	
29-1/2	62-1/4	390	1	EA	88208	CSB120-36-SFE 120 GALLON 36 KW STATE COMM ELEC HTR	

Accessories

10	EA	88222	100109159 208V 15KW 3 ELEM CON KIT -CSB COMM ELEC HTR 9003334005	
10	EA	88218	100109161 208V 9KW 3 ELEM CONV KIT -CSB COMM ELEC HTR 9003336005	
10	EA	88220	100109162 208V 12KW 3 ELEM CON KIT -CSB COMM ELEC HTR 9003337005	
10	EA	88230	100109163 208V 27KW 6 ELEM CON KIT -CSB COMM ELEC HTR 9003338005	
10	EA	88228	100109164 208V 30KW 6 ELEM CON KIT -CSB COMM ELEC HTR 9003339005	
10	EA	88221	100109165 208V 18KW 6 ELEM CON KIT -CSB COMM ELEC HTR 9003340005	
10	EA	88223	100109166 208V 24KW 6 ELEM CON KIT -CSB COMM ELEC HTR 9003341005	
1	EA	88229	100109168 208V 45KW 9 ELEM CON KIT -CSB COMM ELEC HTR 9003343005	
10	EA	88233	100109171 240V 15KW 3 ELEM CON KIT -CSB COMM ELEC HTR 9003346005	
10	EA	88227	100109172 240V 18KW 3 ELEM CON KIT -CSB COMM ELEC HTR 9003347005	
10	EA	88237	100109174 240V 9KW 3 ELEM CONV KIT -CSB COMM ELEC HTR 9003349005	
10	EA	88232	100109180 240V 24KW 6 ELEM CON KIT -CSB COMM ELEC HTR 9003355005	
10	EA	88231	100109186 480V 15KW 3 ELEM CON KIT -CSB COMM ELEC HTR 9003361005	
10	EA	88219	100109187 480V 18KW 3 ELEM CON KIT -CSB COMM ELEC HTR 9003362005	
10	EA	88224	100109189 480V 9KW 3 ELEM CONV KIT -CSB COMM ELEC HTR 9003364005	
10	EA	88235	100109190 480V 12KW 3 ELEM CON KIT -CSB COMM ELEC HTR 9003365005	
10	EA	88225	100109193 480V 36KW 6 ELEM CON KIT -CSB COMM ELEC HTR 9003368005	
10	EA	88226	100109194 480V 18KW 6 ELEM CON KIT -CSB COMM ELEC HTR 9003369005	
10	EA	88236	100109195 480V 24KW 6 ELEM CON KIT -CSB COMM ELEC HTR 9003370005	
10	EA	88234	100109198 480V 54KW 9 ELEM CON KIT -CSB COMM ELEC HTR 9003373005	

SBS/SBD Series Sandblaster Commercial Water Heaters



- Self-cleaning feature reduces harmful sediment buildup inside tank; SBD Series features new Hydro Cannon™ design.
- Energy-saving automatic flue damper on SBD Series with 360° rotation service switch.
- Front, top or rear water connection options, self-cleaning Hydro Cannon functions only when front cold water connection is used.
- The GPG heaters require a NO charge factory startup.
- Can be installed as single unit or in manifolded multiples, with or without storage tanks.
- Thermostat dual controller reduces thermal stacking inside tank.
- On/off power switch.
- Intermittent electronic ignition eliminates pilot.
- ASME tank construction available on 251,000 through 500,000 BTU models.
- Multiple anode rods with stainless steel cores for longer life.
- Tank inspection port/cleanout.
- Meets NSF requirements when equipped with optional leg kit.
- 80% thermal efficiency meets ASHRA/IESNA 90.1-1999.
- Three year limited tank warranty.
- One year Parts Warranty.

Model No.	Gal. Cap.	BTU Input/ Hour	Output (Gallons)		Dimensions (In.)		Draft Hood Outlet	Gas Connection (In)	Approx. Ship. Wt. (Lbs)
			First Hr. Rating	100° Recovery	Height with Drafthood	Diameter (In)			
SBS65-65NE	65	65,000	106	60	63-1/4	22	4	1/2	215
SBS75-76NE	74	76,000	125	73	61-1/8	25-3/8	4	1/2	275

Model No.	Gal. Cap.	BTU Input/ Hour	Output (Gallons) First Hr. Rating	Recovery			Dimensions (In)		Draft Hood Outlet	Gas Connection (In)	Approx Ship. Wt. (Lbs)
				80°	100°	140°	Height with Drafthood	Diameter			
SBD71-120NE	71	120,000	166	145	116	83	69-3/4	27-3/4	5	1/2	400
SBD81-180NE	81	180,000	231	217	174	124	67-1/2	27-3/4	6	1/2	470
SBD81-199 NE	81	199,000	241	230	184	132	67-1/2	27-3/4	6	1/2	470
SBD100-199NES	100	199,000	263	241	193	132	72	30-1/4	6	1/2	630
SBD100-199NE	100	199,000	263	241	193	132	75	27-3/4	6	1/2	603
SBD65-251NEA	65	251,000	289	304	243	174	75	27-3/4	8	1/2	862
SBD100-275NEA	100	275,000	337	333	267	190	72	30-1/4	8	1/2	725
SBD65-305NEA	65	305,000	342	370	296	211	75	27-3/4	8	1/2	862
SBD85-365NEA	85	365,000	414	442	354	253	79-1/2	27-3/4	8	3/4	833
SBD100-390NEA	100	390,000	458	485	388	277	75-1/2	30-1/4	8	3/4	874
SBD85-500NEA	85	500,000	545	606	485	346	82-1/4	27-3/4	8	1	857
GPG85-740NEA	85	740,000	778	897	718	512	93	29-1/2	9	1	950

SBS Series Light Duty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62848	SBS65-65NE STATE COMM NAT HTR	
1	EA	62849	SBS75-76NE STATE COMM NAT HTR	

SBD Series with Automatic Flue Damper

1	EA	62803	SBD71-120NE STATE COMM NAT HTR	
1	EA	62772	SBD81-199NE STATE COMM NAT HTR	
1	EA	62842	SBD100-199NES STATE COMM NAT HTR	
1	EA	88292	SBD100-199NE STATE COMM NAT HTR	
1	EA	62801	SBD65-251NEA ASME STATE COMM NAT HTR	
1	EA	62802	SBD100-275NEA ASME STATE COMM NAT HTR	
1	EA	62845	SBD65-305NEA ASME STATE COMM NAT HTR	
1	EA	62846	SBD85-365NEA ASME STATE COMM NAT HTR	
1	EA	62850	SBD100-390NEA ASME STATE COMM NAT HTR	
1	EA	62804	SBD85-500NEA ASME STATE COMM NAT HTR	
1	EA	62823	GPG85-740NEA ASME COM NAT HTR 2 CTNS W/DAMPER 170777	

Power Direct Vent Water Heater



- Two pipe system for separate intake make-up air and exhaust venting.
- Eliminates negative air pressure.
- Permits vent runs up to 135 equivalent feet of pipe with one elbow.
- Self-cleaning.
- 3-year warranty.
- Maximum Feet of Vent Pipe with One 90° Elbow: SDV 75-70NE: 3" to 50 Ft.

Tank Cap. Gallons	BTU/Hr. Natural	100° Rise Recovery GPH	Height (In)	Dia. (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
75	70,000	64	69-5/8	26	1	EA	62691	SDV75-70NE STATE COMM NAT DIRECT VENT HTR	

High Efficiency Power Direct Vent Water Heater

Fully Condensing



- 94% thermal efficiency, our most efficient gas water heater delivers higher output with lower input than larger conventional units.
- Venting options(1) Conventional power-venting horizontal or vertical.(2) Sealed power direct vent, horizontal or vertical, draws all combustion air from outside.
- Zero clearance to combustibles on all sides, combustible floor approval.
- Combustion air blower, all controls and gas valves located on top of unit for protection against high water.
- Diagnostic control panel, with status and fault indicating lights, digital temperature and numeric code display.
- Installs with Schedule 40 PVC pipe, depending on model and length of vent runs.
- Maximum hydrostatic working pressure 160 psi.

Model	Gallon Capacity	BTU/Hr. Natural	Recovery			Height (In)	Diameter (In)	Vent (In)	Gas Connection (In)	Ship Weight (Lbs)
			80	100	140					
SUF100-199NE	100	199,000	288	230	164	75-1/2	27-3/4	3 or 4	1/2	555
SUF100-250NEA	100	250,000	360	276	206	75-1/2	27-3/4	3 or 4	1/2	595

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62694	SUF100-199NE STATE COMM NAT DIRECT VENT HTR	
1	EA	62686	SUF100-250NEA ASME STATE COMM NAT DIRECT VENT HTR	

Force 90+ Power Direct Vent Water Heater



- Modular blower, with 120V, 60 Hz electrical system (5 amps or less)
- Large LCD display
- Precise temperature control
- Advanced diagnostics
- Reduces NOx emissions
- CSA Certified and ASME rated T&P relief valve
- Maximum hydrostatic working pressure: 150 psi
- Three year limited tank warranty
- Combined horizontal and vertical vent runs terminating through outside wall, using Schedule 40 pipe as follows:
- 2" pipe allows vent runs up to 20 equivalent feet
- 3" pipe allows vent runs up to 60 equivalent feet
- 4" pipe allows vent runs up to 120 equivalent feet

Model No.	BTU Input Per Hour	Tank Size (Gal.)	Recovery-GPH at Degree Rise			Dimensions (H x D)	Ship Weight (Lbs)
			40° F	100° F	140° F		
SHE50 100NE	100,000	50	291	116	83	68-1/2 x 22	255

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62294	SHE50-100NE STATE COMM NAT DIRECT VENT HTR	

Commercial Storage Tank



- 2" foam insulation.
- Heavy-gauge jacket finished with durable, attractive enamel finish.
- Glass lined models are equipped with one or more magnesium anode rods.
- Meets performance criteria set forth in ASHRAE 90.1b.1992 requirements and in BCA code.
- Standard tank design working pressure: 150 PSI.
- Tank inspection port for easy access to tank interior.
- Separate T&P valve opening for installation of properly sized T&P valve.
- 5-year tank warranty.

Tank Capacity Gallons	Height (In)	Diameter (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
119	65	28	1	EA	62719	PVG-01200-OVT 119 GAL COMM STORAGE TANK	

Commercial Water Heater Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66971	100108922 NAT HONEYWELL REPLACEMENT IGN MOD 9002729005	
1	EA	62716	100108455 2" SHANK T&P VALVE 9000728015	
1	EA	62728	100108432 R/S NAT COMM GAS CONTROL VALVE 9000547005	
1	EA	62698	100108464 W/R COMM THERMOSTAT W/ECO 9000913005	
1	EA	62693	100108592 3/4IN R/S CONT & T'COUP NAT GAS CNTL VALVE 9001571005	
1	EA	62741	100108622 T & P VALVE 9001656005	
1	EA	62702	100108735 R/S NAT IGNITION MODULE 9002226005	
1	EA	62731	100108775 NAT PILOT W/SPARK IGN 9002398005	
1	EA	62729	100108844 6IN BASE STYLE FLUE DAMPER ASSY 9002537005	
1	EA	62727	100108845 7IN FLUE DAMPER ASSY 9002538005	
1	EA	66970	100108943 RREPL-PRECISION SPEED NAT PILOT W/SPARK 9002834005	
1	EA	62705	100109686 CLEANOUT GASKET 9004099215	
1	EA	66047	100109724 NAT GAS VALVE FOR 40-50 XCVIT 9004240005	
1	EA	62740	100110719 T & P VALVE 9005903205	

Premier High Efficiency Gas Water Heaters, Residential



The Premier High Efficiency gas water heaters provide the ideal blend of high efficiency and easy installation. The new design delivers 0.70 EF and is ENERGY STAR® qualified which delivers higher efficiency, simplifies installation and includes user-friendly features.

- Electronic ignition
- Thermistor sensing and microprocessor intelligence
- Easy-to-read LCD control display
- Connect to existing B-vent on replacements
- Powered anode

Model No.	Gallon Capacity	Energy Factor	BTU Input Per Hour	Recovery at 90° F Rise	First Hour Rating (GPH)	Foam Thickness (In.)	Height (In.)	Dia. (In.)	Draft Hood Outlet	Shipping Weight (Lbs.)
GP6 40 YPCT	40	0.70	40,000	43	70	2	58	20	3 or 4	157
GP6 50 YPCT	50	0.70	40,000	43	81	2	57-1/8	22	3 or 4	171

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	63235	GP6-40-YPCT PREMIER HIGH EFFICIENCY STATE NAT HTR			
1	EA	63236	GP6-50-YPCT PREMIER HIGH EFFICIENCY STATE NAT HTR			

High Efficiency Gas Water Heaters, Residential

Series 100, Auto Flue Damper, .67 Energy Factor



- Energy Star qualified
- Automatic flue damper increases efficiency
- Electronic gas control provides faster heating response to optimize performance
- LED status indicator monitors system operation and service diagnostics
- Electronic ignition
- Diffuser dip tube helps reduce lime and sediment build-up
- Patented low NOx bu;rner reduces emissions by up to 33%
- Durable, tamper-resistant brass drain valve
- CSA certified and ASME rated T&P relief valve
- 6-Year Limited tank and parts warranty

Model No.	Gal. Cap.	BTU Input/Hour	Gallons/Hour 90° Recovery	Dimensions (Inches)		Draft Hood Outlet	Energy Factor	Approx. Ship. Wt.
				Height with Drafthood	Diameter			
GS6 40 YBFT	40	40,000	42	64-1/4	20	3 or 4	.67	152
GS6 50 YBFT	50	40,000	42	63-1/2	22	3 or 4	.67	167

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	88197	GS6-40-YBFT .67 STATE NAT HIGH EFFICIENCY HTR			
1	EA	88198	GS6-50-YBFT .67 STATE NAT HIGH EFFICIENCY HTR			

Premier Power Vent Gas Water Heater, Residential



The Premier® Power-Vent is a residential gas water heater, equipped with a fully subjerged, spiral-shaped condensing heat exchanger resulting in a 90% thermal efficiency. The Power-Vent can be installed in less space than a 75-gallon unit and delivers greater recovery and lower operating costs.

- Side-mounted taps for recirculating systems.
- Intelli-vent™ gas control with silicon nitride hot surface ignitor.
- Commercial-grae glass lining with two magnesium anode rods.
- Low-NOx Green Choice® Burner.
- PEXAN™ diffuser dip tube.
- Factory-installed temperature and pressure relief valve.
- Maximum hydrostatic working pressure 150 psi.

Model No.	Gallon Capacity	BTU Input/ Hour	Output (Gallons)		Dimensions (Inches)		Approx. Ship. Wt. (Lbs.)
			First Hr. Rating	Recovery 90° Rise	Height With Drafthood	Diameter	
GP6 50 YTVIT	50	76,000	127	92	70-5/8	22	210

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	63105	GP6-50-YTVIT 90% PREMIER NAT POWER VENT HTR			

Premier Power Vent Gas Water Heater, Residential

Direct Vent



The Premier Power direct-vent residential gas water heater is equipped with a fully submerged, spiral-shaped condensing heat exchanger, resulting in 96% thermal efficiency. It can be installed in less space than a 75-gallon unit yet delivers greater recovery and lower operating costs.

- Combined horizontal and vertical vent runs terminating through outside wall, using Schedule 40 PVC pipe as follows:
  2" pipe allows vent runs up to 20 equivalent feet
  3" pipe allows vent runs up to 60 equivalent feet
  4" pipe allows vent runs up to 120 equivalent feet
- Side-mounted taps for recirculating systems
- Advanced electronic control
- Glass lined tank with two magnesium anode rods that provides superior protection against corrosion
- Commercial-grade glass lining protects all "water side" tank surfaces plus inside of internal heat exchanger exposed to condensate
- CSA certified and ASME rated T&P relief valve
- Maximum hydrostatic working pressure: 150 psi

Model No.	BTU Input/Hour	Tank Size (Gal.)	First Hour Delivery (Gal.)	Recovery Gal./Hr. at 90° F Rise	H x D (In.)	Ship Weight (Lbs.)
GP6 50 YTPDT	100,000	50	164	129	68-1/2 x 22	255

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	63189	GP6-50-YTPDT 96% PREMIER NAT POWER DIRECT VENT HTR			

Select Power Vent Gas Water Heaters, Residential
with C3 Technology



- Power-Vent design. For installation versatility, system permits combined horizontal and vertical venting and air intake runs up to 80 feet (including one 90° elbow) using 3" Schedule 40 PVC, CPVC or ABS pipe.
- New Intelli-Vent gas control is equipped with a nearly-indestructible silicon nitride hot surface igniter, and advanced electronics for more precise control of water temperature and easy to understand system diagnostics.
- Quiet modular blower is equipped with 110/120 volt electrical system (rating 3 amps or less), 6 foot cord, standard 3-prong male connector.
- Diffuser dip tube helps reduce lime and PEX sediment buildup and maximizes hot water output. Made of State PEXAN, a cross link polymer that can withstand long-term exposure to water temperatures up to 400° F.
- Green Choice eco-friendly gas burner patented design reduces NOx emissions up to 33%.
- Durable brass tamper-resistant drain valve.
- Glasslined tank for long-lasting protection against rust and corrosion.
- Aluminum anode rod for additional protection against rust and corrosion.
- Factory installed temperature and pressure (T&P) relief valve.
- Thick, CFC free foam insulation.
- C3 Technology flammable vapor ignition resistant design.
- 6 year tank warranty.
- 6 year parts warranty.

Important: Venting and Combustion Air Requirements

Read and follow requirements shown in the Installation Manual for Select Power-Vent Gas water heaters dealing with type, placement, and length of vent pipe and vent termination, as well as clearances required to provide adequate combustion air and proper ventilation.

Model No.	Gal. Cap.	BTU Input/Hour	Gallons/Hour 90° Recovery	Dimensions (Inches)		Draft Hood Outlet	Energy Factor	Approx. Ship Wt. (Lbs)
				Height with Drafthood	Diameter			
GS6-40-HBVIT*	40	40,000	44	63	18-1/2	2 or 3	.65	155
GS6-40-YBVIT	40	40,000	44	63	18-1/2	2, 3 or 4	.65	155
GS6-40-YBVIT 2	40	40,000	44	63	20-1/2	2, 3 or 4	.67	166
GS6-50-HBVIT*	50	40,000	44	65	20	2 or 3	.65	195
GS6-50-YBVIT	50	40,000	44	65	20	2, 3 or 4	.65	195
GS6-50-YBVIT 2	50	40,000	44	65	22	2, 3 or 4	.67	186
GS6-50-YRVIT	50	62,500	65	65	22	2, 3 or 4	.65	200
GS6-75-HRVIT*	74	80,000	86	66	25-1/2	3 or 4	N/A	300
GS6-75-YRVIT	74	80,000	86	66	25-1/2	3 or 4	N/A	300

*LP Models

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	63196	GS6-40-HBVIT STATE LP EI POWER VENT HTR			
1	EA	63198	GS6-40-YBVIT STATE NAT EI POWER VENT HTR			
1	EA	88189	GS6-40-YBVIT-2 STATE NAT EI .67 POWER VENT			
1	EA	63197	GS6-50-HBVIT STATE LP EI POWER VENT HTR			
1	EA	63199	GS6-50-YBVIT STATE NAT EI POWER VENT HTR			
1	EA	88199	GS6-50-YBVIT-2 STATE NAT EI .67 POWER VENT			
1	EA	63194	GS6-50-YRVIT-5 STATE NAT EI POWER VENT HTR			
1	EA	63186	GS6-75-HRVIT STATE LP EI POWER VENT HTR			
1	EA	63164	GS6-75-YRVIT STATE NAT EI POWER VENT HTR			

Select Power Vent Gas Water Heaters, Residential



- All models meet September 2010 Energy Star requirement EF
- Newly designed Pexan dip tube optimizes inlet water pressure to minimize cold water regions within the tank
- Hot-surface ignitor is more robust
  - than standing pilot, and reduces energy consumption.
- Built-in heat traps on the water inlet and outlet
- All models feature an exclusive 3-position rotatable blower outlet
- Combined horizontal and vertical vent runs up to 180 equivalent feet with 4" diameter venting (ABS, PVC, CPVC, and polypropylene)
- All models are equipped with a protected sensor that detects the presence of flammable vapors and automaticaly disables the burner to prevent
  - ignition
- Reduced NOx emissions
- State-of-the-art electronic gas control provides more precise temperature control
- 6-year limited warranty on tank
- 6-year limited warranty on all parts

Model No.	Gal. Cap.	BTU Input/Hour	Gallons/Hour 90° Recovery	Dimensions (Inches)		Energy Factor	Approx. Ship. Wt.
				Height to Top of Blower	Diameter		
GS6-40-YBVIS	40	40,000	44.7	59	22	.70	174
GS6-40-HBVIS*	40	40,000	44.7	59	22	.70	174
GS6-40-YRVIT	40	50,000	55.9	68-1/2	20	.70	176
GS6-50-YBVIS	50	40,000	44.7	60-1/8	24	.70	198
GS6-50-HBVIS*	50	40,000	44.7	60-1/8	20	.70	198
GS6-50-YRVIT	50	50,000	55.9	68-1/8	22	.70	192
GS6-50-YRVHSL	50	62,000	69.3	61-1/8	24	.70	212
GS6-75-YRVHTL	75	72,000	80.4	70-5/8	26	.68	277
GS6-75-HRVHTL*	75	72000	80.4	70-5/8	26	.68	277

*LP Models

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	88250	GS6-50-YRVHS-L 50 GALLON STATE POWER VENT HTR			
1	EA	88251	GS6-40-YBVIS 40 GALLON STATE NAT EI POWER VENT HTR			
1	EA	88252	GS6-40-YRVIT 40 GALLON STATE NAT EI POWER VENT HTR			
1	EA	88253	GS6-50-YBVIS 50 GALLON STATE NAT EI POWER VENT HTR			
1	EA	88254	GS6-50-YRVIT 50 GALLON STATE NAT EI POWER VENT HTR			
1	EA	88255	GS6-75-YRVHTL 75 GALLON STATE NAT EI POWER VENT HTR			
1	EA	88256	GS6-40-HBVIS 40 GALLON STATE LP EI POWER VENT HTR			
1	EA	88257	GS6-50-HBVIS 50 GALLON STATE LP EI POWER VENT HTR			
1	EA	88258	GS6-75-HRVHTL 75 GALLON STATE LP EI POWER VENT HTR			

Proline Master Atmospheric Vent

Residential Gas



Features

- Blue Diamond glass coating provides higher level of corrosion resistance than standard glass
- Enhanced-flow brass drain valve permits fast draining and positive shut-off
- Green Choice Gas Burner
- Push-Button Piezo Ignitor
- Maximum Hydrostatic Working Pressure 150 PSI
- T&P relief valve is CSA Certified and ASME Rated
- 8-year limited warranty on tank & parts

Model Number	Capacity (Gal)	First Hour Rating (Gal)	Energy Factor	Recovery @ 90° F (GPH)	Element Wattage		Dimensions (In)		Approx. Ship Wt. (Lbs)
					Standard	Maximum	Height	Diameter	
Tall Models									
GW8-40-BCT	40	70	.62	40,000	42	61 3/4	20	3 or 4	138
GW8-50-BRT	50	88	.6	40,000	41	60 3/4	21	3 or 4	148
Short Models									
GW8-40-BCS	40	68	.62	40,000	41	51 1/2	22	3 or 4	135

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	88296	GW8-40-BCT 40 GALLON PROLINE MASTER NATURAL GAS HEATER			
1	EA	88297	GW8-50-BRT 50 GALLON PROLINE MASTER NATURAL GAS HEATER			
1	EA	88298	GW8-40-BCS 40 GALLON PROLINE MASTER NATURAL GAS HEATER			

Select Gas Water Heaters, Residential

Atmospheric Vent, NAECA 2015 Compliant



- Intelligent control (internal microprocessor, thermopile, and electronic gas control) optimizes performance, generates power for control, and monitors operation and diagnostics. (Not available on GS6 50 XCT and GS6 55 XCT.)
- Flammable Vapor Ignition Resistance (FVIR)
- Green Choice® gas burner
- Self-cleaning dip tube
- CoreGard™ anode rod has stainless steel core for extended rod life
- Push-button Piezo ignitor
- Heat trap nipples factory installed
- Blue Diamond glass coating provides higher level of corrosion resistance than standard glass
- Enhanced-flow brass drain valve permits fast draining and positive shut-off
- Max. hydrostatic working pressure: 150 psi
- T & P relief valve is CSA Certified and ASME Rated
- CSA Design Certified
- 6-year limited warranty on tank
- 6-year limited warranty on parts

Model Number	Capacity (Gal)	First Hour Rating (Gal)	Energy Factor	Natural Gas Input (BTU)	Propane Gas Input (BTU)	Recovery 90°F Rise (GPH)	Height with Draft Hood (In)	Diameter (In)	Draft Hood Outlet (In)	Approx. Shippping Wt. (Lbs)
Tall Units										
GS6 30 OCT	30	67	0.63	35,500	—	37	61-1/2	18	3 or 4	132
GS6 30 ORBT	30	64	0.63	35,500	—	37	61-1/2	16	3 or 4	123
GS6 40 BCT	40	70	0.62	40,000	—	42	61-3/4	20	3 or 4	138
GS6 40 BRBT	40	70	0.62	40,000	—	42	61-3/4	18	3 or 4	130
GS6 40 BCT401	40	70	0.62	—	36,000	42	61-3/4	20	3 or 4	138
GS6 50 BRT	50	88	0.60	40,000	—	41	60-3/4	21	3 or 4	148
GS6 50 RCT	50	92	0.60	50,000	—	54	60-3/4	22	4	165
GS6 50 XCT	50	98	0.60	60,000	—	65	65-1/2	22	4	190
GS6 50 BRT401	50	88	0.60	—	37,000	41	60-3/4	21	3 or 4	148
Short Units										
GS6 30 ORBS	30	56	0.63	35,500	—	37	50	18	3 or 4	110
GS6 30 OCS	30	62	0.63	35,500	—	37	50	20	3 or 4	118
GS6 40 BCS	40	68	0.62	40,000	—	41	51-1/2	22	3 or 4	135
GS6 40 BCS401	40	68	0.62	—	36,000	41	51-1/2	22	3 or 4	135
GS6 75 XRRS	74	—	—	75,100	—	81	61	26-1/2	4	275
GS6 75 CRRS	74	—	—	—	75,100	81	61	26-1/2	4	275

Tall Units

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	88260	GS6-30-OCT400 30 GALLON SELECT NATURAL GAS HEATER	—	—	—
1	EA	88261	GS6-30-ORBT400 30 GALLON SELECT NATURAL GAS HEATER BLANKETED	—	—	—
1	EA	88264	GS6-40-BCT400 40 GALLON SELECT NATURAL GAS HEATER	—	—	—
1	EA	88265	GS6-40-BRBT400 40 GALLON SELECT NATURAL GAS HEATER BLANKETED	—	—	—
1	EA	88266	GS6-40-BCT401 40 GALLON SELECT LP HEATER	—	—	—
1	EA	88269	GS6-50-BRT400 50 GALLON SELECT NATURAL GAS HEATER	—	—	—
1	EA	88270	GS6-50-RCT400 50 GALLON SELECT NATURAL GAS HEATER	—	—	—
1	EA	88271	GS6-50-XCT400 50 GALLON SELECT NATURAL GAS HEATER	—	—	—
1	EA	88272	GS6-50-BRT401 50 GALLON SELECT LP HEATER	—	—	—

Short Units

1	EA	88262	GS6-30-OCS400 30 GALLON SELECT NATURAL GAS HEATER	—	—	—
1	EA	88267	GS6-40-BCS400 40 GALLON SELECT NATURAL GAS HEATER	—	—	—
1	EA	88268	GS6-40-BCS401 40 GALLON SELECT LP HEATER	—	—	—
1	EA	62904	GS6-75-XRRS 75 GALLON SELECT NATURAL GAS HEATER	—	—	—
1	EA	63185	GS6-75-CRRS 75 GALLON SELECT LP HEATER	—	—	—

Select Gas Water Heaters, Residential

With Side Loop Fittings, NAECA 2015 Compliant



Atmospheric Vent Units

- Intelligent control (internal microprocessor, thermopile, and electronic gas control) optimizes performance, generates power for control, and monitors operation and diagnostics. (Not available on GS6 50 XCT and GS6 55 XCT.)
- Flammable Vapor Ignition Resistance (FVIR)
- Green Choice® gas burner
- Self-cleaning dip tube
- CoreGard™ anode rod has stainless steel core for extended rod life
- Push-button Piezo ignitor
- Heat trap nipples factory installed
- Blue Diamond glass coating provides higher level of corrosion resistance than standard glass
- Enhanced-flow brass drain valve permits fast draining and positive shut-off
- Max. hydrostatic working pressure: 150 psi
- T & P relief valve is CSA Certified and ASME Rated
- CSA Design Certified
- 6-year limited warranty on tank
- 6-year limited warranty on parts

Power Vent Units

- Versatile power vent design
- Energy Star® qualified
- Self-cleaning dip tube
- Hot surface ignitor
- Blue Diamond glass coating provides higher level of corrosion resistance than standard glass
- Enhanced-flow brass drain valve permits fast draining and positive shut-off
- 6-year limited warranty on tank
- 6-year limited warranty on parts

Model Number	Capacity (Gal)	First Hour Rating (Gal)	Energy Factor	Natural Gas Input (BTU)	Recovery 90°F Rise (GPH)	Height with Draft Hood (In)	Diameter (In)	Draft Hood Outlet (In)	Approx. Shippping Wt. (Lbs)
Atmospheric Vent Units									
GS6 40 BCTL	40	70	0.62	40,000	42	61-3/4	20	3 or 4	138
GS6 50 XCTL	50	98	0.60	60,000	65	65-1/2	22	4	190
GS6 50 RCTL	50	92	0.60	50,000	54	60-3/4	22	4	165
Power Vent Units									
GS6 340 YRVITL	40	90	0.70	50,000	55.9	68-1/2	20	–	176

Atmospheric Vent Units

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	88288	GS6-40-BCTL400 40 GALLON SELECT NATURAL GAS W/SIDE LOOP FIT.			
1	EA	88289	GS6-50-XCTL400 50 GALLON SELECT NATURAL GAS W/SIDE LOOP FIT.			
1	EA	88291	GS6-50-RCTL400 50 GALLON SELECT NATURAL GAS W/SIDE LOOP FIT.			

Power Vent Units

1	EA	88293	GS6-40-YRVITL 40 GALLON POWER VENT STATE NAT EI W/SIDE LOOP FIT.			

Select Gas Water Heaters, Residential

FVIR Gas Water Heater Design



- Flammable Vapor Ignition Resistance (FVIR) design.
- Diffuser dip tube helps reduce lime and sediment buildup, maximize hot water output. Made of State PEXAN™ a cross-link PEX polymer that can withstand long-term exposure to water temperatures up to 400° F.
- Green Choice™ eco-friendly gas burner patented design reduces NOx emissions by up to 33%, complies with southern California and Texas requirements.
- Easy-To-Light Piezo Igniter for fast "one-hand" pilot ignition.
- Durable brass tamper-resistant drain valve.
- Thick, CFC-free foam insulation.
- Glasslined tank for long-lasting protection against rust and corrosion.
- Aluminum anode rod helps protect against rust and corrosion for long tank life.
- Factory installed side mounted temperature and pressure (T&P) relief valve.
- Industry standard thermocouple.
- Burner operation viewed through new enlarged sight glass.
- 6 year tank warranty.
- 6 year parts warranty.

Model No.	Gal. Cap.	BTU Input/ Hour	Output (Gallons)		Dimensions (Inches)		Draft Hood Outlet	Energy Factor	Approx. Ship. Wt.
			First Hr. Rating	90° Recovery	Height with Drafthood	Diameter			
Tall Units									
GS6-30-YBRT	28	40,000	66	41	59-5/8	16	3 or 4	.61	112
GS6-50-YRRT	48	50,000	90	51	60-7/8	20	4	.58	172

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	62880	GS6-30-Y0RT STATE NAT HTR			
1	EA	62888	GS6-50-YRRT-5 STATE NAT HTR			

Gas Water Heaters, Residential

Direct Vent, C3 Technology



- Side-mounted taps designed for potable recirculating systems
- Direct vent design
- Piezo Ignitor
- Dual magnesium anode rods
- Brass drain valve
- CSA International ccertified E.C.O.
- With C3 FlammableVapor Ignition Resistant Technology (FVIR)
- Max. hydrostatic working pressure 150 psi
- Green Choice™ Eco-friendly gas burner
- Longer lasting PEXAN™ cold water tubes
- Temperature-pressure relief valve

Model Number	Capacity (Gal)	Energy Factor (EF)	Nat. Gas Input (BTU/H)	Recovery 90° F Rise (GPH)	Nat. Gas Output (BTU/H)	First Hour Rating	Approx. Shipping Weight (Lbs.)
GS6-40-YBDS-L	40	.62	38,000	41	30,780	73	167
GS6-50-YRDS-L	50	.59	50,000	55	40,500	88	187

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
1	EA	88195	GS6-40-YBDS-L STATE NAT DIRECT VENT HTR		
1	EA	88196	GS6-50-YRDS-L STATE NAT DIRECT VENT HTR		

Water Heaters for Manufactured Housing



- Single anode rod
- Foam insulation reduces fuel costs
- CSA certified and ASME rated T&P relief valve
- External Silencer™ heat trap nipples
- Piezo ignitor
- Manufactured housing models meet HUD requirements for manufactured housing installations, equipped with convertible gas control for natural or propane gas
- 6-year tank warranty
- 2-year parts warranty

Model No.	Series	Gallon Capacity	Energy Factor	Input BTU/HR Natural	90° F Rise Recovery GPH	Vent Connections (In.)	Diameter (In.)	Height (In.)	Loading Percent 53'	Approx. Ship Weight (Lbs.)
Standard Models										
GS6 30 YOMT	200	30	.61	35,000/32,000	36	3 or 4	16	61-1/2	.39	115
Direct Vent System Models										
PR6 30 NHDST 2	N/A	30	.61	30,000/30,000	31	–	18	56	.39	115

Standard Models with Convertible Controls

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	86788	GS6-30-YOMT STATE NAT HTR			

Direct Vent System Models

1	EA	86790	PR6-30-NHDST-2 STATE NAT HTR DIRECT VENT			

Roof Jack Kits (Field Controls No. 987 for Roof Pitch of 5-12 or Less)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	86793	9002964005 12" NON-ADJUSTABLE ROOF JACK KIT	
1	EA	86794	9002965005 32"(12"-32"ADJUSTABLE) ROOF JACK KIT	
1	EA	86795	9002966005 60"(32"-60"ADJUSTABLE) ROOF JACK KIT	
1	EA	86796	9002967005 95"(65"-90"ADJUSTABLE) ROOF JACK KIT	

Premier Residential Gas Hybrid Water Heater



- Patented circulation system delivers 90% thermal efficiency
- Patented water flow cirulcation system provides the performance of a tankless unit with extremely quick recovery
- Internal storage easily handles peak demand
- Smaller than a conventional 50-gallon gas water heater, but with twice the hot water delivery
- Sophisticated electronics with multiple lifestyle modes
- Low installation cost

Model No.	First Hour Rating (Gallons)	Recovery 90° F Rise (Gallons)	Input BTU/Hr.	Manifold Pressure			Electrical Characteristics		Shipping Weight (Lbs.)
				Gas Type	In. WC	KPA	Volts/Hz	Amperes	
GH-90N	189	121	100,000	NAT	4.2	1.05	120/60	2.5	198

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	63237	GPH-90N PREMIER HYBRID STATE NAT HTR			

Select Gas Water Heaters for Mobile Homes

Atmospheric Vent, NAECA 2015 Compliant



Atmospheric Vent Water Heater

- Complies with HUD standards for manufactured housing installation
- Gas control convertible for natural and propane gas
- Green Choice® gas burner meets Low-NOx emissions requirements of less than 40 ng/J
- CoreGard™ anode rod has stainless steel core for extended rod life
- Side-mounted 3/4" cold water inlet
- Blue Diamond glass coating provides higher level of corrosion resistance than standard glass
- Enhanced-flow brass drain valve permits fast draining and positive shut-off
- Max. Hydrostatic Working Pressure: 150 psi
- T&P valve : CSA Certified , ASME Rated
- 6-year limited warranty on tank and parts

Roof Jack Installation

- These water heaters must have a properly installed draft hood and be connected to a listed roof jack that terminates to the outdoors.
- The roof jack vent pipe must be secured to the draft hood with sheet metal screws.
- The roof jack models listed below are certified for use with these water heaters.

Model No.	Capacity (Gal)	First Hour Rating (Gal)	Energy Factor	Natural Gas Input (BTU)	Propane Gas Input (BTU)	Recovery 90°F Rise (GPH)	Insulation (In)	Height with Draft Hood (In)	Dia. (In)	Draft Hood Outlet (In)	Approx. Ship Wt. Lbs)
GS6 30 MHG	30	55	0.63	35,500	32,000	37	2	61-1/2	18	3 or 4	129
GS6 40 MHG	40	62	0.62	35,500	32,000	37	2	61-3/4	20	3 or 4	153

Atmospheric Vent Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	88283	GS6-30-MHG 30 GALLON ATMOSPHERIC MANUFACTURED HOUSING HEATER	—	—	—
1	EA	88284	GS6-40-MHG 40 GALLON ATMOSPHERIC MANUFACTURED HOUSING HEATER	—	—	—

Roof Jack Kits (Field Controls No. 987 for Roof Pitch of 5-12 or Less)

1	EA	86793	9002964005 12" NON-ADJUSTABLE ROOF JACK KIT	—	—	—
1	EA	86794	9002965005 32"(12"-32"ADJUSTABLE) ROOF JACK KIT	—	—	—
1	EA	86795	9002966005 60"(32"-60"ADJUSTABLE) ROOF JACK KIT	—	—	—
1	EA	86796	9002967005 95"(65"-90"ADJUSTABLE) ROOF JACK KIT	—	—	—

Select Gas Water Heaters for Mobile Homes

Direct Vent, NAECA 2015 Compliant



Atmospheric Vent Water Heater

- Complies with HUD standards for manufactured housing installation
- Gas control convertible for natural and propane gas
- Side-mounted 3/4" cold water inlet
- Green Choice® gas burner meets Low-NOx emissions requirements of less than 40 ng/J
- CoreGard™ anode rod has stainless steel core for extended rod life
- Blue Diamond glass coating provides higher level of corrosion resistance than standard glass
- Enhanced-flow brass drain valve permits fast draining and positive shut-off
- Max. Hydrostatic Working Pressure: 150 psi
- T&P valve is CSA Certified and ASME Rated
- Direct vent models package with bottom intake air vent draws combustion make-up air from outside the structure
- Optional ducted air inlet kit for direct vent models available
- 6-year limited warranty on tank
- 2-year limited warranty on parts

Roof Jack Installation

- Direct vent mobile home water heaters must be installed using an approved roof jack kit.
- The roof jack models listed below are certified for use with these water heaters.
- Dimensions listed indicate kit adjustability for varying vent distances.

Model No.	Capacity (Gal)	First Hour Rating (Gal)	Energy Factor	Natural Gas Input (BTU)	Propane Gas Input (BTU)	Recovery 90°F Rise (GPH)	Insulation (In)	Height with Draft Hood (In)	Dia. (In)	Draft Hood Outlet (In)	Approx. Ship Wt. Lbs)
GS6 30 MDV	30	49	0.63	30,000	29,000	31	2	61-1/2	18	3	129
GS6 40 MDV	40	61	0.62	32,000	29,000	33	2	61-3/4	20	3	153
GS6 50 MDV	50	77	0.60	40,000	37,000	39	2	60	22	3	168

Direct Vent Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	88285	GS6-30-MDV 30 GALLON DIRECT VENT MANUFACTURED HOUSING HEATER	—	—	—
1	EA	88286	GS6-40-MDV 40 GALLON DIRECT VENT MANUFACTURED HOUSING HEATER	—	—	—
1	EA	88287	GS6-50-MDV 50 GALLON DIRECT VENT MANUFACTURED HOUSING HEATER	—	—	—

Roof Jack Kits (Field Controls No. 987 for Roof Pitch of 5-12 or Less)

1	EA	86793	9002964005 12" NON-ADJUSTABLE ROOF JACK KIT	—	—	—
1	EA	86794	9002965005 32"(12"-32"ADJUSTABLE) ROOF JACK KIT	—	—	—
1	EA	86795	9002966005 60"(32"-60"ADJUSTABLE) ROOF JACK KIT	—	—	—
1	EA	86796	9002967005 95"(65"-90"ADJUSTABLE) ROOF JACK KIT	—	—	—

Select Electric Water Heaters, Residential

NAECA 2015 Compliant



- Dual 4500 watt heating elements provide fast recovery
- Incoly stainless steel lower element lasts longer than standard copper elements
- Self-cleaning dip tube
- CoreGard™ anode rod has stainless steel core for extended rod life
- Blue Diamond glass coating provides higher level of corrosion resistance than standard glass
- Enhanced-flow brass drain valve permits fast draining and positive shut-off
- Approved for Manufactured Housing
- UL 174 Certified for household electric water heaters
- T&P relief valve is CSA Certified and ASME Rated
- UL Design Listed
- 6-year limited warranty on tank
- 6-year limited warranty on parts

Model Number	Capacity (Gal)	First Hour Rating (Gal)	Energy Factor	Recovery @ 90° F (GPH)	Element Wattage 240V		Dimensions (In)		Approx. Ship Wt. (Lbs)
					Standard	Maximum	Height	Diameter	
Tall Units									
EN6 30 DORT	30	47	0.95	21	4500	6000	46-1/2	19	95
EN6 40 DORT	40	51	0.95	21	4500	6000	60-1/4	20	118
EN6 50 DORT	50	71	0.95	21	4500	6000	60-1/2	22	134
Short Units									
EN6 40 DORS	40	55	0.95	21	4500	6000	50	22	109
EN6 50 DORS	50	62	0.95	21	4500	6000	49-3/4	24	161
Lowboy Top Connect Units									
EN6 30 DOLS	28	43	0.95	21	4500	6000	31-1/4	24	115
EN6 40 DOLS	38	44	0.95	21	4500	6000	33-1/2	26	118

Tall Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	88277	EN6-30-DORT 30 GALLON SELECT ELECTRIC HEATER 240V 4500W	—	—	—
1	EA	88278	EN6-40-DORT 40 GALLON SELECT ELECTRIC HEATER 240V 4500W	—	—	—
1	EA	88280	EN6-50-DORT 50 GALLON SELECT ELECTRIC HEATER 240V 4500W	—	—	—

Short Units

1	EA	88279	EN6-40-DORS 40 GALLON SELECT ELECTRIC HEATER 240V 4500W	—	—	—
1	EA	88281	EN6-50-DORS 50 GALLON SELECT ELECTRIC HEATER 240V 4500W	—	—	—

Lowboy Top Connect Units

1	EA	88275	EN6-30-DOLS 28 GALLON SELECT ELECTRIC HEATER 240V 4500W	—	—	—
1	EA	88276	EN6-40-DOLS 38 GALLON SELECT ELECTRIC HEATER 240V 4500W	—	—	—

Select Electric Water Heaters, Residential

Specialty Units, NAECA 2015 Compliant



Features

- Blue Diamond glass coating provides higher level of corrosion resistance than standard glass
- Enhanced-flow brass drain valve permits fast draining and positive shut-off
- Approved for Manufactured Housing
- T&P relief valve is CSA Certified and ASME Rated
- UL 174 Certified
- UL Design Listed
- 6-year limited warranty on tank
- 6-year limited warranty on parts

Compact and Lowboy Models

- Side-mounted plumbing and electrical connections. Optional top-mounted water connections for field conversion.
- Designed for installation under a counter, in a crawl space, or in other tight spaces.

Point-of-Use Model

- Designed for low-demand applications such as office lavatories or buildings with remote restrooms.

Model Number	Capacity (Gal)	First Hour Rating (Gal)	Energy Factor	Recovery @ 90° F (GPH)	Element Wattage		Dimensions (In)		Approx. Ship Wt. (Lbs)
					Standard	Maximum	Height	Diameter	
Compact Units					**120V**	**240V**			
ES6 6 SOMS K	6	N/A	N/A	8	1650	3000	15-1/4	14-1/4	35
ES6 10 SOMS K	10	N/A	N/A	8	1650	6000	18-1/4	16	41
ES6 20 SOMS K	19	N/A	N/A	11	2500	6000	24-3/4	18	68
ES6 20 SOMT K	19.9	N/A	N/A	11	2500	6000	31-5/8	16	68
Lowboy Side Connect Unit					**240V**	**240V**			
EN6 30 DOMS	28	39	0.95	21	4500	6000	31-1/4	24	115
Point-of-Use Unit					**120V**				
ES6 2 SSUS K	2.5	N/A	N/A	7	1500	—	13-3/4	13-3/4	20

Compact Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	62870	ES6-6-SOMS-K STATE ELECT HTR 120V 1650W	—	—	—
1	EA	62871	ES6-10-SOMS-K STATE ELECT HTR 120V 1650W	—	—	—
1	EA	62872	ES6-20-SOMS-K STATE ELECT HTR 120V 1650W	—	—	—
1	EA	62873	ES6-20-SOMT-K STATE ELECT HTR 120V 1650W	—	—	—

Lowboy Side Connect Unit

1	EA	88282	EN6-30-DOMS 28 GALLON SELECT ELECTRIC HEATER 120V 1650W	—	—	—

Point-of-Use Unit

1	EA	62874	ES6-2-SSUSK 2.5 GALLON STATE ELECT HTR 120V 1500W	—	—	—

Proline Master Atmospheric Vent

Residential Electric



Features

- Blue Diamond glass coating provides higher level of corrosion resistance than standard glass
- Enhanced-flow brass drain valve permits fast draining and positive shut-off
- Certified to UL 174 for house hold electic water heaters
- Maximum Hydrostatic Working Pressure 150 PSI
- T&P relief valve is CSA Certified and ASME Rated
- 8-year limited warranty on tank & parts

Model Number	Capacity (Gal)	First Hour Rating (Gal)	Energy Factor	Recovery @ 90° F (GPH)	Element Wattage		Dimensions (In)		Approx. Ship Wt. (Lbs)
					Standard	Maximum	Height	Diameter	
EN8-50-DORT	50	73	0..95	21	4500	6000	60 1/2	20 1/2	125

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-5	PC-3 6
1	EA	88299	EN8-50-DORT 50 GALLON PROLINE MASTER ELECTRIC HEATER 240V 4500W			

Parts for Select Water Heaters with C3 Technology

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68608	100109200 NAT GAS BURNER ASSEMBLY 9003379005	
1	EA	68602	100109201 NAT GAS BURNER ASSEMBLY 9003380005	
1	EA	68617	100109204 NAT GAS BURNER ASSEMBLY 9003383005	
1	EA	68594	100109217 NAT GAS CONTROL VALVE 9003407005	
1	EA	68595	100109219 PROPANE GAS CONTROL VALVE 9003408005	
1	EA	68646	100109221 PIEZO IGNITOR W/BRACKET 9003410015	
1	EA	68618	100109286 200 DEG C NAT FV NAT PILOT ASSEMBLY 9003521005	
1	EA	68638	100109294 160 DEG C LP FV PILOT ASSEMBLY 9003541005	
1	EA	68603	100109316 NAT GAS BURNER ASSEMBLY 9003563005	

Parts for Residential Gas and Electric Water Heaters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75826	37C73U-170 1/2IN N.P.T. INLET NAT GAS ONLY WATER HEATER CONTROL	
1	EA	75827	37C73U-173 1/2IN N.P.T. INLET NAT GAS ONLY WATER HEATER CONTROL	
10	EA	62670	100108291 240V 4500W TR-LW ELEM 9000095015	
1	EA	62666	100108260 29IN ALUM ANODE ROD 9000029005	
1	EA	62854	100108267 24" THERMOCOUPLE KIT 9000056015	
1	EA	62855	100108279 5/8" T&P RELIEF VALVE 9000071015	
1	EA	88336	100108283 11" COPPER HEATING ELEMENT 4500W 240V 9000092015	
1	EA	62707	100108348 W/R NAT RES GAS CONTROL 9000246005	
1	EA	62733	100108352 RES W/R NAT GAS THERMOSTAT 9000248005	
1	EA	62734	100108354 W/R NAT RES GAS THERMOSTAT LS 9000249005	
10	EA	62667	100108358 120V 1650W TR-LW ELEM 9000253015	
10	EA	62668	100108406 240V 4500W INCOLOY TR-SH ELEM 9000405015	
10	EA	62735	100108421 WH-9 LOWER THERMOSTAT 240V 9000507015	
10	EA	62778	100108424 120-240 VAC WH9-6 SNGL ELEM HTR STAT W/ECO 9000509015	
10	EA	62742	100108430 WH9-6/D 240V SNGL ELEM THERMOSTAT W/COVER 9000523015	
1	EA	88430	100093838 GAS CONTROL VALVE 9000796005	
1	EA	88338	100108462 18" THERMOCOUPLE 9000876015	
1	EA	66908	100108571 42" KA90 ALUMINUM ZINC ANODE ROD 9001453005	
1	EA	62356	100108660 32IN MAGNESIUM .84 DIA ANODE ROD 9001829005	
10	EA	62747	100108683 WH10-6A 240V UPPER THERMOSTAT W/ECO 9001954015	
1	EA	62777	100108690 AIR PRESSURE SWITCH 9001976005	
1	EA	88447	100108711 HEATING ELEMENT 9002072005	
1	EA	62697	100108771 R/S 26IN COMM THERMOCPL PILOT GENERATOR 9002391005	
1	EA	62753	100108803 1 3/8IN 4500 BETTER TRLW ELECTRIC HTG ELEM 9002442015	
1	EA	62752	100108812 1 3/8IN 4500 BEST WSHTR ELECTRIC HTG ELEM 9002450015	
1	EA	88339	100108828 NATURAL GAS CONTROL VALVE 9002514005	
1	EA	62932	100108831 HOT SURFACE IGN ASSY 9002518015	
1	EA	62730	100108941 GAS CONTROL VALVE 9002832005	
1	EA	62357	100109070 R/S NAT GAS PILOT W/TUBING & ADAPT 9002984015	
1	EA	64074	100109203 BURNER ASSY KIT NATURAL GAS 9003382005	
1	EA	62375	100109206 NATURAL MAIN BURNER 9003385005	
1	EA	68096	100109216 AIR INTAKE SCREEN 9003406005	
1	EA	88341	100109243 PILOT ASSEMBLY LP 9003455005	
1	EA	88342	100109253 PILOT ASSEMBLY 170D LP 9003472005	
1	EA	62456	100109259 T&P RELIEF VALVE 9003484005	
1	EA	88453	100109261 PILOT ASSEMBLY NAT 9003488005	
1	EA	64384	100109290 180 DEG FV NAT PILOT ASSEMBLY 9003531005	
1	EA	88343	100109293 PILOT ASSEMBLY NG 9003540005	
1	EA	69461	100109295 190 DEG C NAT FV PILOT ASSEMBLY 9003542005	
1	EA	88344	100109298 PILOT ASSY 200D LP 9003544005	
1	EA	64120	100109326 BURNER ASSY KIT - NATURAL GAS 9003573005	
1	EA	62182	100109355 75 GAL HOT SURFACE IGNITOR 9003626005	
1	EA	65216	100109358 INTELLIVENT NAT GAS VALVE FOR 75XCVIT 9003629005	
1	EA	88345	100109424 INTELLIVENT NG CONTROL VALVE 9003691005	
1	EA	64855	100109446 GAS VALVE 9003739005	
1	EA	88346	100109448 T&P VALVE 9003741005	
1	EA	62383	100109462 120V 2KW ELEMENT CONVERSION KIT 9003755005	
1	EA	62384	100109473 208V 2KW ELEMENT CONVERSION KIT 9003766005	

Continued on the Following Page

Parts for Residential Gas and Electric Water Heaters (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62341	100109594 33IN ALUMINUM ANODE 9003892005	
1	EA	69972	100109624 16IN ALUM ANODE ROD 9003944005	
1	EA	64846	100109673 POWER VENT ASSEMBLY 9004027005	
1	EA	88347	100109674 NATURAL GAS CONTROL VALVE 9004028205	
1	EA	88348	100109677 NATURAL GAS CONTROL VALVE 9004049205	
1	EA	88349	100109690 NATURAL GAS THERMOSTAT 9004102205	
1	EA	88350	100109721 UPPER PROBE 9004238215	
1	EA	66047	100109724 NAT GAS VALVE FOR 40-50 XCVIT 9004240005	
1	EA	88351	100109732 CONTROL BOARD & DISPLAY PANEL 9004250205	
1	EA	62489	100109740 INTELLIVENT NATURAL GAS VALVE 9004267005	
1	EA	62397	100109777 BLOWER ASSEMBLY 9004306005	
1	EA	88442	100109781 GAS THERMOSTAT LP 9004310005	
1	EA	69974	100109783 NAT GAS CONTROL VALVE 9004312005	
1	EA	62405	100109785 BLOWER ASSEMBLY 9004316005	
1	EA	88352	100109814 2.5" GAS PRESSURE SWITCH 9004358115	
1	EA	88353	100109827 PILOT IGNITOR 9004375115	
1	EA	88354	100109859 HOT SURFACE IGNITOR 9004448105	
1	EA	88355	100109862 EXHAUST ASSEMBLY 9004453105	
1	EA	88456	100109864 BLOWER ASSEMBLY 9004456105	
1	EA	88356	100109877 LOW GAS PRESSURE SWITCH 9004475215	
1	EA	88437	100109879 IGNITION MODULE 9004477205	
1	EA	65406	100109883 HSI IGNITION CONTROL 9004487105	
1	EA	65408	100109887 IGNITION CONTROL MODULE 9004492005	
1	EA	88357	100109896 DUAL CONTROL 9004506205	
1	EA	88358	100109897 NATURAL GAS VALVE KIT 9004507205	
1	EA	62446	100109906 IGNITER ASSEMBLY 9004519205	
1	EA	62865	100109908 FLAME SENSOR 9004520215	
1	EA	62451	100109909 NAT GAS VALVE 9004521205	
1	EA	64077	100109913 NAT 24 GAS VALVE 9004527205	
1	EA	64079	100109915 PROPANE GAS VALVE 9004528205	
1	EA	64080	100109916 11B79-3 AQUASTAT DUAL LIMIT CONTROL 9004529005	
1	EA	64083	100109918 11B79-2 AQUASTAT DUAL CONTROL 9004531205	
1	EA	88359	100109920 THERMOSTAT 9004533215	
1	EA	88360	100109925 BLOCKED INLET PRESSURE SWITCH 9004540215	
1	EA	64916	100109926 NAT PILOT ASSEMBLY 9004541215	
1	EA	88361	100109928 PILOT BURNER LP 9004542215	
1	EA	64087	100109929 IID IGNITION MODULE 9004544205	
1	EA	88362	100109932 BLOCKED OUTLET SWITCH 9004547215	
1	EA	88363	100109933 BLOCKED INLET SWITCH 9004548215	
1	EA	88364	100109934 BLOCKED OUTLET SWITCH 9004549215	
1	EA	88365	100109935 FLUE SWITCH 9004550215	
1	EA	88366	100109941 HOT SURFACE IGNITOR 9004566115	
1	EA	88367	100109944 IGNITION BOARD 9004569205	
1	EA	88368	100109945 DIGITAL THERMOSTAT 9004570205	
1	EA	88369	100109948 HOT SURFACE IGNITOR 9004572205	
1	EA	88370	100109960 NATURAL GAS CONTROL VALVE 9004584205	
1	EA	88371	100109962 BLOWER PROVER SWITCH 9004586215	
1	EA	88372	100109964 BLOWER MOTOR ASSY 9004587205	
1	EA	88374	100109966 FLAME SENSOR 9004589215	
1	EA	62866	100109978 IGNITOR ASSEMBLY 9004606205	
1	EA	88375	100109984 DISPLAY BOARD 9004614205	
1	EA	88376	100110001 PRESSURE SWITCH 9004634215	
1	EA	62902	100110026 NAT T-STAT 9004703105	
1	EA	88377	100110045 1/8" PILOT TUBING W/FITTINGS 9004723115	
1	EA	88439	100110071 THERMOSTAT 9004769105	
1	EA	64121	100110073 THERMOCOUPLE 9004771115	
1	EA	88378	100110095 LCWO 120V (4600-11) W/PROBE 9004819105	
1	EA	88379	100110162 DAMPER MOTOR 24V 9004936105	
1	EA	88380	100110163 CIRCUIT BOARD 9004937105	
1	EA	64122	100110186 WR11B95-31 DUAL CONTROL 9004975105	
1	EA	62910	100110196 NAT E44576 PILOT BURNER ASSY 9004988115	
1	EA	88440	100110199 GROUND WIRE 9004991215	

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Parts for Residential Gas and Electric Water Heaters (Continued)

STD PKG	U/M	BEROR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88381	100110201 ECO CONTROL 60TV-15 9004993215	
1	EA	88382	100110218 NATURAL GAS CONTROL VALVE 9005017205	
1	EA	64355	100110233 11B06-48 WELL CONTROL 9005044205	
1	EA	62454	100110266 ANODE ROD 9005095205	
1	EA	88383	100110271 PILOT BURNER 9005105015	
1	EA	88384	100110273 INTELLIVENT NG CONTROL VALVE 9005108005	
1	EA	88385	100110275 INTELLIVENT NG CONTROL VALVE 9005110005	
1	EA	64572	100110278 GAS VALVE 9005113005	
1	EA	62911	100110355 FIELD REPLACEMENT IGNITER 9005256015	
1	EA	88386	100110413 BLOWER/SHUTTER ASSY 9005332205	
1	EA	88458	100110588 FLOW SWITCH 9005680205	
1	EA	64078	100110614 WIRING HARNESS KIT 9005725015	
1	EA	65404	100110615 AIR SENSING SWITCH 9005726215	
1	EA	88452	100110631 BLOWER ASSEMBLY 9005748205	
1	EA	63142	100110701 FLAME SENSOR 9005886215	
1	EA	64923	100110706 NAT THERMOSTAT 9005891105	
1	EA	64924	100110707 1000 ONLY FLAME SENSOR LEGEND 9005892215	
1	EA	88441	100110710 BURNER 9005895205	
1	EA	69997	100110714 3/4IN 150# T&P RELIEF VALVE 9005899205	
1	EA	88387	100110715 INLET SWITCH 9005900215	
1	EA	83845	100110724 THERMAL BALANCER 9005908205	
1	EA	88388	100110727 ECO/OUTLET CONDUIT ASSEMBLY 9005911205	
1	EA	88389	100110729 PROVER SWITCH 9005913205	
1	EA	88390	100110731 TEMP SENSOR ASSY 9005915205	
1	EA	88391	100110735 BLOWER PRESSURE SWITCH 9005920215	
1	EA	88392	100110736 BLOCKED OUTLET SWITCH 9005921215	
1	EA	88393	100110738 T&P RELIEF VALVE 9005923205	
1	EA	88394	100110739 150# 1" T&P RELIEF VALVE 9005924205	
1	EA	88395	100110742 ECO OUTLET TEMP ASSEMBLY 9005927215	
1	EA	88396	100110748 IGNITOR GASKET 9005933215	
1	EA	62459	100110753 P40-40 NATURAL GAS BURNER ASSY 9005938005	
1	EA	62460	100110754 P50-40 NAT GAS BURNER ASSY 9005939005	
1	EA	62461	100110771 HOT SURFACE IGNITER ASSY W/DOOR GASKET 9005958005	
1	EA	62885	100110774 GAS CONTROL VALVE 9005962005	
1	EA	62936	100110775 LP GAS CONTROL VALVE KIT 9005963005	
1	EA	66909	100110776 GAS VALVE 9005964005	
1	EA	83337	100110780 FLAME VAPOR SENSOR 9005968015	
1	EA	62674	100110795 HOT SURFACE IGNITER KIT 9005989205	
1	EA	88397	100110799 6" CAST BASE EIFFIKAL DAMPER 9005994105	
1	EA	88398	100110800 8" CAST BASE EIFFIKAL DAMPER 9005995105	
1	EA	88399	100110806 BLOWER PROVER SWITCH 9006002215	
1	EA	62464	100110822 NATURAL GAS BURNER ASSY 9006019015	
1	EA	64076	100110825 WIRING HARNESS KIT 9006022015	
1	EA	83336	100110832 FLAME VAPOR SENSOR & BRACKET 9006029015	
1	EA	62471	100110833 BLOWER ASSEMBLY 9006030005	
1	EA	83844	100110857 GAS VALVE 9006055205	
1	EA	88400	100110867 NATURAL GAS VALVE 9006066205	
1	EA	88444	100110884 GAS VALVE NATURAL 9006085205	
1	EA	88401	100110898 BURNER GASKET KIT 9006100205	
1	EA	64075	100110899 SHORT WIRES IGNITER 9006101205	
1	EA	88448	100110902 VIEWPORT GASKET KIT 9006103215	
1	EA	64072	100110905 FLAME SENSOR 9006106205	
1	EA	62445	100110929 BURNER ASSY NAT 9006136005	
1	EA	62355	100110936 PIEZO IGNITOR 9006143015	
1	EA	88402	100110984 PILOT ASSY NATURAL W/TUBING 9006201205	
1	EA	88403	100111002 CONVERSION KIT LP TO NG 9006222105	
1	EA	88449	100111012 ELECTRONIC CONTROL 9006235005	
1	EA	88404	100111017 DISPLAY BOARD 9006240005	
1	EA	88405	100111023 POWERED ANODE KIT LONG 9006246005	

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Parts for Residential Gas and Electric Water Heaters (Continued)

STD PKG	U/M	BEROR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88461	100111038 COMBINED CONTROLLER 9006262005	
1	EA	88445	100111039 COMBINED CONTROLLER 9006263005	
1	EA	88406	100111040 COMBINED CONTROLLER 9006264005	
1	EA	88407	100111041 COMBINED CONTROLLER 9006265005	
1	EA	88408	100111050 BLOWER ASSEMBLY 9006274005	
1	EA	88454	100111055 BURNER ASSEMBLY 9006279005	
1	EA	88409	100111056 BLOWER PROVER SWITCH 9006280015	
1	EA	88410	100111061 VENTURI GAS VALVE 9006285005	
1	EA	88450	100111064 BLOCKED INLET SWITCH 9006288015	
1	EA	88411	100111065 BLOCKED OUTLET SWITCH 9006289015	
1	EA	88412	100111122 HOT SURFACE IGNITOR ASSEMBLY 9006354005	
1	EA	88459	100111184 BLOWER ASSEMBLY 9006423005	
1	EA	88413	100111255 CENTRAL CONTROL BOARD 9006520005	
1	EA	62380	100111336 BURNER ASSY NATURAL GAS 9006620005	
1	EA	88414	100111337 BURNER DOOR ASSY NG 9006621005	
1	EA	83334	100111369 GAS VALVE NAT 9006655005	
1	EA	88415	100111371 NATURAL GAS CONTROL VALVE 9006656005	
1	EA	62755	100111372 GAS VALVE LP 9006657005	
1	EA	69973	100111380 200 SERIES NATURAL PILOT ASSY 9006666015	
1	EA	88416	100111593 SILICONE BURNER GASKET 9006909005	
1	EA	88417	100111598 GAS VALVE NATURAL 9006918005	
1	EA	88418	100111601 125# PRESSURE RELIEF VALVE 9006921005	
1	EA	88431	100111630 PRESSURE SWITCH 9006953005	
1	EA	88419	100111644 IGNITOR 9006968005	
1	EA	88420	100111708 PILOT ASSY NATURAL W/TUBING 9007094005	
1	EA	88457	100111712 PILOT ASSY W/TUBING 9007099005	
1	EA	88421	100111732 AIR PRESSURE SWITCH 9007122015	
1	EA	88446	100111744 BLOWER BURNER GASKET KIT 9007138005	
1	EA	88451	100111844 EXHAUST ELBOW ASSY 9007245005	
1	EA	88460	100111904 CONTROL BOARD 9007310005	
1	EA	88422	100111919 PILOT ASSY NATURAL 9007328015	
1	EA	62853	100111947 NATURAL GAS CONTROL VALVE 9007358005	
1	EA	88423	100112110 NATURAL GAS CONTROL VALVE 9007555005	
1	EA	62382	100112156 ISOLATION VALVE KIT PB FREE 9007604005	
1	EA	88424	100112327 THERMOPILE 9007872005	
1	EA	62374	100112330 PILOT ASSY KIT WITH TUBING 9007876005	
1	EA	62937	100112336 GAS CONTROL VALVE 9007884005	
1	EA	88463	100112337 GAS VALVE 9007885005	
1	EA	88436	100112342 BURNER ASSEMBLY 9007899005	
1	EA	88455	100112351 FINAL BURNER ASSEMBLY NATURAL 9007908005	
1	EA	88425	100112513 GAS VALVE ASSEMBLY 9008101005	
1	EA	88334	100112652 GAS CONTROL VALVE NATURAL 9008261005	
1	EA	88432	100112655 BLOWER 9008264005	
1	EA	88462	100112656 INDUCER 9008265005	
1	EA	88433	100112659 PRESSURE SWITCH 9008268015	
1	EA	88435	100112663 FV SENSOR 9008272015	
1	EA	88335	100112668 BURNER ASSY NATURAL 9008277005	
1	EA	88468	100112678 FLAME SENSOR 9008287015	
1	EA	88434	100112679 IGNITOR 9008288005	
1	EA	70006	100187864 BLOWER ASSEMBLY FOR SUF SERIES	
1	EA	70007	100187874 GAS VALVE ASSEMBLY -SUF SERIES	
1	EA	88464	100187931 FINAL BURNER ASSY 9008980005	
1	EA	88465	100093983 PILOT/THERMOPILE W/TUBING 9007877005	
1	EA	88466	100262939 GAS VALVE	
1	EA	88467	100210089 NATURAL GAS VALVE 9009175005	
1	EA	70008	100305721 20" ANODE ROD, POWERED	

Circulating Loop Connection Assembly Kits

The return loop recirculating fitting kit is used on systems that have a check valve installed in the air handler. Includes di-electrical unions and isolation valves.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62761	100108868 RETURN LOOP RECIRCULATE FITTING KIT 9002604005	

Select® 8 and Select® 10 Warranty Extension Kits

Licensed plumbing contractors can extend the limited warranty on eligible State water heaters to 8 years or 10 years by using these kits. Extended warranty kits must be installed within 30 days of intallation of the water heater.

- **Select 8 Kit and Stage I Select 10 Kit Contains:** Instructions, an extension sticker and a certificate request form.
- **Stage II Select 10 Kit Contains:** Instructions, an extension sticker, a hot water outlet secondary anode assembly and cold water nipple with the Silencer™ heat traps. Cannot be used with top T&P models (G suffix).

State Select 8 and Select 10 Stage I Extended Warranty Kits can be used with:

Stage I Gas Models				Stage I Electric Models			
GS6 30 YORT	GS6 40 YBRS	GS6 40 YRRT	GS6 30 YOCT	ES6 30 DORT	ES6 66 DORT	ES6 30 DOLS	ES6 52 DOCT
GS6 40 YBRT	GS6 50 YBRS	GS6 50 YRRT	GS6 40 YOCT	ES6 40 DORT	ES6 30 DORS	ES6 40 DOLNS	ES6 66 DOCT
GS6 50 YBRT		GS6 50 YRRT 5	GS6 50 YOCT	ES6 52 DORT	ES6 40 DORS	ES6 50 DOLS	ES6 50 DOCS
GS6 30 YBRS		GS6 65 YRRT		ES6 55 DORT	ES6 50 DORS	ES6 40 DOCT	ES6 40 DOLBS

State Select 10 Stage II Extended Warranty Kits can be used with:

Stage II Gas Models and Power Vent Models				Stage II Electric Models		
GS6 40 YBDS	GS6 40 YBVIT	GS6 50 YRPDT5	GS6-50-YRVHS-L	ES6 80 DOCT	ES6 80 DORT	ES6-120 DORT
GS6 50 YBDS	GS6 50 YBVIT	GS6 75 YRPDT	GS6-40-YBVIS			
GS6 50 YRDS	GS6 40 YBVIT2	GS6 40 YBFT	GS6-40-YRVIT			
GS6 75 YRDS	GS6 50 YBVIT2	GS6 50 YBFT	GS6-50-YBVIS			
	GS6 40 YRVIT	GS6 50 YRFT5	GS6-50-YRVIT			
	GS6 50 YRVIT	GS6 40 YBFS	GS6-75-YRVHT-L			
	GS6 50 YRVIT5	GS6 50 YBFS	GS6-40-HBVIS			
	GS6 40 YBPDT		GS6-50-HBVIS			
	GS6 50 YBPDT		GS6-75-HRVHT-L			

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62762	100109796 STATE SELECT 8 WARRANTY EXT KIT 9004328005	
1	EA	62721	100109798 STATE SELECT 10 STAGE I WARRANTY EXT KIT 9004329005	
1	EA	62722	100111229 STATE SELECT 10 STAGE II WARRANTY EXT KIT 9006480005	

Aqua Plus Water Heaters



- 316L stainless steel tank welded with "TIG and Plasma" technology coil tank
- Temperature and pressure relief valve standard equipment
- Thermostat connections including boiler supply and return, domestic water and domestic recirculation are on the side of the tank
- Magnesium anode installed in all tanks
- Inspection port on every tank located near the bottom of the tank.
- Exceptional "R Value" with 2" of dense foam insulation
- Adjustable feet for uneven floors
- AHRI Certified

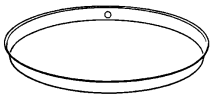
Model No.	200° F Boiler Water			190° F Boiler Water			180° F Boiler Water		
	Boiler Out (MBH)	115° F DHW (GPH)	140° F DHW (GPH)	Boiler Out (MBH)	115° F DHW (GPH)	140° F DHW (GPH)	Boiler Out (MBH)	115° F DHW (GPH)	140° F DHW (GPH)
35	170	337	223	170	311	202	150	284	181
45	190	363	243	170	335	222	150	307	200
55	210	443	302	190	411	278	190	378	252
85	300	551	374	250	511	343	250	470	310
105	350	715	483	350	662	442	300	608	400

Model No.	35	45	55	85	105
DHW Side Storage (gal)	29.6	39.9	53.1	80.6	109.4
Boiler Side Storage (gal)	1.6	1.9	2.2	2.5	3.5
Recommended Flow Rates (GPM)	8	8	8	14	14
Head Loss-Boiler Side (ft)	2.0	3.3	1.6	5.4	7.1
Working Pressure - Tank (psi)	150 (Maximum)				
Working Pressure - Coil (psi)	145 (Maximum)				
DHW Operating Temp (F)	160*			180	
Approx. Shipping Weight	94	111	122	223	238

* Optional 180° F thermostat available.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68049	AQUA PLUS - 35 WATER HEATER	—
1	EA	68050	AQUA PLUS - 45 WATER HEATER	—
1	EA	68051	AQUA PLUS - 55 WATER HEATER	—
1	EA	68053	AQUA PLUS - 85 WATER HEATER	—
1	EA	68054	AQUA PLUS - 105 WATER HEATER	—

Water Heater Accessories


WHP Plastic Drain Pan


6-M24 Aluminum Drain Pan


Water Heater Connector


Di-electric Union


Water Heater Stand

WHP Plastic Water Heater Drain Pan

Round, black, high-impact plastic pan protects floors and ceilings from water damage. Top O.D. 30", bottom diameter 24", and 1" drain hole with gasket.

6-M24 Aluminum Water Heater Drain Pan

Aluminum water heater pans can be installed under gas or electric water heater. Includes a 1" PVC drain fitting for connection to indirect drain. 24" dia x 2.5" deep.

Direct Coupling Water Heater Connector

- 1-piece, leakproof, water heater connector.
- Length: 18" or 24".

Di-electric Union

Di-electric unions help prevent electrolysis between iron and copper for longer water heater life. Female iron pipe to sweat copper.

Water Heater Stand

- Meets new safety codes.
- 21" square platform. 18" high.
- 18 gauge spangled galvanized steel.
- Accommodates up to 50 gallon water heater.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	13383	WHP-24-5 24 IN PLAS WATER HEATER PAN		
6	EA	68919	6-M24 24IN ALUM WATER HEATER PAN		
25	EA	53320	W034SS101018 3/4"FIPX3/4"FIPX18" WATER HEATER CONNECTOR		
25	EA	53321	W034SS101024 3/4"FIPX3/4"FIPX24" WATER HEATER CONNECTOR		
1	EA	52711	301-103NL 1/2IN T571 GALVANIZED DI-ELECTIC UNION		
144	EA	52712	301-104NL 3/4IN T571 GALVANIZED DI-ELECTRIC UNION		
120	EA	52713	301-105NL 1IN T571 GALVANIZED DI-ELECTRIC UNION		
48	EA	52714	301-106NL 1-1/4IN T571 GALVANIZED DI-ELECTRIC UNION		
48	EA	52715	301-107NL 1-1/2IN T571 GALVANIZED DI-ELECTRIC UNION		
24	EA	52716	301-108NL 2IN T-571 DIELECTRIC UNION		
1	EA	53462	SWT T-571 1 1/4IN GALVANIZED DI-ELECTRIC UNION		
1	EA	63030	34057 21"X21" 18"H WATER HEATER STAND		

Streamline® Pipe Adaptors

A BRAND OF MUELLER INDUSTRIES

For Residential Electric Water Heaters

Copper to Male Pipe Adapters — **Prices Available on Request**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 10 CTNS
25	EA	54209	WC401 7/8 OD X 3/4 MPT ADAPTER			

Copper to Female Pipe Adapters — **Prices Available on Request**

25	EA	54193	WC402 7/8 OD X 3/4 FPT ADAPTER			

GRUNDFOS

Hot Water Recirculation Comfort Pump

Retrofit



The Comfort Pump provides instant hot water at the point-of-use. The Comfort Valve is installed at the furthest fixture from the hot water tank. With a built-in timer the pump allows hot water to circulate along the loop through the valve using using the cold water side as a return line. As the temperature rises to 100 degrees the valve closes, directing hot water to the tap, resulting in a constant supply of hot water.

- No return line required
- True retrofit design

Pump Technical Data

- Flow Range: 0 to 3.4 U.S. GPM
- Head Range: 0 to 3.5 U.S. Feet
- Motor: Single Phase, 115V
- Min. Fluid Temperature: 36° F
- Max. Fluid Temperature: 150° F
- Max. Working Pressure: 145 PSI

Valve Technical Data

- Patented technology
- Integral check valve
- Connection: 10 ft. cord and 115V plug.
- Timer: 24-Hr., 3-position, 15-min. intervals.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66305	UP15-10SU7P-TLC INSTANT HOT WTR RECIRCULATION PUMP W/VALVE	
15	EA	66304	595926 COMFORT VALVE	

GRUNDFOS

Hot Water Recirculation Comfort Pump

New Construction



The Comfort System recirculation pump delivers instantaneous hot water to the point-of-use. Return line required.

Pump Data

- Flow Range: 0 to 3 U.S. GPM
- Head Range: 0 to 5.4 U.S. Feet
- Motor: Single Phase, 115V
- Min. Fluid Temperature: 36° F
- Max. Fluid Temperature: 203° F*
- Max. Working Pressure: 145 PSI

Electrical Connection

- 5 ft. cord with 115 V plug
- Green light on pump signals Power On

Pump Controls

- 24-hour AM/PM timer with 20 minute intervals.
- Aquastat Range*: 95° to 150° F

* For open systems, 140° F is the max. temp. to avoid precipitation of calcium in water.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66316	UP10-16BN5 ATLC INSTANT HOT WTR RECIRCULATION PUMP	

FLEXCON INDUSTRIES

PH Series Thermo Expansion Tanks

for Potable Hot Water Heaters



- Designed to maintain safe pressures in domestic water heating systems that utilize a backflow preventer or check valve.
- Meets code for hot water heaters used with Apollo systems to prevent relief valve discharge on every heating cycle.
- 5-year limited warranty.

Model No.	Capacity Gallons	Maximum Acceptance Volume	System Connection	Dimensions (In.)		Weight (Lbs.)
				Diameter	Height	
PH-5	2.1	1.0 gallon	3/4" MNPT	8.0	11.6	5.0
PH-12	4.8	2.4	3/4" MNPT	11.0	14.5	10.0

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62931	PH-5 2.1 GALLON CAPACITY EXPANSION TANK	
1	EA	62930	PH-12 4.8 GALLON CAPACITY EXPANSION TANK	

Honeywell AMX101 Thermostatic Mixing Valve

DirectConnect™ Model



- Engineered for fast installation. The orientation of the mix and cold ports eliminates the need for elbows on water heater installations.
- Reduces installation time and number of parts by half.
- Adjustable temperature range: 90° to 130°F
- Easy recirculation; integrated NPT port allows for optional recirculation.
- DirectConnect™ to water heater —NPT bottom connection attaches easily.
- Built-in check valve prevents reverse flow of hot water through the cold port.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	69010	AMX101-US-1LF/U 3/4" SWEAT DIRECTCONNECT VALVE	

Honeywell AMX101 Thermostatic Mixing Valve



- Designed to prevent scalding; meets multiple industry safety certification: ASSE 1016 and 1017, CSA and IAPMO.
- Designed to increase the amount of usable hot water by up to 50%.
- Allows homeowners to store water at 140° F to prevent Legionella growth, but receive safe, comfortable water at sinks, shower or tub.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	69019	AM101-US-1/U 3/4" SWEAT THERMOSTATIC MIXING VALVE	

Honeywell AMX300 Thermostatic Mixing Valve Kit



- Kit includes mixing valve, cold water tee, 8" metal connector and thermostrip.
- Easy installation on water heaters
- Commonly used for scalding protection and more usable hot water
- ASSE 1017 approved for point of source/whole house protection
- Teflon® coating extends service valve
- Integrated recirculation, hot and cold water ports

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	69034	AMX300T/U DIRECT CONNECT WATER HEATER KIT 3/4 INCH	
1	EA	69035	AMX300/U 3/4 INCH ASSE 1017 MIXING VAVLE ONLY FOR AMX300T	

CALEFFI Hydronic Solutions 521 MixCal™ Thermostatic Mixing Valves



- Adjustable thermostatic mixing valve for point of distribution in domestic water systems and radiant hydronic heating systems
- Low-lead brass body
- Locking set point knob
- Max. Working Pressure: 200 psi
- Max. Inlet Temperature: 200° F
- Adjustable Range: 85–150° F
- Min. Flow for Optimum Performance: 1.0 gpm
- Gauge Scale: 30–210° F
- Gauge Dial: 2" diameter

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95296	521519A 3/4" SWT 3WAY THRM MIX VALVE W/ PROBE	
1	EA	95297	521619A 1" SWT 3WAY THERM MIX VALVE W/ PROBE	

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ESP15 Standby Sump Pump

12 Volt Battery Backup System



- Fully submersible
- Maximum Flow: 1750 GPH
- Flow at 10' of Discharge Lift: 720 GPH

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95605	ESP15/57609-WYN1 12V STANDBY SUMP PUMP	

441 Standby Sump Pump

12V Battery Operated



Features

- Automatic start-up
- Advanced 5-stage charging system
- Audible in-use alarm and light
- Works with marine-type deep-cycle batteries (Not included with system; type M27 reccomended)

Specifications

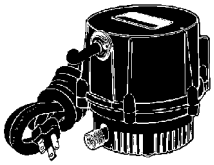
- Input: 120Vac, 0.19Aac, 60Hz
- Output: 12Vdc, 900mA
- Safety Time: 150 hours

Includes

- Battery box and strap (battery not included)
- 12 volt charger
- Tee, check valve and bushing for 1-1/2" or 1-1/4" connections

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95558	441 12 VOLT EMERGENCY SUMP PUMP SYSTEM	

NK-1 Small Submersible Pump



Designed to operate when the pump is totally submerged in fluid. It is hermetically sealed and filled with a special oil that provides lifetime lubrication and rapid dissipation of heat.

Unit features a sump-type pick up, smooth intake, 1/4" MNPT, discharge, cast aluminum housing with protective epoxy coating, 6' power cord with 3-prong molded plug, and is impedance protected.

NK-1 is designed for use in mild acids, alkalies, hard water applications, and where copper and fluid are in contact.

GPH 1 Ft	GPH 3 Ft	GPH 5 Ft	Shut-Off	PSI	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
210	180	150	10.2	4.4	6	EA	95543	NK-1 SUBMERSIBLE PUMP	

BSPF33 Submersible Sump Pump



- 1/3 HP thermoplastic
- Reliable, reinforced thermoplastic volute
- Stainless steel fasteners
- Vertical float switch
- Reinforced poly-carbonate impeller
- Oil-filled motor prevents overheating
- Top suction screen filters debris
- High capacity 1-1/2" NPT discharge
- Will replace most submersible sumps
- 11" or wider sump basins

	Discharge Head		
5 Ft	10 Ft	15 Ft	20 Ft
55 GPM	42 GPM	23 GPM	2 GPM

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95607	BSPF33 1/3 HP VERTICAL FLOAT SUMP PUMP	

240 Series Submersible Sump Pump



Features

- Rugged 1/4 HP motor, oil-filled, with thermal overload protection
- Hermetically sealed motor and swtich cavities, and permanently lubricated bearings
- Liberty's uni-body casting is a solid, one-piece housing that eliminates the lower motor seal ring found on other pumps
- Inegral, mid-mounted "peripheral-port" inlets eliminate bottom suction of debris
- Stainless steel volute intake plate is internally mounted and will not corrode.
- 8 vane, glass reinforced thermoplastic impeller features a no-clog design

Specifications

- 1/4 HP, 115V, 6.0 amps, 60 Hz, 3400 RPM
- Weight: 21 Lbs
- Height: 10"
- Major Width: 9.0"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95555	247 1/4 HP SUMP PUMP	

250 & 280 Series Sump/Effluent Pumps



250 Series



280 Series

Features

- 1-1/2" discharge
- Permanently lubricated bearings
- Epoxy powder coat finish
- Vortex styler impeller for superior solids handling
- Fasteners made of all non-corrosive stainless steel
  Thermally protected
  Maximum Fluid Temperature: 140° F

250 Series

- 1/3 HP, 115V, 5.2 amps, 60Hz
- Weight: 20 LBS
- Height: 10.5"
- Major Width: 9.6"

280 Series

- 1/2HP, 60Hz, 3450 RPM
- Weight: 29 Lbs
- Height: 13"
- Major Width: 10"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95556	257 1/3 HP SUMP PUMP	
1	EA	95557	287 1/2 HP SUMP PUMP	

BCAPSE50 Submersible Sewage Pump



- Oil-filled, thermally protected motor prevents overheating
- 2" NPT discharge capable of handling 2" solids
- Lower ball bearing for quiet operation and long life

Discharge Head	5 Ft	10 Ft.	15 Ft.
	5400 GPH	3540 GPH	600 GPH

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95552	BCAPSE40 4/10 HP SEWAGE PUMP	

Group 11 Oil Burner Parts and Accessories

Group 11 Oil Burner Parts and Accessories

Suntec Pumps..... 11 - 1
Oil Burners..... 11 - 1
Oil Burner Supplies..... 11 - 2
Honeywell Oil Burner Controls..... 11 - 8

Pumps Replacement Parts

For J and H Series Pumps



110441



131071

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77129	131071-HK (100319-HK) SEAL ASSY W/GASKET	
1	PKG	77172	110441 SUNTEC GASKET - 12/PKG	

A-7100 Series Pumps and Replacement Parts

Pumps Replaces all " J" Series Pumps



A	2	V	A	71	16
A = Single-Stage B = Two-Stage	Speed 1 = 1725 rpm 2 = 3450 rpm	Strainer Capacity V = 3 gph Y = 7 gph T = 16 gph G = 25 gph	Rotation & Nozzle Location A = RH-RH B = RH-LH C = LH-LH D = LH - RH	Model Features *71 = 3 gph, diaphragm valve, lip seal, positive drive 79 = 7 gph, diaphragm valve, lip seal	ID Number (See chart below)

ID Number				
No.	**Rot.**	**Nozzle Loc.**	**Mount Type**	**Speed**
12	RH	RH	Flange	1725
13	RH	LH	Flange	1725
16	RH	RH	Flange	3450
17	RH	LH	Flange	3450
18	LH	LH	Flange	3450

* The 71 models are designed to replace the 70 models having the same ID number.

1725 RPM, 2-Bolt, Flange, Single-Stage Pump

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77077	A1YA-7912 CW-R SUNTEC PUMP NEW	

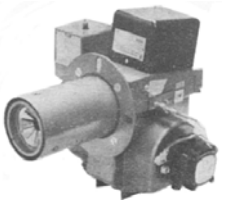
3450 RPM, 2 Bolt, Flange, 2-Stage Pump

1	EA	77069	A2VA-7116 CW-R SUNTEC PUMP NEW	

Pump Replacement Parts

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
J & H Series Pumps	1	EA	77126	3779071 1/16 IN SUNTEC BYPASS PLUG	
A Series Pumps	1	PKG	77168	3779801 SUNTEC GASKET	

Blue Angel HS Oil Burners



Burns No. 1 or 2 Heating Oil
Nozzle Range: .50 to 3.00 GHP
BTU Input: 70,000 to 300,000 BTU

HS Oil Burners

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61901	300-711C 6IN HS OIL BURNER	
1	EA	61902	300-713C 9IN HS OIL BURNER	

Parts and Accessories

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
HS	1	SET	61907	21684 2/SET ELECTRODE ASSEMBLY	
HS	1	EA	61908	100989-061 MODEL HS ELECTRODE ASSEMBLY	
OAE, EH, and FH	1	EA	61962	12550 ELECTRODE STEM & WASHER	
OAE, EH, and FH	1	EA	61963	23101-E 115/60 TRANSFORMER PKG	
OAE, EH, and FH	1	EA	61966	20442 1/2 HP 3450 RPM MOTOR	

HAGO PRECISION OIL BURNER NOZZLES

Oil Nozzle Adapters & Box



Adapters

Length (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	2	EA	51458	1/4 IN SHORT ADAPTER	
2	3	EA	51455	1/4 IN LONG ADAPTER	
1	1	EA	51457	1/8 IN SHORT ADAPTER	
1-3/8	5	EA	51460	1/8 IN STANDARD ADAPTER	

Nozzle Box

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	51031	96-NOZZLE BOX	

HAGO PRECISION OIL BURNER NOZZLES

"B" Solid Cone Nozzles, Black Cap

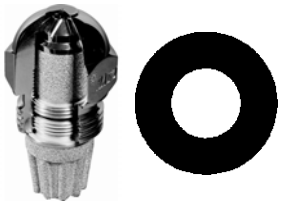


For Armstrong furnaces. These nozzles are designed to give optimum combustion efficiency on high static pressure flame retention burners that specify a "B" pattern. Somewhat more fuel is concentrated towards the center of the spray.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-23	PC-3 24-99	PC-4 100
12	EA	51390	.65-80 DEG B NOZZLE				
12	EA	51391	.75-80 DEG B NOZZLE				
12	EA	51392	.85-80 DEG B NOZZLE				
12	EA	51393	1.00-80 DEG B NOZZLE				

HAGO PRECISION OIL BURNER NOZZLES

"SS" Semi-Solid Cone Nozzles, Blue Cap

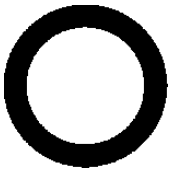


"SS" nozzles are suitable for most general applications where exact air pattern or spray pattern requirements can't be established. Droplet distribution is relatively even across spray cone in smaller flow rates, but becomes more hollow as flow rate increases. Semi-solid cones produce a finer oil break-up than a solid cone.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-23	PC-3 24-99	PC-4 100
12	EA	51082	.65-60 DEG SS NOZZLE				
12	EA	51086	.75-60 DEG SS NOZZLE				
12	EA	51088	.75-80 DEG SS NOZZLE				
12	EA	51093	.85-80 DEG SS NOZZLE				
12	EA	51109	1.25-80 DEG SS NOZZLE				
12	EA	51120	1.50-80 DEG SS NOZZLE				
12	EA	51168	3.00-60 DEG SS NOZZLE				
12	EA	51221	6.00-45 DEG SS NOZZLE				

HAGO PRECISION OIL BURNER NOZZLES

"H" Hollow Cone Nozzles, Red Caps

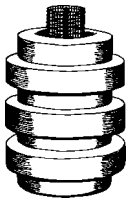


Produces very fine and uniform atomization with a sharp maintained spray pattern breaking right at the orifice. Has extremely hollow center.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-23	PC-3 24-99	PC-4 100
12	EA	51266	.65-80 DEG HC NOZZLE				
12	EA	51269	.75-70 DEG HC NOZZLE				
12	EA	51270	.75-80 DEG HC NOZZLE				
12	EA	51272	.85-70 DEG HC NOZZLE				
12	EA	51273	.85-80 DEG HC NOZZLE				
12	EA	51274	.85-90 DEG HC NOZZLE				
12	EA	51279	1.00-80 DEG HC NOZZLE				
12	EA	51280	1.00-90 DEG HC NOZZLE				
12	EA	51288	1.20-60 DEG HC NOZZLE				
12	EA	51293	1.25-70 DEG HC NOZZLE				
12	EA	51294	1.25-80 DEG HC NOZZLE				
12	EA	51323	2.00-60 DEG HC NOZZLE				
12	EA	51384	.60-90 DEG HC NOZZLE				
5	EA	51561	.75-90 DEG HC NOZZLE				

W P

Oil Cartridges



For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 4 CTNS
Fulflo	12	EA	50521	P4FO-1B FELT OIL CARTRIDGE (FULFLO)			
General	36	EA	50601	AO25 OIL CARTRIDGE (USE W/1A-25A)			
General	12	EA	50603	AO30 OIL CARTRIDGE (GENERAL)			
General	12	EA	50605	AO70 OIL CARTRIDGE (GEN)(USE W/2A-700A)			

GENERALAire

Oil Filters



For Use With	STD PLG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 4 CTNS
General	12	EA	50600	1A-25B 3/8IN 10GPH FIRING RATE @ 10 MICRONS 12PST FUEL OIL FILTER			

Transformers and Mounting Plates



LAUV



LA4V



1092-F



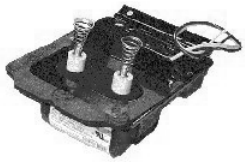
85EY-2



10SAY



421BT



51771U



MP-SAY-03 & 04

LAUV Universal Replacement Ignition Transformer

- U.L. Listed
- 3 sets of fixed high voltage terminals
- Completely enclosed junction box with multiple knockouts
- Flexible mounting plate included
- Accessory package included

LA4V Universal Replacement Transformer

- 120V 60 Hz Primary 23mA 240VA
- 240V 60 Hz Primary 23 mA 240VA (Special Order)
- 10,000 V Secondary

1092-F Heavy Duty Industrial Transformer

- 120 Vac 60 Hz Primary
- 6000V 20mA 165 VA Secondary

85EY-2 Heavy Duty Industrial Transformer

- 120 V 60 Hz
- 8500V Secondary
- 23MA 210VA

10SAY Electronic Oil Igniter Kit

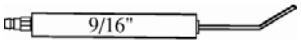
- UL and CSA Recognized
- 6kV RMS, 240kVP Spark
- 35mA Output Current
- Secondary Midpoint Ground

421BT

- 120 V 60 Hz
- 10,000 V secondary
- 23mA

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75898	LAUV MULTI POSITION TRANSFORMER	
1	EA	75904	LA4V 120V TRANSFORMER	
1	EA	75908	1092-F 120 VOLT TRANSFORMER	
1	EA	75896	85EY-2 TRANSFORMER	
1	EA	75906	421BT-384 120V TRANSFORMER	
1	EA	75907	421BT-636 MULTI POSITION TRANSFORMER	
1	EA	75902	10-SAY-KIT IGNITER TOOL BOX	
1	EA	75895	51838U IGNITOR ONLY	
1	EA	61427	51771U IGNITER ASSEMBLY	
1	EA	75899	MP-SAY-03 WAYNE M BASE PLATE ONLY	
1	EA	75900	51830U BECKETT A BASE PLATE ONLY	

Standard Electrodes



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PR	51871	2M4 4" X 9/16 DIA ELECTRODE	
1	PR	51873	2M5 5" X 9/16 DIA ELECTRODE	

Electrode Cross Reference Chart

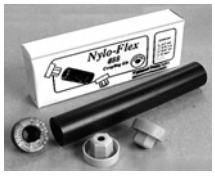
Westwood to Steinen and Dielectric

Westwood		Steinen	Dielectric
Bercor No.	Model	Mfg.	Mfg.
51871	2M4 Electrode	E 30 4 Electrode	2B4 Electrode
51873	2M5 Electrode	E 30 5 Electrode	2B5 Electrode

Ignition Parts



Cable



Coupling



Electrode Gage

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
100	FT	52211	E60-100 GTO-15 ELECTRODE CABLE	
10	EA	50871	S85-500 #88 CARDED COUPLING	
1	EA	51037	IGNITOR GAGE ELECTRODE TIP SETTING GAGE	

DIVERSITECH Spill Kill Powder



HP-SKDP-20

Absorbs and Deodorizes Fuel Oil

A one-step liquid absorbent and deodorant with a convenient shaker top. Multi-functional Spill Kill absorbs and deodorizes fuel oil and other liquid spills. The unique granular formula soaks up liquids and entraps odors much faster than dusty powders. The quick-absorbing action minimizes the slip hazards associated with liquid spills.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	55051	HP-SKDP-20 SPILL KILL POWDER		

RECTORSEAL Oil Burner Service Chemicals



Sootmagic



Odorgon

Odorgon™ Powder

- Kills odors and absorbs oil from concrete and other floors.
- Handy for cleaning up after spills and oil leaks.
- Leaves a pleasant odor after absorbing spills.
- Sifter top for controlled economical usage and clean storage.
- Non-explosive, non-flammable and safe.



Sootmaster

Sootmaster™ Powder

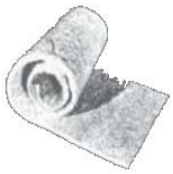
- Removes soot from oil and gas-fired burners.
- Works both by catalysis and supplying extra oxygen.
- Applied by scattering or dusting surface with a sprayer.
- Contains no lead.

Sootmagic™ The Original Soot Stick

- Destroys soot quickly by catalytic low temperature ignition.
- Residual soot removal coating works even after stick is consumed.
- Fits through all combustion chamber openings.
- Non-corrosive, non-explosive and no lead.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	55036	68512 1LB ODORGON POWDER		
12	EA	55038	68322 1LB SOOTMASTER POWDER		
48	EA	55039	68332 1/4LB STICK SOOTMAGIC		

Wet Combustion Chamber Liner



For lining burned-out combustion chambers of domestic furnaces. No clips, cement, bands or sealers are necessary. Fast, easy installation; normally takes about 30 minutes. This chamber liner heats up red-hot in seconds, reduces carbon build-up and gives noticeably improved efficiency. The sound-absorbing qualities of refractory-fiber permits quieter burner operation. No heavy chamber to remove; liner can fit inside old chamber.

Westwood preshaped liners are seamless and come complete with a bottom. They are pliable, yet able to stand alone in a vertical chamber without need for support.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	53846	#3 16X48 AND 16X16 CHAMBER FLAT SHEET KIT	

RECTORSEAL Pyroseal™ Furnace Cement

High Temperature



- Smooth, creamy, easy-spreading furnace and retort cement that sticks where applied.
- For high temperature sealing and bonding.
- Shrink-proof and crack-proof.
- Use in combustion chambers and for sealing doors and flue pipes.
- Contains no asbestos or OSHA restricted fibers.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	55040	68612 1.5LB PYROSEAL	

Furnace Cement

High Temperature



A ready to use, premixed, air setting, high temperature refractory and retort cement for mortar facing, caulking or coating. Contains no oils, no asbestos, and no silicon dioxide. Smooth consistency allows for easy application. Use to seal and repair boilers, furnaces, fireboxes, flue pipes, stoves, ducts, kilns, chimneys, combustion chambers, and more. The Heavy Body formulation is a firm consistency, dark gray cement.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	50835	35521 1/2 GALLON HEAVY BODY GRAY FURNACE CEMENT		

Honeywell C554A Cadmium Sulfide Flame Detector



Photoconductive flame sensing device for sequencing oil burner systems. On flame failure, the light sensitive cadmium sulfide cell, in conjunction with flame sensing circuitry, causes the Protectorelay control to shut down the main oil burner. Glass-to-metal hermetic seal in plug-in cell prevents deterioration by humidity, soot, or oil fumes. NEC class 1 leadwires.
Use With: Protectorelay oil and primary controls such as R4166, R4184, R8182, R8184, R8185, and R8404.

Maximum Ambient Temperature: 140° F at cell.
Lead Length: 60 in.
Construction: 2-piece model; cell plugs in.
Bracket: mounting brackets included.
U.L. Listed.
Replacement Parts:
120320 Replacement Cad Cell. 7.5 mA min. sensitivity at 2 ft. candles.
130367 Replacement Cad Cell. 12.mA min. sensitivity at 2 ft. candles.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	EA	70197	C554A1463/U CAD CELL		

Honeywell R8184G Protectorelay Oil Burner Controls



R8184G provides automatic, nonrecycling control of an intermittent ignition oil burner system. Requires a C554A Cadmium Sulfide Flame Detector and a 24V thermostat. Controls oil burner, oil valve, and the ignition transformer in response to a call for heat. Solid state flame sensing circuit. External button to manually reset safety switch after safety shutdown. Mounts on standard 4" x 4" junction box.

Electrical Ratings (Amperes)

	120 Vac	240 Vac
Full Load	7.4	3.7
Locked Rotor	44.4	22.2

Ambient Temperature Range: -40 to 130° F.
Approximate Dimensions: 4-3/8" H x 4-1/8" W x 2-1/2" D.
Voltage and Frequency: 120V, 60 Hz.
U.L. Component Recognized.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	72506	R8184G4009/U OIL PROTECTORELAY	

Honeywell RA116A and RA117A Protectorelay Controls



Stack-mounted, oil burner primary controls that cycle burner on and shutdown the burner on flame loss or system malfunction. Senses temperature change of flue gases with Pyrostat flame detector. Manual reset of safety switch required after ignition failure completely shuts off main burner. Includes a manual trip safety switch to assure burner shutdown during servicing. Flange included for mounting on curved or flat surfaces.
Voltage and Frequency: 120 V, 60 Hz.
Safety Switch Timing: 70 second, approximately.

Electrical Ratings

Motor Load (A)	110V, 50 Hz. 120V, 60 Hz.	220V, 50 Hz. 240V, 60 Hz.
Full Load	7.4	3.7
Locked Rotor	44.4	22.2

Thermostat Anticipator Setting (24 V models): 0.4A.
Adjustable Element Insertion Length: 3-1/2" to 5-1/2".
Approximate Dimensions: 5-7/8" H x 5-3/16" W x 3-3/16" D.
Maximum Ambient Temperature: 104° F.
U.L. Listed.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	74955	RA116A1055/U PROTECTORELAY		
10	EA	74956	RA117A1047/U PROTECTORELAY		

Honeywell R7284 Oil Primary Control



The R7284 oil primary is a digital, universal primary control, with 2 line LED displays. Its parameters are user defined and provide detailed actionable diagnostics.

- Approximate Dimensions: 4-5/32" D x 4-11/32" W x 2-1/2" H
- Temperature Range: -40° F to +147° F
- Electrical Rating (Full Load): 7.4 @ 120 Vac; 3.7 @ 240 Vac
- Electrical Rating (Locked Rotor): 44.4 @ 120 Vac; 22.2 @ 240 Vac
- Timing, Safety Switch: Settable 15, 30, or 45 Sec.
- UL component recognized

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	72508	R7284U1004/U ELECTRONIC OIL PRIMARY	

Honeywell V4046A, B Magnetic Valves



For On-Off control of oil flow to domestic oil burner equipment. Power interruption will close the valve immediately. Mounts directly in pipe line or on support bracket. V4046A 1074 operates with integral thermistor to delay valve opening 3 to 8 seconds to allow burner fan to reach operating speed before discharging oil. V4046B 1007 provides positive control of oil flow and opens immediately when energized.
Valve Pattern: Straight-through.
Power Consumption: 8 watt maximum.

Approximate Dimensions:
2-3/4" H x 1-5/8" W x 2-5/8" D.
Wiring Connections: Two 36" lead-wires.
Ambient Temperature Range: 32 to 115° F.
Maximum Fluid Temperature: 125° F.
Oil Weight: No heavier than No. 2.
U.L. Listed.
Factory Mutual Approved.

Model No.	Oil Flow Capacity		Voltage (60 Hz.)	Coil Ratings		Operation Pressure		Orifice Dia. (In.)
	gph	l/s		120V	240v	PSI	kPa	
V4046A 1074	5 to 35	0.005 to 0.04	120	13.8	–	150-300	1034-2068	0.078
V4046B 1007	5 to 35	0.005 to 0.04	120	13.8	13.7	150	1034	0.078

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	73581	V4046A 1074 OIL VALVE 1/8 NPT	
20	EA	73583	V4046B 1007 OIL VALVE 1/8 NPT	

Group 12 Tools

Group 12 Tools

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M18 Fuel, M12 Fuel and M12 Series Cordless Lithium-Ion Tools

- **M18 Fuel & M12 Fuel** deliver unrivaled performance in a compact structure and feature three Milwaukee exclusive innovations—the Powerstate Brushless Motor, RedLithium Battery Pack, and RedLink Plus Intelligence Hardware and Software—that deliver unmatched power, run-time and durability.
- **The M12** cordless system delivers industry leading durability and power in a size that outperforms the competition in the tightest places. M12 defines cordless tool innovation, transforming inefficient manual tools into advanced workhorses powered by Milwaukee's RedLithium battery technology.

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Driver Drills



2404-22 M12
Hammer Drill/Driver



2402-22 M12
2-Speed Screwdriver



2453-22 M12
Hex Impact Driver Kit



2401-22 M12
Sub-Compact Driver

Shears



2470-21 M12
PVC Shear

Saws and Saw Blades



2635-22 M18
Shear Kit



2520-21XC M12
Hackzall

Tubing Tools



2471-21 M12
Tubing Cutter Kit



2432-22 M12
Propex Expansion Tool Kit

Miscellaneous Tools



2335-20 M18
Tool Holster

Tools/Electrical



2311-21 M12
Multimedia Camera



2313-21 M12
M-Spector 360 Camera



2361-20 M18
LED Flood Light



49-24-0146 M12
Work Light



2592-20 M12
Jobsite Wireless Speaker



2792-20 M18
Radio/Charger

M12 Fuel 2404 1/2" Hammer Drill/Driver Kit



- Lightweight, versatile, hammer drill/driver delivers long motor life, superior runtime, and power under load.
- Powerstate brushless motor provides constant power yet still runs cool and quiet, with no wearable components.
- Peak Torque: 350 in.-lbs.
- 5 year warranty
- BPM: 0–25,500
- Speed: 0–450 / 0–1,700 RPM
- On-board fuel gauge
- Includes: M12 red lithium 2.0 compact battery pack (2), M12 red lithium XC 4.0 extended capacity battery pack, M12 lithium ion battery charger, belt clip, and carrying case.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81137	2404-22 M12 FUEL 1/2 IN HAMMER DRILL/DRIVER KIT	—

M12 Fuel 2402 1/4" Hex 2-Speed Screwdriver Kit



- Power and productivity in a compact size
- Powerstate brushless motor provides constant power yet still runs cool and quiet with no wearable components
- LED light
- Peak Torque: 325 in.-lbs.
- Speed: 0–450 / 0–1,700 RPM
- 1/4" quick-change hex
- Trigger lock
- On-board fuel gauge
- Includes: M12 red lithium 2.0 compact battery pack (2), M12 lithium ion battery charger, belt clip, and hard carrying case.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81141	2402-22 M12 FUEL 1/4 IN HEX 2 SPEED SCREWDRIVER KIT	—

M12 Fuel 2453 1/4" Hex Impact Driver Kit



- Red lithium 2.0 compact battery delivers up to 20% more power and 2x more recharges than standard lithium-ion battery
- Built-in LED light
- Speed: 0-2,650 RPM
- On-board fuel gauge
- 5 year warranty
- Peak Torque: 1,200 in.-lbs.
- Drive Control: 2 fastening modes provide variable power and speed for precision work and heavy-duty application
- Includes: M12 red lithium 2.0 compact battery pack (2), M12 lithium ion battery charger, and carrying case

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81135	2453-22 M12 FUEL 1/4 IN HEX IMPACT DRIVER KIT	—

M12 2401 1/4" Sub-Compact Driver



- Speed: 0–500 RPM
- Torque: 175 in.-lbs.
- On-board fuel gauge
- LED light
- 1/4" quick-change hex
- Includes: 12V lithium-ion driver, (2) 12V li-ion batteries, 30 minute charger, soft case, #2 phillips bit and slotted bit.
- 5 year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80542	2401-22 12V SUB-COMPACT DRIVER	—

1680 1/2" Super Hawg Drill Kit



- Drill holes of all sizes in wood frame construction
- 2-speed, adjustable motor with high operating speed, easy-turn gear shift knob and a clutch in the low gear range
- Soft-grip Roto-Lok handle shifts between 3 positions
- Front t-bar handle on gear case
- Includes carrying case
- Amps: 13
- No Load RPM: 450–1,750
- 1/2" Keyed Chuck
- 5 year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80227	1680-21 REV SUPER-HAWG DRILL KIT	—

2467 1/4" Hex Right Angle Impact Driver



- 1/4" head diameter for access in close quarters
- 600 in-lbs of torque
- 0–2,425 RPM
- Extended paddle switch for multiple grip positions
- Variable speed provides maximum control
- 5 year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80930	2467-21 M12 1/4IN HEX IMPACT DRIVER RIGHT ANGLE	—

M12 and M18 Chargers



48-59-1807 Rapid Charge Station
- Holds 3 M12 and 3 M18 battery packs.
- Charges up to 3 batteries simultaneously.
- Charges batteries up to 40% faster than standard chargers.
- 5 year limited warranty



48-59-1808 Rapid Charge Station
- Charges M12 and M18 batteries.
- Automatically charges the second pack once the first pack is fully charged.
- Charges batteries up to 40% faster than standard chargers.
- 5 year limited warranty



8-59-1812 Multi-Voltage Charger
- Charges M12 and M18 batteries.
- Automatically charges the second pack once the first pack is fully charged.
- Compact batteries charge in 30 minutes; extended capacity batteries charge in 1 hour.
- 5 year limited warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81145	48-59-1807 M18 & M12 RAPID CHARGE STATION	—
1	EA	81247	48-59-1808 M18 & M12 RAPID CHARGER	—
1	EA	81138	48-59-1812 M12 & M18 MULTI VOLTAGE CHARGER	—

M12 and M18 Battery Packs



48-11-1840



48-11-2411



48-11-2430



48-11-2460

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81131	48-11-1840 M18 REDLITHIUM XC 4.0 EXTENDED CAPACITY BATTERY PACK	—
1	EA	81132	48-11-2411 M12 REDLITHIUM COMPACT BATTERY PACK 2/PK	—
1	EA	81102	48-11-2430 M12 REDLITHIUM 3.0 COMPACT BATTERY PACK	—
1	EA	81103	48-11-2460 M12 REDLITHIUM XC 6.0 EXTENDED CAPACITY BATTERY PACK	—

M12 Lithium-Ion Wall and Vehicle Charger
AC/DC



- Charges M12 REDLITHIUM and M12 Lithium-Ion batteries in 40–80 minutes.
- Charger communicates with the battery pack to ensure a full charge and battery protection.
- Onboard light indicates battery status.
- 5 year limited warranty.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81024	2510-20 M12 AC/DC WALL & VEHICLE CHARGER	—

Charger

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80494	48-59-2818 28V V18 CHARGER	

Rotary Hammer Accessories
For Model 5321-22



48-03-3540



48-20-5035 to
48-20-5060

Two-Piece Thin Wall Core Bits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80945	48-20-5035 2" CORE BIT	—
1	EA	80946	48-20-5040 2-1/2" CORE BIT	—
1	EA	80947	48-20-5045 3" CORE BIT	—
1	EA	80948	48-20-5050 3-1/2" CORE BIT	—
1	EA	80949	48-20-5055 4" CORE BIT	—
1	EA	80950	48-20-5060 5" CORE BIT	—

Thin Wall Core Bit Adapter

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1-3/4 to 6 In. Core Bits	1	EA	80941	48-03-3540 12" THIN WALL CORE BIT ADAPTER	—

Right Angle Drill Attachment
For 1/4" Hex Cordless Drills



90° angle attachment makes it easier to drive screws and to drill holes in tight, difficult work areas.

- Durable all metal housing and steel gears.
- Rated up to 235 in-lbs of torque.
- Quick change chuck accepts standard 1/4 " hex drive accessories.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80985	49-22-8510 RIGHT ANGLE ATTACHMENT	—

Off-Set Screwdriver Power Head
For 6547-22 Cordless Screwdriver



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80109	48-32-2100 OFF-SET SCREWDRIVER PWR HEAD	—

Hex Extension Shanks



For Hole Saws, Selfeed Bits and Auger Bits (1" diameter and larger) with 7/16" Hex Shank.

- Length: 12"
- Replacement Set Screw: 06-83-2711
- Replacement Socket Wrench: 49-96-0060

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80393	48-28-4006 12" EXTENSION ASSEMBLY	—

Big Hawg® Hole Cutters



Big Hawg hole cutters are designed for drilling large holes in rough wood applications. Cuts up to 600 holes in wood without needing to be re-sharpened.

Big Hawg Hole Saws

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81005	49-56-9010 2-9/16 BIG HAWG HOLE SAW	—
1	EA	81006	49-56-9020 3 BIG HAWG HOLE SAW	—
1	EA	81015	49-56-9030 3-5/8 BIG HAWG HOLE SAW	—
1	EA	80977	49-56-9045 4-1/4" BIG HAWG HOLE SAW	—
1	EA	80976	49-56-9050 4-5/8" BIG HAWG HOLE SAW	—
1	EA	81016	49-56-9065 6-1/4 BIG HAWG HOLE SAW	—
1	EA	80558	49-56-9075 7-PC BIG HAWG HOLE SAW KIT	—

Big Hawg Arbor and Pilot Bit

1	EA	81017	49-56-9105 BIG HAWG ARBOR	—
1	EA	81018	48-27-1401 BIG HAWG PILOT BIT	—

Hole Dozer™ Hole Saws



- Rip Guard™: Strongest tooth in industry with Limited Lifetime Tooth Break Warranty.
- Pug Jack™: An all access slot design for fast plug removal.
- Bi-metal construction with 8% cobalt for increased wear resistance.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80993	49-56-0012 5/8 ICE HARDENED HOLE SAW	—
1	EA	80996	49-56-0043 1 ICE HARDENED HOLE SAW	—
1	EA	80959	49-56-0052 1-1/8' ICE HARDENED HOLE SAW	—
1	EA	81001	49-56-0072 1-3/8 ICE HARDENED HOLE SAW	—
1	EA	81002	49-56-0082 1-1/2 ICE HARDENED HOLE SAW	—
1	EA	80960	49-56-0102 1-3/4" ICE HARDENED HOLE SAW	—
1	EA	80961	49-56-0117 2" ICE HARDENED HOLE SAW	—
1	EA	80962	49-56-0132 2-1/4" ICE HARDENED HOLE SAW	—
1	EA	80963	49-56-0147 2-1/2" ICE HARDENED HOLE SAW	—
1	EA	80964	49-56-0158 2-5/8" ICE HARDENED HOLE SAW	—
1	EA	80965	49-56-0163 2-3/4" ICE HARDENED HOLE SAW	—
1	EA	80966	49-56-0173 3" ICE HARDENED HOLE SAW	—
1	EA	80967	49-56-0193 3-1/2" ICE HARDENED HOLE SAW	—
1	EA	80968	49-56-0197 3-5/8" ICE HARDENED HOLE SAW	—
1	EA	80969	49-56-0203 3-3/4" ICE HARDENED HOLE SAW	—
1	EA	80970	49-56-0213 4" ICE HARDENED HOLE SAW	—
1	EA	80971	49-56-0217 4-1/8" ICE HARDENED HOLE SAW	—
1	EA	80972	49-56-0223 4-1/4" ICE HARDENED HOLE SAW	—
1	EA	80973	49-56-0233 4-1/2" ICE HARDENED HOLE SAW	—
1	EA	80974	49-56-0237 4-3/4" ICE HARDENED HOLE SAW	—
1	EA	81004	49-56-0243 5 ICE HARDENED HOLE SAW	—
1	EA	80975	49-56-0253 6" ICE HARDENED HOLE SAW	—

Hole Saw Pilot Drills



- Thunderbolt® tapered web for durability
- 135° split point provides accurate hole placement

Shank Size (In)	Overall Bit Size (In)	For Hole Saw Sizes (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/4 (3-flat)	1/4 x 4	All	1	EA	80437	49-56-8000 PILOT DRILL	—
1/4 (3-flat)	1/4 x 3-1/2	All	1	EA	80463	49-56-8010 PILOT DRILL	—

Hole Saw Arbors



49-56-7000



49-56-7250

Small Thread Hole Saw Arbors
- Durable hardened steel construction

Large Thread Quick-Change Arbors
- Durable hardened steel construction
- Universal quick-change with all brands of hole saws
- Hollow shank for full pilot bit access (49-56-7055 only)

Small Thread Hole Saw Arbors

Shank Size (In)	Thread Size (In)	For Drill Chuck Size (In)	For Hole Saw Size (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3/8	1/2–20	3/8 & Larger	Up to 1-3/16	1	EA	80462	49-56-7010 3/8" ARBOR	—
7/16	1/2–20	1/2	Up to 1-3/16	1	EA	80430	49-56-7000 7/16" ARBOR	—

Large Thread Quick-Change Arbors

3/8	5/8–18	3/8 & Larger	1-1/4 & Larger	1	EA	80928	49-56-7250 3/8 IN LARGE QUICK CHANGE ARBOR	—
7/16	5/8–18	1-1/2 & Larger	1-1/4 & Larger	1	EA	80431	49-56-7055 7/16" ARBOR	—
7/16	5/8–18	1-1/2 & Larger	1-1/4 & Larger	1	EA	80465	49-56-7240 7/16" ARBOR	—

Hole Saw Kits



49-22-4145 10-Piece Plumbers Hole Dozer™ Hole Saw Kit Includes
Hole Saws (In): 3/4, 7/8, 1-1/8, 1-1/2, 1-3/4, 2-1/4
Arbors: 49-56-7010 and 49-56-9100
Pilot Bit: 49-56-8010
Adapter: 49-56-6560
Spacer: 49-67-0120
Case features extra space for additional hole saws



49-22-4185 28-Piece All Purpose Professional Hole Dozer™ Hole Saw Kit Includes
Hole Saws (In): 3/4, 7/8, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-3/4, 2, 2-1/8, 2-1/4, 2-1/2, 2-5/8, 3, 3-1/4, 3-3/8, 3-5/8, 3-3/4, 4-1/8, 4-1/4, 4-1/2, 4-3/4
Arbors: 49-56-7000, 49-56-7010, and 49-56-9100
Drill Bits: 49-56-8010
Case features extra space for additional hole saws

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80583	49-22-4145 10-PC MASTER PLUMBER HOLE SAW KIT	—
1	EA	80584	49-22-4185 29-PC ALL PURPOSE HOLE SAW KIT	—

Selfeed Bits



- Selfeed drill bits deliver speed and endurance for repetitive drilling of large holes.
- Center feed screw pilots the bit and allows the bit to pull through fast.
- Inside cutting plane shaves the hole radius for clean, smooth holes without pressure.
- Bits are resharpenable and include two removable, replaceable, feed screws.

Recommended For The Following Drill Models	For Std. Pipe Sizes (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/2 and Larger Drills	1/2, 3/4	1	EA	80144	48-25-1122 1-1/8" SELFEED BIT	—
1/2 D-Handle Drills and Larger Drills	1, 1-1/2	1	EA	80148	48-25-1752 1-3/4" SELFEED BIT	—
1/2 D-Handle Drills and Larger Drills	1, 1-1/2	1	EA	80149	48-25-2002 2" SELFEED BIT	—
1/2 D-Handle Drills and Larger Drills	1, 1-1/2	1	EA	80150	48-25-2122 2-1/8" SELFEED BIT	—
Same as above except 1250-1	2	1	EA	80161	48-25-2562 2-9/16" SELFEED BIT	—

Flat Boring Bits





49-22-0175 8-Piece QUIK-LOK Flat Boring Bit Kit

Double Wing Spurs for easy hole formation, patented cutting edge for fast, easy wood boring, and 1/4 in. Quick-Change Hex Shank for use in all Universal QUIK-LOK™ Extensions.

49-22-0185 6-Piece QUIK-LOK Stubby Boring Bit Kit

Extreme stubby size flat boring bit, soft case, and sharp cutting edge.

Dia. (In.)	Shank Diameter (In.)	Overall Length (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3/8	1/4	16	6	EA	80986	48-27-0170 3/8 FLAT BORING BIT	—
1/2	1/4	16	6	EA	80987	48-27-0175 1/2 FLAT BORING BIT	—
3/4	1/4	16	6	EA	80559	48-27-0185 3/4" FLAT BORING BIT	—
1	1/4	16	6	EA	80990	48-27-0195 1 FLAT BORING BIT	—
Multi	1/4	16	5	EA	80953	49-22-0175 8-PIECE QUIK-LOK FLAT BORING BIT SET	—
Multi	1/4	16	5	EA	80952	49-22-0185 6-PIECE QUIK-LOK STUBBY FLAT BORING BIT SET	—

Thunderbolt® Titanium Drill Bit Kit

Extreme Durability and Long Life



- Tapered web resists side-load breakage.
- 3-Flat Secure-Grip™ shank holds bit in chuck.
- Titanium coating reduces heat build-up and keeps bit sharp to extend performance.
- The 135° split point tip delivers a precision start and prevents walking for fast, accurate holes.
- Storage case included

Sizes Include (In):

- (2 each) 1/16, 5/64, 3/32, 7/64, 1/8
- (1 each) 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 1/4, 5/16, 3/8, 1/2

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	80736	48-89-1105 TITANIUM DRILL BIT SET	—

Screw Driving Bit Kits



48-32-0221 21-Piece Set

- Magnetic
- 1/4" hex and double-ended shanks
- Molded plastic storage case

Includes:

(3) Philips/Slotted double-ended bits
(3) Philips/Philips double-ended bits
(1) compact magnetic screw guide
(2) slotted bits
(7) Philips bits
(5) insert bits



48-32-1505 40-Piece Set

- Premium grade S2 tool steel
- 1/4" hex shanks

Includes:

(1) Magnetic nut driver
(1) Compact screw guide
(1) Molded plastic storage case
(20) Philips bits
(6) TORX bits
(2) Slotted bits
(9) Square bits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	80955	48-32-0221 21-PIECE SCREW DRIVING SET	—
6	EA	80954	48-32-1505 40-PIECE SCREW DRIVING SET	—

Shockwave™ Nutdrivers and Bits



Milwaukee® Shockwave Impact Duty™ Nutdrivers and bits are engineered for extreme durability and up to 10 times longer life than standard bits. Made from proprietary steel and heat treated to control hardness, the Shockwave ImpactDuty™ nutdrivers and bits feature an innovatively designed geometric shock absorption zone to extend life. The forged tip allows for a secure grip and maximum contact eliminating stripping or slipping. The Shockwave™ impact duty accessory line is not only ideal for heavy duty impact applications, but delivers a full system solution for all drilling and fastening needs.

49-66-4561 Nut Driver Set Includes
(1) 1/4" x 1-7/8", (1) 5/16" x 1-7/8",
(1) 3/8" x 1-7/8"

49-66-4562 Nut Driver Set Includes
(1) 1/4" x 1-7/8", (1) 5/16" x 1-7/8",
(1) 3/8" x 1-7/8", (1) 7/16" x 1-7/8"

48-89-4631 Bit Set Includes
(2) 1/16", (2) 5/64", (1) 3/32", (2) 7/64",
(2) 1/8", (1) 9/64", (2) 5/32", (1) 11/64",
(2) 3/16", (1) 13/64", (1) 7/32", (1) 15/64",
(2) 1/4", (1) 5/16", (1) 3/8", (1) 1/2"

48-32-4005 Bit Set Includes
(2) Insert mgnetic nut drivers
(1) Insert socket adapter
(1) Magnetic bit tip holder
(1) Compact magnetic bit holder
(8) Hex bits
(5) Phillips bit
(1) Phillips reduced bit
(4) Slotted bits
(4) Square bits
(9) TORX bits

48-32-4408 Bit Set Includes
(1) Magnetic bit holder
(15)1" Insert bits
(4) 2" Power bits
(3) Magnetic nut drivers
(1) Socket adapter
(2) 3/8" drive deep well sockets

Nutdrivers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3	EA	81027	49-66-4502 1/4IN X 1-7/8IN SHOCKWAVE MAGNETIC NUT DRIVER	—
3	EA	81028	49-66-4503 5/16IN X 1-7/8IN SHOCKWAVE MAGNETIC NUT DRIVER	—
3	EA	81029	49-66-4505 3/8IN X 1-7/8IN SHOCKWAVE MAGNETIC NUT DRIVER	—
6	EA	81038	49-66-4522 1/4IN X 1-7/8IN SHOCKWAVE MAG NUT DRIVER 3PK	—
6	EA	81039	49-66-4523 5/16IN X 1-7/8IN SHOCKWAVE MAG NUT DRIVER 3PK	—
3	EA	81043	49-66-4532 1/4IN X 2-9/16IN SHOCKWAVE MAGNETIC NUT DRIVER	—
3	EA	81044	49-66-4533 5/16IN X 2-9/16IN SHOCKWAVE MAGNETIC NUT DRIVER	—
3	EA	81045	49-66-4535 3/8IN X 2-9/16IN SHOCKWAVE MAGNETIC NUT DRIVER	—

Nutdriver Sets

3	EA	81036	49-66-4561 1-7/8IN SHOCKWAVE MAGNETIC NUT DRIVER SET 3PC	—
3	EA	81037	49-66-4562 1-7/8 SHOCKWAVE MAGNETIC NUT DRIVER SET 4PC	—

Bits

3	EA	81026	48-32-4503 3IN SHOCKWAVE MAGNETIC BIT TIP HOLDER	—
3	EA	81049	48-32-4601 SHOCKWAVE #2 PHILLIPS 5PK	—
3	EA	81051	48-32-4444 SHOCKWAVE #2 PHILLIPS REDUCED DIAMETER	—
3	EA	81053	48-32-4602 SHOCKWAVE #2 PHILLIPS 2IN POWER BIT 5PK	—
3	EA	81055	48-32-4562 SHOCKWAVE #2 PHILLIPS 3-1/2IN POWER BIT	—
3	EA	81058	48-32-4423 SHOCKWAVE #3 SQUARE RECESS 2PK	—
3	EA	81063	48-32-4473 SHOCKWAVE #3 SQUARE RECESS 2IN POWER BIT	—
3	EA	81067	48-32-4485 SHOCKWAVE T25 TORX 2IN POWER BIT	—
3	EA	81068	48-32-4487 SHOCKWAVE T30 TORX 2IN POWER BIT	—

Bit Sets

5	EA	80931	48-32-4005 36PC SHOCKWAVE IMPACT DRIVER SET	—
5	EA	80932	48-89-4631 23PC TITANIUM SHOCKWAVE DRILL BIT SET	—
5	EA	81133	48-32-4408 26-PIECE SHOCKWAVE SET	—

M18 Cordless 18 Gauge Shear Kit

Double Cut Kit



The new body design on the M18 Shears maximizes wrist control during use. The only tool-free 360° rotating head in the industry allows these shears to be used where handsnips have always been needed before.

- Includes: 2635-20 shears, (2) M18 Red Lithium XC extended capacity batteries, M18 and M12 multi-voltage charger, and contractor bag
- 5-year warranty on shears
- 3-year warranty on battery

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81146	2635-22 M18 CORDLESS 18 GAUGE SHEAR KIT DOUBLE CUT	—

M12 Cordless PVC Shear



Cutting faster, cleaner and closer than traditional methods, the new M12™ Cordless PVC Shear utilizes a super sharp stainless steel blade for burr-free cuts, slices through 2" PVC in as fast as 3seconds, and offers an offset blade to cut PVC mounted to a stud or close to a wall.

Powered by the Milwaukee® M12™ Lithium-Ion battery, the new PVC shear is able to cut over 200 times on a single charge

- Powerful mechanism: cuts up to 2" schedule 40 PVC in 3 seconds
- Ultra sharp blade with pierce point: no burrs or shavings to remove
- Offset blade: cuts PVC/PEX in-wall, in-ground, or close to wall
- Quick return blade: increased productivity during repetitive cuts
- All metal planetary drive: delivers over 200 cuts per charge
- Stainless steel blade and aluminum jaw: impact, water and rust resistant
- Variable speed trigger: controlled cut in warm or cold weather
- On board fuel gauge: displays remaining run-time

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81020	2470-21 M12 CORDLESS PVC SHEAR	—

M12 Fuel 2520 Hackzall Kit



- SPM 0-3,000
- Kit Includes: 2520-20 reciprocating hackzall, M12 Red Lithium XC 4.0 extended capacity battery, M12 charger, and bag, multi-material blade
- Keyless blade clamp
- 5/8" stroke length
- 5-year warranty on hackzall
- 3-year warranty on battery

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81147	2520-21XC M12 FUEL HACKZALL	—

6509 Sawzall
with Quik-Lok Blade Clamp



- Powerful 10 amp motor.
- Trigger speed control: 0 to 2800 spm.
- 3/4" blade stroke.
- Adjustable pivot shoe.
- Includes 2 super Sawzall blades, 8' two-wire rubber cord, and impact resistant carrying case.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80119	6509-31 SAWZALL W/QUIK LOK	—

Parts for 6519-22 Sawzall Plus

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80171	06-75-2402 MILW BLADE SCREW	—
1	EA	80182	42-68-0073 MILW CLAMP	—

The Axe™ Demolition Sawzall Blades

For Wood with Nails



- Nail Guard: Unique design protects against tooth fracture and delivers faster cuts.
- Fang Tip: Bites into the wood on first contact.
- Matrix II bi-metal teeth for durability.
- Thicker, more rigid blade body resists fracturing and bending.
- 1" tall blade body reduces twisting for straighter cuts.
- 1/2" universal shank.

Teeth/ Inch	Blade Lgth (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
5	6	1	PKG	81210	48-00-5021 6IN 5TPI THE AX WOOD SAWZALL BLADE 5/PKG	—	—	—
5	6	1	PKG	80276	48-00-8021 6IN 5TPI THE AX WOOD SAWZALL BLADE 25/PKG	—	—	—
5	9	1	PKG	81211	48-00-5026 9IN 5TPI THE AX WOOD SAWZALL BLADE 5/PKG	—	—	—
5	9	1	PKG	80384	48-00-8026 9IN 5TPI THE AX WOOD SAWZALL BLADE 25/PKG	—	—	—
5	12	1	PKG	81212	48-00-5027 12IN 5TPI THE AX WOOD SAWZALL BLADE 5/PKG	—	—	—

The Torch™ Demolition Sawzall Blades

For Metal



- Double Duty Upgrade: Tooth form optimized for long life and maximum durability.
- Tough Neck: Blade ribs strengthen the blade tang and minimize breakage.
- Grid Iron: Honeycomb pattern increases blade rigidity to resist blade buckling.
- 1/2" universal shank.

For Use on Schedule 80 Pipe, Threaded Rod

Teeth/ Inch	Blade Lgth (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
10	6	1	PKG	80449	48-00-5712 6IN 10TPI THE TORCH MTL SAWZALL BLADE 5/PKG	—	—	—
10	9	1	PKG	80450	48-00-5713 9IN 10TPI THE TORCH MTL SAWZALL BLADE 5/PKG	—	—	—
14	6	1	PKG	80451	48-00-5782 6IN 14TPI THE TORCH MTL SAWZALL BLADE 5/PKG	—	—	—

For Use on Rigid Conduit, Strut

14	9	1	PKG	80452	48-00-5787 9IN 14TPI THE TORCH MTL SAWZALL BLADE 5/PKG	—	—	—
18	6	1	PKG	80453	48-00-5784 6IN 18TPI THE TORCH MTL SAWZALL BLADE 5/PKG	—	—	—
18	9	1	PKG	80454	48-00-5788 9IN 18TPI THE TORCH MTL SAWZALL BLADE 5/PKG	—	—	—
18	12	1	PKG	80455	48-00-5789 12IN 18TPI THE TORCH MTL SAWZALL BLADE 5/PKG	—	—	—

For Use on EMT, Tube, Duct, Sheet Metal

24	6	1	PKG	81265	48-00-5786 6IN 24TPI THE TORCH MTL SAWZALL BLADES 5/PK	—	—	—
24	9	1	PKG	81266	48-00-5790 9IN 24TPI THE TORCH MTL SAWZALL BLADES 5/PK	—	—	—

The Wrecker™ Demolition Sawzall Blades

For Wood with Nails, PVC/ Plastic, and Copper/Aluminum/Non-Ferrous Metals



- Sharper cutting edge on each tooth.
- Raker tooth minimizes walking and bouncing.
- Thicker, more rigid blade body resists fracturing and bending.
- 1" tall blade body reduces twisting for straighter cuts.
- 1/2" universal shank.

Teeth/ Inch	Blade Lgth (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
8	9	1	PKG	81268	48-00-5706 9IN 8TPI WOOD/PLAS/MTL SAWZALL BLADES 5/PK	—	—	—
8	12	1	PKG	81267	48-00-5711 12IN 8TPI WOOD/PLAS/MTL SAWZALL BLADES 5/PK	—	—	—

Thin Kerf Sawzall Blades—For Metal



- Double Duty Upgrade: Tooth form optimized for longes life and maximum durability.
- Tough Neck: Blade ribs strengthen the blade tang and minimize breakage.
- Grid Iron: Honeycomb pattern increases blade rigidity to resist blade buckling.
- 1/2" universal shank.

Teeth/ Inch	Blade Lgth (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
24	6	1	PKG	80332	48-00-5186 6IN 24TPI THIN KERF MTL SAWZALL BLADE 5/PKG	—	—	—
18	6	1	PKG	80293	48-00-5184 6IN 18TPI THIN KERF MTL SAWZALL BLADE 5/PKG	—	—	—
18	6	1	PKG	80282	48-01-6184 6IN 18TPI THIN KERF MTL SAWZALL BLADE 50/PKG	—	—	—
18	9	1	PKG	80444	48-00-5188 9IN 18TPI THIN KERF MTL SAWZALL BLADE 5/PKG	—	—	—
18	12	1	PKG	80445	48-00-5189 12IN 18TPI THIN KERF MTL SAWZALL BLADE 5/PKG	—	—	—
14	9	1	PKG	80443	48-00-5187 9IN 14TPI THIN KERF MTL SAWZALL BLADE 5/PKG	—	—	—
14	6	1	PKG	80292	48-00-5182 6IN 14TPI THIN KERF MTL SAWZALL BLADE 5/PKG	—	—	—
10	6	1	PKG	80342	48-00-5092 (48-01-3092)6IN 10TPI THN KRF SAWZALL BLADE 5/PKG	—	—	—

Thin Kerf Sawzall Blades
For Clean Wood



- Deep Gullet Design: Cuts up to 25% faster than standard wood blades.
- Fleam Ground Process: Creates super sharp teeth for clean cuts.
- Matrix II bi-metal teeth for durability.
- 1/2" universal shank.

Teeth/ Inch	Blade Lgth (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
6	6	1	PKG	81243	48-00-5015 6IN 6TPI THIN KERF WOOD SAWZALL BLADE 5/PKG	—	—	—
6	9	1	PKG	81269	48-00-5016 9IN 6TPI THIN KERF WOOD SAWZALL BLADES 5/PK	—	—	—

Thin Kerf Sawzall Blades
General Rough-in for Wood with Nails and Composition Materials



- Nail Guard: Unique design protects against tooth fracture and delivers faster cuts.
- Fang Tip: Bites into the wood on first contact.
- Matrix II bi-metal teeth for durability.
- 1/2" universal shank.

Teeth/ Inch	Blade Lgth (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
6	6	1	PKG	80334	48-00-5035 6IN 5TPI THIN KERF WOOD SAWZALL BLADE 5/PKG	—	—	—
6	9	1	PKG	80338	48-00-5036 9IN 5TPI THIN KERF WOOD SAWZALL BLADE 5/PKG	—	—	—
6	12	1	PKG	80339	48-00-5037 12IN 6TPI THIN KERF WOOD SAWZALL BLADE 5/PKG	—	—	—

Thin Kerf Sawzall Blades
For Wood with Nails



- Nail Guard: Unique design protects against tooth fracture and delivers faster cuts.
- Fang Tip: Bites into the wood on first contact.
- Matrix II bi-metal teeth for durability.
- 1/2" universal shank.

Teeth/ Inch	Blade Lgth (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
5	6	1	PKG	80488	48-01-6035 50PK SAWZALL BLADES	—	—	—
5	9	1	PKG	80281	48-01-6036 SAWZALL BLADE 50/PKG	—	—	—

Thin Kerf Sawzall Blades

For Wood, Plastic, Metal



- Double relief angle reduces tooth stress for long life.
- Sharper teeth for fast cutting.
- Matrix II bi-metal teeth for durability.
- 1/2" universal shank.

For Use on Wood with Nails

Teeth/ Inch	Blade Lgth (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
4/6	6	1	PKG	80288	48-00-5041 (48-01-5041) 6IN 4/6TPI THIN KERF SAWZALL BLADE 5/PKG	—	—	—

For Use on Wood with Nails, PVC/Plastic, Copper/Aluminum/Non-Ferrous Metals

8/12	6	1	PKG	81270	48-00-5091 6IN 8/12 THIN KERF WOOD/ PLAS/MTL SAWZALL BLADE 5/PKG	—	—	—
8/12	6	1	PKG	80299	48-00-5093 8IN 8/12TPI THIN KERF WD/PLAS/MTL SAWZALL BLADE 5/PK	—	—	—
8/12	8	1	PKG	80315	48-00-5094 (48-01-5094)8IN 8/12TPI THIN KERF SAWZALL BLADE 5/PKG	—	—	—
10/14	8	1	PKG	80343	48-00-5193 (48013093)8IN 10/14TPI THIN KERF SAWZALL BLADE 5/PKG	—	—	—

Sawzall Blade Kits



9-Piece General Purpose Kit

- (3) 6" 24-TPI blades
- (3) 6" 14-TPI blades
- (2) 6" 6-TPI blades
- (1) 9" 6-TPI blade
- (1) storage case

12-Piece Demolition Kit

Demolition blades are thicker for maximum durability and taller for straighter cuts.

- (4) 6" 18-TPI The Torch blades
- (2) 6" 8-TPI The Wrecker blades
- (2) 6" 5/8-TPI The Ax blades
- (2) 9" 6-TPI The Ax blades
- (2) 9" 14-TPI The Torch blades
- (1) storage case

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80992	49-22-1129 12-PIECE DEMOLITION SAWZALL BLADE KIT	—
1	EA	80957	49-22-1145 9-PIECE THIN KERF GENERAL PURPOSE SAWZALL BLADES	—

Hack Saw



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82231	HS90 HACK SAW	—

Sheet Metal Tools



SC-1



N-2R



S3R



12F Folding Tool



18/24 Divider



SL-1R



HC-1



2-DH



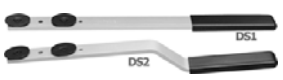
A40



A50



Scratch Awls



DS-1/DS-2

Hand Crimpers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80677	C5R 5 BLADE REDLINE PIPE CRIMPER	—
1	EA	80678	C6R 5-BLADE REDLINE OFFSET PIPE CRIMPER	—
6	EA	80610	SC-1 MALCO HAND CRIMPER	—

Hand Notchers

1	EA	80669	N1R 13/16 REDLINE HAND NOTCHER	—
1	EA	80672	N2R 1" REDLINE HAND NOTCHER	—

Hand Seamers

1	EA	80688	S2R 3-1/4 WIDE REDLINE HAND SEAMER	—
1	EA	80687	S3R REDLINE OFFSET HAND SEAMER	—
1	EA	80689	S6R 6' WIDE REDLINE HAND SEAMER	—
1	EA	80581	S10 SEAMER AND TONGS - STRAIGHT	—

Spring for C-1, S-2, SL-1, and N-1

1	EA	80647	5018 SPRING	—

Folding Tools

6	EA	80860	12F 12 IN. FOLDING TOOL 1, 3/8 IN. FOLDS	—
4	EA	80861	18F 18 IN. FOLDING TOOL 1, 3/8 IN. FOLDS	—
4	EA	80640	24F 24 IN. FOLDING TOOL 1, 3/8 IN. FOLDS	—

Trammel Points

1	EA	83179	TR42 TRAMMEL POINTS	—
1	PKG	83180	TRP TRAMMEL POINTS 2/PKG	—

Quick Set Dividers

6	EA	83175	18 MALCO DIVIDER	—
6	EA	83176	24 MALCO DIVIDER	—
1	PKG	83174	RP-2 DIVIDER POINT 2/PKG	—

Snaplock Punch

1	EA	80692	SL1R REDLINE SNAP LOCK PUNCH	—

Hole Cutter & Bit

1	EA	80661	CB REPL BIT F/HC-1	—
1	PKG	80668	CBB CUTTER BITS F/HC1 - BULK	—
1	EA	80660	HC-1 HOLE CUTTER	—
1	EA	80662	HC1-B PIVOT PIN SET	—

Continued from the Previous Page

Pipe and Duct Holder

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	SET	80621	2-DH MALCO PIPE & DUCT HOLDER	

Sheet Metal Scribe & Scriber

20	EA	80582	A40 SHEET METAL SCRIBE	
6	EA	80629	A50 CARBIDE TIPPED SCRIBER	

Scratch Awls

6	EA	80615	A-0 MALCO SCRATCH AWL	
6	EA	80616	A-1 MALCO SCRATCH AWL	
6	EA	80627	A-2 MALCO SCRATCH AWL	
6	EA	80628	A-3 MALCO SCRATCH AWL	
6	EA	82901	A-20 MALCO SCRATCH AWL	

Duct Stretcher

6	EA	80648	DS-1 DUCT STRETCHER	
4	EA	80645	DS2 OFFSET DUCT STRETCHER	

Snips



J1102S



J2100L



J2101R



J2103S

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83633	J1100L JOURNEYMAN AVIATION SNIP LEFT CUTTING	
1	EA	83634	J1101R JOURNEYMAN AVIATION SNIP RIGHT CUTTING	
1	EA	83635	J1102S JOURNEYMAN AVIATION SNIP STRAIGHT CUTTING	
1	EA	83636	J2100L JOURNEYMAN KURVE OFFSET SNIP LEFT CUTTING	
1	EA	83637	J2101R JOURNEYMAN KURVE OFFSET SNIP RIGHT CUTTING	
1	EA	83638	J2103S JOURNEYMAN KURVE BULLDOG SNIP STRAIGHT CUTTING	
1	EA	83639	J2104L JOURNEYMAN UPRIGHT SNIP LEFT CUTTING	
1	EA	83640	J2105R JOURNEYMAN UPRIGHT SNIP RIGHT CUTTING	

Sheet Metal Hammers



RH4



SH3

One-piece, forged-steel, I-beam constructed hammers with leather grip and beveled face. Full polished heads and pein are corrosion resistant.

RH4

- Head: 12 oz, 4-7/8 long, 3/4" face
- Overall Length: 11"

SH3

Head: 18 oz, 5-3/4" long, 1" face
Overall Length: 13-3/4"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	80635	RH4 MALCO RIVETING HAMMER	
4	EA	80636	SH3 MALCO SETTING HAMMER	

Snips and Shears


ULC10


M2001


M2005


M2006


AV1


AVM 6


AVM 7


MC12,-14


M-1

ULC10 Ultralight Combination Snip

Strong lightweight frame has 3" long controlled cut. Can cut 26 ga. steel or 0.030" aluminum.

Avaiation Snips—Max2000

The Max2000 has hardened alloy steel blades with precision **ground cutting edges that ensure a minimal force cut and** maximum service life.

Aviation Snips—AV and AVM

Aviation style steel metal nips for straight, slightly curved in and vertical cuts in either direction. Regular AV smips 9+" long. AV mini snips are only 7-1/8" long and easily work in tight or awkward spaces.

Andy Aluminum Handled Snips

The Andy Snip offers easy blade replacement and larger handles. It has a sleek head design to improve maneuverability.

Ultra Lightweight Snips

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80707	ULC10 METAL CUTTING SNIP ULTRA LIGHTWEIGHT	

Aviation Snips—Max2000

6	EA	80523	M2001 AVIATION SNIP LEFT & STRAIGHT	
6	EA	80524	M2002 AVIATION SNIP RIGHT & STRAIGHT	
6	EA	80525	M2003 AVIATION SNIP COMBINATION CUT	
6	EA	80531	M2005 BULLDOG AVIATION SNIP FOR NOTCHING & TRIMMING	
6	EA	80538	M2006 AVIATION SNIP OFFSET LEFT	
6	EA	80539	M2007 AVIATION SNIP OFFSET RIGHT	

Aviation Snips—AV & AVM Series

1	EA	80652	AV1 AVIATION SNIP LEFT CUT	
1	EA	80653	AV2 AVIATION SNIP RIGHT CUT	
1	EA	80702	AV3 AVIATION SNIP COMBO CUT	
1	EA	80656	AV6 AVIATION SNIP OFFSET LEFT CUT	
1	EA	80657	AV7 AVIATION SNIP OFFSET RIGHT CUT	
1	EA	80703	AV8 AVIATION SNIP LEFT & VERTICAL	
1	EA	80704	AV9 AVIATION SNIP RIGHT & VERTICAL	
1	EA	80705	AVM6 EV MINI OFFSET AVIATION SNIP LEFT CUT	
1	EA	80706	AVM7 EV MINI OFFSET AVIATION SNIP RIGHT CUT	

Andy Aluminum Handled Snips

3	EA	80532	MC12(N) 12" ALUM COMB SNIP CUTS STRAIGHT OR CIRCLES	
3	EA	80533	MC14(A) 14" ALUM COMB SNIP CUTS STRAIGHT OR CIRCLES	
3	EA	80614	M-14N ANDY SNIPS CUT STRAIGHT	

Parts and Accessories

1	EA	80540	M2000S REPLACEMENT SPRING F/MAX2000	
1	SET	80613	M-14RB BLADE SET (OLD)	
1	EA	80646	M14NRB REPLACEMENT BLADE (NEW)	
1	EA	80663	TS1RB TURBOSHEAR REPLACEMENT BLADE	

TurboShear ™

Turn a Drills into Power Shears


TS1


TSHD


TSMD


TSDC

TS1 TurboShear

- Inserts into the chuck of a corded or cordless power drill
- Cuts straight and left.
- Cuts 20-gauge galvanized steel and much more.

TSHD TurboShear Heavy-Duty

- Inserts into the chuck of a corded or cordless power drill
- Clamp collar allows shear head to rotate 360° and lock into place for optimal tool clearance.
- Makes straight, curved, or square cuts.
- Cuts 18-gauge galvanized steel and much more.

TSMD TurboShear Double-Cut

- Inserts into the chuck of a corded or cordless power drill
- Clamp collar allows shear head to rotate 360° and lock into place for optimal tool clearance.
- Produces clean edges on either side of cut.
- Cut from either end and navigate 90° outside profiles
- Cuts through seams.

TSDC Telescoping Drill Clamp

- Fits all TurboShear drill attachment models.
- Allows tool to rotate 360° and locks when tightened.
- Does not rotate when used with TS1.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80664	TS1 TURBOSHEAR	
1	EA	80659	TSHD HEAVY DUTY TURBOSHEAR W/ROTATING HEAD	
1	EA	80764	TSMD TURBOSHEAR DOUBLE CUT	
1	EA	80658	TSDC DRILL CLAMP FOR TS1	

TurboCrimper Impact

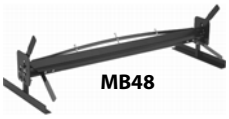


The task of crimping is easier and goes faster when using the TurboCrimper. It is designed to work with a DC (min. 12 volt) cordless impact driver or with an AC (max. 7 amp) corded impact driver. No setup or adjustment needed to work with 30–24 gauge round or spiral metal duct.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80709	C5A2 TURBOCRIMPER IMPACT	

MB48 Portable Mini Brakes


MBL

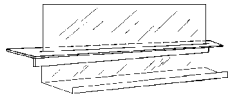

MB48

- Accommodates sheet metal up to 4 feet wide in any length.
- Safety conscious, cam-over style clamps keep anvil secure in any position.
- Makes bends to 135° in galvanized sheet metal up to 22 gauge.
- Adjustable strengthening ribs assure tightly formed bends.

MB48: Ideal for fabricating plenums or large transitions.
MB84B Pan Style: For drippans, register boxes, and complex corners for flashing and fascia.
MBL: Optional legs for MB48.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80936	MB48(A) MINI BRAKE	
1	EA	80933	MB48B EV PAN STYLE MINI BRAKE	
1	EA	80935	MBL LEGS W/BASES AND FASTENERS	

Bender



- Fabricate end caps, plenums and transitions at job site .
- Light weight available for 36" and 48" bends.
- Bends 24/26 gauge metal up to 135°.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	80110	HB-0022 40" OAL HENSLERS BENDER	

Fiberglass Duct Tools

Cuts 4" to 20" diameter holes in 1" fiberglass ductboard.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3	EA	80654	FG1 FIBERGLASS HOLE CUTTER	

FasGroov® Fabricating System



FGF



FGK



FGM



FGS



FGV

One-piece layout system for 1-1/2" and 1" board incorporates the FasGroov square with anodized steel tools. Offsets built into the square and tools allow you to layout 1-1/2" and 1" ductboard as you cut.

FGSLK Shiplap Kit Includes:
FGV1, FGV24, FGV3, FGV5, FGV6 tools, plus FGS square, and FGK, FGM, FGF knives in a tool case.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3	EA	80571	FGF FEMALE SHIPLAP KNIFE	
6	EA	80569	FGK DUCT KNIFE	
3	EA	80570	FGM MALE SHIPLAP KNIFE	
1	EA	80561	FGSLK SHIPLAP KIT - 2 CTNS	
1	EA	80562	FGV VEE-GROOVE TOOL	
1	EA	80573	FGVRB VEE-TOOL REP BLADE	

F6-DP Refrigerant Recovery Machine

Dual Piston



- 3 year OTC Warranty
- Powerful dual piston compressor
- Full one horse power motor
- Simple two valve operation

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83287	F6-DP DUAL PISTON REFRIGERANT RECOVERY MACHINE	

ROBINAIR RG3 & RG6 Refrigerant Recovery Machines



RG3 Ultra Lightweight Recovery Machine

- For any residential or appliance sized rcovery job
- Compativle with CFC, HFC, HCFC refrigerants including R-410A
- Compressor: 1/3 HP, single-cylinder, oil-less
- High pressure safety shut-off switch
- Easy to read gauges
- Dimensions: 12-1/2"L x 6-1/2" W x 9-1/2" H
- Power: 115 V 60 Hz
- Weight: 18 lbs.



RG6 Heavy Duty Twin Cylinder Recovery Machine

- Provides superior recovery speed in all conditions
- Compativle with CFC, HFC, HCFC refrigerants including R-410A
- Compressor: 3/4 HP, twin-cylinder, direct drive, oil-less
- Oversized condenser keeps machine cool in extreme conditions
- Self-purge feature eliminates potential for cross contamination and saves time
- Easy to read gauges
- Dimensions: 17" L x 9" W x 12" H
- Power: 115 V 60 Hz
- Weight: 27 lbs.
- High pressure safety shut-off switch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN
1	EA	82936	RG3 ULTRA LIGHTWEIGHT RECOVERY MACHINE	
1	EA	82937	RG6 HEAVY DUTY TWIN CYLINDER RECOVERY MACHINE	

APPION G5 Twin Refrigerant Recovery Machine



G5 Twin

- Pumps vapor and liquid with no throttling
- High speed/high pressure turbine fan—over 600 cfm
- Heavy duty crankcase isolated from refrigerant
- Weight: 24 pounds

Valve Core Removal Tool

- Positive core grip tip for easy, reliable core removal, minimizes lost cores
- Easy grip for attaching to the system, pump and gauges
- Vacuum rated to 20 microns
- MegaSeal™ cap made with aircraft grade aluminum, with molded neoprene seating material for reliable seal under pressure

Refrigerant Recovery Machine

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82284	G5TWIN REFRIGERANT RECOVERY MACHINE	

Accessories

1	EA	82285	MGAVCT 1/4 IN VALVE CORE REMOVAL TOOL	
1	EA	82286	MGAVCR 5/16 IN VALVE CORE REMOVAL TOOL	
1	EA	82287	KTF032 INLINE FILTER DRYER KIT	

INFICON Vortex Dual Refrigerant Recovery Machine



- Compressor: 1 HP, oil-less, dual-valve, AC motor drive
- Works with CFC, HFC, HCFC refrigerants including R-410A
- High pressure safety shut-off switch
- Power: 115V, 60Hz., 15A
- Weight: 29.75 lbs
- Dimensions: 16.7" L x 9.2" W x 14.2" H

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN
1	EA	96170	714-202-G1 VORTEX DUAL REFRIGERANT RECOVERY MACHINE	

ROBINAIR VacuMaster™ 15500 Vacuum Pump



- Free Air Displacement: 5 CFM
- Motor: 1/3 HP
- Intake Fitting: 1/4" & 3/8" Flare 1/2" ACME
- Oil Capacity: 9.5 oz
- Weight: 21 lbs
- Dimensions: 10" H x 5" W x 13" L

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82938	ROBINAIR 15500 5 CFM HIGH PERFORMANCE VACUUM PUMP	

Deep Vacuum Oil Pumps

And Oil Caddy



DV-6E



DV-85N/142N/200N



DVO-1, DVO-12, DV0-24



DV-T1

Vacuum Pumps

- All units are shipped without oil.
- Vacuum pump oil should be changed after every use
- A deep vacuum cannot be achieved with contaminated oil
- Contaminated oil will shorten pump life

"The Tank" Vacuum Pump Oil Caddy

- Oil caddy makes oil changes easy and environmentally friendly
- Place pump on cradle and drain oil into tank
- Holds up to 5 oil changes

Pump Specifications

	DV-6E	DV-85N	DV-142N	DV-200N
Free Air Displacement	6 CFM	3 CFM	5 CFM	7 CFM
Motor (1725 RPM)	1/2 HP	1/2 HP	1/2 HP	1/2 HP
Intake Ports (Male Flare)	1/4 x 3/8	1/4 x 3/8	3/8 x 1/4 x 3/8	1/2 x 1/4 x 3/8
Oil Capacity	18 Oz.	26.5 Oz.	14.5 Oz.	23 Oz.
Net Weight (Lbs.)	30	28	33	32
Dimensions H x W x L	17-5/8 x 9-1/8 x 14	11-1/4 x 6-1/2 x 15-1/2	11-1/4 x 6-1/2 x 15-1/2	17-5/8 x 9-1/8 x 14

Pumps with Blankoff Valve and Cleanable Inlet Screen

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83133	DV6E 6 CFM 115VOLT/60HZ ELIMINATOR VACUUM PUMP	
1	EA	83121	DV-85N 3 CFM VACUUM PUMP	
1	EA	83139	DV-142N 5 CFM VACUUM PUMP	
1	EA	83134	DV200N 7 CFM 115 VOLT 60 HZ PLATINUM VACUUM PUMP	

Accessories

1	EA	83206	DV-T1 THE TANK VACUUM PUMP OIL CADDY	
24	EA	83140	DVO-1 1-SHOT (PINT) VACUUM PUMP OIL	
12	EA	83142	DVO-12 QUART VACUUM PUMP OIL	
6	EA	83141	DVO-24 GAL VACUUM PUMP OIL	
1	EA	83136	PR-6 FLEX PUMP COUPLER	
1	EA	83135	PR-208 FLEXIBLE COUPLER	

Deep Vacuum Oil Pump



- Free air displacement: 6.0 CFM
- Motor (1725 RPM): 1/2 Hp
- Intake fitting-flare: 1/4 and 1/2 male
- Oil capacity: 27 oz.
- Net weight (lbs.): 31.5
- Dimensions H x W x L: 12 x 6-3/4 x 16-1/4
- Unit is shipped without oil. Vacuum pump oil requires frequent changing. Do not use dirty oil.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83127	93560 6 CFM SUPEREVAC PUMP	

YELLOW JACKET Mantooth™ Wireless Digital Gauge

Temperature and Pressure



- Wirelessly calculate and display pressures, temperatures, superheat, and subcooling
- iPhone, iPad, and Android compatible
- Test system without losing refrigerant
- Built-in Schrader ports to easily adjust refrigerant charge
- Rechargable lithium polymer battery with 10 hour battery life

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82759	67002 MANTOOTH DUAL PROBE MANIFOLD GAUGE	

JB Digital Manifold

2-Valve



- Calculate superheat and subcool
- Data logging capability
- Swiveling hose fittings
- Programmed with 80+ Refrigerants
- Pressure Range: -14.5 to 870 PSI
- Pressure Display: bar, psi, kPa, mPa
- Working Temp.: 14° F to 122° F
- 1/4" SAE (7/16" UNF) connections
- Heavy duty K-type thermal couples
- Sight glass

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83286	DMG2-8 2-VALVE DIGITAL MANIFOLD W/O HOSES	

Fieldpiece Digital Manifold

4-Valve



- Measures 2 pressures, 2 temperatures, and vacuum in microns
- Calculates superheat, subcooling, target superheat, vapor saturation, and liquid saturation
- 3/8" vacuum port for faster evacuations
- Large screen with all measurements in clear sight
- 45 built-in refrigerants

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81972	SMAN460 4-PORT DIGITAL MANIFOLD	

Fieldpiece S365 Charging Jacket for TXV Systems

Accurately Charge During Cold Weather

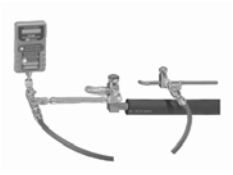


- For use when outdoor temperature is between 37° F and 70° F
- Jacket, made from parachute-grade material, hooks to outdoor unit so air in jet is not restricted
- Adjustable drawstring design allows system to reach proper pressure differntial (at least 160 psig pressure drop)
- System can be charged once stabilized for 15 minutes at correct pressure differential

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81978	S365 CHARGING JACKET F/TXV SYSTEMS	

Digital Vacuum Gauges


DV-22


DV-29


DV-40S


DV-41

DV-22 Digital Vacuum Gauge
- Accurate display from 50 to 6000 microns
- Retractable hanging hook
- Uses 9 volt battery (not included)

DV-40S Wireless Micron Gauge
- Accurately measures vacuum
- Programmable with High/Low limit alarm
- Data logging capabilities
- Smart phone control through JB app

DV-29 Micron and Superheat Gauge Test Unit
- Works with all micron gauges and creates a closed system, eliminating any leakage under deep vacuum
- 10" metal hose with O-ring quick couplers, ball valve with O-ring quick coupler with depressor, 90° male flare with 1/4" O-ring quick coupler, and valve assembly with 1/4" male flare connections

DV-41 Supernova Digital Vacuum Gauge
- Accurate display from 10 to 12,000 microns
- Programmable alarm tasks and shut-off
- Microns, PSI, InHg, Pascal, Torr, mTorr, and mBar
- Large, easy-to-read LCD screen
- Programmable backlight for duration

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83083	DV-22(N) DIGITAL HAND HELD VACUUM GAUGE	
1	EA	83079	DV-29 MICRON GAUGE HOOK-UP TEST UNIT	
1	EA	83282	DV-40S WIRELESS MICRON GAUGE	
1	EA	83057	DV41 SUPERNOVA DIGITAL VACUUM GAUGE WITH CASE	
1	EA	54796	QC-S5 STRAIGHT QUICK COUPLER	

Glycerine Filled Gauges



- Glycerin filled zero-adjustable low side gauge
- 2.5" diameter
- R-12, R-22, and R-502 temperature readings in degrees Fahrenheit
- PSI readings
- Comes in Blue and Red

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82484	TIF9622B BLUE GLYCERINE GAUGE	
1	EA	82485	TIF9632R RED GLYCERINE GAUGE	

Manifolds and Accessories

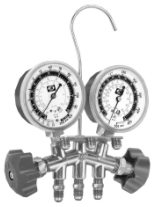
Brass and Aluminum


Revolver


Zeppelin, 4-Valve


Zeppelin, 2-Valve


Patriot


Standard


QC Gauges

Revolver 4-Valve Brass Manifold

- Metering ball valves adjust to do finite openings for liquid charging
- 1/4 turn full open/close handle with soft rubber grips
- Swiveling hose holders
- 3/8" port for fast evacuation
- No liquid charging adapter neccessary

Zeppelin 4- and 2-Valve Aluminum Manifolds

- Lightweight but still rugged and durable
- Soft grip rubber handles with fingertip grooves
- Stem design allows for "full open" in only 2-1/2 turns
- Free floting dual O-ring system
- 3/8" port for fast evacuation
- Sight glass standard

Patriot 2-Valve Brass Manifold

- New rugged bar design with metal handles
- 3-1/8" Class 1 illumating gauges
- Swiveling hose holders
- Free floating O-ring system

Standard 2-Valve Brass Manifolds

- Free floating dual O-ring system
- Easy turning plastic hand wheels
- Metric styles avalible

QC "Quick Connect" Test Gauges

- All brass quick connect fittings.
- For quick checks on large systems or refrigerant tanks.
- Ideal for permanent attachment to large systems.
- **QC-G820:** Blue Compound
- **QC-G825:** Red Pressure

Series	Model No.	Refrigerant	Body Type	Gauge Size (In.)	Gauge Type	Includes
4-Valve Models						
Revolver	26233	R-22, R-404A, R-410A	Brass	3-1/8	Glow-in-the-Dark	CCLE Kobra Hose Set
Zeppelin	25240	R-22, R-404A, R-410A	Aluminum	3-1/8	Glow-in-the-Dark	CCLBV Kobra Hose Set with Ball Valve
Zeppelin	25233	R-22, R-404A, R-410A	Aluminum	3-1/8	Glow-in-the-Dark	CCLE Kora Hose Set
Zeppelin	25033	R-12, R-22, R-502	Aluminum	3-1/8	Glow-in-the-Dark	CCLE Kobra Hose Set
2-Valve Models						
Patriot	22225L	R-22, R-404A, R-410A	Brass	3-1/8	LED	No Hose Set
Patriot	22233	R-22, R-404A, R-410A	Brass	3-1/8	Class 1 Glow-in-the-Dark with 1% Accuracy	CCLE Hose Set
Standard	M2-5-410A	R-22, R-404A, R-410A	Brass	2-1/2	Standard	CCLE Kobra Hose Set
Standard	M2-8-410A	R-22, R-404A, R-410A	Brass	2-1/2	Standard	No Hose Set
Zeppelin	24233	R-22, R-404A, R-410A	Aluminum	3-1/8	Glow-in-the-Dark	CCLE Kobra Hose Set
Zeppelin	24125	R-22, R-134a, R-404A	Aluminum	3-1/8	Glow-in-the-Dark	No Hose Set

4-Valve (See Table above for Manifold Series Information)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83078	26233 4-VALVE BRASS 80MM BALL VALVE MANIFOLD W/HOSES	
1	EA	83052	25240 R-22,404A,410A 4-VLV ALUM MNFLD W/HOSES W/BALL VLVS	
1	EA	83055	25233 4 VALVE 80MM ALUMINUM MANIFOLD R-22,404A,410A	
1	EA	83258	25033 4 VLV ALUM MANIFOLD R12/22/502 CCLE HOSES	

2-Valve (See Table above for Manifold Series Information)

1	EA	83292	22225L R22/404A/410A PATRIOT 2V MANIFOLD W/LED GAUGES NO HOSES	
1	EA	83252	22233 R-22,404A,410A 2-VALVE PATRIOT MANIFOLD W/KOBRA HOSES	
1	EA	83053	M2-5-410A R-22,404A,410A 2-VLV BRASS MNFLD W/60 IN. HOSES	
1	EA	83198	M2-8-410A R22,404,410A 3 1/8 IN 2 VALVE MANIFOLD BRASS	
1	EA	83054	24233 R-22,404A,410A 3 1/8 2-VLV ALUM MNFLD W/HOSES	
1	EA	83064	24125 R-22,134A,404A, 2-VALVE ALUM MANIFOLD W/ILLUM GAUGES	

Gauges and Hanger

1	EA	83288	QC-G820 3-1/8 COMPOUND TEST GAUGE 22/404/410	
1	EA	83289	QC-G825 3-1/8 PRESSURE TEST GAUGE 22/404/410	
5	EA	83123	M2-102N HANGING HOOK	

Refrigeration Gauges

For Pressure Vacuum and Compound Applications



M2-250 & M2-250B

- Blue, low side gauge
- 30" vacuum to 120 psi, retard to 350 psi
- High impact clear Lexan lens
- Recalibration screw
- Full size brass movements
- 1/8" MPT connections
- **M2-250:** Compound steel case
- **M2-250B:** Brass Case

M2-500 & M2-500B

- Red, high side gauge
- 30" vac. to 120 psi, retard to 350 psi
- High impact clear Lexan lens
- Recalibration screw
- Full size brass movements
- 1/8" MPT connections
- 0 to 500 psi
- **M2-500:** Pressure steel case
- **M2-500B:** Brass case

M2-420 & M2-425

- High impacta clear Lexan lens
- Recalibration screw
- Full size brass movements
- 1/8" MPT connections

M2-420 Blue, Low Side Gauge

- Compound steel case
- 30" vacuum to 120 psi,retard to 350 psi

M2-425 Red, High Side Gauge

- Pressure steel case
- 0 to 500 psi

M2 Series 3-1/8" Glow-in-the-Dark Gauges

- Illuminated case
- Surge dampened for accuracy
- High impact clear Lexan lens
- Recalibration screw
- Full size brass movements
- 1/8" MPT connection

M2-800

- Blue, low side gauge
- 30" vac. to 120 psi, retard to 350 psi

M2-805

- Red, high side gauge
- 0 to 500 psi

M2-820

- Blue, low side gauge
- 30" vac. to 250 psi, retard to 500 psi

M2-825

- Red, high side gauge
- 0 to 800 psi

M2 Series 3-1/8" LED Gauges

- All metal case
- Rocker ON/Off switch
- High impact Lexan lens
- Full size brass movements
- Recalibration screw
- 1/8" MPT connection

M2-820L

- Blue, compound, low pressure

M2-825L

- Red, high pressure

Model No.	Refrigerants	Type	Case	Application/Pressure Scale
2-1/2" Standard Gauges				
M2-250 (B)	R-12, R-22, R-502	Blue, Low side	Compound steel (brass)	30" vacuum to 120 psi, retard to 350 psi
M2-500 (B)	R-12, R-22, R-502	Red, High side	Pressure steel (brass)	0 to 500 psi
M2-420	R-134a, R-404A, R-507	Blue, Low side	Compound steel	30" vacuum to 120 psi, retard to 350 psi
M2-425	R-134a, R-404A, R-507	Red, High side	Pressure steel	0 to 500 psi
3-1/8" Glow-in-the-Dark Gauges				
M2-800	R-12, R-22, R-502	Blue, Low side	Compound steel, illuminated	30" Vacuum to 120 psi, retard to 350 psi
M2-805	R-12, R-22, R-502	Red, High side	Pressure steel, iluminated	0 to 500 psi
M2-820	R-22, R-404A, R-410A	Blue, Low side	Compound steel, illuminated	30" vacuum to 120 psi, retard to 350 psi
M2-825	R-22, R-404A, R-410A	Red, High side	Pressure steel, illuminated	0 to 800 psi
3-1/8" LED Gauges				
M2-820L	R-22, R-404A, R-410A	Blue, Low side	All metal casing	30" vacuum to 250 psi, retard to 500 psi
M2-825L	R-22R, R-404A, R-410A	Red, High side	All metal casing	0 to 800 psi

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	83105	M2-250 COMPOUND GAUGE BLUE	
5	EA	83117	M2-250B COMPOUND GAUGE BRASS	
5	EA	83106	M2-500 PRESSURE GAUGE RED	
5	EA	83119	M2-500B PRESSURE GAUGE BRASS	
1	EA	83171	M2-420 2-1/2 IN STANDARD COMPOUND GAUGE R-134A,40A,507	
1	EA	83167	M2-425 2-1/2 IN STANDARD PRESSURE GAUGE R-134A,404A,507	
1	EA	83164	M2-800 3-1/8IN GLOW-IN-THE-DARK COMPOUND GAUGE R-12,22,502	
1	EA	83163	M2-805 3-1/8IN GLOW-IN-THE-DARK PRESSURE GAUGES R-12,22,502	
1	EA	83166	M2-820 3-1/8 IN ILLUMINATED COMPOUND GAUGE R-22,404,410A	
1	EA	83165	M2-825 3-1/8 IN ILLUMINATED PRESSURE GAUGE R-22,404,410A	
1	EA	83112	MR-517 PLASTIC GAUGE LENS	
1	EA	83293	M2-820L 3-1/8" 22/404/410A LED COMPOUND GAUGE	
1	EA	83294	M2-825L 3-1/8" 22/404/410A LED PRESSURE GAUGES	

Heavy Duty Plus II 3/8" Hose

Combination Charging/Hi-Vacuum



- Permeation resistant Plus II™ barrier.
- Operating temperature -20° to 200° F.
- Working pressure 750 psi; 3000 psi burst.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83138	15672 BC-72IN VACUUM HOSE	

SealRight™ Coupler

Quick Couplers

SealRight fittings automatically and immediately trap refrigerant in the hose when disconnected, helping meet non-venting regulations and preventing finger burns. Works with or without Schrader core. Field serviceable. Not recommened for R-410A systems.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82654	19109 1/4" STRAIGHT SEALRIGHT COUPLER	

Kobra High Pressure Hoses



CLBV



CLE



CLS



CLV

JB Kobra® hoses feature patent-pending design improvements that significantly reduce blowout and provide maximum flow. Kobra hoses are made from Kevlar® and are incredibly strong and flexible.

CLBV Series
- Ball valve

CLE Series
- Depressor set to ARI standard for access valve core
- Features blowout resistant depressor and barrel gasket

CLS Series
- Secure seal fitting
- Opens to full flow
- Automatically traps refrigerant discharge in hose

CLBV Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83068	CCLBV-60 60IN KOBRA HOSE SET W/BALL VALVE	
1	EA	83075	CLBV-60B 60IN BLUE KOBRA HOSE W/BALL VALVE FTGS	
1	EA	83076	CLBV-60R 60IN RED KOBRA HOSE W/BALL VALVE FTGS	
1	EA	83074	CLBV-60Y 60IN YELLOW KOBRA HOSE W/BALL VALVE FTGS	

CLE Series

1	EA	83062	CCLE-60 60IN KOBRA HOSE SET	
1	EA	83066	CLE-60B 60IN BLUE KOBRA HOSE	
1	EA	83067	CLE-60R 60IN RED KOBRA HOSE	
1	EA	83063	CLE-60Y 60IN YELLOW KOBRA HOSE	

CLS Series

1	EA	83058	CCLS-60 60IN KOBRA HOSE SET W/SECURE SEAL	
1	EA	83060	CLS-60B 60IN BLUE KOBRA HOSE W/SECURE SEAL FTGS	
1	EA	83061	CLS-60R 60IN RED KOBRA HOSE W/SECURE SEAL FTGS	
1	EA	83059	CLS-60Y 60IN YELLOW KOBRA HOSE W/SECURE SEAL FTGS	

CLV Series

3	EA	83095	CCLV-72 72 IN CHARGE LINE SET	

Ball Valve Hose



- Whip end only with ball valve
- Connects to hose fitting

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	83097	CLV-6B 6 IN BLUE CHARGE LINE	
5	EA	83096	CLV-6R 6 IN RED CHARGE LINE	
5	EA	83098	CLV-6Y 6 IN YELLOW CHARGE LINE	
5	PKG	83090	P90513 DEPRESSOR F/HOSES&CPLRS 5/PKG	

3/8" Charging Hoses



CL6HD-72
- Heavy Duty
- Reduces permeation
- 900 psi working pressure
- 3500 psi burst
- Straight fittings by straight fittings

CL6-60Y
- Environmental
- 600 psi working pressure
- 3000 psi burst
- Gasket seal fittings
- Lined with kevlar

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83077	CL6HD-72 3/8IN X 72IN HEAVY DUTY BLACK CHARGING HOSE	
1	EA	83223	CL6-60Y 3/8 IN X 60 IN YELLOW ENVIRONMENTAL CHARGING HOSE	

Hose Replacement Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54807	33112N 1/4 IN QC X 1/4 IN SAE REFRIGERANT SHUT OFF COUPLER	
1	EA	54809	33112RK SECURE SEAL REPAIR KIT	
1	EA	54808	33113N 1/4 IN QC X 1/4 IN SAE REFRIGERANT SHUTOFF COUPLER 90	
1	PKG	55784	P509-10 1/4 IN CAP,HOSE & COUPLER GASKET 10PK	
1	PKG	55785	P511-10 1/4 IN CAP GASKET 10/PK	
1	PKG	55781	P90016 3/8 IN GASKETS 10/PKG	
1	PKG	55786	P90022 REPLACEMENT O-RING 10/PK	
1	PKG	55787	P90514 1/4 IN DEPRESSOR HOSE & COUPLER 5/PK	
1	EA	83284	T21295 SNAP RING PLIERS	

Liquid Charging Adapter



Liquid charging is recommended when charging blends into refrigeration and air conditioning systems, and a liquid charger adapter is necessary for safe and fast liquid charging through the low side of the system.

- 1/4" liquid charging adapter.
- Metering element reduces liquid flow to a level below capacity of compressor.
- Accepts liquid refrigerant from the cylinder and discharges into low side of the system.
- Eliminates time and effort of heating cylinders.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54795	LC-4 LIQUID CHARGING ADAPTER	

Manifold Seal Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	82048	65116/600R DIAPHRAGM REPLACEMENT SEAL KIT	

Superheat Calculator

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93865	SUPER COOL SLIDE RULE	

9010A Refrigerant Scale



- Three display modes.
- Very high resolution.
- Extreme accuracy.
- 110 pound/50kg capacity.
- Can be used with all refrigerants.
- Completely portable, battery powered.
- Two year warranty.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82429	TIF9010A SLIMLINE SCALE	

Wey-Tek Refrigerant Charging Scale



713-202-G1



719-202-G1

713-202-G1

- 220 lbs. capacity
- Durable weighing platform
- Measures in lbs./ozs., kgs., or decimal lbs.
- Simple controls
- Large LC for easy viewing, even in direct sunlight
- High-accuracy load cell won't drift
- Automatic and manual zeroing
- Hard plastic carrying case included
- 1-year replacement warranty

719-202-G1

- 250 lbs. cCapacity
- Plastic carying case included
- Battery life approx 80 hours
- Wireless range 30 FT.
- Results may vary
- 2 year replacement warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96074	713-202-G1 WEY-TEK REFRIG CHARGING SCALE	
1	EA	96169	719-202-G1 WEY-TEK HD WIRELESS REFRIGERANT CHARGING SCALE	

Atlas Wireless Refrigerant Charging Scale



- Email accessible data logging
- Job time recording
- Bluetooth 4.0
- LED connectivity and power lights
- Battery life approximately 60 hours
- 250 lbs. capacity

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83285	DS-20000S ATLAS WIRELESS REFRIGERANT CHARGING SCALE	

INFICON Leak Detectors



Tek-Mate™ Handheld Refrigerant Leak Detector

- Heated diode sensor technology.
- Sensitive to all CFCs, HFCs, and HCFs.
- Automatically adjust for different refrigerants.
- Automatically compensates for changing background contamination.
- Reliable, even under damp conditions.
- Variable-intensity audible alarm to help pinpoint leaks.
- Uses two D-size batteries.



D-Tek™ Select Cordless Refrigerant Leak Detector

- Equally sensitive to all refrigerants, including R-22, R-134A, R-404A, R410a, R-507 (AZ-50) and all CFCs HCFCs and HFCs.
- 800-hour infrared cell life for low cost of ownership.
- On-board diagnostics indicate charging status and warn of low battery or infrared cell failure.
- NiMH power stick is environmentally friendly, won't corrode, and provides greater charging capacity.
- Includes hard plastic case, NiMH power stick, 12V and 120V adapter/recharger, tip filters and infrared cell.



Gas-Mate® Combustible Gas Detector

- Sensitive to 5 PPM methane
- Innovative touch pad for sensitivity control
- Runs on two "D" batteries (included)
- Detects natural gas, propane, butane, cyclopentane, ethane, ethanol, isobutane and ammonia
- 3-year replacement warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96083	705-202-G1 TEK-MATE REFRIG LEAK DETECTOR	
1	EA	96084	712-202-G1 D-TEK SELECT LEAK DETECTOR	
1	EA	96073	718-202-G1 GAS-MATE COMBUSTIBLE GAS DETECTOR	
1	EA	96082	703-020-G1 REPLACEMENT SENSOR	

Prowler Leak Detector



The LD 5000 Prowler uses a new proprietary electrochemical sensor technology for unparalleled accuracy coupled with the unique features. The LD 5000 uses a long life sensor that is designed to detect more current and more difficult HFC refrigerants (R-134a, R-410A, R-404A, R-407C, R-507) in addition to all HCFC (R-22) refrigerants including SNAP approved hydrocarbon blends.

- Electrochemical sensor
- Immediate respons time
- Leak indication through vibrating handle, audio alarm, and bar graph on the LCD screen
- Automatic zero
- Operates on 4 AA batteries for 10 continuous hours
- Warm up time is less than 30 seconds

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83177	LD5000 PROWLER REFRIGERANT GAS LEAK DETECTOR	

LDC-4000 Leak Detector

Combustible Gas and HC Refrigerant



The LDC-4000 has a solid state heated sensor for high sensitivity to all HC refrigerants and combustible gases including methane, propane, isobutene, butane, ethane as well as acetylene, methanol, acetone, gasoline, and others. Detects leaks as low as 5 ppm of methane.

- Audible alarm
- Long life stable sensor
- Automatic calibration
- Automatic reset to ambient
- Assembled in USA
- 24 month warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83291	LDC-4000 COMBUSTIBLE GAS & HC REFRIGERANT LEAK DETECTOR	

TIF-ZX Refrigerant Leak Detectors



- Detects all halogenated refrigerants including R-410A
- Tri-color visual leak size indicator
- True mechanical pump provides instant response and clearing
- Includes flexible stainless probe, carrying case, and re-charger
- Patent pending Heated Pentrode™ sensor technology
- Meets SAE J1627
- 3 year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82983	TIF-ZX LEAK DETECTOR	
1	PKG	82430	TIF XP-2 REPLACEMENT TIPS W/PROTECTORS	

Maintenance Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82447	TIF555 MAINT KIT-5550/5650/5750	

Micro UV Leak Detector Kit



UV LED flashlight and dye kit with injector for air conditioning and refrigeration systems.

NOTE: Dye not for direct injection into R-410A systems due to high pressure

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82643	69789 MICRO UV KIT W/INJECTOR	
1	EA	82645	69727 SINGLE 1 OZ. DYE INJECTOR	

SPECTRONICS CORPORATION Fluorescent Leak Detection Flashlights



OPX-400CS

OPX-400CS Optimax 400 Flashlight

- Violet light LED
- Power comparable to high-intensity 150-watt lamps
- Inspection range of up to 25 ft or more
- Works with all popular universal/POE dyes
- 100,000- hour LED service life
- Rugged, corrosion-resistant, and anodized lamp body stands up to years of heavy use
- Powered by 3 "AAA" batteries (included)
- Includes lanyard, holster, and flourescence-enhancing glasses



OLX-400

OLX-400 OPTI-LUX™ 400 Flashlight, Rechargeable

- Violet light LED
- Power comparable to high-intensity 150-watt lamps
- Inspection range of 25 feet (7.6 m) or more
- Works with all popular universal/POE dyes
- 100,000-hour LED service life
- Owered by one rechargeable lithium-ion battery (included)
- 4 hours of continuous inspection time between charges
- Includes smart battery charging cradle with AC and DC cord sets, lanyard, and fluorescence-enhancing glasses

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3	EA	82733	OPX-400CS OPTIMAX 400 UV LED FLASHLIGHT	
1	EA	82736	OLX-400 OPTI-LUX 400 LEAK DETECT FLASHLIGHT RECHARGEABLE	

SPECTRONICS CORPORATION

Leak Detector Kits



EZ100-CS



OPK-40EZ/E

EZ100 Dye Injection System

- For small to medium sized AC&R systems (Up to 75 pounds of refrigerant or 6 gallons of lubricant).
- Just one connection. No additional refrigerant needed for injection-a turn of the handle is all it takes.
- Each prefilled, disposable cartridge treats up to 25 pounds of refrigerant or 2 gallons of lubricant.
- Calibrated cartridge provides exact dosing for multiple systems.
- Replace empty cartridge in seconds.

OPK-40EZ/E Complete EZ-Ject Kit

Versatile, multi-dose dye cartridges. Each treats up to 2 gallons of lubricant or 25 lbs of refrigerant. Add fluorescent dye with system off or running.

- EZ-50 EZ-Ject™ dye injector
- EZ-25 hose/coupler with check valve, low-loss fitting and purge fitting
- (2) EZ-4/E .5 oz universal/POE dye cartridges
- 8 oz spray bottle GLO-AWAY dye cleaner
- (3) Drip plugs for hose/coupler
- Fluorescence-enhancing glasses
- Rugged carrying case

Fluorescent Dye	For Systems Using	Treats
EZ4/ECS	Polyol Ester Mineral Oil Alkyl Benzene	Up to 25 lbs. of refrigerant Up to 2 gallons of lubricant
GS-1/ECS		Up to 4.9 lbs. of refrigerant Up to 1.6 qts. of lubricant
GS-2/ECS		5 to 9.9 lbs. of refrigerant 1.7 to 3.2 qts. of lubricant
GS-3/ECS		10 to 25 lbs. of refrigerant 3.3 to 2 gallons of lubricant

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82521	EZ100-ECS DYE INJECT KIT FOR MINERAL OIL SYSTEMS	
3	EA	82732	OPK-40EZ/E COMPLETE EZ-JECT KIT	

Bleed Valve

1	EA	82492	BV-50 BLEED VALVE	

Fluorescent Dyes

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Polyol Ester-Up to 25 lbs. of refrigerant or up to 2 gallons of lubricant	6	EA	82650	EZ4/ECS UNIVERSAL CARTRIDGE	
Ester-Up to 4.9 lbs. of refrigerant or up to 1.6 qts. of lubricant	6	EA	82553	GS-1/ECS 1/2OZ GLO-STICK CAPSULE	
Ester-5 to 9.9 lbs. of refrigerant or 1.7 qts. to 3.2 qts. of lubricant	6	EA	82554	GS-2/ECS 1/2OZ GLO-STICK CAPSULE	
Ester-10 to 25 lbs. of refrigerant or 3.3 qts. to 2 gallons of lubricant	6	EA	82555	GS-3/ECS 1/2OZ GLO-STICK CAPSULE	

Combustion Analyzer Kits



C155Kit Eagle 2X

The Eagle 2X extended life system analyzer uses new Electro-Optical Sensor (EOS) technology that takes direct CO2 measurements and calculates the O2 level. This CO2 sensor has no physical contact with the gas, so there is no deterioration of the sensor over time and calculations remain highly accurate for a long period of time.

- Measures CO2 (EOS technology), CO, and inlet flue temperatures
- Worklight
- 4 line backlit LCD display
- Individual report printouts
- Time and date stamp
- Low battery indicator
- Field replaceable sensors
- 5 year limited warranty (including sensor)

C155 Kit Includes:

- C155 analyzer
- Flue probe
- IR printer
- (2) K-type temp probes
- (2) static pressure hoses
- (1) true draft probe
- Gas tap and hose
- AC adapter/charger
- Hard case
- (2) printer paper rolls
- (2) particle filters
- Batteries
- Quick start guide and owners manual



Smart Bell Plus Kit

- Measures CO, CO2, and temperature
- Calculates O2, excess air and efficiency
- Dual scale pressure differential measurement
- 5-year limited warranty on Smat Bell Plus combustion meter
- 3-year limited warranty on EM201 manometer.

Smart Bell Plus Kit Includes:

- Smart Bell Plus Combustion Meter
- Digital Manometer (EM201)
- Flue probe (KMCP70)
- Protective boot with magnet (SBOOT)
- Soft carrying case (AC73)
- Pressure tubes with brass fitting (2 BF100)
- Battery (9V)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82714	C155KIT EAGLE 2X COMBUSTION/SYSTEM ANALYZER	
1	EA	82722	SMART BELL PLUS KIT/CO30KIT COMBUSTION METER KIT	
1	EA	82718	17631 PARTICLE FILTER	

CO95 Carbon Monoxide Analyzer



Measures

- CO concentration in flue gas
- Ambient CO levels
- CO to 1999 ppm
- Temperature range from 32° to 1112° F

Features

- Long-life (5-years) CO sensor
- CO max capture
- Auto zero at power-up
- Link to optional infrared printer
- 5 year limited warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82728	CO95 CARBON MONOXIDE DETECTOR LONG LIFE	

COA1 Carbon Monoxide Detector Adapter



- Use with compatible iPhone or Android smart phones
- Free App displays 3 visual danger levels
- App allows logging and emailing capabilities
- Compatible with select UEi clamp meters: DL429, DL389,DL379B, DL379
- Clamp meter use requires clamp head adapter CHA1 (not included)
- 1-Year limited warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82737	COA1 CO DETECTOR ADAPTER	

Gas Leak Detectors



CD100A

- Easy one hand operation
- Simple adjustment tic rate
- Long 18" gooseneck
- Tip light in sensor cover illuminates the area of the leak
- Headphone jack



C071A

- Displays CO from 0 to 999 ppm.
- Tri-color LED indicates concentrations at 3 levels.
- Auto Zero activates upon turn on.
- MAXCAPTURE continually updates to provide the highest CO reading.
- Audible alert triggers above 35 ppm indicating threshold of dangerous CO concentration.
- Three year limited warranty.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82547	CO71A CO DETECTOR	
1	EA	82713	CD100A COMBUSTIBLE GAS LEAK DETECTOR	

Gas Leak Detector



- The TIF8800X is a battery-operated combustible gas detector that provides a ticking signal that increases in frequency as the source of combustible gas or vapor is approached.
- LED leak level indicator
- Sensitivity as low as 1 ppm (gasoline)
- Automatic warm up
- Flexible 14" wand for hard to reach places

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82982	TIF8800X COMBUSTIBLE GAS DETECTOR	
1	PKG	82452	TIF8806A BATTERIES 2/PKG	

Smokeys Cartridges



Smoke emitter cartridges provide effective, low cost leak testing of heat exchangers, air ducts, tanks, and boilers. Visual air balancing of HVAC systems. Cartridges produce clean, non-toxic, oil-free smoke through chemical reaction. Use also for fire drills as well as the placement and testing of smoke alarms/detectors.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	PKG	82334	14145 SMOKE CARTRIDGES 10/PKG	

M-500 Megohmmeter



The M-500 was specifically designed as an inexpensive alternative to costly, taut band type megohmmeters. This battery operated instrument provides an accurate measurement range up to 1,000 megohms at 500 VDC to read insulation values.

Two test leads are furnished and stored within the durable shock resistant thermoplastic case. The M-500 comes complete with operating instructions, user manual, and a handsome, zippered vinyl carrying case.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82470	M-500 MEGOHMMETER	

Magjumper Magnetic Jumper Test Leads

20" Wire with 2 Magnetic Tips



Magjumper is a magnetic jumper for low voltage troubleshooting. It features a 20" length with magnetic tips that won't pop off like alligator clips sometimes can. It stays flexible even in cold weather and is perfect for recessed terminals. Ideal for use on control boards, zone panels, thermostats, hydronics and automation controllers.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82245	MAG-1 MAGJUMPER TERMINAL KIT	

Non-Contact Voltage Tester



- Detects 12-1000V AC
- Simultaneous visual and audible voltage indicators
- Bright flashlight illuminates work area
- IP67: Dustproof and waterproof

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83699	NCVT-3 NON-CONTACT VOLTAGE TESTER W/FLASHLIGHT	

GE TECMate PRO Service Tool

ECM Motor Analyzer



The new GE TECMate PRO Service Tool is the latest advance in ECM technology developed by and for GE Motors. The Tecmate allows the service technician to analyze a GE ECM motor independently of the HVAC system in which it is installed. The Tecmate can test all the basic settings of a GE ECM motor, and can detect and isolate motor failures from HVAC system failures.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83050	08500 GE TECMATE PRO SERVICE TOOL	

Non-Contact Voltage Tester



- Automatically detects and indicates low voltage (12-48 volts AC) and standard voltage (48-1000 volts AC), allowing broad application.
- Digitally controlled ON/OFF power button.
- Auto power-off feature conserves and extends battery life.
- CAT IV 1000 volt rating provides expanded operation and protection.
- Package contains insert card with integrated owner's manual and 2 AAA 1.5 volt batteries.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83629	NCVT-2 DUAL RANGE NON CONTACT VOLTAGE TESTER	

Clamp-on Digital Multimeters



DL479 CATIII/CATIV True RMS

- Manual ranging option
- Auto calibration
- Non-contact voltage detection
- Min/Max/Hold
- Auto power off
- Test lead storage
- 2-year limited warranty
- Magnetic mount
- Worklight
- Backlight
- Low battery indicator
- Frequency/Duty cycle
- Resistance 60MΩ
- DC microamps 2000µA
- Capacitance 2000µF
- Temperature 14° to 752° F
- 750V AC/600V DC



DL429 Wireless and ΔT True RMS

- Wireless to app
- RF or Bluetooth® wireles
- iOS® and Android™ compatible
- Dual display
- Min/Max/Hold
- 2-year limited warranty
- Magnetic mount
- Worklight
- Backlight
- Low battery lockout
- Frequency/Duty cycle
- Resistance
- DC microamps 2000µA
- Capacitance
- Diff. temperature -22° to 752° F
- 750V AC/1000V DC
- 600A AC



DL389 Combo G2 Phoenix PRO+ True RMS (Includes ATTP2 Clamp Adaptor)

- Dual display
- User temperature calibration
- Auto power off
- Test lead storage
- Min/Max

1 3-year limited warranty

- Detachable clamp head
- Magnetic mount
- Worklight
- Backlight
- Low battery display lock
- Frequency/Duty cycle
- Resistance 40MΩ
- Capacitance 4000µF
- AC/DC current 2000µA
- 750V AC/1000V DC
- Non-contact 24 to 600V AC
- Temp. Range -22 to 752° F



DL379B NCV and CAT IV 300V Rating

- Dual display
- User temperature calibration
- Auto power off
- Test lead storage
- Min/Max
- 3-year limited warranty
- Detachable clamp head
- Magnetic mount
- Worklight
- Backlight
- Low battery display lock
- Frequency/Duty cycle
- Resistance 40MΩ
- Capacitance 2000µF
- AC/DC current 2000µA
- 750V AC/1000V DC
- Non-contact 24 to 600V AC
- Temp. Range -22 to 752° F

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82739	DL479 AC 600A TRMS HVAC/R CLAMP METER	
1	EA	82734	DL429 TRUE RMS WIRELESS HVAC CLAMP METER W/DELTA T	
1	EA	82724	DL389COMBO PHOENIX PRO+ TRMS CLAMP- ON DMM W/PIPE CLAMP ADAPTER	
1	EA	82735	DL379B DIGITAL CLAMP ON METER	

DM393 Digital Multimeter



- All inputs, ranges and functions protected to 1000V CAT III.
- Capacitance measurement from 40.00nF to 100.0uF.
- 0.5% basic DC accuracy.
- Frequency measurement to 10MHz.
- Temperature measurement using K-type thermocouple (included).
- True RMS AC Volts and Amps.
- Autoranging.
- Five year limited warranty.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82627	DM393 TRUE RMS DIGITAL MULTIMETER	

Multimeter Accessories



ATTPC3

ATL301KIT Test Lead Kit Includes

- Straight to right angle standard test leads
- 2 fine-point leads
- Pair of alligator clips
- Grabber clips
- Carrying pouch

ATTPC3 Pipe Clamp Probe

- Thermocouple temperature probe for use with K-Type inputs
- Works with DL379, DL389, C155, and more
- Fits 1/4" to 1-1/2" pipes
- Temperature Range -40 to 250° F
- 1-year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82709	ATL301KIT TEST LEAD KIT	
5	EA	82587	ATL55 RUBBER INSULATED TEST LEADS	
1	EA	82738	ATTPC3 K-TYPE PIPE CLAMP ADAPTER	
1	EA	82716	ATT29 4 FT FIBERGLASS STANDARD TEMPERATURE PROBE K-TYPE	
1	EA	82581	ATT29A 4 FT STANDARD TEMPERATURE PROBE K-TYPE	

DAVM+ Digital Air Flow/Volume Meter



Measure Air Flow (FPM) and volume (CFM) in the palm of your hand. Compact and easy to use, the DAVM+ also measures temperature, humidity and light. Ideal for air balancing and other indoor air quality applications.

- ° F and ° C selectable
- Multi-channel display
- Data hold feature
- Standard K-type thermocouple connector

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83087	DAVM+ DIGITAL AIR FLOW/VOLUME METER	

DAFM4 Digital In-Duct Mini Vane Anemometer



- Telescoping anemometer vane
- Measures: air velocity, temperature, RH%
- Calculates: air volume, wet bulb, dew point
- In-duct or grille surface measurements
- Up to 1 hour accumulative average
- 3-year limited warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82727	DAFM4 SMALL VANE DIGITAL AIR FLOW METER	

Fieldpiece STA2 In-Duct Hot-Wire Anemometer



- CFM calculated from air velocity and free area
- Displays any 2 readings at once: realtime CFM, air velocity, or temperature
- Slim 38" telescopins probe for in-duct traversirs
- Minimizes effect of turbulence with time/test point averages
- Hands-free testing with stabilizing cone and magnetic hanser

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81977	STA2 IN-DUCT HOT WIRE ANEMOMETER	

Airflow Balancing Meters



ABM-100 Smartphone Anemometer

Connects to your smart device via the audio jack and is compatible with both iOS and Android devices. The ABM-100 easily and instantly converts air speed into air volume. It then records the data to a history log which can be emailed for professional looking reports.

Measures Airflow In:

- Linear feet per minute
- Cubic feet per minute
- Cubic meters per hour
- Linear meters per second



BM-200 Wireless Airflow & Environmental Meter

Wirelessly connects to iOS and Android Devices. The ABM-200 Airflow & Environmental Meter has all of the features of the extremely popular ABM-100 plus it is wireless. It also has temperature, humidity, and pressure sensors.

Accurately Measures and Records:

- Temperature differential
- Dry bulb temperature
- Wet bulb temperature
- Heat index
- Relative humidity
- Dew point
- Barometric pressure
- Air density
- Indoor vs. outdoor conditions
- Wind Speed/Direction/Gusts



EXP-64 Extension Pole

The EXP-64 is an extra-long reinforced 18"–64" adjustable extension pole with rugged grip and 1/4" 20 universal mount. For use with the ABM 200.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82891	ABM-100 ANEMOMETER	
1	EA	82892	ABM-200 WIRELESS-SMARTPHONE ANEMOMETER	
1	EA	82893	EXP-64 EXTENSION POLE	

Meters and Gages



460 Air Velocity Meter
High range 1000-4000 F.P.M., low range 260-1200 F.P.M.

A303 Static Pressure
Inches W.C. (plus or minus readings): high range .05-1.0"; low range .005-.09.

1227 Dual Range Manometers
These flex-tubes, U-inclined mannometers include carrying plugs, 4-1/2' length Tygon tubing, non-kink connectors, 1/8" pipe thread to rubber tubing adapter, gage fluid, 2 magnetic mounting clips, brass terminal tube and vinyl carrying case.
Range Vertical: 0-16" w.c., with 1" Major DIV, .2 Minor DIV.
Range Inclined: -.20 to 0 to 2.6" w.c., .02 Minor DIV.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82526	460 AIR METER	
1	EA	82522	1227 DUAL RANGE MANOMETER	
1	EA	82528	A101 3/4 OZ RED GAGE OIL	
1	EA	82524	A303 PORT STATIC PRES TIP	

1212 Gas Pressure Kit



A complete kit for checking gas pressures in virtually all gas appliances such as water heaters, furnaces, stoves, and dryers.

Kit Includes:
1 - #1211-16 slack tube manometer, reads pressure to 16" water.
1 - Fluorescein green color concentrate with wetting agent, 3/4 oz. bottle.
2 - 1/8" pipe thread rubber tubing adapters.
1 - 1/8" to 1/4" pipe thread bushing.
1 - 3/16" rubber tubing, 3 ft. long.
1 - Rubber tubing adapter to fit standard 7/16" dia. spud.
1 - Plastic carrying case, 8-1/2" x 7" x 3-1/8"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82527	1212 GAS PRESS KIT	

Gas Pressure Test Kits and Test Gauges



Gas Pressure Test Kits

These diaphragm gauge scales come complete with case, hose, and hook-up fitting.

- **Model 29435:** Scales 0–20 oz./sq. in.; 0–35" w.c. For natural and LP gases.
- **Model 29436:** Scales 0–6 oz./sq. in.; 0–15" w.c. For natural gas only.



Gas Pressure Test Gauges

Test newly installed systems for pressure leaks. Easy-to-read 3-1/2" test gauges. 0–30 lb. psi.

- **Model GTBG-12:** 3/4" bell end. Fits 3/4" pipe.
- **Model GTBG-16:** 1" bell end. Fits 1" pipe.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83256	29435 NATURAL AND LP GAS PRESSURE TEST KIT W/HOSE	
1	EA	83257	29436 NATURAL GAS PRESSURE TEST KIT W/HOSE	
1	EA	83255	GTBG-12 0-30LB 3/4 IN GAS TEST GAUGE	
1	EA	83254	GTBG-16 0-30 LB 1 IN GAS TEST GAUGE	

Cooper ATKINS Surface Mount Thermometers



6142-20



DM120

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81156	6142-20-3 -40/60F 2IN DIAL FRONT FLANGE PANEL THERMOMETER	
1	EA	81165	DM120-0-3 -40/120 2IN FRONT FLANGE DIGITAL PANEL THERMOMETER	
1	EA	81166	DM120S-0-3 -40/120F 2IN BACK FLANGE DIGITAL PANEL THERMOMETER	

Cooper ATKINS Temperature and Humidity Instruments



4005I



SH66A



SRH77A

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81170	1075 -40/300F GENERAL PURPOSE THERMISTOR PUNCTURE PROBE 3.5"	
1	EA	81171	2010 -100/200F 0.5 IN AIR/SURFACE THERMISTOR PROBE	
1	EA	81173	4011 PIPE STRAP THERMISTOR PROBE WITH STRAP	
1	EA	81186	4005I -40/300 CORDLESS PIPE CLAMP THERMISTOR INSTRUMENT	
1	EA	81168	SH66A-E -40/300F INDUSTRIAL 3 ZONE THERMISTOR TEMPERATURE	
1	EA	81169	SRH77A-E -40/300F TEMPERATURE HUMIDITY WET BULB INSTRUMENT	

Fieldpiece JL2 Transmitter and Wireless Meters

Use Job Link™ App with Mobile Device



JL2



SC660



SDP2

JL2 Job Link Transmitter

Use the JL2 transmitter and the Job Link app to run jobs through a mobile device*. Fill-out inspection checklists, view live measurements, gather in-depth diagnostics, and email the report.

All job data is saved in the cloud so you can access them from any mobile device.

- Live measurements
- Trusted diagnostics
- Inspection check lists
- Cloud storage
- Report emailing

* iPhone 4S or newer, iPad3, mini, and Air. Android OS 4.4.4 or newer.

SC660 Wireless Swivel Clamp Meter

- Job Link mobile app compatible
- 3-phase rotation testing with two leads
- Record motor startup with inrush current
- Backlit display
- DC Amps

SDP2 Dual In-Duct Psychrometer

- Job Link mobile app compatible
- Simultaneous in-duct supply and return evaporator readings
- Reacts instantly to changing conditions
- Measures supply and return wet-dry bulb

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81974	JL2 JOB LINK TRANSMITTER	
1	EA	81976	SC660 WIRELESS SWIVEL CLAMP METER	
1	EA	81975	SDP2 WIRELESS IN-DUCT DUAL PSYCHROMETER	

Fieldpiece SDMN6 Dual Port Manometer

and Pressure Switch Tester



- Measure gas, static and differential pressure
- Easily calibrate any adjustable pressure switch
- Diagnose furnace performance

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81973	SDMN6 DUAL PORT MANOMETER	

Cooper ATKINS Pocket Test Thermometers



DFP450W

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	81184	CT180-51-6 -40/180 F BIMETAL POCKET TEST THERMOMETER (NEON)	
1	EA	81183	DFP450W-0-8 DIGITAL POCKET TEST WATERPROOF THERMOMETER	

Cooper ATKINS Thermometers



25HP



335



1246

Refrigerator/Freezer Thermometers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81151	25HP-01-1 -20/80 DEG REFRIGERATION /FREEZER THERMOMETER	
1	EA	81152	335-01-1 -40/80 DEG REFRIGERATION FREEZER GLASS TUBE THERMOMETER	

Pocket Thermometers—1" Diameter Head; 5" Stem

1	EA	81162	1246-01-1 -40/180 F 1 IN DIAL BI- METAL POCKET TEST THERMOMETER	
1	EA	81163	1246-02-1 0/220F 1 IN DIAL BI- METAL POCKET TEST THERMOMETER	

PSG Kwik-Therm Digital Thermometer

With Swivel Head



- Stem: 5" stainless steel
- Display: LCD in 0.1° F increments
- Range: -50° to 300° F

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83153	PAD-300 -50/300F DIGITAL POCKET THERM	
1	EA	83149	BAT-393 REPL BAT FOR PAD-300 DIGITAL POCKET THERM	

DTH35 Digital Pocket Psychrometer

Designed for In-Duct Measurement



- Measures temperature and relative humidity
- Calculates wet bulb, dew point, and enthalpy
- Probe cover works as an extension for hard to reach areas
- 1 Year Limited Warranty
- Magnetic Mount
- Large digit backlit display
- Min/Max
- Data hold

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82729	DTH35 DIGITAL PSYCHROMETER	

EM151, EM152 and EM201SPKIT Manometer

Digital Alternative to U-Tube Pressure Measurement



EM151 EM152



EM201SPKIT

EM151 Electronic Manometer

- Single input to measure positive and negative pressure to 20 inch wg.
- Simple two-button operation
- 32 to 104° F
- 10 to 90% RH
- Three year limited warranty

EM201SPKIT Static Pressure Kit

- Three Scale: In WG, mBar and PSI
- 32 to 104° F
- 10 to 90%RH
- Min/Max
- Three year limited warranty

EM152 Digital Manometer

- Dual input differential measurment up to 80.27 inches of water column within rang
- Magnetic mount
- Auto ranging
- Backlit display
- Data hold
- 1-year limited warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82712	EM151 ELECTRONIC MANOMETER	
1	EA	82723	EM201SPKIT STATIC PRESSURE KIT	
1	EA	82744	EM152 DUAL DIFFERENTIAL DIGITAL MANOMETER	

DT221 and DTK2 Digital Temperature Testers



DT221 DTK2

DT221 Digital Temperature Tester

- Single thermocouple input
- Temperature range: -328° to 2498° F (k-type)
- MIN, MAX, AVG and Hold
- Relative mode
- Hi/Lo Alarm (T1 Only)
- Accepts J, K type thermocouples
- 3 Year limited warranty

DTK2 Differential Thermometer

- Temperature range: -328° to 2498° F
- Dual input with differential (T1 - T2)
- Min/Max capture (T1 and T2)
- Auto power off with disable feature (15 minutes)
- Large LCD screen
- °C / °F select function
- Magnetic mount

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82717	DT221 SINGLE INPUT DIGITAL TEMPERATURE LOGGER	
1	EA	82726	DTK2 DUAL INPUT DIFFERENTIAL THERMOMETER	

Thermometers

Digital and Infrared



550B



INF165C



INF195C



PDT550



PDT650

550B Digital Pocket Thermometer

- Protective boot with magnet for easy use
- Water resistant
- -58 to 572° F
- MIN/MAX record
- Data hold
- 3-year limited waranty

INF165C Infrared Thermometer

- -76° to 1022° F
- Circular laser targeting
- Max value capture
- Fixed emissivity (0.95)
- Auto power off
- 1-year limited warranty

• INF195C Infrared Thermometer

- -76° to 1022° F (Non-contact infrared scan)
- -83° to 1999° F (K-Type thermocouple probe scan)
- Circular laser targeting
- Min/Max/Avg/Diff
- 3 Emissivity levels: (0.30, 0.70, 0.95)
- Hi/Low alarm (user adjustable)
- Blacklit display
- 1-year limited warranty

PDT550 Digital Pocket Thermometer

- -58 to 571° F
- Built-in magnetic mount
- MIN/MAX record
- Data hold
- Dual purpose probe cover serves as thermometer extension
- 3-year limited warranty

PDT650 Digital Folding Pocket Thermometer

- Fold-out stainless steel temperature probe
- -58 to 572° F (-50 to 300° F)
- Built-in magnetic mount
- MIN/MAX record
- Auto power off
- Large, easy-to-read display
- 3-year limited warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	82702	550B DIGITAL POCKET THERMOMETER	
1	EA	82742	INF165C 12:1 INFRARED THERMOMETER W/CIRCULAR LASER	
1	EA	82743	INF195C 12:1 INFRARED THERMOMETER W/K TYPE INPUT	
5	EA	82568	PDT550 F/C DIGITAL POCKET THERMOMETER	
5	EA	82725	PDT650 FOLDING POCKET THERMOMETER	

2268-20 12:1 Infared Temp-Gun™



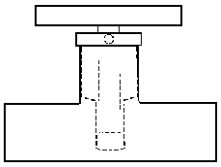
- Surface temperature measurement from -22 to 1022° F
- 12:1 distance to spot ratio. Measures a one foot spot from 12 feet away.
- User configurable High/Low temperature alert.
- Rugged over-molding increases durability and user grip
- Modes: Hold, Max, Min, Diff
- 0.95 fixed emissivity
- 9V battery (included)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81033	2268-20 12:1 INFRARED TEMP GUN	—

GS250 Thermometer with Thermowell



Sweat Well



Thermometer Installed with Well

- Steel case and
- Brass well
- 1/2 sweat x 2 inches long
- 32° F to 250° F temperature range
- Brass thermowell is included to allow the thermometer to be removed without draining the system.



GS250

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81330	GS250/U 2-1/2" THERMOMETER W/WELL	—

Thermometers


25SD


5VBM-4


9VU-35


DVU-35/DVD-9


E35


HW5A2


HW5S2

25SD Solar Thermometer
- 40-0-160° F or 40-0-70°C
- 3/8" LCD
- Light Rating: 30 Lux to 50,000 Lux
- Sensor Length: to 40 ft.
- NSF accuracy for food zone applications

5VBM Silicon Filled Bimetal Thermomoters
- For applications involving severe vibration Silicon filling dampens and lubricates the internal parts which reduces pointer flutter and prolongs instrument life
- Rapid temperature response
- 4" Stem length including thread.
- 1/2"NPT.

9VU 9" Scale Vari-Angle Thermometers
- Industrial glass.
- For chilled and hot water installations with 3-1/2" stem.

DVU-35/DVD-9 Digital Vari-Angle Thermometers
- For hydronic applications.
- Self powered.
- With-in 1% accuracy.
- Bi-metal stem assembly.

E35 Thermowell
- For use with industrial type thermometers
- 3-1/2" socket.
- 3/4" NPT.
- HW Thermometers
- For small pipeline applications for chilled and hot water installations.
- Suited to limited space requirement.
- 5-1/2" scale.
- 1/2" NPT
- 40 to 260° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81343	25SD-160 1"X4" HORIZ SOLAR THERMOMETER	
1	EA	81329	5VBM-4 4IN STEM 1/2IN NPT 0-250F W/RECALIBRATOR	
1	EA	81334	9VU35-160 VARI-ANGLE 0/160 F INDUSTRIAL GLASS THERMOMETER	
1	EA	81333	9VU35-240 VARI-ANGLE 30/240 F INDUSTRIAL GLASS THERMOMETER	
1	EA	81344	DVD-9 9" STEM DIGITAL VARI-ANGLE THERM	
1	EA	81328	DVU-35 3-1/2IN IND STEM DIGITAL VARI-ANGLE THERM	
1	EA	81335	E35 3-1/2IN THERMOWELL	
1	EA	81337	HW5A2 6IN ANGLE HOT WATER 40-260F THERMOMETER	
1	EA	81336	HW5S2 6IN STRAIGHT HOT WATER 40-260F THERMOMETER	

Vacuum Gauge



This 2" dial gauge with a 1/4" NPT bottom stem connection provides economical indication of vacuum from 30 to 0 inches of mercury. Typically installed on vacuum pumps, vacuum return lines, and vacuum-operated processing equipment.
- Accuracy: ANSI Grade B 2%
- Range: 30-0" Hg. Vacuum
- Ambient Temperature Range: Should not exceed -40° to 160° F. (-40° to 71°C.)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81305	TL25-VAC 30-0 HG VAC GAUGE	

General Purpose Equipment Gauges



Furnished in 1/4" NPT. Bottom connected steel cases the 2-1/2" dial. Gauges measure water, air, oil, gas, steam, or any other medium not corrosive to brass and phosphor bronze.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81306	TL25-030 0-30 PSI GAUGE	
1	EA	81307	TL25-060 0-60 PSI GAUGE	
1	EA	81308	TL25-100 0-100 PSI GAUGE	
1	EA	81310	TL25-200 0-200 PSI GAUGE	
1	EA	81311	TL25-300 0-300 PSI GAUGE	

HVAC and Utility Pressure Gauges

Produced Especially for Large Volume Users in the HVACR Field



- Corrosion resistant stainless steel case and ring.
- Balanced adjustable black pointer.
- Soft soldered phosphor bronze tube with brass socket. Suitable for steam, water, air, oil, gas, or any medium not corrosive to copper alloys.
- Phosphor bronze movement is recommended for average general use.
- Easy to read dial; white background with bold black numerals and graduations.
- 1/4" NPT bottom connection only.
- 1% accuracy.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81312	4CTS-030 0-30 PSI GAUGE	
1	EA	81313	4CTS-060 0-60 PSI GAUGE	
1	EA	81314	4CTS-100 0-100 PSI GAUGE	

Compound Gauges



For those installations requiring indication of either a pressure or a vacuum. (eg., When the atmosphere within a closed vessel is evacuated and then replaced with another gas and kept under pressure.)

- 2-1/2" dial. 1/4 NPT lower stem connection.
- Accuracy: ANSI Grade B (2%).

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81315	TL25-30-0-60 30-0-60 PSI GAUGE	
1	EA	81316	TL25-30-0-150 30-0-150 PSI GAUGE	

Low Pressure Diaphragm Gauges



Utilizes highly effective diaphragm sensing element to give accurate indication in low pressure or vacuum applications.

- 2-1/2" Dial. 1/4 NPT lower stem connection
- Accuracy: ANSI Grade A (1%)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81317	DG25 0-5 PSI DIAPHRAGM GAUGE	
1	EA	81318	DG25 35 IN @ 20 OZ/IN DIAPHRAGM GAUGE	

Pressure Gauges



- 2-1/2" glycerine filled gauge
- Bronze bottom connection
- Stainless steel case
- Thread on stem 1/4" NPT

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81319	LF25S1 1/4 LOWER 0-60 GAUGE	
1	EA	81320	LF25S1 1/4 LOWER 0-100 PSI GAUGE	
1	EA	81321	LF25S1 1/4 LOWER 0-300 PSI GAUGE	

Tridicators



Utilized on domestic boilers to indicate the operating conditions existing within hot water heating systems. Tridicator gauges indicate pressure, temperature, and system head in feet of water and features a movable pointer that can be set to mark the desired pressure and altitude of the installation.

PSI Range	Temp. Range Degrees F	Case Size	NPT	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
0-55	70-250	3-1/2	1/4	1	EA	81324	CTP25RX 2IN BACK CONN 1/4 NPT EXT BOILER GAUGE	
0-55	70-250	2-1/2	1/4	1	EA	81327	CTP25R 2IN BACK CONN 1/4 NPT BOILER GAUGE	

Tri-O-Meters



CTP40L



CTP40RSX

The Tri-O-Meter is designed for use on all types of hot water heating systems. The H Series indicates water pressure, water temperature, and offers kPa reading. The C Series indicates water pressure, water temperature, and system head in feet of water.

The Tri-O-Meter is a 3-1/2" square dial with 1/2" NPT in lower or rear connection. Bold markings and colors on a white dial ensure easy readability. The case is black epoxy coated steel with glass window.

PSI Range	Temp. Range Degrees F	Case Size	NPT	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
0-200	80-320	4	1/2	1	EA	81338	HTP40L LOWER CONN 1/2 NPT BOILER GAUGE	
0-75	60-260	4	1/2	1	EA	81339	CTP40L LOWER CONN 1/2 NPT BOILER GAUGE	
0-75	60-260	4	1/2	1	EA	81340	CTP40RSX BACK CONN 1/2 NPT BOILER GAUGE	
0-200	80-320	4	1/2	1	EA	81341	HTP40RSX BACK CONN 1/2 NPT BOILER GAUGE	

M12 Copper Tubing Cutter



- 12V lithium-ion battery
- Close quarter rotating cutting head
- Automatic adjustment from 3/8" to 1" tubing
- On board fuel gauge
- 200+ cuts per charge
- Water resistant sealed head and unibody construction
- 5 year warranty
- Speed: 500 RPM
- LED light

Kit Includes:
- Red Lithium battery
- Lithium-ion battery charger
- Carrying case

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80738	2471-21 M12 TUBING CUTTER KIT	
2	PKG	81074	48-38-0010 COPPER CUTTER WHEEL 2/PACK	

Ratchet Tube Cutter



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	82069	RTC623 MED RATCHET TUBE CUTTER	

Tube Cutters



70020



70027, 70029



70105

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83110	RT70015 1/8IN-1 1/8IN OD MINI MAX TUBE CUTTER	
1	EA	83101	RT70020 1/8IN-1 1/8IN OD ROTRAC 28 PLUS TUBE CUTTER	
1	EA	83103	RT70027 1/4IN-1 3/8IN OD 35 PRO TUBE CUTTER	
1	EA	83118	RT70029 1/4IN-1 5/8IN OD 42 PRO TUBE CUTTER	
1	EA	83116	RT70030 1/8IN-2 5/8IN OD RATCHET TUBE CUTTER	
1	EA	83113	RT70105 1/8IN-7/8IN OD MINICUT 2000 TUBE CUTTER	

Replacement Cutter Wheels

1	PKG	83120	RT70007B ROTRAC PLUS REPLACEMENT CUTTER WHEEL 2/PK	
1	EA	83202	RT70017B REPLACEMENT CUTTER WHEEL 2/PK	

Deburring Tool

Heavy duty universal internal/external deburring tool for copper and plastic pipes 1/8" to 1.3/8" OD



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83104	RT11006 1/8IN - 1 5/8IN OD INTERNAL/EXTERNAL REAMER	

Deburring Tool



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	80729	78932 HEAVY DUTY DEBURRING TOOL	

Tube Cleaning Brush



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82273	B-925 3/8 OD BRUSH	
1	EA	82274	B-926 1/2 OD BRUSH	
1	EA	82275	B-927 5/8 OD BRUSH	
1	EA	82276	B-928 3/4 OD BRUSH	
1	EA	82277	B-929 7/8 OD BRUSH	
1	EA	82278	B-930 1 OD BRUSH	
1	EA	82279	B-931 1 1/8 OD BRUSH	

Flaring Tool



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82050	945TH ROLO-FLAIR BURNISHING TOOL	

Flaring Tools



60210 45° Flaring Tool

- Hardened steel flaring bar to resist tube slippage
- Forged steel yoke that slips over bar and locks with a turn
- Precision threaded feed screw and long handle to ensure smooth and easy operation



60278 Deluxe 45° Flaring Tool

- A full range 1/8" to 3/4" O.D. flaring tool for soft copper

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82859	60210 45 DEG FLARING TOOL	
1	EA	82756	60278 1/8" TO 3/4" OD DELUXE 45 DEG FLARING TOOL	

RECTORSEAL Pro-Fit™ Flaring and Swaging Bit Kits



87001



87011

Features
- For use with copper or aluminum line sets
- For mini-split units or applications needing 45° flare
- Stopper ensures consistent length of flare or swage
- 1/4" hex shank fits most power tools without adapter
- Bits are color-coded for easy identification

87001 Flare Bit Kit
- Creates standard 45° flare
- 5 Bits: 1/4", 3/8", 1/2", 5/8", 3/4"

87011 Swage Bit Kit
- Forms consistent swage without splits, burrs, blemishes, or uneven edges that can cause fitting connection leaks
- 6 Bits: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65169	87001 1/4" HEX SHANK PRO-FIT FLARE KIT	
1	EA	65170	87011 1/4" HEX SHANK PRO-FIT SWAGE KIT	

Flare/Swage Tools

T20275 Flare/Swage Tool
- Heavy-duty, wide-range tool
- 45°, bar type

T30600 Ratcheting Flare Tool
- Eccentic cone flaring for tubes with an OD of 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", and 3/4"
- Internal clutch prevents over-torquing



T20275



T30600

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83251	T20275 FLARE/SWAGE TOOL	
1	EA	83295	T30600 RATCHETING FLARE TOOL	

Swaging Punches



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83259	T21004 1/4 IN OD TUBE SWAGING TOOL	
1	EA	83266	T21003 3/16 IN OD TUBE SWAGING TOOL	
1	EA	83267	T21006 3/8 IN OD TUBE SWAGING TOOL	
1	EA	83269	T21010 5/8 IN OD TUBE SWAGING TOOL	
1	EA	83270	T21012 3/4 IN OD TUBE SWAGING TOOL	
1	EA	83271	T21014 7/8 IN OD TUBE SWAGING TOOL	

Hydraulic Tube Expander Kit



Expand tubing with one-hand, eliminate fittings and save time and money in the process.

- Eliminates fittings
- Easy operation
- Hydraulic power
- Lightweight and portable

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82757	60497 HYDRAULIC EXPANDER BASIC KIT	

Tube Benders

Lever Type



RT23022



RT25151



RT25913

RT23022 Maxi Tube Bender Set

For restricted spaces. Includes tool, bending support and formers, plus steel case. For use on copper and soft aluminum 3/8", 1/2", 5/8", 3/4", and 7/8" OD.

RT25151 Minibend Tube Bender

For exact, two-handed bending up to 180° for tubes made out of soft copper, brass, aluminum, and precision steel. 1/4", 5/16", and 3/8" OD.

RT25913 Tube Bender Pro

Cast iron body, self-adjusting shoe, bending radius up to 180° and clamp mechanism that enables bending of short tube pices. For 1/2" and 3/4" semi-hard and hard copper pipes.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83253	RT23022 MAXI TUBE BENDER SET	
1	EA	83281	RT25151 1/4IN-5/16IN-3/8IN MINIBEND TUBE BENDER	
1	EA	83274	RT25913 1/2 IN TUBE BENDER PRO	

Spring Type Benders



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93841	BS-6 3/8 SPRING BENDER	
1	EA	93843	BS-8 1/2 SPRING BENDER	
1	EA	93844	BS-10 5/8 SPRING BENDER	
1	EA	93845	BS-12 3/4 SPRING BENDER	

Swaging Punch



Durable heat-treated and plated alloy steel tool expands one end of copper tubing for connecting same size tubes.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82852	60463 3/16" SWAGING PUNCH	
1	EA	82858	60465 5/16" SWAGING PUNCH	
1	EA	82856	60469 3/4" SWAGING PUNCH	

Tube Benders

Lever Type

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82865	60378 5/8" TUBE BENDER	
1	EA	82866	60379 3/4" TUBE BENDER	

Spring Type

1	EA	82869	60361 7/8" SPRING BENDER	

TURBOTORCH Air Acetylene Kits



X-3B Kit with Rear Valve Handle. Manual Lighting.
For light/medium gauge steel. Kit Includes: AR-B regulator, AH-12 hose, G-4 quick disconnect handle, A-3 tip, and A-11 tip. Silver solders to 1-5/8" and soft solders to 3".

X-4B Kit with Rear Valve Handle. Manual Lighting.
For medium/heavy gauge steel. Kit includes AR-B (CGA 520) regulator, G-4 handle, AH-12 hose, A-5 tip, A-14 tip, "B" tank connection, and manual. Silver solders to 2" and soft solders to 3 1/2".



X-6MC Kit with Rear Valve Handle. Manual Lighting.
For light/medium gauge steel. Kit includes AR-MC regulator, AH-12 hose, G-4 handle with valve and quick disconnect, A-3 tip and A-8 tip. Silver solders to 1" and soft solders to 2".

PL-8ADLX-B Kit with Rear Valve Handle. Self Lighting.
Kits now include gauge guard and cylinder wrench. Kit includes: AR-B regulator, G-4 quick disconnect handle, PL-8A tip, AH-12 hose, "B" tank connections, and instruction manual. Silver solders to 1" and soft solders to 2".

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82780	X-3B KIT B TANK	
1	EA	82377	X-4B AIR/ACET TORCH KIT	
1	EA	82781	X-6MC KIT MC TANK	
1	EA	82773	PL-8ADLX-B KIT "B" TANK CONNECTION	

TURBOTORCH Rolling Air Acetylene Kit



Kit Includes: Durable tote case, PL-8A and A-3 tips, G4 torch handle AR-B regulator, and AH-12 hose

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82761	TDLX2010B B TANK ROLLING TOTE KIT	

TURBOTORCH Air Acetylene Accessories

G-4





AR-B

AR-B Pressure Regulator
- Locked at 14 p.s.i. contents gauge
- Fits B tank and 3/8"-24 L.H. hose nut

AR-MC Pressure Regulator
- Locked at 14 p.s.i., contents gauge
- Fits MC tank and 3/8" -24 L.H. hose nut

G-4 Handle
- Has valve and quick disconnect
- Fits A-2 through A-32 acetylene tips

AH-12 Acetylene Hose
- 12 ft. (3.6m) hose
- 3/16" I.D. with 3/8" 24-thread LH nuts
- Fits PLF-A handle, AR-B (CGA-520) and AR-MC (CGA-200) regulators

Regulators

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82787	AR-B B PRESS REG	
1	EA	82788	AR-MC MC PRESS REG	
1	EA	82817	AG-1 FUEL GAUGE F/PRESS REGS	

Handles, Adaptors, and Hose

1	EA	82422	B-MC MC TANK TO B REGULATOR ADAPTOR	
1	EA	82424	BTMCR B TANK TO MC REGULATOR ADAPTOR	
1	EA	82790	G-4 HANDLE	
1	EA	82355	AH-12 12 FT ACETYLENE HOSE	

TURBOTORCH Air Acetylene Tips



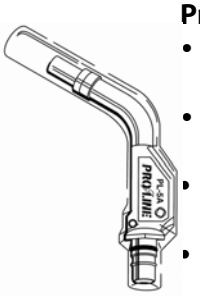
A-3 Tip
Size of Flame: 1/4". For soft soldering 1/4" to 1", silver soldering 1/8" to 1/2". Uses 3.4 cubic feet of fuel/hour.

A-5 Tip
Size of Flame: 5/16". For soft soldering 3/4" to 1-1/2", silver soldering 1/4" to 3/4". Uses 5.8 cubic feet of fuel/hour.

A-8 Tip
Size of Flame: 3/8". For soft soldering 1" to 2", silver soldering 1/2" to 1". Uses 9.2 cubic feet of fuel/hour.

A-11 Tip
Size of Flame: 7/16". For soft soldering 1-1/2" to 3", silver soldering 7/8" to 1-5/8". Uses 11.0 cubic feet of fuel/hour.

A-14 Tip
Size of Flame: 1/2". For soft soldering 2" to 3-1/2", silver soldering 1" to 2". Uses 16.0 cubic feet of fuel/hour.



Pro-Line Tips
- Lights with push of button, no need for spark lighter.
- Tip swivels 360° for ease of positioning.
- Operates on Acetylene gas with no modifications.
- Patented swirl combustion resists flame blowout and delivers hottest, most efficient flame. Cuts brazing time by 30%.

A Tips

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82782	A-3 1/4 IN TIP	
1	EA	82783	A-5 5/16 IN TIP	
1	EA	82784	A-8 3/8 IN TIP	
1	EA	82785	A-11 7/16 IN TIP	
1	EA	82786	A-14 1/2 IN TIP	

Pro-Line Tips

1	EA	82822	PL-5A ACETYLENE TIP	
1	EA	82823	PL-8A ACETYLENE TIP	
1	EA	82824	PL-12A ACETYLENE TIP	

TURBOTORCH Oxygen Acetylene Cutting and Brazing Kit

Medium Duty



- Cuts: 3/4", Brazes/Welds: 1/4" to 1-1/2"
- 101-01FP handle "B"to "A" adapter
- 151-01FP cutting attachment
- 0-W-1, 2-W-1 welding nozzles
- 1-3-101 cutting tip
- 221-05FP oxygen regulator
- 201-05FP fuel regulator
- 252-03P 12-1/2 ft. dual "A" 3/16" hose
- Glasses
- Striker: 1423-0023
- 0386-1241 tote case
- VMA-1-15 heating tip

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82763	TTV-100-CP ACETYLENE KIT W/O TANK	

VICTOR Oxygen Acetylene Cutting and Brazing Kit

Medium Duty



G150-100-CP Portable Tote Outfit

- For medium-duty brazing, cutting, heating and welding
- Cuts up to 1/4" or 5" with optional tips
- Welds up to 5/64" or 1" with optional nozzles
- 5-year warranty

Includes:

- Oxygen and fuel gas regulators
- Plastic tote case
- Dual "A" grade hose (12-1/2' x 3/16")
- Striker and soft-sided goggles
- Torch handle (100 Series include B to A adapters)
- Safety check valves
- Cutting attachment, cutting tip, welding nozzle, and heating nozzle

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82832	G150-100-CP PORTABLE TOTE KIT W/O TANKS	—

TURBOTORCH Oxygen Acetylene Welding, Cutting, and Brazing Kits

Light Duty







CST-150C Kit Includes

- SKR-540R oxygen regulator
- SKR-200R acetylene regulator
- 252-03P 3/16" x 12.5' dual hose
- Goggles
- Striker
- Check valves
- 0-W-J nozzle
- 2-W-J nozzle
- 0-3-101 cutting tip
- SKH-7A handle
- SLCA1260 cutting attachment

CST-CP Kit Includes

- SKR-540R oxygen regulator
- SKR-200R fuel regulator
- 252-03P 3/16" x 12.5' dual hose
- Goggles
- Striker
- Check valves
- 0-W-J nozzle
- 2-W-J nozzle
- 0-3-101 cutting tip
- SKH-7A handle
- 1421-0084 tote
- SLCA1260 cutting attachment

G150-J-E and G150-J-P Kits Include

- G150-60-540R oxygen regulator
- G150-15-200R acetylene regulator
- 252-03P 3/16" x 12.5' dual hose
- Goggles
- L-1 Striker
- Check valves
- 0-W-J-CS Nozzle
- 2-W-J-CS Nozzle
- J28 Handle
- Tote (G150-J-P Only)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82769	CST-150C OXY FUEL EQUIPMENT ONLY	—
1	EA	82768	CST-CP OXY-FUEL TOTE W/O TANK	—
1	EA	82827	G150-J-E OXY-FUEL EQUIPMENT KIT	—
1	EA	82829	G150-J-P OXY FUEL TOTE KIT W/O TANKS	—

VICTOR Oxygen Acetylene Accessories



G150



3-W-J

G150 Series Regulators

- Single-stage cylinder regulators
- Compact, lightweight for light duty applications
- Maximum Inlet:
  Oxygen: 3000 psig
  Acetylene: 400 psig
- Operating Temperature: 0° to 120° F
- Color-coded adjustment knobs
  Green = Acetylene
  Red = Oxygen

W-J Nozzle

- Use with J-Series torch handles
- 1-piece copper elbow tip
- Long-cone flame
- Fuel Gas: Acetylene, Hydrogen

252-03P Hose

- Oxygen/Acetylene twin hose
- 12-1/2 ft.
- "A" fittings

Regulators

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82833	G150-15-200R 021 "A" ACETYLENE REGULATOR	—
1	EA	82828	G150-60-540R "A" OXYGEN REG	—

Accessories

1	EA	86181	3-W-J SIZE 3 WELDING NOZZLE & MIXER	—
1	EA	82357	252-03P 12 1/2 FT TWIN LINE HOSE	—

HVAC Port-A-Torch®

Oxygen Acetylene Brazing Kit



This kit features all the quality equipment needed for brazing and is packaged in a rugged, molded plastic carrying case. It is designed to carry one 10 cu. ft. MC acetylene cylinder and one 20 cu. ft. oxygen cylinder.

The Kit Includes:

- 15-4HV torch handle
- B-15-3HV mixer
- 5090-1 brazing tip
- 5090-3 brazing tip
- 601-80-540A oxygen regulator
- 601-15-200A fuel regulator
- Goggles
- Striker
- 20 x 1/4" hose

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	55199	4400177 OXY-FUEL TORCH KIT (LESS TANKS)	—

TurboTorch® Hand Torches

TS-2 Dual Gas Kit contains TSH handle, ST-4 Tip, TS-12 hose, and TSR tank rack.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82807	TS-2 KIT	

Oxygen Acetylene Brazing Acessories



B-15-3HV



5090

B-15-3HV Mixer

- Light duty, equal (positive) pressure Victor® compatible mixer
- Approved for use with all fuel gases
- Welds up to 1/2"
- Heats to 60,000 BTU
- Mixer to Tip or Tube Thread Size: 5/16" - 27
- Use with handle 15-4HV
- Use with tip model 5090 sizes 0–10

5090 Acetylene Welding & Brazing Tips

- Manufactured from tellurium copper
- Swaged for precise and consistent flames
- Uses a universal mixer for sizes 1 to 5
- Thread size: 5/16" - 27

1601771 Tip Size No. 1

- Metal Thickness: 1/32"
- HVACR Copper Tubing Size: 1/4" nominal diameter Tip Size 3/4

1601773 Tip Size No. 3

- Metal Thickness 1/16"
- HVACR Copper Tubing Size: 1/2" nominal diameter Tip Size 4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	55200	9101335 B-15-3HV LIGHT DUTY EQUAL PRESSURE MIXER	—
1	EA	55201	1601771 5090-1 BRAZING/SOLDERING TIP SIZE NO. 1	—
1	EA	55202	1601773 5090-3 BRAZING/SOLDERING TIP SIZE NO. 3	—

Nitrogen Purging Kit



Kit includes 40 cu. ft. nitrogen cylinder, durable 6 ft. hose, OSHA rated blow gun, regulator SKP-425, and carrying tote.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82772	SKP-40T PURGING KIT	—

Nitrogen Flowmeter



The NFM-TT Nitrogen Flowmeter allows for a controlled flow of nitrogen gas through copper lines during brazing. Purging the line with nitrogen prevents oxidation and scale inside the tube which would otherwise cause contamination.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82760	NFM-TT NITROGEN FLOW METER	—

TURBOTORCH Nitrogen Regulators



DP250

For nitrogen purging and joint testing.
Caution: Always use hose and fitting suitable to pressure.



245-02P

High Pressure	Low Pressure	Delivery Pressure	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4000	400	250	1	EA	82818	245-02P 250PSI PURGING REGULATOR	—
4000	600	500	1	EA	82819	245-03P 500PSI PURGING REGULATOR	—
4000	1000	800	1	EA	82826	DP250-800-580 800PSIG REGULATOR - NITROGEN	—

VICTOR Nitrogen Pressure-Flow Hybrid Regulator

EDGE™ 2.0 Series



ESS32 PFH-800 single-stage cylinder regulator features dual-stage orifice technology that allows one regulator to control both pressure and flow allowing complete control of nitrogen for purging, brazing, and high-pressure testing.

SLAM™ (Shock Limitation and Absorption Mechanism) technology built into the adjusting knob provides additional strength, safety, and protection of the regulator.

- Maximum Inlet: 3000 psig
- Outlet Connection: 1/4" SAE flare
- Braze: 3–6 CFH
- Purge: 20–50 CFH
- Pressure Test: 200–800 psig
- Operating Temperature: 0–120° F

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82834	ESS32 PFH-800 EDGE 2.0 PRESSURE/FLOW HYBRID REGULATOR	—

TURBOTORCH Propane and MAPP Hand Torches



STK-9
Dual Gas Kit contains STK-R pressure regulator and ST-3 large tip.



STK-11 Double Barrel
Silver brazes up to 3", soft solders up to 6", designed for MAPP or Propane. Three year replacement warranty.



TX-500
Includes TX-504 plus bonus 503 tip.Swirl tip concentrates heat and reduces heating time. Diaphragm regulator provides high gas flow for maximum temperatures.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82806	STK-9 HAND TORCH	—
1	EA	82774	STK-11 HAND TORCH	—
1	EA	82812	TX-500 PRO-PAK SELF LIGHT HAND TORCH	—

TurboTorch® Welding Accessories



L-1



TK



TT-150



TT-MC

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	82395	F-1 BOX OF 5 FLINTS FOR STRIKER	
1	EA	82360	L-1 STRIKER	
1	EA	82375	TK TANK WRENCH	
1	EA	82814	TT-150 B TANK TOTE	
1	EA	82419	TT-MC TANK TOTE MC TANK	

TurboTorch® Heat Shield—Cloth



- Durable fabric heat shield is manufactured with PyroSil™, an effective shield against thermal radiation.
- Ideal for brazing, soldering, or welding.
- Features a center cut design making it easy to place around a pipe.
- 8" x 12"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82358	PL-812 8"X12" TORCH SHIELD	

Mars® Heat Shield—Pad



- For soldering and brazing
- For temperatures up to 2500° F
- 9" x 12" x 1/2"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	80728	78931 9112 SOLDER HEAT SHIELD	

Cliplight Spark-Key Torch Ignitor



- Ignites all butane, propane and gas torches
- Water-resistant and no batteries required
- 100,000 plus sure-fire sparks

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	93024	580512 SPARK KEY TORCH IGNITER	

Extend-A-Match

For relighting pilots, gas ranges, barbecues, etc.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	82280	R-1 EXTEND-A-MATCH	

MAPP and Propane Gas



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	82150	525-PT1 PROPANE FUEL TANK		
12	EA	82810	525-MT1 MAPP GAS TANK		

Welding Gases



"Tanks Only" will be written up for all gas transactions and adjusted on the ticket when a tank is returned. All gas tanks are purchased outright, they are the property of the customer and may be returned for exchange purposes. They are not returnable to the factory for credit.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82385	80 NITROGEN STEEL TANK ONLY	
1	EA	82393	B ACETYLENE TANK ONLY	
1	EA	82371	CD 10LB C02 TANK ONLY	
1	EA	82373	CD 20LB C02 STEEL TANK ONLY	
1	EA	82394	MC ACETYLENE TANK ONLY	
1	EA	82383	NI 40LB CF NIY NITROGEN TANK ONLY	
1	EA	82368	NI 80 ALUMINUM TANK ONLY	
1	EA	82399	R20 OXYGEN TANK ONLY	
1	EA	82400	R20 NITROGEN TANK ONLY	

Rhino Tank and Compressor Tote

ENERGY SAVING PRODUCTS



This device allows techicians to easily pick up any hermetic compressor or nitrogren, and CO_2 cyliners. Its comfortable grip balances the cylinder or compressor and avoids accidental dropping and busted knuckles.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	81287	RH-10 RHINO TANK/COMPRESSOR TOTE	

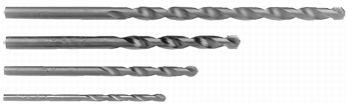
MA-LINE MONTI AND ASSOCIATES, INC. Welding Gas

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82369	NI 80 GAS IN ALUMINUM TANK	

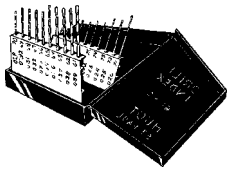
Drill Bits



DE



RP



FJ-61-80

Dual End Drill Bits With 135° Split Points

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	PKG	81007	DE1/4 DUAL END DRILL BIT 12/PKG	—
12	PKG	81008	DE1/8 DUAL END DRILL BIT 12/PKG	—
12	PKG	81014	DE-#30 DUAL END DRILL BIT 12/PKG	—

Masonry Bits

1	EA	81030	RP-04 3/16 MASONARY DRILL BIT	—
1	EA	81031	RP-09 1/4 MASONARY DRILL BIT	—

Orifice Drill Bits

1	EA	82550	FJ-61-80 ORIFICE DRILL SET	—

Power Bit Accessories



BHE6



MBH1/4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	80910	BHE6 6" POWER BIT EXTENSION	—
1	EA	80919	BHE10 10" POWER BIT EXTENSION	—
1	EA	42810	MBH1/4 1/4" HEX BIT HOLDER	—
10	EA	42812	MBLP3 STD PHILLIPS HEX BIT #2	—

Magnetic Drill Chucks and Hex Drivers





STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
100	EA	42809	MSH1/4T 1/4" HEX CHUCK DRIVER - BULK	—
100	EA	42808	MSH5/16T 5/16" HEX CHUCK DRIVER - BULK	—
6	EA	42813	MSHML516 5/16" HEX CHUCK DRIVER 4"	—
6	EA	42814	MSHXL516 5/16" HEX CHUCK DRIVER 6"	—
6	EA	42815	MSHML1/4 4 IN LONG DRILL CHUCK	—
6	EA	42816	MSHXL1/4 6 IN LONG DRILL CHUCK	—
10	EA	42819	MSH-3/8 MAGNETIC DRILL CHUCK	—
5	EA	42817	MSHL7/16 7/16" LONG MAG DRILL CHUCK	—
6	EA	80775	HHD1 1/4" HEX DRIVER MAG - LONG	—
6	EA	80776	HHD2 5/16" HEX DRIVER MAG - LONG	—
1	EA	80769	CONNEXT3 LONG RATCHETING HANDLE	—
1	EA	80770	CONNEXT4 9 PIECE MAGNETIC HEX HAND DRIVER KIT	—

Screwdrivers and Nut Drivers


635-4


85484


612-4


610-1/4


635-4


646M


602-4DD


32751


603-4GLW


605-4G:W


32451GLW


32581


32593

Screwdriver/Nut Driver

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83626	32527 11-IN-1 SCREWDRIVER/NUT DRIVER	
1	EA	83646	32557 HEAVY DUTY MULTI TIP SCREWDRIVER/NUT DRIVER	
1	EA	83647	32558 HEAVY DUTY RATCHETING MULTI TIP SCREWDRIVER/NUTDRVER	
1	EA	83648	32559 EXTENDED REACH MULTI TIP SCREWDRIVER/NUT DRIVER	
1	EA	83649	32561 STUBBY MULTI BIT SCREWDRIVER/NUT DRIVER	

Screwdrivers

1	EA	83630	600-4 1/4 IN KEYSTONE TIP SCREWDRIVER 4" HD SQUARE SHANK	
1	EA	83631	601-6 3/16IN CABINET TIP SCREWDRIVER 6IN ROUND SHANK	
1	EA	83632	603-4 #2 PHILLIPS TIP SCREWDRIVER 4IN ROUND SHANK	
1	EA	83619	85484 4-PC MINI CUSH GRIP SCREWDRIVER SET	

Terminal Block Screwdriver

1	EA	83645	612-4 TERMINAL BLOCK SCREWDRIVER	

Nut Drivers

1	EA	83625	610-1/4M 1/4X1 1/2 HOLLOW SHAFT NUT DRIVER-MAG STUB CUSH GRIP	
1	EA	83624	610-5/16M 5/16X1 1/2 HOLLOW SHAFT NUT DRIVER-MAG STUB CUSH GRIP	
1	EA	83621	610M 2-PC NUT DRVR SET-MAG STUB CUSH GRP	
1	EA	83712	635-1/4 1/4IN HEAVY DUTY NUT DRIVER CUSHION GRIP	
1	EA	83713	635-5/16 5/16IN HEAVY DUTY NUT DRIVER CUSHION GRIP	
1	EA	83718	635-4 4-PIECE NUT DRIVER SET HEAVY DUTY	
1	EA	83627	646M 2-PIECE CUSHION GRIP MAGNETIC TIP NUT DRIVER SET	

Demolition Drivers

1	EA	83659	602-4DD 4 IN DEMOLITION DRIVER	

Adjustable Length Screwdriver

1	EA	83701	32751 #2 PHILLIPS 1/4" SLOTTED SCREWDRIVER ADJUSTABLE LENGTH	

Hi Viz Drivers

1	EA	83707	603-4GLW GLOW-IN-THE-DARK SCREWDRIVER #2 PHILLIPS	
1	EA	83708	605-4GLW GLOW-IN-THE-DARK SCREWDRIVER 1/4IN	
1	EA	83709	32451GLW GLOW-IN-THE-DARK DRIVER 6-IN-1 MULTI-BIT	

Rotating Screwdriver for Electronics

1	EA	83706	32581 4-IN-1 ELECTRONICS SCREWDRIVER	

Ratcheting Stubby Screwdriver

1	EA	83705	32593 6-IN-1 RATCHETING STUBBY SCREWDRIVER	

11-In-1 Multi-Tip Screwdriver



The 48-22-2113 screwdriver has a patented ECX™ bit and harened tips. The 11-In-1 screwdriver includes the 6 bits and 3 nut drivers most requested by professionals with the added utility of a wire stripper and wire bending hole. The Milwaukee ECX™ bit allows users to extend the life of their bits when fastening specialty screws found in electrical boxes, conduit couplers, outlets, and other common job site fixtures.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	81111	48-22-2113 11 IN 1 MULTI TIP SCREWDRIVER	

SR6N1 Ratchet Screwdriver



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	80767	SR6N1 RATCHET 6 IN 1 SCREWDRIVER	

Nut Driver



This handy dual nut driver has 1/4" and 5/16" pivoting sockets to reach the most difficult angled and tightest screw locations.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81285	ZT-10 Z-TOOL	

Nut Drivers



CHD6



HHD1T



4IN1

Nut Drivers with Hollow Shaft

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80693	CHD2 1/4 INCH HOLLOW NUT DRIVER	
1	EA	80694	CHD4 5/16 INCH HOLLOW NUT DRIVER	
1	EA	80695	CHD6 3/8 INCH HOLLOW NUT DRIVER	

Stubby Magnetic Hex Drivers

1	EA	80696	HHD1T 1/4 INCH STUBBY MAGNETIC HEX DRIVER	
1	EA	80697	HHD2T 5/16 INCH STUBBY MAGNETIC HEX DRIVER	
1	EA	80699	HHD3T 3/8 INCH STUBBY MAGNETIC HEX DRIVER	

4-In-1

12	EA	80708	4IN1 4-IN-1 NUT DRIVER	

Pin Extractor Tool

This handy tool will help to pop out molex and amp electrical pins in ignitor and other connectors.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81293	PE-44 PIN EXTRACTOR TOOL	

Hex Wrenches



RRW3/16



W1-9



W12

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	80824	RRW3/16 3/16 HEX KEY WRENCH INSERT (DUAL)	
10	EA	80826	RRW5/16 5/16 HEX KEY WRENCH INSERT	
10	EA	83302	W1-9 HEX KEY	
1	SET	83303	W-6 HEX KEY SET	
1	SET	83304	W12 12 IN 7 PIECE HEX KEY WRENCH SET	

QL Tool Kit—Hex Drive Adapters

For QL Valve Systems

Two hex drive adapters (3/16" and 5/16") fit standard refrigeration ratchet wrenches.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94157	053983-00 QL STEM TOOL KIT	

Hex Key Adapter



3/16" and 5/16" Hex Valve Key Adapter for accessing liquid and suction based valves. Heat treated black oxide plated.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83172	T2-HKA HEX KEY ADAPTER	

Torque Wrench Kit





TRQ1080 Torque Wrench Kit

- Torque of 7.375 to 59.04 pound feet
- Six heads: 17, 22, 24, 26, 27 & 29 mm
- 1/2" DR ratchet head
- Carrying case

TRQ-IMP Head Set

Includes 4 imperial torque heads for the TRQ-1080 torque wrench kit: 5/8", 13/16", 15/16", 1-1/8"

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83296	TRQ1080 SIX HEAD 10-80NM TORQUE WRENCH SET	
1	EA	83290	TRQ-IMP 5/8",13/16",15/16",1-1/8 TORQUE IMPERIAL HEAD SET	

Wrenches



RT7



T21127U



T21124U

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83155	RT70159 10IN ALUMINUM PIPE WRENCH	
1	EA	83156	RT70160 14IN ALUMINUM PIPE WRENCH	
1	EA	83158	RT70161 18IN ALUMINUM PIPE WRENCH	
1	EA	83182	T21127U STRAIGHT SERVICE VALVE RATCHET WRENCH	
1	EA	83184	T21124U 7 IN HEAVY DUTY WRENCH	

Wrenches



D507-6



D507-12



D509-8



56999

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83616	D507-6 6" EXTRA CAPACITY ADJ WRENCH	
1	EA	83617	D507-12 12" EXTRA CAPACITY ADJ WRENCH	
1	EA	83682	D509-8 8IN EXTRA WIDE ADJUSTABLE WRENCH	
1	EA	83714	56999 CONDUIT LOCKNUT WRENCH	

Journeyman Series Pliers

The Journeyman Series pliers feature the latest innovations in handle design and grip. These state-of-the-art, dual material handles provide a better grip without sacraficing tool strength or durability.



J203-8



J2000-48



J207-8CR



J213-9

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83602	J203-8 JOURNEYMAN HD SIDE-CUT LONG NOSE PLIER	
1	EA	83601	J2000-48 JOURNEYMAN HI-LEVERAGE DIAG CUT PLIER	
1	EA	83700	J207-8CR ALL PURPOSE PLIERS W/STRIPPER AND CRIMPER	
1	EA	83711	J213-9NECRN JOURNEYMAN SIDE CUTTER W WIRE STRIPPER/CRIMPER	

Glow-in-the-Dark Pliers



28GLW



9NEGLW

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83679	D2000-28GLW 8IN GLOW-IN-THE-DARK DIAGONAL PLIERS	
1	EA	83680	D2000-9NEGLW 9IN GLOW-IN-THE-DARK SIDE CUTTING PLIERS	

Quick-Adjust Klaw™ Pump Pliers



- Unique jaw design provides multiple points of contact for maximum torque
- Push button and quick ratchet feature allows for fast and easy adjustment to any position
- Compact, narrow design for easy work in small or hard to reach places
- Gripping surface with specially hardened teeth for reduced wear and positive grip

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83663	D504-12B 12 IN QUICK ADJUST KLAW PUMP PLIERS	

Pliers



Type	Overall Length (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Super Grove Joint	10, 12	6	EA	82076	MT-10 MULTI-TRACK PLIER	

Strippers, Cutters, and Crimpers



1010



11046



11054GLW



11055



11061



J1005



J207-8CR

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83605	1010 LONG NOSE MULTI PURPOSE TOOL	
1	EA	83608	11046 WIRE STRIPPER-CUTTER	
1	EA	83678	11054GLW GLOW-IN-THE-DARK WIRE STRIPPER/CUTTER	
1	EA	83606	11055 KURVE WIRE STRIPPER-CUTTER	
1	EA	83664	11061 SELF ADJUSTING WIRE STRIPPER/CUTTER	
1	EA	83607	J1005 JOURNEYMAN CRIMPING TOOL	
1	EA	83700	J207-8CR ALL PURPOSE PLIERS W/STRIPPER AND CRIMPER	

Clamp Tools

TY4G

Manual cut-off tensioning tool features a unique notched gripper. Includes gray vinyl cushion grips. Works on all ties including thin designs.



TY4G



TY6

TY6

Adjustable, high leverage tensioning tool with automatic cut-off is designed for a heavy user of nylon ties. Works on all ties including thin designs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	42950	TY4G MANUAL CUT-OFF TIE TOOL/GRIP'D	
3	EA	42951	TY6 HIGH LEVERAGE TIE TOOL	

HARDCAST CARLISLE Rapid R-31 Stapler



The Rapid R-31 (Dynair DCS-1) heavy-duty, all-steel stapler can quickly fasten the fabric seam overlap on a flexible duct connector.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	43944	304637 RAPID R-31 STAPLER (DCS-1) (73352 P6C-8)	
1	BOX	43971	308084 STAPLES FOR DCS-1 (5000) (DCSP-5) (73353 STAPLES)	

BOSTITCH® Outward Clinch Tacker



- Easy squeeze design
- Compact, lightweight
- Convenient bottom load
- Unique design turns staple legs outward
- For pipe wrap and duct board

Tacker

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	43964	73349 BOSTITCH TACKER	

Staples

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	BOX	43951	73347 3/8 IN STAPLES		
10	BOX	43958	73350 1/2 IN STAPLES		
10	BOX	43969	73351 9/16 IN STAPLES		

Serrated Duct Knife



- Cuts duct board and flexible duct
- Double-edged knife—regular and serrated
- Puncture resistant nylon sheath with belt loop
- Cushion-grip handle for comfort

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83628	DK06 SERRATED DUCT KNIFE WITH SHEATH	

Utility Knives

Auto-loading, Retractable



44130 Folding



44132 Non-folding



44103

- Auto-loading feature for faster and safer blade changes
- High quality, triple ground blades stay sharper longer
- Rubber grips on handle for improved control and comfort
- Heavy-duty durable construction
- Internal blade storage holds 3 blades (included)
- Blade release button for easy blade change

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83662	44130 AUTO LOADING FOLDING RETRACTABLE UTILITY KNIFE	
1	EA	83661	44132 AUTO LOADING RETRACTABLE UTILITY KNIFE	
1	EA	83665	44103 UTILITY KNIFE BLADE DISPENSER	

Knife Sharpener



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83697	48036 COMBINATION KNIFE AND SCISSOR SHARPENER	

Knife



Spring assisted, serrated knife

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81106	48-22-1995 FASTBACK SPRING ASSISTED SERRATED KNIFE	

Fin Straightening Tools



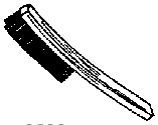
FST



Fin Comb

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	82070	FST FIN STRAIGHTENING TOOL	
12	EA	80720	T-300 FIN / COMB SCRAPING TOOL ADJ	
6	EA	95315	T-408 FIN COMB	
6	EA	95316	T-409 FIN COMB	
6	EA	95317	T-411 FIN COMB	
6	EA	95318	T-412 FIN COMB	
6	EA	95319	T-417 FIN COMB	
6	EA	95320	T-418 FIN COMB	

Brushes



AMA010



AMA226



B-26



C33808

BERCOR NUMBER	DESCRIPTION	PC-1 EACH
82266	AMA-010 WIRE BRUSH	
82270	AMA226 3IN SPIRAL THREAD BRUSH	
82271	AMA548 5FT FCE BRUSH HANDLE	
82260	B-26 CONDENSER FIN BRUSH	
55134	C33808-CTN 1/2" FLUX BRUSH	
80712	78802 3/8 OD 1/4 ID FIT BRUSH 2/PK	
80716	78806 7/8 OD 3/4 ID FIT BRUSH 2/PK	
80717	78818 3/8 X 3/4 RFRIG 4-IN-ONE BRUSH TOOL	
80719	78833 6 3/4 FIN / COIL WHISK BRUSH	
80721	78841 1/4" ACID BRUSH #1 10/BAG	
80723	78903 2 IN ECONOMY PAINT BRUSH	
80724	78905 3 IN ECONOMY PAINT BRUSH	
80725	78910 3/PK PLASTIC HNDL STAINLESS BRUSH	
80726	78911 3/PK WOOD HNDL STAINLESS BRUSH	
82261	78952 RADIATOR BRUSH	

Tradesman Pro™ Tool Bags



55417



55419

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83656	55417-18 TRADESMAN PRO ORGANIZER EXTREME ELECTRICIAN BAG 78PKT	
1	EA	83651	55419-SP TRADESMAN PRO ORGANIZER SHOULDER POUCH 16PKT	

Tradesman Pro™ Tool Bags


554158-14


5541610-14


5541718-14


5541819-14


55419SP-14


55241-14


55456BPL


55431


55460

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83686	554158-14 TRADESMAN PRO ORGANIZER 8-INCH TOTE	
1	EA	83687	5541610-14 TRADESMAN PRO ORGANIZER 10-INCH TOTE	
1	EA	83690	5541718-14 TRADESMAN PRO ORGANIZER EXTREME ELECTRICIANS BAG	
1	EA	83689	5541819-14 TRADESMAN PRO ORGANIZER ULTIMATE ELECTRICIANS BAG	
1	EA	83685	55419SP-14 TRADESMAN PRO ORGANIZER SHOULDER POUCH	
1	EA	83688	55421BP-14 TRADESMAN PRO ORGANIZER BACK PACK	
1	EA	83667	55456BPL TRADESMAN PRO TECH BACKPACK	
1	EA	83683	55431 LIGHTED TOOL BAG	
5	EA	83698	55460 IPHONE TRADESMAN PRO PHONE HOLDER	

Pro Pac Tool Bags


CP4


MB2


MC TECH


PB4


PB4L


PB5


TECH LC


TECH-MCT


TECH OT-MC


TECH PAC


TECH PACK LT

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	82924	CP4 GRUBBER CARGO PAC	
4	EA	82917	MB2 TECH SERIES SERVICE TECHNICIAN'S METER BAG	
4	EA	82918	MC TECH SERIES SMALL LIGHT EVERY DAY GO TO TOOL BAG	
4	EA	82922	PB4 4 PARTS BAGS	
4	EA	82925	PB4L 4 LARGE PARTS BAG	
4	EA	82926	PB5 5 PARTS BAG	
2	EA	82920	TECH LC TECH SERIES SERVICE TECHNICIAN'S TOOL BAG	
4	EA	82923	TECH MCT COMPACT TECH SERIES TOOL BAG	
4	EA	82927	TECH OT-MC COMPACT OPEN TOP TOOL BAG	
2	EA	82919	TECH PAC TECH SERIES BACKPACK TOOL BAG	
2	EA	82921	TECH PACK LT LAP TOP/TOOL BAG BACK PACK	

TB1 Tool Bag



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80580	TB1 SOFT SIDED TOOL BAG	

Contractor Accessory Bag



- Tough, water resistant 600 denier material
- Shoulder strap or dual handle straps for easy carrying
- Durable zipper closure
- Ideal for tool and accessory storage

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80241	48-55-3490 CONTRACTOR ACCESSORY BAG	

M12 Tool Holster



Designed to fit M12™ drilling and fastening tools, the M12™ Tool Holster increases productivity and provides the user with a quick and durable means of tool retrieval and protection on the job site. Constructed of heavy duty nylon material, the 2335-20 features an easy snap-on strap and on-board bit storage for added user convenience.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81075	2335-20 M12 TOOL HOLSTER	

Pouches



- For tools or parts
- 3 pack of heavy-duty canvas pouches with heavy duty zipper
- Weather resistant stand-up bottom
- Hang loop allows pouches to be attached together or to other bags

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81107	48-22-8193 3 PACK COLORED ZIPPERED POUCHES	

Tape Measures



48-22-5125
- Finger stop
- Dual magnets
- Blueprint scale
- 2-sided printing
- Limited lifetime warranty

48-22-5506
- Dual printed imperial and metric
- Heavy-duty keychain clip
- 5-point reinforced frame
- Limited lifetime warranty



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81148	48-22-7125 25 FT MAGNETIC TAPE MEASURE	
1	EA	81105	48-22-5506 6FT/2M TAPE MEASURE-KEYCHAIN	

Ruler and Levels



L5



L-9M

Ruler

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80671	48BS 4 FT MALCO TINNERS RULE	

Levels

10	EA	80651	L5 5" POCKET LEVEL	
6	EA	80650	L-9M MAGNETIC TORPEDO LEVEL	

Laser Distance Measurer

65 Feet / 20 Meters

- Measures distance up to 65 feet
- with an accuracy of ± 1/16".
- Calculates area, length and volume
- with large, easy to read buttons.
- Offers the option of one-touch, single-distance mesurement or continuous measurement.
- Measures in both feet and meters
- Memory stores last 20 measurements.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83717	93LDM65 65FT / 20M LASER DISTANCE MEASURER	

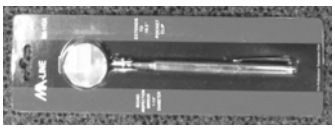
Tape Measures

- Double sided rule for measurement while using against wall, ceiling or conduit
- Shock and impact resistant case
- True Zero feature for accurate inside and outside measuring
- First 11" (279mm) has oversized bold numbers



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83650	93225 25 FT MAGNETIC DOUBLE HOOK TAPE MEASURE	
1	EA	83715	86225 25FT DOUBLE HOOK TAPE MEASURE MAGNETIC	

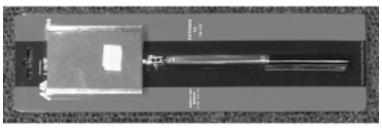
Telescoping Glass Mirrors



MA-143A
- Telescopes from 7" to 19"
- Pocket Clip
- Insulated head



MA-149
- Telescopes from 11" to 15-1/2"



MA-157A
- Telescopes from 7" to 19"
- Pocket clip
- Insulated head

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54025	MA-143A 1-1/4 IN ROUND INSPECTION MIRROR	
1	EA	54027	MA-157A 1 IN X 2 IN OVAL MIRROR	
1	EA	54028	MA-149 2-1/8IN X 3-1/2IN RECTANGULAR MIRROR	

Mirrors



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	82281	79352 1X2 OVAL EXTEND-A-MIRROR	

Rubber Tie Downs



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
48	EA	82252	79591 19IN RUBBER TIE-DOWN	
24	EA	82253	79593 35IN RUBBER TIE-DOWN	

Shoe Cover



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	BOX	46000	79100 BLUE SHOE COVER (300EA/150 PAIRS)	

Quality Work Gloves

79151/16766: 9 oz. brown cloth glove.
79153/17158: Brown cloth glove with flannel lining.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	PR	83375	79151 BROWN JERSEY GLOVES	
12	PR	83376	79153 RED LINED JERSEY GLOVES	

Gloves



40206



40209



40218



40221

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PR	83669	40206 LARGE JOURNEYMAN UTILITY GLOVE	
1	PR	83670	40207 EXTRA LARGE JOURNEYMAN UTILITY GLOVE	
1	PR	83671	40209 LARGE JOURNEYMAN CAMOUFLAGE GLOVE	
1	PR	83672	40210 EXTRA LARGE JOURNEYMAN CAMOUFLAGE GLOVE	
1	PR	83673	40218 LARGE JOURNEYMAN EXTREME GLOVE	
1	PR	83674	40219 EXTRA LARGE JOURNEYMAN EXTREME GLOVE	
1	PR	83675	40221 LARGE JOURNEYMAN LEATHER GLOVE	
1	PR	83676	40222 EXTRA LARGE JOURNEYMAN LEATHER GLOVE	

Rubber Tie Downs



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
100	EA	82251	79590 / 0173 14IN RUBBER TIE-DOWN	

Safety Glasses



Caraz



Brazeau



Reclus



Khor



Kazbek



Dakura



Zorge G2

Caraz—Not Polarized

Lens Color	Frame Color/Material	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Smoke	Black Nylon	1	EA	87688	HZ116-D1 BLACK / SMOKE CARAZ SAFETY GLASSES	

Brazeau—Not Polarized (TXB236 is Polarized)

Lens Color	Frame Color/Material	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Smoke	Forest Camo Nylon	1	EA	87689	XB116CF CAMO/SMOKE BRAZEAU SAFETY GLASSES	
Smoke	Matte Black Rubberized	1	EA	87690	TXB236 BLACK/POL SMOKE BRAZEAU SAFETY GLASSES	
Smoke	Gloss White Nylon	1	EA	87691	XB146 WHITE/SMOKE BRAZEAU SAFETY GLASSES	

Reclus—Polarized

Lens Color	Frame Color/Material	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Silver Mirror	Gloss Black Nylon	1	EA	87692	TSR21-G15-7 BLACK/SIL MIRROR RECLUS SAFETY GLASSES	

Khor—Not Polarized

Lens Color	Frame Color/Material	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Smoke	Gloss Black Nylon	1	EA	87693	SDK116 BLACK/SMOKE KHOR SAFETY GLASSES	
Aqua Red Mirror	Gloss Black Nylon	1	EA	87694	SDKAP119 BLK/AQUA PRECISION KHOR SAFETY GLASSES	

Kazbek—Polarized

Lens Color	Frame Color/Material	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Silver Mirror	Matte Black Rubberized	1	EA	87695	TSK21-G15-7 BLACK/SIL MIRROR KAZBEK SAFETY GLASSES	
Aqua Blue Mirror	Matte Black Rubberized	1	EA	87696	TSKAP218 BLK/AQUA PRECISON KAZBEK SAFETY GLASSES	

Dakura—Polarized (SW116 not Polarized)

Lens Color	Frame Color/Material	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Smoke	Gloss Black Nylon	1	EA	87697	SW116 BLACK/SMOKE DAKURA SAFETY GLASSES	
Copper	Matte Black Rubberized	1	EA	87698	TSM215 BLACK/COPPER DAKURA SAFETY GLASSES	
Smoke	Forest Camo Nylon	1	EA	87699	TSM216CF FOREST CAMO/SMOKE DAKURA SAFETY GLASSES	

Zorge G2—Not Polarized

Lens Color	Frame Color/Material	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Clear	Gloss Black Nylon	1	EA	87700	DZ111-G2 BLACK/CLEAR ZORGE SAFETY GLASSES	
Yellow	Gloss Black Nylon	1	EA	87701	DZ112-G2 BLACK/YELLOW ZORGE SAFETY GLASSES	

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87702	9802 LENS CLEANING BAG MICROFIBER	
1	EA	87703	9703 BLACK SNAP BACK CORD	
1	EA	87704	9704 BLACK/GREY ROPE WITH ADJUSTABLE SLIDE	

Coil Cleaning System

SPEEDCLEAN









CJ-125 CoilJet

The battery-powered, portable CoilJet makes it easy to clean coils in hard to reach areas such as rooftops and attics where access to power and water is limited. Powerful 125 psi spray cleans without damaging fins.

- Deep cycle
- Capacity: 3.375 gal. water and 1.75 qt. chemical
- Included: CoilJet system, 2 standard spray nozzles, 12V rechargeable battery, and AC charger

SC-CS-100 CoilShot Spray Gun

Designed to propel cleaner deep into coils for a for quick and thorough cleaning.

- Attaches to standard garden hose
- Quick-connect fitting for easy nozzle changes
- Quick-load tablet door
- Multi-stage mixing valve to control foam level
- Storage spots for extra nozzle and spray wand
- Optimal performance at 40–70 psi and 2.0–2.5 psi gpm

SC-CS-TABS CoilShot Coil Cleaner Tablets

Replace bulky and heavy liquid coil cleaner with small, light, and easy to use tablets. The environmentally-friendly foam lifts dirt and grime and is safe for all coils.

- 1 tablet equals approximately 1/2 gallon of coil cleaner
- Plant friendly, non-acidic and non-caustic

SC-CS-Wand CoilShot Cleaning Wand

The slim-profile wand fits between the grates of most condensers so the top fan and housing don't have to be removed.

- Clean from behind the coil, opposite the flow of air.
- Made from high grade aluminum.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81820	CJ-125 COILJET COIL CLEANING SYSTEM	—
1	EA	81821	SC-CS-100 COILSHOT SPRAY GUN ASSEMBLY	—
1	EA	81822	SC-CS-TABS COILSHOT TABLETS PK/8	—
1	EA	81823	SC-CS-WAND COILSHOT WAND ASSEMBLY	—

Sprayers

ESP
ENERGY SAVING PRODUCTS



Acid Blaster

This premium two gallon compression sprayer incorporates a patented acid valve and utilizes viton gaskets that are chemical resistant. There are no metal parts that contact liquid. Unit has stainless pump rod and plate. The nozzle has adjustable spray levels.



Big Shot III

This three gallon, acid resistant sprayer incorporates viton and polypropylene parts to minimize nuisance breakdowns and leakage. The wide angle, high delivery spray head provides quick application time.



Tommy Gun

This two quart compression sprayer is made out of high pressure impact polyethylene. Equipped with adjustable spray nozzle, the Tommy Gun is lightweight and easy to use.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81281	AB10 2 GAL SPRAYER (ACID BLASTER)	—
1	EA	81282	BS30 3 GAL SPRAYER (BIG SHOT)	—
1	EA	81280	TG007 1/2 GAL SPRAYER (TOMMY GUN)	—
1	EA	81283	60T SPINDLE ASSY F/TOMMY GUN	—

Nu-Calgon Sprayers



4300-51



4768-W3



4770-0



4771-3



4774-0



61231

4300-51
The Flush gun connects to the charging hose. It is equipped with a rubber flush tool and makes flushing easy.

4768-W3
A 24-ounce capacity sprayer. It is used for small cleaning jobs, such as window units and water coolers.

4770-0
The 4770-0 is constructed of high density polyethylene. It has a half gallon capacity. The nozzle is adjustable and the flow rate is controlled by a thumb lever. It comes with a 7 inch polyethylene pump.

4771-3
The 4771-3 is constructed of high-density polyethylene. It has a funnel top which provides for easy chemical pouring and has a 2-1/2 gallon capacity. It comes with a 10 inch polypropylene pump, handle, 12 inch tube with adjustable nozzle and a 3 foot hose.

4774-0
The 4774-0 features a "hose-end"sprayer that features 4 different mix ratio settings designed for coil cleaners.
Utilizes a 2-quart capacity bottle and includes a foam wand as well as quick disconnect capability.

61231
The Coil Mate Coil Cleaning Hose, and ideal mate with Nu-Calgon sprayers and coil cleaners in the cleaning of HVAC/R coils.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	90197	4300-51 RX11 FLUSH GUN	—
12	EA	96199	4768-W3 PINT MULTI PURPOSE HAND SPRAYER	—
1	EA	95958	4770-0 1/2 GAL CAPACITY NO. 50P POLY SPRAYER	—
1	EA	95959	4771-3 2 GAL CAPACITY NO. 220CP POLY SPRAYER	—
1	EA	90173	4774-0 COIL GUN	—
1	EA	90199	4774-1 COIL GUN PROBE F/USE W/4774-1	—
5	EA	90204	61231 50FT COIL MATE COIL CLEANING HOSE	—

MA-LINE The Sidekick Condenser Cleaning Tool



- Rugged commercial quality 30 inch long American made tool.
- Precision formed and machined of thick wall aluminum tubing, with a flow control on-off valve.
- One-year warranty.
- Only tool designed and patented (U.S. #4,600,153 and Canada #1257456) specifically to clean air conditioning condensing units.
- Unique power sprayer that attaches to a regular garden hose.
- Develops over four times the cleaning power of a standard nozzle because of its 13 parallel jet streams of water.
- Delivers a powerful, accurate, but gentle flow that easily flushes line, hair, dirt, grass clippings, cottonwood fuzzies, and other impurities from the coil.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82282	MA-0230 THE SIDEKICK CONDENSER CLEANING TOOL	—

Acid Pump



Compact submersible pump designed for circulating strong acids and cleaning solutions. All parts are constructed of acid-resistant materials. Motor is protected by thermal overload that stops the pump if temperature exceeds 140° F.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	90174	4603-0 31-TX1 ACID PUMP	—

Gallo Gun Drain Cleaner



The Gallo Gun clears condensate drains with a SWOOSH! It is a lightweight 3 oz. portable tool designed to blow out drain lines instantly. Simply insert a SWOOSH CO2 cartridge into the Gallo Gun and with a press of the trigger, 800 PSI of oil free food grade air clears the line.

Each unit comes equipped with a tapered fitting to work on 3/8" drain openings. Flexible hose assembly enables you to maneuver through cabinets, coils and hard to reach drains. Cartridges are safe for the environment and recyclable. No need to carry air or nitrogen tanks. Saves time on service calls and reduces labor costs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	97800	GG-1 CHARLES GALLO GUN	—
12	PKG	97801	GGC-12 CO2 CARTRIDGES	—

DrainKat™



The DrainKat is an over the shoulder refillable, nitrogen or CO2 mini drain cleaning kit. Featuring a small cylinder that holds 9 cubic feet of nitrogen or 2-1/2 pounds of CO2. The cylinder includes an integral mounted regulator for quick and easy adjustment of discharge pressure. Get exactly the amount of pressure you need with a quick adjustment on the regulator.

- Kit includes 87" hose and drain gun kit, CW-15 whiphose and AP-DK accessory kit.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	97798	MBK-6 DRAIN KAT KIT	—

18V Wet/Dry Cordless Vacuum



- Works on Li-ion/NiCd 18V slide-on batteries
- Powerful motor for strong suction and air flow
- Tool box style for easy transport and storage
- On-board accessory and hose storage
- Built-in blower port
- Reusable wet/dry filter
- HEPA rated, high-efficiency filter

Voltage: 18DC
Capacity: 2 gallons
Max Air Flow: 45 cu. ft./min.
Sealed Suction in Water: 32 in.
Dimensions (In): 11.5 H x 19 W x 8.5 D
Tool Weight: 9.4 lbs.
Ship Weight: 13.5 lbs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80557	0880-20 18V CORDLESS VACUUM	

Heavy Duty Vacuum Cleaner Accessories

Paper Filter Bags

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	80113	49-90-0305 PAPER FILTER BAGS 3/PKG	

MA-FB2 Hub Puller

Fan Blade Puller



Use the MA-FB2 to pull off fan blades and blower wheels. It is made of long lasting heavy steel construction. Bar top for easy gripping with a wrench. Made of hardened steel to remove fan blades with unaccessible hubs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	54029	MA-FB2 HEAVY DUTY HUB PULLER	

M18 LED Flood Light

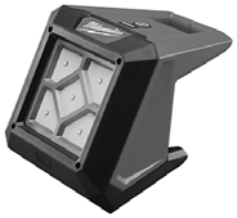


- Up to 8 hours of run time on a single charge
- Trueview: High definition lighting technology
- Equipped with multiple hanging options
- 5-year warranty on tool
- Limted lifetime LED warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81144	2361-20 M18 FLOOD LIGHT	

The Rover™ M12 Compact LED Flood Light

Portable



- Water-, dust-, impact-, and chemical-resistant
- Equipped with multiple hanging options
- High Mode: 1000 lumens , 3.5 hours
- Medium Mode: 400 lumens, 7.5 hours
- Low Mode: 200 lumens, 15 hours
- Dimensions (In): 5.75 D x 7.5 L x 5.5 H
- Weight (Lbs): 2.19
- Warranty: Limited Lifetime

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81246	2364-20 M12 COMPACT FLOOD LIGHT	

M12 Work Light



- 90-degree rotating head
- Ergonomic, compact, and lightweight design
- Integrated magnet on back
- Impact and weather resistant

Worklight

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81136	49-24-0146 M12 LED WORK LIGHT	

Replacement Bulbs

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
M12, M18, V28	1	EA	81071	49-81-0020 14.4V WORK LIGHT BULB F/49-24-0145	
49-24-0145	6	EA	81073	49-81-0090 LED UPGRADE BULB	

M12 LED Metal Flashlight



- Sliding head adjusts beam pattern from spot to flood
- High, low, and strobe output modes
- Warranty: 5 years

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81245	2355-20 M12 LED METAL FLASHLIGHT	

Lights



Headlamp
- Anti-slip silicone strap keeps lamp securely fastened to hard hat
- 45-degree tilt capability for varied beam direction
- Two modes: spot and floodlight
- (3) AAA batteries included



Clip Light
- Rugged, durable rubber case
- Clip to shirt or pocket or mount on any magnetic surface
- Two modes: High/Low
- Water resistant
- (3) AAA batteries included



Penlight
- Aluminum orange body with durable cushion-grip handle
- Clip attaches to pocket
- Soft-on feature for pointer type lighting, click to stay on for extended usage
- Water resistant
- (2) AAA batteries included

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83702	56220 HEADLAMP	
1	EA	83703	56221 CLIPLIGHT	
1	EA	83704	56222 PENLIGHT	

MA-LINE Flashlights



MA-0620



MA-FL3



MA-FL6278



MA-FL6287

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82262	MA-0620 LED FLASHLIGHT	
1	EA	82263	MA-FL3(A) EXTENDABLE FLASHLIGHT	
12	EA	82258	MA-FL6278 1W LED 3W COB WORKLIGHT-MAGNETIC/EXTENDABLE	
12	EA	82259	MA-FL6287 1W LED 3 W COB WORKLIGHT - MAGNETIC/PIVOTING	

Heavy Duty Extension Cord



- For outdoor use
- 125V
- 50 ft.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81345	84657 12/3 50FT HEAVY DUTY YELLOW EXT CORD	

Batteries



Alkaline Maximum™ Industrial Batteries
Mercury and cadmium free—better for the environment.
Made in the U.S.A.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	PKG	81081	7-ALD D ALK BATTERY 6/PKG	
12	PKG	81082	7-ALAAA AAA ALK BATTERY 8/PKG	
12	PKG	81083	7-ALAA AA ALK BATTERY 8/PKG	
12	PKG	81084	7-AL9V 9VOLT ALK BATTERY 6/PKG	
12	EA	81085	7-6VHD 6VOLT HEAVY DUTY BATTERY	

Batteries

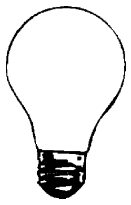




Eveready Energizer industrial alkaline batteries are environmentally safe, mercury-free, and are designed for long-lasting power in high drain, frequent use applications. Batteries are sealed and have excellent leakage resistance and a long storeage life.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	PKG	81358	79444 AAA IND ALK ENERGIZER BATTERY 4/PKG	
12	PKG	81359	79443 AA IND ALK ENERGIZER BATTERY 4/PKG	
12	PKG	81360	79442 C IND ALK ENERGIZER BATTERY 2/PKG	
12	PKG	81361	79441 D IND ALK ENERGIZER BATTERY 2/PKG	
12	PKG	81362	79445 9V IND ALK ENERGIZER BATTERY 2/PKG	
12	PKG	81363	79406 IND ALK EVEREADY LANTERN BATTERY	

Service Bulb



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	EA	77064	79173 100 WATT ROUGH SVC BULB 4/PKG	

Southwire Work Lights and Extension Cords



L1324



L1320



05658



0691, 0692


L1925



L1411


L1240



03488


01688



02518


02588, 02548



02409, 02408



26020008-6



14880023-6


0411 28802

Work Lights

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	81264	L1324 40 LED HIGH INTENSITY PORTABLE WORK LIGHT NO BATTERY	
6	EA	81263	L1320 24 LED PORTABLE WRK LGHT 7.4V BATTERY/CHARGER INCLUDED	

Trouble Lights and Task Lights

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	80744	81262-88-02 50' 14/3 SJEOW TROUBLE LIGHT YELLOW	
6	EA	81262	0692 50' 16/3 SJT TROUBLE LIGHT ORANGE	
12	EA	81261	0691 25' 16/3 SJT TROUBLE LIGHT ORANGE	
6	EA	81258	L1411 16 LED TASKLIGHT W/8 LED SPOTLIGHT AND LASER POINTER	
12	EA	81259	L1240 21 LED HEAD LAMP	

Extension Cords and Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	80743	03488-00-02 12/3 50' SJEOOW TRI-SRCE PLR/SLR+ LIGHTED EXT CORD YLW	
4	EA	80740	02518-88-28 12/3 45' SJTW PUSH-LOCK LIGHTED EXT CORD YELLOW/BLACK	
6	EA	81255	025880002 12/3 50' SJTW LIGHTED EXT CORD YELLOW	
4	EA	81257	02549USA1 12/3 100' SJTW LIGHTED EXT CORD RED/WHITE/BLUE	
6	EA	81256	02548USA1 12/3 50' SJTW LIGHTED EXT CORD RED/WHITE/BLUE	
6	EA	81254	024098804 14/3 100' SJTW EXT CORD RED	
6	EA	81253	024088804 14/3 50' SJTW EXT CORD RED	
6	EA	81251	26020008-6 12/3 2.5' SJTW TRISOURCE IN-LINE GFCI ADAPTER	
6	EA	81250	14880023-6 12/3 2' SJTW RIGHT ANGLE TRI-SOURCE GFCI ADAPTER	
12	EA	81252	041128802 12/3 2' STW TRI-SOURCE ADAPTER	
1	EA	80752	05933-88-00 13W U-SHAPED BULB F/05999	

M12 M-Spector™ Digital Inspection Cameras

The digital inspection camera provides a crystal clear picture of tough to reach places such as inside pipes and drains, equipment and behind walls. With picture, audio and video capabilities, professionals can now inspect and document issues, download the information to their computer and send visual confirmation to a customer or supervisor for review. Optimal image quality and control is achieved via an exclusive Image Zoom feature and LED brightness control. Equipped with a durable, detachable, water-tight flexible cable and a small camera head, the Digital Inspection Camera fits through holes as small a 3/4" and gets into, under and around tight spaces.



2311-21

2311-21

- Includes
- 12 V Lithium Ion Battery
- 12 V Charger
- Carrying Case
- Expandable, flexible camera cable
- USB Cable
- 2 GB Memory Card

Features

- Integrated microphone and speaker
- LCD Display: 3.5”
- Camera Head Diameter: 0.7” (17mm)
- Adjustable Image Zoom: 4X
- LED Brightness: 4X
- Display Resolution: 320 x 240
- Auto Shut-Off Feature
- Run Time: 12 Hours
- Shipping Weight: 7.26 lbs



2313-21

2313-21

- Includes
- M12 Red Lithium Battery
- 30 minute charger
- Carrying case
- Hook, magnet and mirror attachments

Features

- LCD Display: 2.7" high-resolution color
- Image Sensor Pixel Density: 640 x 480
- Camera Head Diameter: .35" (9mm)
- LED Brightness: 4 LEDs, 5 settings
- Display Resolution: 320 x 240
- Shipping Weight: 5.7 lbs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81019	2311-21 M12 CORDLESS MULTIMEDIA CAMERA KIT	
1	EA	81127	2313-21 M12 M-SPECTOR 360 CAMERA	

Borescope Inspection Camera



- Features a durable camera snake, high resolution screen, mirror image and adjustable LED worklight.
- Dustproof and waterproof camera.
- Includes: Borescope, 17mm gooseneck camera, rechargeable lithium ion battery, mirror camera attachment, hook camera attachment, magnet camera attachment, USB data adapter/charger, USB power adapter/charger.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83710	ET510 BORESCOPE CAMERA	

M12 Job Site Wireless Speaker



- Bluetooth connectivity with portable electronic devices up to 300 feet away
- Integrated bass port delivers loud, clear sound at all volumes
- 1-year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81143	2592-20 M12 WIRELESS JOB SITE SPEAKER	

M18 Jobsite Radio/Charger



This jobsite radio/charger features a Bluetooth receiver, a port for charging M18 batteries, and a USB port for fast charging of most portable electronic devices.

- Includes a 16" auxiliary input cord and 2 AAA batteries
- Modes: FM/AM, Aux, Bluetooth
- 1-year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81177	2792-20 M18 JOB SITE RADIO / CHARGER	

M12 Heated Jacket



2393 Includes

- M12 Real Tree Xtra camo jacket
- M12 Red Lithium Battery (48-11-2401)
- M12 Lithium-ion Battery charger (48-59-2401)
- Battery holder

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81198	2393-L M12 LARGE CAMO HEATED JACKET KIT "REALTREE XTRA"	

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