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Group 1 Air Distribution

Group 1 Air Distribution

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115 ZIPP-R Lock 2 Ft. Pipe



All the features of the patented ZIPP-R Lock Pipe are incorporated in this 24" length. It is manufactured of 24, 26, 28, and 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
25	JT	10242	115 5IN 24GA PIPE		
10	JT	10243	115 6IN 24GA PIPE BNDL		
10	JT	10244	115 7IN 24GA PIPE		
10	JT	10245	115 8IN 24GA PIPE		
10	JT	10246	115 9IN 24GA PIPE		
10	JT	10247	115 10IN 24GA PIPE		
10	JT	10248	115 12IN 24GA PIPE		
25	JT	10261	115 3IN 26GA PIPE		
25	JT	10262	115 4IN 26GA PIPE		
25	JT	10263	115 5IN 26GA PIPE		
25	JT	10264	115 6IN 26GA PIPE		
25	JT	10265	115 7IN 26GA PIPE		
25	JT	10266	115 8IN 26GA PIPE		
25	JT	10268	115 10IN 26GA PIPE		
10	JT	10269	115 12IN 26GA PIPE		
10	JT	10270	115 14IN 26GA PIPE		
10	JT	10271	115 16IN 26GA PIPE		
10	JT	10272	115 18IN 26GA PIPE		
25	JT	10281	115 3IN 28GA PIPE		
25	JT	10282	115 4IN 28GA PIPE		
25	JT	10283	115 5IN 28GA PIPE		
25	JT	10284	115 6IN 28GA PIPE		
10	JT	10293	115 4IN X 100IN 30GA GALV PIPE BNDL		
25	JT	10303	115 3IN 30GA PIPE		
25	JT	10304	115 4IN 30GA PIPE		
25	JT	10305	115 5IN 30GA PIPE		
25	JT	10306	115 6IN 30GA PIPE		
25	JT	10307	115 7IN 30GA PIPE		
25	JT	10308	115 8IN 30GA PIPE		
25	JT	10309	115 9IN 30GA PIPE		
25	JT	10310	115 10IN 30GA PIPE		
25	JT	10311	115 12IN 30GA PIPE		



115 Aluminum Pipe, 2 Foot



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	JT	13451	115 4IN ALUM PIPE		



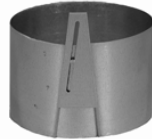
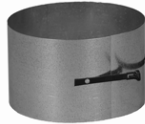
931 and 932 ZIPP-R Pipe and Fittings



ZIPP-R pipe is the original long length pipe with the patented ZIPP-R lock. The crimp is tapered to make assembly simple and quick. Positive positioning of the lock insures installed runs stay together when put together. Nested for quicker removal from the bundle.

931/932

140



140C

933

931 and 932 ZIPP-R Lock Pipe

Price Per CFT

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	FT	10695	931-50 6IN 10FT 30GA PIPE 50FT		
50	FT	10691	931-50 6IN 10FT PIPE BNDL (50FT)		
100	FT	10696	931 4IN 10FT 30GA PIPE		
100	FT	10697	931 5IN 10FT 30GA PIPE		
100	FT	10698	931 6IN 10FT 30GA PIPE		
50	FT	10699	931 7IN 10FT 30GA PIPE		
50	FT	10700	931 8IN 10FT 30GA PIPE BNDLD		
25	FT	10770	932 4IN 5FT 26GA PIPE		
50	FT	10769	932 5IN 5FT 26GA PIPE		
25	FT	10724	932 6IN 5FT 26GA PIPE		
25	FT	10725	932 7IN 5FT 26GA PIPE		
25	FT	10726	932 8IN 5FT 26GA PIPE		
25	FT	10727	932 9IN 5FT 26GA PIPE		
25	FT	10728	932 10IN 5FT 26GA PIPE		
25	FT	10729	932 12IN 5FT 26GA PIPE		
25	FT	10759	932 14IN 5FT 26GA PIPE		
25	FT	10760	932 16IN 5FT 26GA PIPE		
25	FT	15700	932 18IN 5FT 26GA PIPE		
25	FT	10747	932 3IN 5FT 30GA PIPE BNDL		
50	FT	10736	932 4IN 5FT 30GA PIPE		
50	FT	10737	932 5IN 5FT 30GA PIPE		
50	FT	10738	932 6IN 5FT 30GA PIPE		
50	FT	15662	932 6IN 5FT 30GA PIPE BNDL		
50	FT	10739	932 7IN 5FT 30GA PIPE		
50	FT	10740	932 8IN 5FT 30GA PIPE		
50	FT	10741	932 9IN 5FT 30GA PIPE		
50	FT	10742	932 10IN 5FT 30GA PIPE		
50	FT	10743	932 12IN 5FT 30GA PIPE		

140 Drawband

12	EA	10423	140 6IN DRAWBAND		
12	EA	10424	140 7IN DRAWBAND		
12	EA	10425	140 8IN DRAWBAND		
12	EA	10428	140 12IN DRAWBAND		
12	EA	10429	140 14IN DRAWBAND		
12	EA	10430	140 16IN DRAWBAND		

140C Drawband with Plastic Clamp

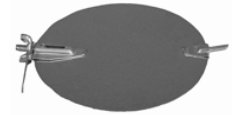
24	EA	11150	140C 6IN DRAWBAND		
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933 ZIPP-R Pipe Connector (Patent #2692417)

25	EA	13159	933 6IN CONN		
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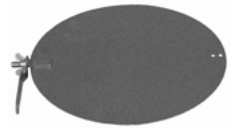
928 E-Z On Damper With Easy On Garret Clips



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	13128	928 4IN DAMPER		
24	EA	13129	928 5IN DAMPER		
24	EA	13130	928 6IN DAMPER		
24	EA	13131	928 7IN DAMPER		
24	EA	13132	928 8IN DAMPER		
24	EA	13134	928 10IN DAMPER		
24	EA	13135	928 12IN DAMPER		
24	EA	13136	928 14IN DAMPER		
24	EA	13138	928 18IN DAMPER		



925 Econo Damper

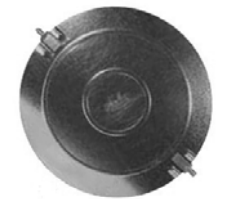


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	EA	13091	925 6IN DAMPER		
50	EA	13092	925 7IN DAMPER		
50	EA	13093	925 8IN DAMPER		



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	



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
12	EA	10940	120 5IN 24GA ELBOW		
12	EA	10941	120 6IN 24GA ELBOW		
12	EA	10942	120 7IN 24GA ELBOW		
12	EA	10943	120 8IN 24GA ELBOW		
12	EA	10944	120 9IN 24GA ELBOW		
12	EA	10945	120 10IN 24GA ELBOW		
12	EA	10946	120 12IN 24GA ELBOW		
4	EA	10948	120 16IN 24GA ELBOW		
1	EA	10949	120 18IN 24GA ELBOW		
24	EA	10958	120 3IN 26GA ELBOW		
24	EA	10959	120 4IN 26GA ELBOW		
12	EA	10960	120 5IN 26GA ELBOW		
12	EA	10961	120 6IN 26GA ELBOW		
12	EA	10962	120 7IN 26GA ELBOW		
12	EA	10963	120 8IN 26GA ELBOW		
12	EA	10964	120 9IN 26GA ELBOW		
12	EA	10965	120 10IN 26GA ELBOW		
12	EA	10966	120 12IN 26GA ELBOW		
4	EA	10967	120 14IN 26GA ELBOW		
4	EA	10968	120 16IN 26GA ELBOW		
1	EA	10969	120 18IN 26GA ELBOW		
24	EA	10979	120 3IN 28GA ELBOW		
24	EA	10980	120 4IN 28GA ELBOW		
12	EA	10981	120 5IN 28GA ELBOW		
12	EA	10982	120 6IN 28GA ELBOW		
12	EA	10987	120 12IN 28GA ELBOW		
24	EA	10999	120 3IN 30GA ELBOW		
24	EA	11000	120 4IN 30GA ELBOW		
12	EA	11001	120 5IN 30GA ELBOW		
20	EA	11003	120 6IN 30GA ELBOW		
12	EA	11004	120 7IN 30GA ELBOW		
12	EA	11005	120 8IN 30GA ELBOW		
12	EA	11006	120 9IN 30GA ELBOW		
12	EA	11007	120 10IN 30GA ELBOW		
12	EA	11008	120 12IN 30GA ELBOW		



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		
24	EA	13471	120 4IN 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		
24	EA	11076	130 8IN 24GA ANGLE		
24	EA	11096	130 6IN 26GA ANGLE		
24	EA	11099	130 9IN 26GA ANGLE		
24	EA	11100	130 10IN 26GA ANGLE		
12	EA	11101	130 12IN 26GA ANGLE		
1	EA	11102	130 14IN 26GA ANGLE		
24	EA	11132	130 5IN 30GA ANGLE		
24	EA	11133	130 6IN 30GA ANGLE		
24	EA	11135	130 8IN 30GA ANGLE		
24	EA	11136	130 9IN 30GA ANGLE		
12	EA	11138	130 12IN 30GA ANGLE		



145W Smooth-Flow Y-Branch For Warm Air Installations



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	15008	145W 6X4X4 Y-BRANCH		
12	EA	15011	145W 6X6X6 Y BRANCH		
12	EA	15012	145W 7X6X4 Y-BRANCH		
12	EA	15016	145W 7X5X5 Y-BRANCH		
12	EA	11194	145W 8X6X6 Y-BRANCH		
12	EA	15023	145W 8X7X6 Y-BRANCH		
12	EA	11195	145W 9X7X7 Y-BRANCH		
12	EA	15027	145W 9X8X6 Y-BRANCH		
12	EA	11196	145W 10X8X8 Y-BRANCH		
12	EA	11197	145W 12X10X10 Y-BRANCH		
12	EA	15028	145W 14X10X10 Y BRANCH		
6	EA	11198	145W 14X12X12 Y-BRANCH		



150-F and 151-F Smooth-Flow Tee Joints For Flue Installations



150F

151F

150-F 90° Tee Joints

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11213	150-F 3X3X3 TEE		
12	EA	15040	150-F 4X3X3 TEE		
12	EA	11214	150-F 4X4X4 TEE		
12	EA	11212	150-F 5X4X3 TEE		
12	EA	15045	150-F 5X4X4 TEE		
12	EA	11215	150-F 5X5X3 TEE		
12	EA	15047	150-F 5X5X4 TEE		
12	EA	11216	150-F 5X5X5 TEE		
12	EA	15052	150-F 6X4X3 TEE		
12	EA	11217	150-F 6X5X3 TEE		
12	EA	11211	150-F 6X5X4 TEE		
12	EA	11218	150-F 6X6X3 TEE		
12	EA	11219	150-F 6X6X4 TEE		
12	EA	11220	150-F 6X6X6 TEE		
12	EA	11222	150-F 7X5X4 TEE		
12	EA	11223	150-F 7X6X3 TEE		
12	EA	11224	150-F 7X6X4 TEE		
12	EA	11225	150-F 7X7X3 TEE		
12	EA	11226	150-F 7X7X4 TEE		
12	EA	11228	150-F 7X7X7 TEE		
12	EA	11229	150-F 8X8X6 TEE		
12	EA	11230	150-F 8X8X8 TEE		
6	EA	11231	150-F 9X9X9 TEE		
6	EA	11232	150-F 10X10X10 TEE		
6	EA	11233	150-F 12X12X12 TEE		
3	EA	11234	150-F 14X14X14 TEE		
1	EA	15136	150-F 16X16X16 TEE		
1	EA	15146	150-F 18X18X18 TEE		

151-F 45° Tee Joints

12	EA	15228	151-F 4X3X3 45 DEG TEE		
12	EA	15233	151F 5X4X3 45 DEG TEE		
12	EA	15234	151F 5X4X4 45 DEG TEE		
12	EA	15235	151F 5X5X3 45 DEG TEE		
12	EA	15239	151F 6X4X3 45 DEG TEE		
12	EA	15240	151F 6X4X4 45 DEG FLUE TEE		
12	EA	15241	151F 6X5X3 45 DEG TEE		
12	EA	15242	151F 6X5X4 45 DEG TEE		
6	EA	15248	151-F 6X6X6 45 DEG TEE		
12	EA	15257	151-F 7X4X4 45 DEG TEE		
12	EA	15261	151-F 7X6X4 45 DEG TEE		
12	EA	15263	151-F 7X7X4 45 DEG TEE		
12	EA	11205	151F 8X6X6 45DG TEE JOINT		
12	EA	15272	151-F 8X7X4 45 DEG TEE		



160 and 161 Cleanout Caps



160 with Crimped Collar

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11253	160 3IN CLEANOUT CAP		
12	EA	11254	160 4IN CLEANOUT CAP		
12	EA	11255	160 5IN CLEANOUT CAP		
12	EA	11256	160 6IN CLEANOUT CAP		
12	EA	11257	160 7IN CLEANOUT CAP		
12	EA	11258	160 8IN CLEANOUT CAP		
12	EA	11259	160 9IN CLEANOUT CAP		
12	EA	11260	160 10IN CLEANOUT CAP		
12	EA	11261	160 12IN CLEANOUT CAP		
12	EA	11262	160 14IN CLEANOUT CAP		
12	EA	11263	160 16IN CLEANOUT CAP		
12	EA	11264	160 18IN CLEANOUT CAP		

161 with Plain Collar

12	EA	11273	161 3IN PLAIN CLEANOUT CAP		
12	EA	11274	161 4IN PLAIN CLEANOUT CAP		
12	EA	11275	161 5IN PLAIN CLEANOUT CAP		
12	EA	11276	161 6IN PLAIN CLEANOUT CAP		
12	EA	11277	161 7IN PLAIN CLEANOUT CAP		
12	EA	11278	161 8IN PLAIN CLEANOUT CAP		
12	EA	11279	161 9IN PLAIN CLEANOUT CAP		
12	EA	11280	161 10IN PLAIN CLEANOUT CAP		
12	EA	11281	161 12IN PLAIN CLEANOUT CAP		
12	EA	11282	161 14IN PLAIN CLEANOUT CAP		
12	EA	11283	161 16IN PLAIN CLEANOUT CAP		
12	EA	11284	161 18IN PLAIN CLEANOUT CAP		



164 Adjustable Safety Collars



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11315	164 4IN SAFETY COLLAR		
12	EA	11317	164 6IN SAFETY COLLAR		
12	EA	11318	164 7IN SAFETY COLLAR		
12	EA	11319	164 8IN SAFETY COLLAR		



180 and 181 Reducers

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



180



181

180 Reducers, Plain Ends

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11360	180 4X3 REDUCER		
12	EA	11361	180 5X3 REDUCER		
12	EA	11362	180 5X4 REDUCER		
12	EA	11363	180 6X3 REDUCER		
12	EA	11364	180 6X4 REDUCER		
12	EA	11365	180 6X5 REDUCER		
12	EA	11367	180 7X4 REDUCER		
12	EA	11368	180 7X5 REDUCER		
12	EA	11369	180 7X6 REDUCER		
12	EA	11370	180 8X4 REDUCER		
12	EA	11371	180 8X5 REDUCER		
12	EA	11372	180 8X6 REDUCER		
12	EA	11373	180 8X7 REDUCER		
12	EA	11375	180 9X6 REDUCER		
12	EA	11376	180 9X7 REDUCER		
12	EA	11377	180 9X8 REDUCER		
12	EA	11378	180 10X5 REDUCER		
12	EA	11379	180 10X6 REDUCER		
12	EA	11380	180 10X7 REDUCER		
12	EA	11381	180 10X8 REDUCER		
12	EA	11382	180 10X9 REDUCER		
12	EA	11383	180 12X6 REDUCER		
12	EA	11384	180 12X7 REDUCER		
12	EA	11385	180 12X8 REDUCER		
12	EA	11387	180 12X10 REDUCER		

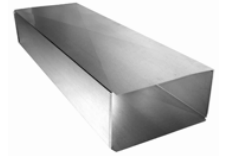
181 Tapered Reducers, Plain Ends

12	EA	11500	181 4X3 TAPERED REDUCER		
12	EA	11501	181 5X3 TAPERED REDUCER		
12	EA	11502	181 5X4 TAPERED REDUCER		
12	EA	11503	181 6X3 TAPERED REDUCER		
12	EA	11504	181 6X4 TAPERED REDUCER		
12	EA	11505	181 6X5 TAPERED REDUCER		
12	EA	11506	181 7X3 TAPERED REDUCER		
12	EA	11507	181 7X4 TAPERED REDUCER		
12	EA	11508	181 7X5 TAPERED REDUCER		
12	EA	11509	181 7X6 TAPERED REDUCER		
12	EA	11511	181 8X5 TAPERED REDUCER		
12	EA	11512	181 8X6 TAPERED REDUCER		
12	EA	11513	181 8X7 TAPERED REDUCER		
12	EA	11515	181 9X6 TAPERED REDUCER		
12	EA	11516	181 9X7 TAPERED REDUCER		
12	EA	11517	181 9X8 TAPERED REDUCER		
12	EA	11519	181 10X5 TAPERED REDUCER		
12	EA	11520	181 10X6 TAPERED REDUCER		
12	EA	11521	181 10X7 TAPERED REDUCER		
12	EA	11522	181 10X8 TAPERED REDUCER		
12	EA	15406	181 10X9 TAPERED REDUCER		
12	EA	15408	181 11X8 TAPERED REDUCER		
12	EA	11525	181 12X8 TAPERED REDUCER		
12	EA	11527	181 12X10 TAPERED REDUCER		
12	EA	11528	181 14X12 TAPERED REDUCER		
12	EA	15414	181 14X8 TAPERED REDUCER		
12	EA	15425	181 16X12 TAPERED REDUCER		
12	EA	15426	181 16X14 TAPERED REDUCER		



636 Trunkline Duct with ZIPP-R Lock

Uncartoned



636-48: 48" L x 8" H

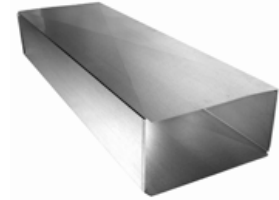
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
6	EA	10315	636-48 8X8 DUCT W/S&D		
6	EA	10316	636-48 10X8 DUCT W/S&D		
6	EA	10317	636-48 12X8 DUCT W/S&D		
6	EA	10318	636-48 14X8 DUCT W/S&D		
6	EA	10319	636-48 16X8 DUCT W/S&D		
6	EA	10320	636-48 18X8 DUCT W/S&D		
6	EA	10321	636-48 20X8 DUCT W/S&D		
6	EA	10322	636-48 22X8 DUCT W/S&D		
6	EA	10323	636-48 24X8 DUCT W/S&D		

636-60: 60" L x 8" H

6	EA	10824	636-60 8X8 DUCT W/S&D		
6	EA	10825	636-60 10X8 DUCT W/S&D		
6	EA	10826	636-60 12X8 DUCT W/S&D		
6	EA	10827	636-60 14X8 DUCT W/S&D		
6	EA	10828	636-60 16X8 DUCT W/S&D		
6	EA	10829	636-60 18X8 DUCT W/S&D		
6	EA	10830	636-60 20X8 DUCT W/S&D		
6	EA	10831	636-60 22X8 DUCT W/S&D		
6	EA	10832	636-60 24X8 DUCT W/S&D		
3	EA	10511	636-60 26X8 DUCT		
3	EA	10512	636-60 28X8 DUCT		
3	EA	10513	636-60 30X8 DUCT		



636 Trunkline Duct with ZIPP-R Lock



- Eliminates duct boom.
- Whisper quiet air movement.
- Manufactured with prime galvanized steel.
- ZIPP-R lock edge for a quick positive lock.
- Less metal movement than standard cross broken duct.

636-48 Trunkline: 48 In. Long (10 & 12 In. H)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
5	EA	10880	636-48 10X10 DUCT W/S&D		
5	EA	10881	636-48 12X10 DUCT W/S&D		
5	EA	10882	636-48 14X10 DUCT W/S&D		
5	EA	10883	636-48 16X10 DUCT W/S&D		
5	EA	10884	636-48 18X10 DUCT W/S&D		
2	EA	10345	636-48 20 X 10 DUCT W/S&D		
2	EA	10346	636-48 25 X 10 DUCT		
5	JT	10893	636-48 20X12 DUCT		
5	JT	10894	636-48 22X12 DUCT		
5	JT	10895	636-48 24X12 DUCT		
5	JT	10896	636-48 26X12 DUCT		
5	JT	10897	636-48 28X12 DUCT		
5	JT	10898	636-48 30X12 DUCT		

636-60, Trunkline: 60 In. Long (10 & 12 In. H)

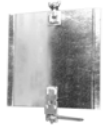
5	EA	10852	636-60 10X10 DUCT W/S&D		
5	EA	10861	636-60 12X10 DUCT W/S&D		
1	EA	10862	636-60 14X10 DUCT W/S&D		
3	EA	10853	636-60 16X10 DUCT W/S&D		
3	EA	10854	636-60 18X10 DUCT W/S&D		
3	EA	10855	636-60 20X10 DUCT W/S&D		
3	EA	10856	636-60 22X10 DUCT W/S&D		
3	EA	10857	636-60 24X10 DUCT W/S&D		
3	EA	10858	636-60 26X10 DUCT		
3	EA	10859	636-60 28X10 DUCT		
1	EA	10860	636-60 30X10 DUCT		
5	EA	10899	636-60 24X12 DUCT		

636-96 Trunkline: 96 In. Long (8 & 10 In. H)

3	EA	10522	636-96 8X8 DUCT W/S&D		
3	EA	10523	636-96 10X8 DUCT W/S&D		
3	EA	10524	636-96 12X8 DUCT W/S&D		
4	EA	10525	636-96 14X8 DUCT W/S&D		
3	EA	10526	636-96 16X8 DUCT W/S&D		
3	EA	10527	636-96 18X8 DUCT W/S&D		
3	EA	10528	636-96 20X8 DUCT W/S&D		
3	EA	10529	636-96 22X8 DUCT W/S&D		
3	EA	10530	636-96 24X8 DUCT W/S&D		
3	EA	10553	636-96 10X10 DUCT W/S&D		
3	EA	10554	636-96 12X10 DUCT W/S&D		
3	EA	10555	636-96 14X10 DUCT W/S&D		
3	EA	10556	636-96 16X10 DUCT W/S&D		
3	EA	10557	636-96 18X10 DUCT W/S&D		
3	EA	10558	636-96 20X10 DUCT W/S&D		
3	EA	10559	636-96 24X10 DUCT W/S&D		



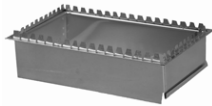
Rectangular Dampers



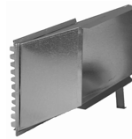
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	13144	1242 8X8 RECTANGULAR DAMPER CTND		
25	EA	13145	1242 10X8 RECTANGULAR DAMPER CTND		
25	EA	13146	1242 12X8 RECTANGULAR DAMPER CTND		
25	EA	13147	1242 14X8 RECTANGULAR DAMPER CTND		
25	EA	13148	1242 16X8 RECTANGULAR DAMPER CTND		
25	EA	13149	1242 18X8 RECTANGULAR DAMPER CTND		
25	EA	13150	1242 20X8 RECTANGULAR DAMPER CTND		
25	EA	13151	1242 22X8 RECTANGULAR DAMPER CTND		
25	EA	13152	1242 24X8 RECTANGULAR DAMPER CTND		
25	EA	13153	1242 20X10 RECTANGULAR DAMPER CTND		



601, 602, 603C Trunkline Products



601



602



603C

601 Trunkline Starting Collar

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11831	601 8X8 RA START COLLAR		
12	EA	11833	601 10X8 RA START COLLAR		
12	EA	11835	601 12X8 RA START COLLAR		
12	EA	11840	601 14X8 RA START COLLAR		
12	EA	11842	601 16X8 RA START COLLAR		
6	EA	11844	601 18X8 RA START COLLAR		
6	EA	11847	601 20X8 RA START COLLAR		
6	EA	11848	601 22X8 RA START COLLAR		
6	EA	11849	601 24X8 RA START COLLAR		
6	EA	11850	601 26X8 RA START COLLAR		
6	EA	11868	601 10X10 RA START COLLAR		
6	EA	11869	601 12X10 RA START COLLAR		
6	EA	11870	601 14X10 RA START COLLAR		
6	EA	11813	601 16X10 RA START COLLAR		
3	EA	11814	601 18X10 RA START COLLAR		
6	EA	11845	601 20X10 RA START COLLAR		
3	EA	11837	601 22X10 RA START COLLAR		
3	EA	11841	601 24X10 RA START COLLAR		
4	EA	11843	601 26X10 RA START COLLAR		
4	EA	11846	601 28X10 RA START COLLAR		
4	EA	11871	601 30X10 RA START COLLAR		

602 Offset Trunkline Starting Collar

12	EA	11855	602 8X8 TAKEOFF		
12	EA	11856	602 10X8 TAKEOFF		
12	EA	11857	602 12X8 TAKEOFF		
12	EA	11858	602 14X8 TAKEOFF		
12	EA	11859	602 16X8 TAKEOFF		
6	EA	11860	602 18X8 TAKEOFF		
6	EA	11861	602 20X8 TAKEOFF		
6	EA	11862	602 22X8 TAKEOFF		
6	EA	11863	602 24X8 TAKEOFF		
6	EA	11866	602 30X8 TAKEOFF		

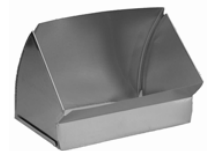
Continued on the Following Page

603C Transition Trunkline Starting Collar

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	11873	603C 10X13 16X8 COLLAR		
6	EA	11874	603C 10X15 18X8 COLLAR		
6	EA	11875	603C 10X16 20X8 COLLAR		
6	EA	11876	603C 10X18 22X8 COLLAR		
3	EA	11877	603C 10X20 24X8 COLLAR		
3	EA	12010	603C 15X16 24X8 COLLAR		
3	EA	12012	603C 15X16 30X8 COLLAR		
12	EA	12041	603C 10X12 14X8 COLLAR W/2IN RISE		
6	EA	12042	603C 10X13 16X8 COLLAR W/2IN RISE		
6	EA	12043	603C 10X15 18X8 COLLAR W/2IN RISE		
6	EA	12013	603C 10X16 16X10 COLLAR W/2IN RISE		
6	EA	12044	603C 10X16 20X8 COLLAR W/2IN RISE		
6	EA	12045	603C 10X18 22X8 COLLAR W/2IN RISE		
3	EA	12046	603C 10X20 24X8 COLLAR W/2IN RISE		
6	EA	12014	603C 13X16 20X10 COLLAR W/2IN RISE		
3	EA	12048	603C 15X15 26X8 COLLAR W/2IN RISE		
3	EA	12003	603C 15X16 24X10 COLLAR W/2IN RISE		
3	EA	12047	603C 15X16 30X8 COLLAR W/2IN RISE		
3	EA	12004	603C 15X18 26X10 COLLAR W/2IN RISE		
3	EA	12006	603C 15X20 30X10 COLLAR W/2IN RISE		



606 and 610-ST Trunkline Products



606

610-ST

606 Trunkline Adapters (Offset Duct Reduction)

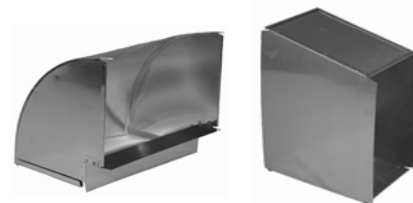
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	11885	606 2IN TRUNKLINE REDUCER		
24	EA	11886	606 4IN TRUNKLINE REDUCER		
24	EA	11887	606 6IN TRUNKLINE REDUCER		
24	EA	12053	606 4IN GLV REDUCER 10IN CTND		
24	EA	12054	606 6IN GLV REDUCER 10IN CTND		

610-ST Trunkline Vertical Square Throat Angle

12	EA	15703	610-ST 8X8 SQUARE THROAT ANGLE		
12	EA	15705	610-ST 10X8 SQUARE THROAT ANGLE		
12	EA	15707	610-ST 12X8 SQUARE THROAT ANGLE		
12	EA	15709	610-ST 14X8 SQUARE THROAT ANGLE		
12	EA	15711	610-ST 16X8 SQUARE THROAT ANGLE		
6	EA	15713	610-ST 18X8 SQUARE THROAT ANGLE		
6	EA	15715	610-ST 20X8 SQUARE THROAT ANGLE		
6	EA	15717	610-ST 22X8 SQUARE THROAT ANGLE		
6	EA	15719	610-ST 24X8 SQUARE THROAT ANGLE		
1	EA	15720	610-ST 26X8 SQUARE THROAT ANGLE		
1	EA	15721	610-ST 28X8 SQUARE THROAT ANGLE		
1	EA	15722	610-ST 30X8 SQUARE THROAT ANGLE		
6	EA	15706	610-ST 10X10 SQUARE THROAT ANGLE		
6	EA	15708	610-ST 12X10 SQUARE THROAT ANGLE		
6	EA	15710	610-ST 14X10 SQUARE THROAT ANGLE		
6	EA	15723	610-ST 16X10 SQUARE THROAT ANGLE		
6	EA	15724	610-ST 18X10 SQUARE THROAT ANGLE		
6	EA	15725	610-ST 20X10 SQUARE THROAT ANGLE		
6	EA	15726	610-ST 22X10 SQUARE THROAT ANGLE		
6	EA	15727	610-ST 24X10 SQUARE THROAT ANGLE		
3	EA	15728	610-ST 26X10 SQUARE THROAT ANGLE		
3	EA	15729	610-ST 28X10 SQUARE THROAT ANGLE		
3	EA	15731	610-ST 30X10 SQUARE THROAT ANGLE		



611-ST and 612 Trunkline Products



611-ST

612

611-ST Trunkline Vertical Square Throat Elbow

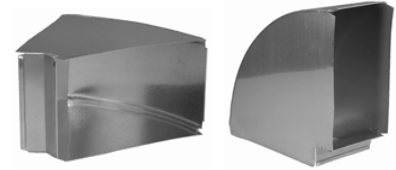
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	15739	611-ST 8X8 SQUARE THROAT ELBOW		
12	EA	15741	611-ST 10X8 SQUARE THROAT ELBOW		
6	EA	15743	611-ST 12X8 SQUARE THROAT ELBOW		
6	EA	15745	611-ST 14X8 SQUARE THROAT ELBOW		
6	EA	15747	611-ST 16X8 SQUARE THROAT ELBOW		
6	EA	15749	611-ST 18X8 SQUARE THROAT ELBOW		
6	EA	15751	611-ST 20X8 SQUARE THROAT ELBOW		
6	EA	15753	611-ST 22X8 SQUARE THROAT ELBOW		
6	EA	15755	611-ST 24X8 SQUARE THROAT ELBOW		
1	EA	15756	611-ST 26X8 SQUARE THROAT ELBOW		
1	EA	15757	611-ST 28X8 SQUARE THROAT ELBOW		
4	EA	15758	611-ST 30X8 SQUARE THROAT ELBOW		
6	EA	15760	611-ST 10X10 SQUARE THROAT ELBOW		
6	EA	15761	611-ST 12X10 SQUARE THROAT ELBOW		
6	EA	15762	611-ST 14X10 SQUARE THROAT ELBOW		
3	EA	15763	611-ST 16X10 SQUARE THROAT ELBOW		
4	EA	15764	611-ST 18X10 SQUARE THROAT ELBOW		
2	EA	15765	611-ST 20X10 SQUARE THROAT ELBOW		
2	EA	15766	611-ST 22X10 SQUARE THROAT ELBOW		
2	EA	15767	611-ST 24X10 SQUARE THROAT ELBOW		
2	EA	15768	611-ST 26X10 SQUARE THROAT ELBOW		
1	EA	15769	611-ST 28X10 SQUARE THROAT ELBOW		
1	EA	15771	611-ST 30X10 SQUARE THROAT ELBOW		

612 Trunkline Reducer

12	EA	11943	612 12X8 TO 8X8 REDUCER		
12	EA	11944	612 12X8 TO 10X8 REDUCER		
12	EA	11948	612 14X8 TO 12X8 REDUCER		
12	EA	11952	612 16X8 TO 12X8 REDUCER		
6	EA	11953	612 16X8 TO 14X8 REDUCER		
6	EA	11958	612 18X8 TO 14X8 REDUCER		
6	EA	11959	612 18X8 TO 16X8 REDUCER		
6	EA	11964	612 20X8 TO 14X8 REDUCER		
6	EA	11965	612 20X8 TO 16X8 REDUCER		
6	EA	11966	612 20X8 TO 18X8 REDUCER		
3	EA	11973	612 22X8 TO 18X8 REDUCER		
3	EA	11980	612 24X8 TO 16X8 REDUCER		
3	EA	11982	612 24X8 TO 20X8 REDUCER		



614-ST and 615-ST Trunkline Products



614-ST

615-ST

614-ST Trunkline Flat Square Throat Angle

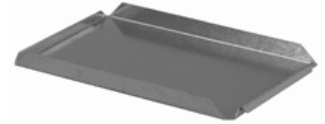
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	15774	614-ST 8X8 SQUARE THROAT ANGLE		
12	EA	15776	614-ST 10X8 SQUARE THROAT ANGLE		
12	EA	15778	614-ST 12X8 SQUARE THROAT ANGLE		
12	EA	15780	614-ST 14X8 SQUARE THROAT ANGLE		
12	EA	15782	614-ST 16X8 SQUARE THROAT ANGLE		
6	EA	15784	614-ST 18X8 SQUARE THROAT ANGLE		
6	EA	15786	614-ST 20X8 SQUARE THROAT ANGLE		
6	EA	15788	614-ST 22X8 SQUARE THROAT ANGLE		
6	EA	15790	614-ST 24X8 SQUARE THROAT ANGLE		
1	EA	15791	614-ST 26X8 SQUARE THROAT ANGLE		
1	EA	15793	614-ST 30X8 SQUARE THROAT ANGLE		
6	EA	15794	614-ST 10X10 SQUARE THROAT ANGLE		
6	EA	15795	614-ST 12X10 SQUARE THROAT ANGLE		
6	EA	15797	614-ST 14X10 SQUARE THROAT ANGLE		
6	EA	15798	614-ST 16X10 SQUARE THROAT ANGLE		
6	EA	15799	614-ST 18X10 SQUARE THROAT ANGLE		
6	EA	15800	614-ST 20X10 SQUARE THROAT ANGLE		
6	EA	15801	614-ST 22X10 SQUARE THROAT ANGLE		
6	EA	15802	614-ST 24X10 SQUARE THROAT ANGLE		
2	EA	15803	614-ST 26X10 SQUARE THROAT ANGLE		

615-ST Trunkline Flat Square Elbows

12	EA	15814	615-ST 8X8 SQUARE THROAT ELBOW		
12	EA	15816	615-ST 10X8 SQUARE THROAT ELBOW		
6	EA	15818	615-ST 12X8 SQUARE THROAT ELBOW		
3	EA	15820	615-ST 14X8 SQUARE THROAT ELBOW		
3	EA	15822	615-ST 16X8 SQUARE THROAT ELBOW		
3	EA	15824	615-ST 18X8 SQUARE THROAT ELBOW		
3	EA	15826	615-ST 20X8 SQUARE THROAT ELBOW		
3	EA	15828	615-ST 22X8 SQUARE THROAT ELBOW		
3	EA	15830	615-ST 24X8 SQUARE THROAT ELBOW		
3	EA	15832	615-ST 26X8 SQUARE THROAT ELBOW		
3	EA	15833	615-ST 28X8 SQUARE THROAT ELBOW		
1	EA	15831	615-ST 30X8 SQUARE THROAT ELBOW		
6	EA	15817	615-ST 10X10 SQUARE THROAT ELBOW		
6	EA	15819	615-ST 12X10 SQUARE THROAT ELBOW		
6	EA	15821	615-ST 14X10 SQUARE THROAT ELBOW		
2	EA	15805	615-ST 16X10 SQUARE THROAT ELBOW		
2	EA	15806	615-ST 18X10 SQUARE THROAT ELBOW		
2	EA	15807	615-ST 20X10 SQUARE THROAT ELBOW		
2	EA	15808	615-ST 22X10 SQUARE THROAT ELBOW		
2	EA	15809	615-ST 24X10 SQUARE THROAT ELBOW		
3	EA	15810	615-ST 26X10 SQUARE THROAT ELBOW		
2	EA	15811	615-ST 28X10 SQUARE THROAT ELBOW		
1	EA	15834	615-ST 30X10 SQUARE THROAT ELBOW		



617 8, 10, and 12 Inch Trunkline End Caps



617 Trunkline End Caps, 8 Inch

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	12106	617 8X8 END CAP		
12	EA	12107	617 10X8 END CAP		
12	EA	12108	617 12X8 END CAP		
12	EA	12109	617 14X8 END CAP		
12	EA	12110	617 16X8 END CAP		
12	EA	12111	617 18X8 END CAP		
12	EA	12112	617 20X8 END CAP		
12	EA	12113	617 22X8 END CAP		
12	EA	12114	617 24X8 END CAP		
12	EA	12115	617 26X8 END CAP		
12	EA	12116	617 28X8 END CAP		
12	EA	12117	617 30X8 END CAP		

617 Trunkline End Caps, 10 Inch

12	EA	12094	617 2 1/4X10 END CAP		
12	EA	12101	617 3 1/4X10 END CAP		
4	EA	12080	617 10X10 END CAP		
4	EA	12081	617 12X10 END CAP		
4	EA	12082	617 14X10 END CAP		
12	EA	12083	617 16X10 END CAP		
12	EA	12084	617 18X10 END CAP		
12	EA	12085	617 20X10 END CAP		
12	EA	12086	617 22X10 END CAP		
12	EA	12087	617 24X10 END CAP		
12	EA	12088	617 26X10 END CAP		
12	EA	12089	617 28X10 END CAP		
6	EA	12091	617 30X10 END CAP		

617 Trunkline End Caps, 12 Inch

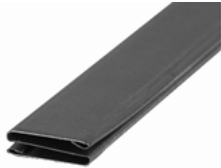
12	EA	12099	617 2 1/4X12 END CAP		
12	EA	12102	617 3 1/4X12 END CAP		
12	EA	12075	617 22X12 END CAP		
12	EA	12079	617 24X12 END CAP		
12	EA	12076	617 26X12 END CAP		
12	EA	12077	617 28X12 END CAP		
6	EA	12078	617 30X12 END CAP		

617 Trunkline End Caps, 14 Inch

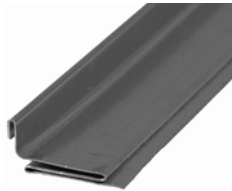
12	EA	12103	617 3 1/4X14 END CAP		
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S Hooks and Drive Cleats for Rectangular Duct



920 Flat S Hook



921 Standing S Cleat with 1/2" Flange



921-T Standing S Cleat with 1" Flange



922 Drive Cleats

Flat S Hooks

Priced per 100 Ft.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	FT	10657	920 5FT FLAT S HOOK		
100	FT	10658	920 10FT FLAT S HOOK		

5 and 10 Foot Standing S Cleats and Drive Cleat

Priced per 100 Ft.

50	FT	10660	921 5FT STANDING S CLEAT		
100	FT	10659	921 10FT STANDING S CLEAT		
100	FT	10652	921-T 10FT 22GA STANDING S CLEAT		
100	FT	10654	921-T 10FT 24GA STANDING S CLEAT		
100	FT	10656	921-T 10FT 26GA STANDING S CLEAT		
75	FT	10662	922 5FT DRIVE CLEAT		

Flat S Clips (Bundled)

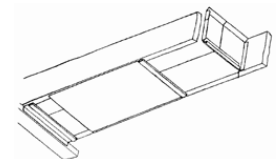
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	EA	10624	920 8IN GLV FLAT S CLIPS BNDL		
50	EA	10625	920 10 IN GLV FLAT S CLIPS BNDL		
50	EA	10626	920 12 IN GLV FLAT S CLIPS BNDL		
50	EA	10627	920 14 IN GLV FLAT S CLIPS BNDL		
50	EA	10628	920 16 IN GLV FLAT S CLIPS BNDL		
50	EA	10648	920 20 IN GLV FLAT S CLIPS BNDL		
50	EA	10631	920 24 IN GLV FLAT S CLIPS BNDL		

8 and 10 Inch Drive Cleats

100	EA	10661	922 8IN DRIVE CLEAT		
100	EA	10668	922 10IN DRIVE CLEAT		



Joist System For Return Air Applications

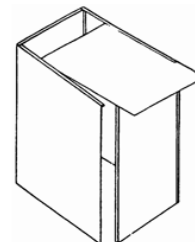


- Adjustable joist block compensates for width variation between joints.
- Completed system has neat, professional appearance.
- All galvanized steel construction.
- Simple and easy to install.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
16	LTH	10569	640 17X36 JOIST SEAL		
10	LTH	10573	640 33X36 JOIST SEAL		
24	EA	12119	639 JOIST STARTER STRIP		
12	EA	12120	641 JOIST BLOCK		



647 Plenum Top Panels



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
3	EA	12121	647 18 SQ TOP PANEL		
3	EA	12122	647 14 SQ TOP PANEL		
3	EA	12123	647 17 SQ TOP PANEL		
3	EA	12124	647 20 SQ TOP PANEL		
3	EA	12125	647 23 SQ TOP PANEL		
3	EA	12126	647 26 SQ TOP PANEL		
3	EA	12127	647 30 SQ TOP PANEL		
3	EA	12146	647 32 SQ TOP PANEL		



1195-C and 1195 Plenum Packages



Features

- Side panels are rigidized
- 3/4" wide flange for easy assembly
- Front or rear panel can be removed after installation for later A/C coil add-on
- Package includes: 4 side panels, 1 top panel, and 4 side clips
- Compact packaging stores easily in shop or truck

1195-C

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

1195

- Cut to fit at jobsite
- 36" or 48" tall

1195-C: Stock Sizes, No Cutting Required

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	PKG	16070	1195-C 13 1/2X 19 9/16X 24 GALV PLENUM PKG		
1	PKG	16071	1195-C 16 1/2X 19 9/16X 24 GALV PLENUM PKG		
1	PKG	16072	1195-C 20 X 19 9/16X 24 GALV PLENUM PKG		
1	PKG	16073	1195-C 23 1/2X 19 9/16X 24 GALV PLENUM PKG		
1	PKG	16074	1195-C 13 1/2X 19 9/16X 36 GALV PLENUM PKG		
1	PKG	16075	1195-C 16 1/2X 19 9/16X 36 GALV PLENUM PKG		
1	PKG	16076	1195-C 20 X 19 9/16X 36 GALV PLENUM PKG		
1	PKG	16077	1195-C 23 1/2 X 19 9/16X 36 GALV PLENUM PKG		
1	PKG	16078	1195-C 13 1/2 X 19 9/16X 48 GALV PLENUM PKG		
1	PKG	16079	1195-C 16 1/2 X 19 9/16X 48 GALV PLENUM PKG		
1	PKG	16080	1195-C 20 X 19 9/16X 48 GALV PLENUM PKG		
1	PKG	16081	1195-C 23 1/2 X 19 9/16X 48 GALV PLENUM PKG		

1195: Cut to Fit

1	PKG	16022	1195 16X16X36 GALV PLENUM PKG		
1	PKG	16023	1195 18X18X36 GALV PLENUM PKG		
1	PKG	16024	1195 20X20X36 GALV PLENUM PKG		
1	PKG	16026	1195 24X24X36 GALV PLENUM PKG		
1	PKG	16032	1195 16X16X48 GALV PLENUM PKG		
1	PKG	16033	1195 18X18X48 GALV PLENUM PKG		
1	PKG	16034	1195 20X20X48 GALV PLENUM PKG		
1	PKG	16036	1195 24X24X48 GALV PLENUM PKG		



270 Furnace Bases

- 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



270-MFB

270 Furnace Base, 1" Filter

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	11340	270 14 1/2X25X14 FURNACE BASE W/DOOR	
1	EA	11341	270 17 1/2X25X14 FURNACE BASE W/DOOR	
1	EA	11342	270 21X25X14 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	11349	270-MFB 21X25X20 FURNACE BASE W/DOOR	
1	EA	11350	270-MFB 24 1/2X25X20 FURNACE BASE W/DOOR	



270-AHA Air Handler Adapters

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



Furnace base not included.

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		



274 Return Air Filter Elbows



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
3	EA	11685	274 20X8 TO 20X14 RETURN AIR FILTER ELBOW		
1	EA	11688	274 20X10 TO 20X16 RETURN AIR FILTER ELBOW		
1	EA	11686	274 24X8 TO 24X14 RETURN AIR FILTER ELBOW		
1	EA	11689	274 25X10 TO 25X14 RETURN AIR FILTER ELBOW		



Cold Air Return Drops



275 Assembly Pkg.

20 x 10 starting collar.
48" section, 20 x 10 duct with S & drives.
20 x 10 to 20 x 14 filter elbow.

276 Assembly Pkg.

20 x 10 starting collar.
48" section, 20 x 10 duct with S & drives.
20 x 10 to 20 x 16 filter elbow (fully assembled).
Packaged 1 per carton.

277 and 277TF Assembly Pkg. with Tri-Filter Cabinet

Tri-Filter cabinet accommodates a 1", 2", and 4" filter or any combination of all three. The side snap-on door and extruded polyethylene filter glides make filter changing easy and trouble-free. (277TF Only)

25 x 10 starting collar.
48" section, 25 x 10 duct with S and drives.
25 x 10 to 25 x 16 filter elbow.

278 Assembly Pkg.

25 x 10 x 18 starting collar
48" section, 25 x 10 duct with S & drives
25 x 10 to 25 x 16 multi-filter elbow
2 support legs

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	11300	275-48 20X14 RA DROP	
1	PKG	11301	276-48 20X16 RA DROP	
1	PKG	11302	277-48 25X14 RA DROP	
1	PKG	11303	277-48 25X16 RA DROP	
1	EA	11306	277-TF 25X16 GLV TRI FILTER DROP	
1	EA	11307	278 25X16 GLV MULTI FILTER RA DROP	



Mitee Rap Return Air Panning

Mitee rap 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. Mitee rap 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.



- Vibration resistant
- Reduces heat loss due to conduction, convection, and radiation
- Installation is quick, safe, and easy

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	54701	MR16X48 16IN X 48IN RAP RETURN AIR PANNING		
25	EA	54703	MT19X48 19.5 X 48IN RAP RETURN AIR PANNING		
25	EA	54699	MR32X40 32IN X 40IN DOUBLE RAP RETRN AIR PANNING		

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		



2210 PVC Coated Sheets

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	23623	2210 48X96 26GA PVC SHEET		



2240 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	2240 36X96 24GA GALV SHEET			
83	EA	23644	2240 48X96 24GA GALV SHEET			
67	EA	23645	2240 48X120 24GA GALV SHEET			
135	EA	23652	2240 36X96 26GA GALV SHEET			
101	EA	23655	2240 48X96 26GA GALV SHEET			
163	EA	23665	2240 36X96 28GA GALV SHEET			
122	EA	23666	2240 48X96 28GA GALV SHEET			
196	EA	23673	2240 36X96 30GA GALV SHEET			



Trim Line Takeoffs



661 Rectangular Side Takeoff



663 Adjustable Rectangular Takeoff



665 Rectangular Top Takeoff

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	12183	661 6X7X6 T/L TAKEOFF		
20	EA	12188	663 6X7X6 T/L TAKEOFF		
20	EA	12194	665 6X7X6 T/L TAKEOFF		



ZIPP-R Takeoffs



666



691



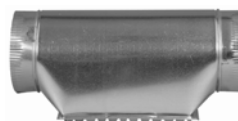
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693



695



695-2



699



699-HT

666 Top Takeoff

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	12178	666 6IN TOP TAKEOFF		

691 Side Takeoff

12	EA	12207	691 6X7X5 TAKEOFF		
12	EA	12210	691 6X9X7 TAKEOFF		
12	EA	12211	691 6X10X8 TAKEOFF		

692 Universal Takeoff

12	EA	12218	692 4X8X6 TAKEOFF		
12	EA	12224	692 6X8X8 TAKEOFF		

693 Adjustable Takeoff

12	EA	12235	693 6X7X5 TAKEOFF		
20	EA	12236	693 6X7X6 TAKEOFF		
12	EA	12239	693 6X9X7 TAKEOFF		
12	EA	12241	693 6X10X8 TAKEOFF		

695 Top Takeoff

12	EA	12253	695 6X7X5 TAKEOFF		
12	EA	12257	695 7X8X7 TAKEOFF		
12	EA	12260	695 7X9X8 TAKEOFF		

695-2 Double Top Takeoff

12	EA	12286	695-2 7X9X6 TAKEOFF		
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699 Round Adjustable Takeoff

12	EA	12297	699 5IN TAKEOFF		
20	EA	12298	699 6IN TAKEOFF		
12	EA	12299	699 7IN TAKEOFF		
12	EA	12300	699 8IN TAKEOFF		

699-HT Half Tab Takeoff

12	EA	12295	699-HT 6IN HALF TAB TAKEOFF		
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Sheet Metal Takeoffs



250-A



250-C



252



252-D



253-D

250-A Round Crimped Collar

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	11611	250A 4IN COLLAR		
24	EA	11612	250A 5IN COLLAR		
24	EA	11613	250A 6IN COLLAR		
24	EA	11614	250A 7IN COLLAR		
24	EA	11615	250A 8IN COLLAR		
24	EA	11616	250A 9IN COLLAR		
24	EA	11617	250A 10IN COLLAR		
12	EA	11618	250A 12IN COLLAR		
12	EA	11619	250A 14IN COLLAR		
12	EA	11620	250A 16IN COLLAR		
12	EA	11621	250A 18 IN COLLAR		

250-C Round Plain Collar

24	EA	11640	250C 3IN COLLAR		
24	EA	11641	250C 4IN COLLAR		
24	EA	11642	250C 5IN COLLAR		
24	EA	11643	250C 6IN COLLAR		
24	EA	11644	250C 7IN COLLAR		
24	EA	11645	250C 8IN COLLAR		
24	EA	11646	250C 9IN COLLAR		
24	EA	11647	250C 10IN COLLAR		
12	EA	11648	250C 12IN COLLAR		
12	EA	11649	250C 14IN COLLAR		
12	EA	11650	250C 16IN COLLAR		
12	EA	11651	250C 18 IN COLLAR		

252 Spin-in Collar

24	EA	21218	252 4IN SPIN-IN COLLAR		
24	EA	21219	252 5IN SPIN-IN COLLAR		
24	EA	21220	252 6IN SPIN-IN COLLAR		
24	EA	21221	252 7IN SPIN-IN COLLAR		
24	EA	21222	252 8IN SPIN-IN COLLAR		
12	EA	21224	252 10IN SPIN-IN COLLAR		
12	EA	21225	252 12IN SPIN-IN COLLAR		
3	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

24	EA	21234	252-D 4IN SPIN-IN W/DAMPER		
24	EA	21236	252-D 6IN SPIN-IN COLLAR W/DAMPER		
24	EA	21238	252-D 8IN SPIN-IN COLLAR W/DAMPER		
12	EA	21240	252-D 10IN SPIN-IN COLLAR W/DAMER		
12	EA	21241	252-D 12IN SPIN-IN COLLAR W/DAMPER		
3	EA	21242	252-D 14IN SPIN-IN COLLAR W/DAMPER		
3	EA	21243	252-D 16IN SPIN-IN W/DAMPER		

253-D Spin-in Collar

24	EA	21205	253-D 6IN SPIN-IN W/SCOOP&DAMPER		
24	EA	21207	253-D 8IN SPIN-IN W/SCOOP&DAMPER		
12	EA	21209	253-D 10IN SPIN-IN W/SCOOP&DAMPER		
12	EA	21210	253-D 12IN SPIN-IN W/SCOOP&DAMPER		



Sheet Metal Takeoffs



254



254-D



255



255-D



1149-CR



1149-CD

254 Galvanized Takeoffs

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	13590	254 4IN GLV AIRTIGHT TAKEOFF		
12	EA	13592	254 6IN GLV AIRTIGHT TAKEOFF		
12	EA	13593	254 7IN GLV AIRTIGHT TAKEOFF		
12	EA	13594	254 8IN GLV AIRTIGHT TAKEOFF		
12	EA	13596	254 10IN GLV AIRTIGHT TAKEOFF		
6	EA	13597	254 12IN GLV AIRTIGHT TAKEOFF		
6	EA	13598	254 14IN GLV AIRTIGHT TAKEOFF		
6	EA	13599	254 16IN GLV AIRTIGHT TAKEOFF		
6	EA	13600	254 18IN GLV AIRTIGHT TAKEOFF		

254-D Galvanized Takeoff with Damper

12	EA	13603	254-D 6IN GLV AIRTIGHT TAKEOFF W/DAMPER		
12	EA	13605	254-D 8IN GLV AIRTIGHT TAKEOFF W/DAMPER		
12	EA	13607	254-D 10IN GLV AIRTIGHT TAKEOFF W/DAMPER		
6	EA	13608	254-D 12IN GLV AIRTIGHT TAKEOFF W/DAMPER		

255-D Saddle Takeoff with Damper

12	EA	13621	255-D 6X8 GALV SADDLE AIRTIGHT TAKEOFF		
6	EA	13623	255-D 8X10 GALV SADDLE AIRTIGHT TAKEOFF		
4	EA	13625	255-D 10X12 GALV SADDLE AIRTIGHT TAKEOFF		

255 Saddle Takeoffs

12	EA	13612	255 6X8 GALV SADDLE AIRTIGHT TAKEOFF		
12	EA	13613	255 7X8 GALV SADDLE AIRTIGHT TAKEOFF		
6	EA	13614	255 8X10 GALV SADDLE AIRTIGHT TAKEOFF		
4	EA	13616	255 10X12 GALV SADDLE AIRTIGHT TAKEOFF		

1149-CR Starting Collar

12	EA	16601	1149-CR 4IN START COLLAR		
12	EA	16602	1149-CR 5IN START COLLAR		
24	EA	16603	1149-CR 6IN START COLLAR		
24	EA	16604	1149-CR 7IN START COLLAR		
24	EA	16605	1149-CR 8IN START COLLAR		
12	EA	16606	1149-CR 9IN START COLLAR		
12	EA	16607	1149-CR 10IN START COLLAR		
12	EA	16608	1149-CR 12IN START COLLAR		
6	EA	16609	1149-CR 14IN START COLLAR		
6	EA	16610	1149-CR 16IN START COLLAR		
6	EA	16611	1149-CR 18IN START COLLAR		

1149-CD Starting Collar with Damper

12	EA	16615	1149-CD 5IN START COLLAR W/DAMPER		
12	EA	16616	1149-CD 6IN START COLLAR W/DAMPER		
12	EA	16617	1149-CD 7IN START COLLAR W/DAMPER		
12	EA	16618	1149-CD 8IN START COLLAR W/DAMPER		
12	EA	16619	1149-CD 9IN START COLLAR W/DAMPER		
12	EA	16620	1149-CD 10IN START COLLAR W/DAMPER		
12	EA	16621	1149-CD 12IN START COLLAR W/DAMPER		
6	EA	16622	1149-CD 14IN START COLLAR W/DAMPER		
6	EA	16623	1149-CD 16IN START COLLAR W/DAMPER		
6	EA	16624	1149-CD 18IN START COLLAR W/DAMPER		
6	EA	16625	1149-CD 20IN START COLLAR W/DAMPER		



Duct Board Takeoffs



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		
12	EA	11712	450 10IN GLASS DUCT COLLAR		
12	EA	11713	450 12IN GLASS DUCT COLLAR		
3	EA	11714	450 14IN 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		

450-D Glass Duct Collar and Damper

24	EA	11716	450D 6IN GLASS DUCT COLLAR & DAMPER		
24	EA	11717	450D 7IN GLASS DUCT COLLAR & DAMPER		
24	EA	11718	450D 8IN GLASS DUCT COLLAR & DAMPER		
12	EA	11720	450D 10IN GLASS DUCT COLLAR & DAMPER		
12	EA	11721	450D 12IN GLASS DUCT COLLAR & DAMPER		

450-DS Duct Collar with Damper & Scoop

24	EA	11724	450DS 6IN DUCT COLLAR/DAMPER & SCOOP		
24	EA	11725	450DS 7IN DUCT COLLAR/DAMPER & SCOOP		
24	EA	11726	450DS 8IN DUCT COLLAR/DAMPER & SCOOP		
12	EA	11728	450DS 10IN DUCT COLLAR/DAMPER & SCOOP		

450-R Duct Collar with Ring

24	EA	11904	450-R 4IN GALV DB COLLAR W/RING		
24	EA	11905	450-R 5IN GALV DB COLLAR W/RING		
24	EA	11906	450-R 6 IN GALV DB COLLAR W/RING		
24	EA	11907	450-R 7IN GALV DB COLLAR W/RING		
24	EA	11908	450-R 8IN GALV DB COLLAR W/RING		
12	EA	11909	450-R 9IN GALV DB COLLAR W/RING		
12	EA	11910	450-R 10IN GALV DB COLLAR W/RING		
12	EA	11911	450-R 12IN GALV DB COLLAR W/RING		
3	EA	11912	450-R 14IN GALV DB COLLAR W/RING		
3	EA	11913	450-R 16IN GALV DB COLLAR W/RING		
3	EA	11914	450-R 18IN GALV DB COLLAR W/RING		

693-DB Glass Duct Takeoffs

12	EA	12243	693-DB 6X10X6 GLASS DUCT TAKE-OFF		
12	EA	12244	693-DB 6X9X7 GLASS DUCT TAKEOFF		
12	EA	12245	693-DB 7X10X8 GLASS DUCT TAKEOFF		

696-DB Duct Board Takeoffs

12	EA	12283	696-DB 4IN GLV DUCTBOARD TOP TAKEOFF		
12	EA	12285	696-DB 5IN GLV DUCTBOARD TOP TAKEOFF		
12	EA	12292	696-DB 6IN GLV DUCTBOARD TOP TAKEOFF		
12	EA	12294	696-DB 7IN GLV DUCTBOARD TOP TAKEOFF		
12	EA	12288	696-DB 8IN GLV DUCTBOARD TOP TAKEOFF		



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
24	EA	21274	460 6IN ZIP-IN TAKEOFF		
24	EA	21275	460 7IN ZIP-IN TAKEOFF		
24	EA	21276	460 8IN ZIP-IN TAKEOFF		
12	EA	21278	460 10IN ZIP-IN TAKEOFF		

460-D Zip-In Takeoff with Damper

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		

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		
24	EA	21300	461 8IN ZIP-IN TAKEOFF W/SCOOP		
12	EA	21302	461 10IN 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		
24	EA	21312	461-D 8IN ZIP-IN W/SCOOP & DAMPER		
12	EA	21314	461-D 10IN ZIP-IN W/SCOOP & DAMPER		



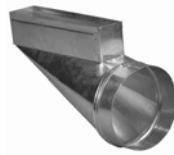
ZIPP-R Boots



902



902-CRD



903



903L



903R



904



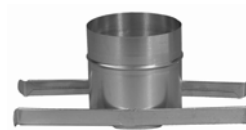
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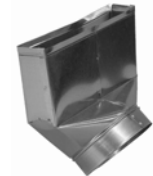
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913



914



917

902 Angle Boots

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	12709	902 2 1/4X10X4 ANGLE BOOT		
12	EA	12710	902 2 1/4X10X5 ANGLE BOOT		
12	EA	12711	902 2 1/4X10X6 ANGLE BOOT		
12	EA	12717	902 2 1/4X12X5 ANGLE BOOT		
12	EA	12719	902 2 1/4X12X6 ANGLE BOOT		
12	EA	12720	902 2 1/4X12X7 ANGLE BOOT		
12	EA	12727	902 2 1/4X14X6 ANGLE BOOT		
12	EA	12729	902 2 1/4X14X7 ANGLE BOOT		
12	EA	12735	902 4X10X4 ANGLE BOOT		
12	EA	12736	902 4X10X5 ANGLE BOOT		
12	EA	12738	902 4X10X6 ANGLE BOOT		
12	EA	12740	902 4X10X7 ANGLE BOOT		
12	EA	12741	902 4X12X5 ANGLE BOOT		
12	EA	12746	902 4X12X6 ANGLE BOOT		
12	EA	12748	902 4X12X7 ANGLE BOOT		
12	EA	12750	902 4X12X8 ANGLE BOOT		
12	EA	12756	902 4X14X6 ANGLE BOOT		
12	EA	12758	902 4X14X7 ANGLE BOOT		
12	EA	12759	902 4X14X8 ANGLE BOOT		
12	EA	12767	902 6X10X6 ANGLE BOOT		
12	EA	12766	902 6X10X8 ANGLE BOOT		
12	EA	12769	902 6X12X6 ANGLE BOOT		
12	EA	12770	902 6X12X7 ANGLE BOOT		
12	EA	12768	902 6X10X7 ANGLE BOOT		
12	EA	12771	902 6X12X8 ANGLE BOOT		
12	EA	12773	902 6X14X6 ANGLE BOOT W/3IN RISE		
12	EA	12774	902 6X14X7 ANGLE BOOT		
12	EA	12775	902 6X14X8 ANGLE BOOT		

902-CRD Ceiling Radiation Damper Boots

6	EA	14361	902-CRD 4X10X6 GALV ANGLE BOOT W/DAMPER		
6	EA	14362	902-CRD 4X10X7 GALV ANGLE BOOT W/DAMPER		
6	EA	14364	902-CRD 4X12X6 GALV ANGLE BOOT W/DAMPER		
6	EA	14368	902-CRD 6X10X6 GALV ANGLE BOOT W/DAMPER		
6	EA	14370	902-CRD 6X12X6 GALV ANGLE BOOT W/DAMPER		

Continued on the Following Page

903 End Boot, Center

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	12839	903 2 1/4X10X4 END BOOT		
12	EA	12841	903 2 1/4X10X6 END BOOT		
12	EA	12846	903 2 1/4X12X5 END BOOT		
12	EA	12847	903 2 1/4X12X6 END BOOT		
12	EA	12848	903 2 1/4X12X7 END BOOT		
12	EA	12857	903 2 1/4X14X6 END BOOT		
12	EA	12859	903 2 1/4X14X7 END BOOT		
12	EA	12865	903 4X10X4 END BOOT		
12	EA	12866	903 4X10X5 END BOOT		
12	EA	12867	903 4X10X6 END BOOT		
12	EA	12870	903 4X10X7 END BOOT		
12	EA	12876	903 4X12X6 END BOOT		
12	EA	12878	903 4X12X7 END BOOT		
12	EA	12879	903 4X12X8 END BOOT W/3IN RISE		
12	EA	12886	903 4X14X6 END BOOT		
12	EA	12888	903 4X14X7 END BOOT		
12	EA	12890	903 4X14X8 END BOOT		
12	EA	12893	903 6X10X6 END BOOT		
12	EA	12895	903 6X12X7 END BOOT		
12	EA	12896	903 6X14X8 END BOOT		

903L End Boot, Left Offset

12	EA	12787	903L 2 1/4X12X5 BOOT		
12	EA	12788	903L 2 1/4X12X6 BOOT		
12	EA	12797	903L 2 1/4X14X6 BOOT		
12	EA	12807	903L 4X10X6 BOOT		

903R End Boot, Right Offset

12	EA	12902	903R 2 1/4X10X6 BOOT		
12	EA	12908	903R 2 1/4X12X6 BOOT		
12	EA	12927	903R 4X10X6 BOOT		

903-CRD Ceiling Radiation Damper End Boot

6	EA	14381	903-CRD 4X10X6 GALV END BOOT W/DAMPER		
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904 Universal Boot

12	EA	12961	904 2 1/4X10X6 STRAIGHT BOOT		
12	EA	12967	904 2 1/4X12X5 STRAIGHT BOOT		
12	EA	12968	904 2 1/4X12X6 STRAIGHT BOOT		
12	EA	12969	904 2 1/4X12X7 STRAIGHT BOOT		
12	EA	12977	904 2 1/4X14X6 STRAIGHT BOOT		
12	EA	12979	904 2 1/4X14X7 STRAIGHT BOOT		
12	EA	12985	904 4X10X4 STRAIGHT ST BOOT		
12	EA	12986	904 4X10X5 STRAIGHT BOOT		
12	EA	12987	904 4X10X6 STRAIGHT BOOT		
12	EA	12988	904 4X10X7 STRAIGHT BOOT		
12	EA	13021	904 4X10X7 STRAIGHT BOOT W/3IN RISE		
12	EA	12996	904 4X12X6 STRAIGHT BOOT		
12	EA	12998	904 4X12X7 STRAIGHT BOOT		
12	EA	12999	904 4X12X8 STRAIGHT BOOT		
12	EA	13006	904 4X14X6 STRAIGHT BOOT		
12	EA	13008	904 4X14X7 STRAIGHT BOOT		
12	EA	13009	904 4X14X8 STRAIGHT BOOT		
12	EA	13012	904 6X10X6 STRAIGHT BOOT		
12	EA	13003	904 6X10X7 STRAIGHT BOOT		
12	EA	12991	904 6X10X8 STRAIGHT BOOT		
12	EA	13015	904 6X12X6 STRAIGHT BOOT		
12	EA	13016	904 6X12X7 STRAIGHT BOOT		
12	EA	13004	904 6X12X8 STRAIGHT BOOT		
12	EA	13017	904 6X14X6 STRAIGHT BOOT		
12	EA	13005	904 6X14X7 STRAIGHT BOOT		
12	EA	13018	904 6X14X8 STRAIGHT BOOT		
12	EA	12993	904 6X14X8 STRAIGHT BOOT 3IN RISE		
12	EA	13023	904 8X14X7 STRAIGHT BOOT		
12	EA	13002	904 8X14X8 STRAIGHT BOOT		

904-CRD Ceiling Radiation Damper Universal Boots

6	EA	14401	904-CRD 4X10X6 GALV UNIVERSAL BOOT W/DAMPER		
6	EA	14403	904-CRD 4X12X6 GALV UNIVERSAL BOOT W/DAMPER		

Continued on the Following Page

908 Basement Register Boot

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	13037	908 6X10X5 BOOT		
12	EA	13038	908 6X10X6 BOOT		
12	EA	13040	908 6X12X6 BOOT		

910 Quick Boots

12	EA	16729	910 4X10X5 QUICK BOOT STRAIGHT 24IN CTR		
12	EA	16700	910 4X10X6 QUICK BOOT 90DEG 16IN CTR		
12	EA	16730	910 4X10X6 QUICK BOOT STRAIGHT 16IN CTR		
12	EA	16701	910 4X10X6 QUICK BOOT 90DEG 24IN CTR		
12	EA	16731	910 4X10X6 QUICK BOOT STRAIGHT 24IN CTR		
12	EA	16704	910 4X12X6 QUICK BOOT 90DEG 16IN CTR		
12	EA	16734	910 4X12X6 QUICK BOOT STRAIGHT 16IN CTR		
12	EA	16736	910 4X12X7 QUICK BOOT STRAIGHT 16IN CTR		
12	EA	16708	910 6X10X6 QUICK BOOT 90DEG 16IN CTR		
12	EA	16738	910 6X10X6 QUICK BOOT STRAIGHT 16IN CTR		
12	EA	16709	910 6X10X6 QUICK BOOT 90DEG 24IN CTR		
12	EA	16739	910 6X10X6 QUICK BOOT STRAIGHT 24IN CTR		

913 Boot Rails

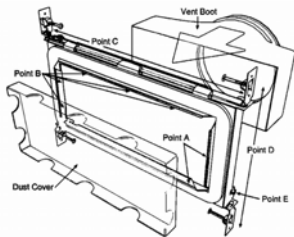
10	EA	13050	913 2 1/4X12 BOOT RAIL F/16IN STUD SPACE		
10	EA	13051	913 2 1/4X12 BOOT RAIL F/24IN STUD SPACE		
10	EA	13052	913 4X10 BOOT RAIL F/16IN STUD SPACE		
10	EA	13053	913 4X10 BOOT RAIL F/24IN STUD SPACE		
10	EA	13048	913 4X12 BOOT RAIL F/16IN STUD SPACE		
10	EA	13049	913 4X12 BOOT RAIL F/24IN STUD SPACE		
10	EA	13120	913 4X14 BOOT RAIL F/24IN STUD SPACE		
10	EA	13055	913 6X10 BOOT RAIL F/24IN STUD SPACE		
6	EA	13121	913 6X14 BOOT RAIL F/24IN STUD SPACE		

917 45° Angle Boot

12	EA	13060	917 2 1/4X12X6 BOOT		
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Adjustable Boot Hangers



Designed by HVAC experts, Speedi-Boot™ Boot Hanger is easy to install in two 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.

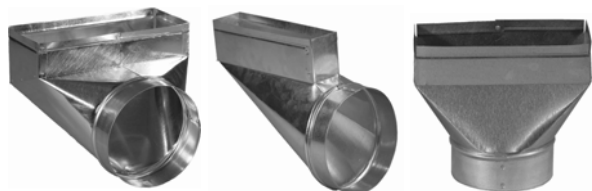
Telescoping arm extension capability allows for both 16" and 24" Joist/Truss span application. Precise installation in either parallel, transverse, horizontal or vertical positions. Reduced risk of injury from custom wood and metal framing.

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		



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	12704	902E 2 1/4X12X6 GLV ANGLE BOOT		
20	EA	12849	903E 2 1/4X12X6 GLV END BOOT		
20	EA	12963	904E 2 1/4X12X6 GLV UNIV BOOT		
20	EA	12705	902E 4X10X6 GLV ANGLE BOOT		
20	EA	12850	903E 4X10X6 GLV END BOOT		
20	EA	12964	904E 4X10X6 GLV UNIV BOOT		



Floor Pans



413

4132

413 6" Deep Floor Pan

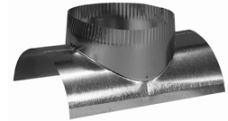
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	11776	413 6X12 FLR PAN		
12	EA	11777	413 6X14 FLR PAN		
12	EA	11778	413 8X10 FLR PAN		
12	EA	11779	413 8X12 FLR PAN		
12	EA	11782	413 10X12 FLR PAN		
12	EA	11783	413 12X14 FLR PAN		

4132 12" Deep Floor Pan

12	EA	11795	4132 4X10 FLR PAN		
12	EA	11802	4132 6X10 FLR PAN		
12	EA	11803	4132 6X12 FLR PAN		
12	EA	11804	4132 6X14 FLR PAN		
12	EA	11805	4132 8X10 FLR PAN		
12	EA	11806	4132 8X12 FLR PAN		
12	EA	11807	4132 9X12 FLR PAN		
12	EA	11808	4132 10X12 FLR PAN		
12	EA	11809	4132 12X14 FLR PAN		



155 90° Galvanized Stub Saddle



The quick way to make a side takeoff from round pipe. Cut the opening, then drill screw or pop rivet the stub saddle to the main round distribution pipe.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	16278	155-W 4IN STUB SADDLE		
12	EA	16279	155-W 5IN STUB SADDLE		
12	EA	16280	155-W 6IN STUB SADDLE		
12	EA	16281	155-W 7IN STUB SADDLE		
12	EA	16282	155-W 8IN STUB SADDLE		
12	EA	16283	155-W 10IN STUB SADDLE		



Wall Stack

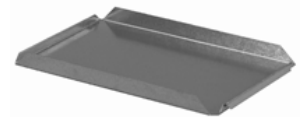


Made with the same care and exactness of other fine ZIPP-R products and featuring the famous ZIPP-R lock.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	10589	800-24 2 1/4X10 WALL STK		
12	EA	10590	800-24 2 1/4X12 WALL STK		
12	EA	10591	800-24 2 1/4X14 WALL STK		
12	EA	10592	800-24 3 1/4X10 WALL STK		
12	EA	10593	800-24 3 1/4X12 WALL STK		
12	EA	10594	800-24 3 1/4X14 WALL STK		
10	EA	10599	800-60 2 1/4X10 WALL STK		
10	EA	10602	800-60 3 1/4X10 WALL STK		
10	EA	10603	800-60 3 1/4X12 WALL STK		
10	EA	10604	800-60 3 1/4X14 WALL STK		
3	EA	10615	800-100 2 1/4X10 WALL STK		
3	EA	10616	800-100 2 1/4X12 WALL STK		
3	EA	10618	800-100 3 1/4X10 WALL STK		
3	EA	10619	800-100 3 1/4X12 WALL STK		
3	EA	10620	800-100 3 1/4X14 WALL STK		



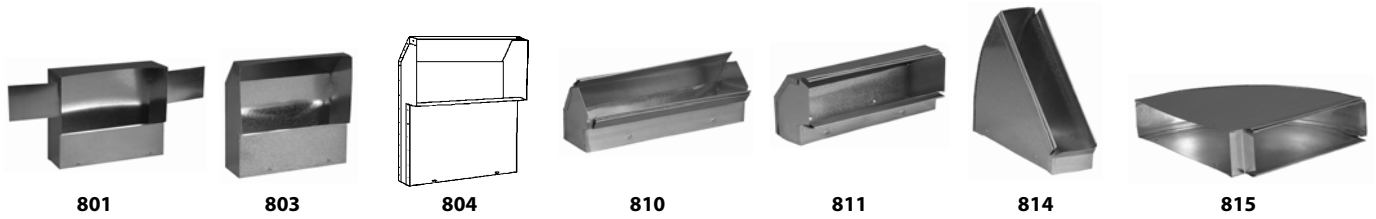
617 End Caps For Wall Stack



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	12094	617 2 1/4X10 END CAP		
12	EA	12099	617 2 1/4X12 END CAP		
12	EA	12101	617 3 1/4X10 END CAP		
12	EA	12102	617 3 1/4X12 END CAP		
12	EA	12103	617 3 1/4X14 END CAP		



Wall Stack Accessories



801 Stack Head

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
25	EA	12386	801 3 1/4X10 10X6 STK HD		
25	EA	12387	801 3 1/4X12 12X6 STK HD		

803 Sidewall Register Head, 4 In. Extension

12	EA	12404	803 3 1/4X10 10X6 STK HD		
12	EA	12407	803 3 1/4X12 12X6 STK HD		
12	EA	12410	803 3 1/4X14 14X6 STK HD		

804 Sidewall Register Head, 9 In. Extension

12	EA	12412	804 2 1/4X10 10X6 STK HD		
12	EA	12413	804 2 1/4X12 12X6 STK HD		
12	EA	12415	804 3 1/4X10 10X6 STK HD		
12	EA	12416	804 3 1/4X12 12X6 STK HD		
12	EA	12418	804 3 1/4X14 14X6 STK HD		

810 Vertical Wall Stack Angle

12	EA	12447	810 2 1/4X10 ANGLE		
12	EA	12448	810 2 1/4X12 ANGLE		
12	EA	12452	810 3 1/4X10 ANGLE		
12	EA	12453	810 3 1/4X12 ANGLE		
12	EA	12454	810 3 1/4X14 ANGLE		

811 Vertical Wall Stack Elbow

12	EA	12457	811 2 1/4X10 ELBOW		
12	EA	12458	811 2 1/4X12 ELBOW		
12	EA	12462	811 3 1/4X10 ELBOW		
12	EA	12463	811 3 1/4X12 ELBOW		
12	EA	12464	811 3 1/4X14 ELBOW		

814 Flat Wall Stack Angle

12	EA	12473	814 3 1/4X10 ANGLE		
12	EA	12474	814 3 1/4X12 ANGLE		

815 Flat Wall Stack Elbow

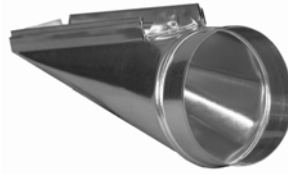
12	EA	12478	815 2 1/4X12 ELBOW		
12	EA	12484	815 3 1/4X10 ELBOW		
12	EA	12485	815 3 1/4X12 ELBOW		
12	EA	12486	815 3 1/4X14 ELBOW		



Wall Stack Accessories



829



838



840

829 Universal Boot

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	12509	829 3 1/4X10X4 BOOT		
12	EA	12510	829 3 1/4X10X5 BOOT		
12	EA	12511	829 3 1/4X10X6 BOOT		
12	EA	12512	829 3 1/4X10X7 BOOT		
12	EA	12516	829 3 1/4X12X6 BOOT		
12	EA	12517	829 3 1/4X12X7 BOOT		
12	EA	12522	829 3 1/4X14X8 BOOT		
12	EA	12524	829 3 1/4X12X8 BOOT		

838 End Boot

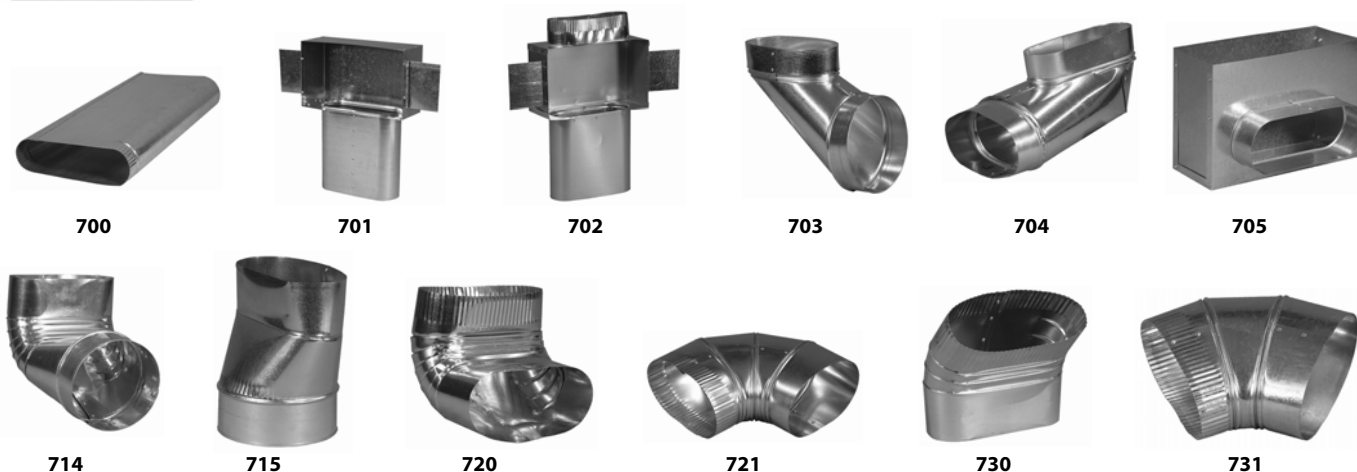
12	EA	12534	838 3 1/4X10X6 BOOT		
12	EA	12535	838 3 1/4X10X7 BOOT		
12	EA	12539	838 3 1/4X12X6 BOOT		
12	EA	12540	838 3 1/4X12X7 BOOT		
12	EA	12544	838 3 1/4X12X8 BOOT		
12	EA	12548	838 3 1/4X14X8 BOOT		

840 Angle Boot

12	EA	12563	840 3 1/4X10X5 BOOT		
12	EA	12560	840 3 1/4X10X6 BOOT		
12	EA	12561	840 3 1/4X12X6 BOOT		
12	EA	12565	840 3 1/4X10X7 BOOT		
12	EA	12571	840 3 1/4X12X7 BOOT		
12	EA	12572	840 3 1/4X12X8 BOOT		
12	EA	12577	840 3 1/4X14X8 BOOT		



Oval Pipe and Fittings



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
6 Oval (7-9/16 L x 3-1/4 W)	22.2
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

Atco-Gary No.	Acme No.	L & B	Excelsior
700-100	78	Button Snap Warm-air Oval	0100
701	95	Oval Std. Head Style B	090A
703	107		61A
704	103		
714	96	574	090A
715	102		61A
720	350	Vert. Oval Elbow	18
721	94	Oval Flat Elbow	29
730	357	Vert. Oval Angle	21
731	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	700-60 6 IN OVAL PIPE		
5	EA	13207	700-100 6 IN OVAL PIPE		
5	EA	13210	700-113 6 IN OVAL PIPE		
12	EA	13215	701 4X10X6 STK HD W/EARS		
12	EA	13216	701 6X10X6 STK HD W/EARS		
12	EA	13218	701 6X12X6 STK HD W/EARS		
12	EA	13193	702 6X10X6 DBL OVAL STK HEAD		
12	EA	13194	702 6X12X6 DBL OVAL STK HEAD		
12	EA	13249	703 6 RD X 6 OVAL END BOOT		
12	EA	13259	704 6 OVAL X 6 OVAL END BOOT		
12	EA	13254	705 4X10X6 OVAL 90DEG REGISTER BOX		
12	EA	13228	714 5 RD X 6 OV 90 BOOT PE		
12	EA	13229	714 6 RD X 6 OV 90 BOOT PE		
12	EA	13306	715 6 RD X 6 OVAL BOOT PE		
12	EA	13341	720 6IN 90 DEG VERTICAL ELBOW		
12	EA	13346	721 6IN OVAL 90 DEG FLAT ELBOW		
12	EA	13351	730 6IN 45 DEG VERTICAL ANGLE		
12	EA	13356	731 6 OVAL 45 DEG 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	700-60 7 IN OVAL PIPE		
5	EA	13208	700-100 7 IN OVAL PIPE		
5	EA	13211	700-113 7 IN OVAL PIPE		
12	EA	13220	701 6X10X7 STK HD W/EARS		
12	EA	13222	701 6X12X7 STK HD W/EARS		
12	EA	13195	702 6X12X7 GALV DBL OVAL STACKHEAD		
12	EA	13253	703 7 RD X 7 OVAL END BOOT		
12	EA	13232	714 6RD X7 OV 90 BOOT PE		
12	EA	13233	714 7 RD X 7 OV 90 BOOT PE		
12	EA	13311	715 7 OVAL X 7 RD STRAIGHT BOOT PE		
12	EA	13342	720 7IN 90 DEG VERTICAL ELBOW		
12	EA	13347	721 7IN OVAL 90 DEG FLAT ELBOW		
12	EA	13352	730 7IN 45 DEG VERTICAL ANGLE		
12	EA	13357	731 7IN 45 DEG FLAT OVAL ANGLE		

8 Inch Oval Pipe and Fittings

5	EA	13209	700-100 8IN OVAL PIPE		
12	EA	13223	701 6X12X8 STK HD W/EARS		
12	EA	13224	701 6X14X8 STK HD W/EARS		
12	EA	13244	703 8X8 RD TO OVAL END BOOT		
12	EA	13234	714 8 RD X 8 OV 90 BOOT		
12	EA	13314	715 8X8 RD TO OVAL BOOT		
12	EA	13343	720 8IN 90 DEG VERTICAL ELBOW		
12	EA	13348	721 8IN 90 DEG FLAT ELBOW		
12	EA	13353	730 8IN 45 DEG VERTICAL ANGLE		



Galvanized Spiral Pipe and Fittings

940, 943, 946, 947, 948, and 950



940



943



946



947



948



950

- For low/medium pressure applications.
- Meets SMACNA gauge standards.
- Sizes available to 36 inches.
- Standard SMACNA sizes supplied. Consult your G.W. Berkheimer representative for other gauges.
- Important! Special cutting charge and setup charge applies for pipe in gauges or lengths other than standard.

940 Spiral Standard 10 Ft. Long

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	FT	17084	940 6IN GLV 10FT SPIRAL PIPE	
10	FT	17086	940 8IN GLV 10FT SPIRAL PIPE	
10	FT	17088	940 10IN GLV 10FT SPIRAL PIPE	
10	FT	17089	940 12IN GLV 10FT SPIRAL PIPE	
10	FT	17090	940 14IN GLV 10FT SPIRAL PIPE	
10	FT	17070	940 16IN GLV 10FT SPIRAL PIPE	
10	FT	17071	940 18IN GLV 10FT SPIRAL PIPE	

943 Spiral Pipe Connectors

12	EA	13503	943 6IN GLV SPIRAL PIPE CONN	
12	EA	13505	943 8IN GLV SPIRAL PIPE CONN	
12	EA	13507	943 10IN GLV SPIRAL PIPE CONN	
12	EA	13508	943 12IN GLV SPIRAL PIPE CONN	
12	EA	13509	943 14IN GLV SPIRAL PIPE CONN	
12	EA	13510	943 16IN GLV SPIRAL PIPE CONN	
12	EA	13511	943 18IN GLV SPIRAL PIPE CONN	

946 90 Degree Spiral Elbow

12	EA	13403	946 6IN GLV SPIRAL ELBOW	
12	EA	13405	946 8IN GLV SPIRAL ELBOW	
12	EA	13407	946 10IN GLV SPIRAL ELBOW	
8	EA	13408	946 12IN GLV SPIRAL ELBOW	
1	EA	13409	946 14IN GLV SPIRAL ELBOW	
1	EA	13410	946 16IN GLV SPIRAL ELBOW	
1	EA	13411	946 18IN GLV SPIRAL ELBOW	

947 45 Degree Angle for Spiral

24	EA	13524	947 6IN GLV SPIRAL ANGLE	
24	EA	13526	947 8IN GLV SPIRAL ANGLE	
24	EA	13528	947 10IN GLV SPIRAL ANGLE	
12	EA	13529	947 12IN GLV SPIRAL ANGLE	
1	EA	13530	947 14IN GLV SPIRAL ANGLE	
1	EA	13531	947 16IN GLV SPIRAL ANGLE	
1	EA	13532	947 18IN GLV SPIRAL ANGLE	

948 Spiral Regular Saddle

12	EA	13901	948 4X12 GLV SPIRAL REG SADDLE	
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950 Tee Smoothflow

12	EA	13782	950 6X6X6 GLV SPIRAL TEE JOINT	
12	EA	13784	950 8X8X8 GLV SPIRAL TEE JOINT	
6	EA	13786	950 10X10X10 GLV SPIRAL TEE JT	
6	EA	13787	950 12X12X12 GLV SPIRAL TEE JT	
3	EA	13788	950 14X14X14 GLV SPIRAL TEE JT	
1	EA	13789	950 16X16X16 GLV SPIRAL TEE JT	



Galvanized Spiral Fittings

951, 953, 960, 976, 977, 980, and 981

- 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



960



976



977



980



981

951 45 Degree Tee

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	13860	951 6X6X6 GLV SPIRAL 45DEG TEE	
12	EA	13862	951 8X8X8 GLV SPIRAL 45DEG TEE	
6	EA	13865	951 12X12X12 GLV SPIRAL 45DG TEE	

953 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	

960 End Caps

12	EA	13545	960 6IN GLV SPIRAL CAP	
12	EA	13547	960 8IN GLV SPIRAL CAP	
12	EA	13549	960 10IN GLV SPIRAL CAP	
12	EA	13550	960 12IN GLV SPIRAL CAP	
12	EA	13551	960 14IN GLV SPIRAL CAP	
12	EA	13552	960 16IN GLV SPIRAL CAP	
1	EA	13553	960 18IN GLV SPIRAL CAP	

976-L Long Sweep Elbows

12	EA	14716	976-L 6IN 26GA SPIRAL LOCK LONG SWEEP ELBOW	
12	EA	14718	976-L 8IN 26GA SPIRAL LOCK LONG SWEEP ELBOW	
12	EA	14720	976-L 10IN 26GA SPIRAL LOCK LONG SWEEP ELBOW	
8	EA	14721	976-L 12IN 26GA SPIRAL LOCK LONG SWEEP ELBOW	
1	EA	14722	976-L 14IN 26GA SPIRAL LOCK LONG SWEEP ELBOW	
1	EA	14723	976-L 16IN 26GA SPIRAL LOCK LONG SWEEP ELBOW	
1	EA	14724	976-L 18IN 26GA SPIRAL LOCK LONG SWEEP ELBOW	

977-L Long Sweep Angles

24	EA	14736	977-L 6IN 26GA SPIRAL LOCK LONG SWEEP ANGLE	
24	EA	14738	977-L 8IN 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	

980 Standard Reducer

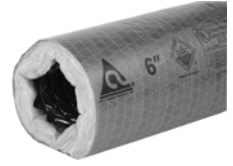
12	EA	13718	980 8X6 GLV SPIRAL STD REDUCER	
12	EA	13725	980 10X8 GLV SPIRAL STD REDUCER	
12	EA	13728	980 12X10 GLV SPIRAL STD REDUCER	
12	EA	13732	980 14X12 GLV SPIRAL STD REDUCER	
12	EA	13736	980 16X14 GLV SPIRAL STD REDUCER	
1	EA	13740	980 18X16 GLV SPIRAL STD REDUCER	

981 Tapered Reducer

12	EA	13662	981 8X6 GLV SPIRAL TAPER REDUCER	
12	EA	13669	981 10X8 GLV SPIRAL TAPER REDUCER	
12	EA	13674	981 12X10 GLV SPIRAL TAPER REDUCER	
12	EA	13677	981 14X12 GLV SPIRAL TAPER REDUCER	
12	EA	13657	981 16X14 GLV SPIRAL TAPER REDUCER	
1	EA	13680	981 18X16 GLV SPIRAL TAPER REDUCER	



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

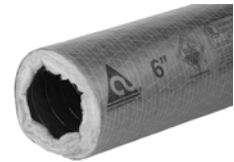
- Maximum velocity: 5000 FPM
- Maximum positive pressure: 10" W.C.
- Maximum negative pressure: 1/2" W.C.
- Operating temperature: 0° to +200° F
- Minimum bend radius equal to diameter
- Listed and labeled with Underwriters Lab
- Tested in accordance with U.L. 181 Class 1 standards for air ducts
- Meets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

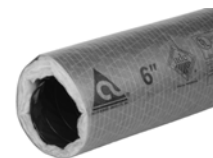
- Maximum velocity: 5000 FPM
- Maximum positive pressure: 10" W.C.
- Maximum negative pressure: 1/2" W.C.
- Operating temperature: 0° to +200° F
- Minimum bend radius equal to diameter
- Listed and labeled with Underwriters Lab
- Tested in accordance with U.L. 181 Class 1 standards for air ducts
- Meets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



434 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
160	FT	44420	434 3IN-8FT TYPE A ALUM FLEX DUCT			
96	FT	44421	434 4IN-8FT TYPE A ALUM FLEX DUCT			
72	FT	44422	434 5IN-8FT TYPE A ALUM FLEX DUCT			
32	FT	44423	434 6IN-8FT TYPE A ALUM FLEX DUCT			
64	FT	44424	434 7IN-8FT TYPE A ALUM FLEX DUCT			
32	FT	44425	434 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 Flex Duct Cutter

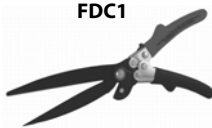
The double edged knife blade cleanly pierces through the outer skin, insulation, and liner of flexible round duct. The blade cuts both directions, from any angle. The duct's exposed wire rib coil can then be cut with the wire jaws.



FDC1

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.



FDC2

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.



Priced Per CFT

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
100	FT	15852	1200 1 1/4IN X 10FT GALV HANGER STRAP BNDL	



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		



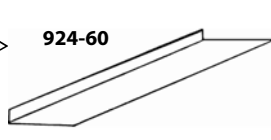
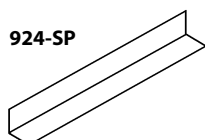
924-SP and 924-60 Stud Frame Angles

924-SP

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.

924-60

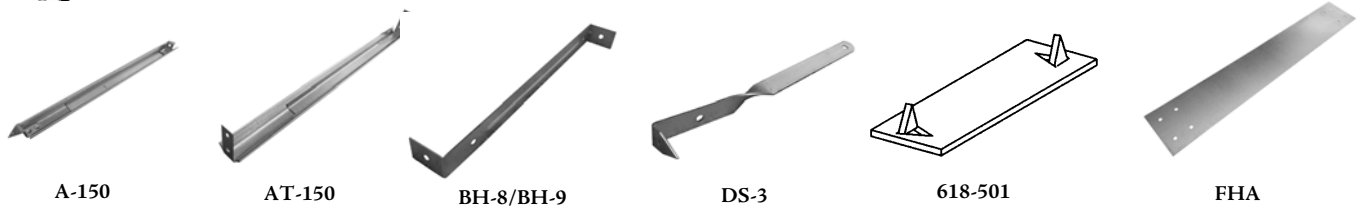
60 in. long x 1-3/4 in. wide with a 3/8 in. 90 degree flange on one side.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	10684	924-SP 2X2X96 GALVANIZED ANGLE		
10	EA	10687	924-60 3/8X1 3/4 24GA STUD FRAME ANGLE		



Basset Brackets



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 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 ZIPP-R 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
10	FT	25891	441-B 6INX10FT BELL-END SOLID PVC	
10	FT	25892	441-B 8INX10FT BELL-END SOLID PVC	
10	FT	25893	441-B 10INX10FT BELL-END SOLID PVC	
10	FT	25894	441-B 12INX10FT BELL-END SOLID PVC	

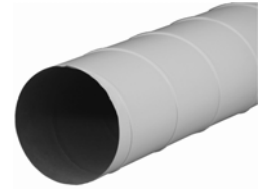
PVC Tape and Paint

24	EA	23598	2220 PVC WHITE PRESS SENS TAPE	
12	EA	23601	2230 ZIPP-R WHITE PLAS PAINT	



540 PVC Duct

Corrosion Resistant, Lightweight, and Strong

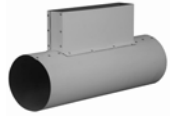


- Gauge of PVC**
- 3" to 8": 26 GA
 - 9" to 14": 24 GA
 - 16" to 22": 22 GA
 - 24" to 28": 20 GA
 - 30" to 36": 18 GA

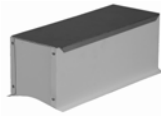
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	FT	23572	540 4IN 10FT PVC DUCT	
10	FT	23573	540 5IN 10FT PVC DUCT	
10	FT	23574	540 6IN 10FT PVC DUCT	
10	FT	23575	540 7IN 10FT PVC DUCT	
10	FT	23576	540 8IN 10FT PVC DUCT	
10	FT	23578	540 10IN 10FT PVC DUCT	
10	FT	23579	540 12IN 10FT PVC DUCT	
10	FT	23580	540 14IN 10FT PVC DUCT	
10	FT	23581	540 16IN 10FT PVC DUCT	
10	FT	23582	540 18IN 10FT PVC DUCT	
10	FT	23586	540 26IN 10FT PVC DUCT	



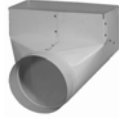
PVC Accessories



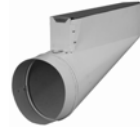
500 Register



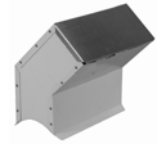
501 Register



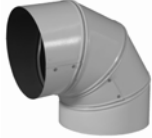
502 90°



503 End Boot



505 45°



520 90° Elbow



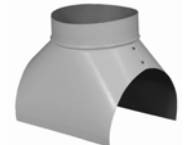
529 Starting



530 45° Angle



545 Y Branch



599 Collar

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	
12	EA	23503	500 4X14 ON 10 PVC TEE	
6	EA	23505	500 4X14 ON 14 PVC TEE	
12	EA	23608	500 4X12X14 PVC REGISTER TEE CTN	

501 Register Saddles

12	EA	23517	501 2 1/4X12 PVC SADDLE	
12	EA	23514	501 2 1/4X14 PVC SADDLE	
12	EA	23521	501 4X10 PVC SADDLE	
12	EA	23522	501 4 X 12 PVC SADDLE	

502 90 Degree Register Boot

12	EA	23530	502 2 1/4X12X6 PVC BOOT	
12	EA	23531	502 2 1/4X14X6 PVC REGISTER 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	23564	503 4X12X6 PVC BOOT	
12	EA	23562	503 4X12X8 PVC BOOT	

505 45 Degree Register Saddle

12	EA	23633	505 4X12 PVC OFFSET SADDLE	
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Continued from the Previous Page

520 Elbows

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	23222	520 5IN PVC ELBOW	
12	EA	23223	520 6IN PVC ELBOW	
12	EA	23224	520 7IN PVC ELBOW	
12	EA	23225	520 8IN PVC ELBOW	
12	EA	23226	520 9IN PVC ELBOW	
12	EA	23227	520 10IN PVC ELBOW	
8	EA	23228	520 12IN PVC ELBOW	
1	EA	23229	520 14IN PVC ELBOW	
1	EA	23230	520 16IN PVC ELBOW	
1	EA	23232	520 20IN 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	
12	EA	23402	529 12IN PVC STARTING COLLAR	

530 Angles

24	EA	23246	530 4IN PVC ANGLE	
24	EA	23248	530 6IN PVC ANGLE	
24	EA	23249	530 7IN PVC ANGLE	
24	EA	23250	530 8IN PVC ANGLE	
24	EA	23251	530 9IN PVC ANGLE	
24	EA	23252	530 10IN PVC ANGLE	
12	EA	23253	530 12IN 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	23467	599 6X10IN PVC COLLAR SADDLE	
12	EA	23468	599 6X12IN PVC COLLAR SADDLE	
12	EA	23469	599 6X14IN PVC COLLAR SADDLE	
12	EA	23475	599 8X10IN PVC COLLAR SADDLE	
12	EA	23476	599 8X12IN PVC 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

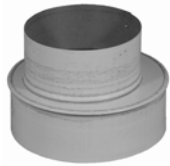
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	23275	550 6X6X6 PVC TEE	
12	EA	23282	550 8X8X8 PVC TEE	
6	EA	23287	550 9X9X9 PVC TEE	
6	EA	23288	550 10X10X10 PVC TEE	
6	EA	23292	550 12X12X12 PVC TEE	
1	EA	23299	550 16X16X16 PVC TEE	
1	EA	23300	550 18X18X18 PVC TEE	
1	EA	23301	550 20X20X20 PVC TEE	
1	EA	23306	550 36X36X36 PVC TEE	

551 45° Tee

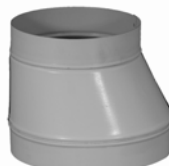
12	EA	23313	551 8X6X6 PVC TEE	
12	EA	23314	551 8X8X6 PVC TEE	
6	EA	23318	551 10IN PVC TEE	
6	EA	25359	551 10X8X8 PVC TEE	
3	EA	23321	551 12IN PVC TEE	
3	EA	23323	551 14IN PVC TEE	
1	EA	23325	551 16IN PVC TEE	



PVC Reducers and Connectors



580



581



533

580 Reducer

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

581 Tapered Reducer

12	EA	23413	581 8X6 PVC TAPERED REDUCER	
12	EA	23416	581 10X8 PVC TAPERED REDUCER	
12	EA	23425	581 12X8 PVC TAPERED REDUCER	
12	EA	23427	581 12 X 10 TAPERED REDUCER	

533 Connectors

12	EA	23441	533 5IN PVC CONN	
12	EA	23442	533 6IN PVC CONN	
12	EA	23444	533 8IN PVC CONN	
12	EA	23445	533 9IN PVC CONN	
12	EA	23446	533 10IN PVC CONN	
12	EA	23447	533 12IN PVC CONN	
12	EA	23448	533 14IN PVC CONN	
12	EA	23449	533 16IN PVC CONN	
12	EA	23450	533 18IN PVC CONN	
12	EA	23451	533 20IN PVC CONN	
1	EA	23452	533 22IN PVC CONN	
1	EA	23453	533 24IN PVC CONN	



560 PVC End Cap



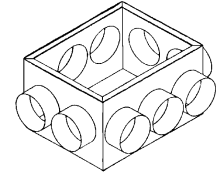
560 PVC End Caps fit tight to provide a positive seal. To meet F.H.A. approvals, hardcast is required at all joints.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	23346	560 6IN PVC END CAP	
12	EA	23347	560 7IN PVC END CAP	
12	EA	23348	560 8IN PVC END CAP	
12	EA	23350	560 10IN PVC END CAP	
12	EA	23351	560 12IN PVC END CAP	
12	EA	23352	560 14IN PVC END CAP	
1	EA	23354	560 18IN PVC END CAP	



PVC Furnace Plenums

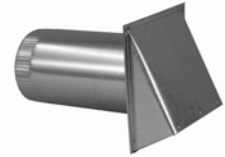
22 gauge, 4 mil. outside, 1 mil. inside, polyvinyl coated. Meets F.H.A. and B.O.C.A. requirements for underground applications.



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	



1097 Fresh Air Intake



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	13172	1097 6IN AIR INTAKE		
12	EA	13174	1097 8IN AIR INTAKE		



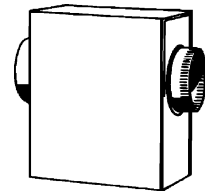
190 Vertical Draft Diverter



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	13268	190 4IN VERT DIVERTER		
6	EA	13269	190 5IN VERT DIVERTER		
6	EA	13270	190 6IN VERT DIVERTER		
4	EA	13271	190 7IN VERT DIVERTER		
4	EA	13272	190 8IN VERT DIVERTER		
1	EA	13274	190 10IN VERT DIVERTER		



191 Horizontal Draft Diverter



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	13287	191 3IN HORIZ DIVERTER		
6	EA	13288	191 4IN HORIZ DIVERTER		

Group 2 Air Movement, Ventilation, and Motors

Group 2 Air Movement, Ventilation, and Motors

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Dryer Ventilation.....	2 - 9
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BROAN Bathroom Ventilators

Fan Only



670



676

670 and 671 Deluxe Fans—Ceiling or Wall Installation

Housing: 8 x 8-1/4". Includes 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.

- 670: 50 CFM, 3.5 sones.
- 671: 70 CFM, 6.0 sones.

688 Economy Fans—Ceiling or Wall Installation

Molded plastic impellers, two-pole motors, 8" x 8-1/4" x 3-3/4" housing. New snap-in plastic grille. Damper/duct connector fits 3" round duct. U.L. listed for use over bathtubs and showers when connected to GFCI protected branch circuit.

- 688: 50 CFM, 4.0 sones.

676 and 684—Ceiling Installation

Centrifugal blower wheel, 4-pole 1500 RPM motor for high performance at low sound level. Quiet plastic damper. Handsome 11-1/8" x 10-5/8 plastic grille. 8" x 8-1/4" x 5-3/4" high housing. Damper/duct connector fits 4" duct. U. L. listed of ruse over bathtubs and showers when connected to CFCI protected branch circuit.

- 676: 110 CFM, 4.0 sones.
- 684: 80 CFM, 2.5 sones.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64005	671 70 CFM 6.0 SONES BROAN FAN	
1	EA	64027	676 110 CFM 4.0 SONES BROAN FAN	
1	EA	64028	684 80 CFM 2.5 SONES BROAN FAN	
1	EA	64029	688 50 CFM 4.0 SONES BROAN FAN	
1	EA	64031	670 50 CFM 3.5 SONES BROAN FAN	

BROAN Bathroom Ventilators

Fan with Light



Compact units provide ventilator and 100 watt light capacity in one unit (bulb not included).

- Damper/duct connector for 4" round duct included.
- U.L listed for use over bathtubs and showers when connected to a GFCI protected branch connection.

- 11-1/8" x 10-5/8" molded plastic grille and shatter-resistant lens.
- 8" x 8-1/4" x 5-3/4" high housing.
- 678: 50 cfm, 2.5 sones.
- 679: 70 cfm, 3.5 sones

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64026	678 50 CFM 2.5 SONES BROAN FAN/LIGHT	
1	EA	64030	679 70 CFM 3.5 SONES BROAN FAN/LIGHT	

BROAN InVent™ Bathroom Ventilators



A80L

- 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



AE80BL



A110

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64038	A80 80 CFM 2.0 SONES BROAN FAN	
1	EA	64039	A110 110 CFM 3.0 SONES BROAN FAN	
1	EA	64040	A70L 70 CFM 2.0 SONES BROAN FAN/LIGHT	
1	EA	64041	A80L 80 CFM 1.0 SONES BROAN FAN/LIGHT	
1	EA	64045	A110L 110 CFM 1.3 SONES BROAN FAN/LIGHT	
1	EA	64051	AE80BL 80 CFM 1.0 SONES BROAN FAN/ LED LIGHT	

BROAN® QTR Bathroom Fans



- Extremely quiet operation.
- Designed for easy installation.
- Motor engineered for continuous operation.
- UL listed for use over tub/shower with GFCI circuit.
- Duct Connector: 4"
- Housing: 11-1/4" x 10-3/8" x 7-5/8"
Fits: 2" x 8" construction.
- Grille Dimensions: Fan: 13" x 14".

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64022	QTR 080 1.0 SONE 80 CFM BROAN FAN	
1	EA	64023	QTR 110 1.5 SONE 110 CFM BROAN FAN	
1	EA	64282	QTRE 080 0.8 SONE 80 CFM BROAN FAN	
1	EA	64283	QTRE 110 1.2 SONE 110 CFM BROAN FAN	

BROAN® QTXE Bathroom Fans and Fan/Lights



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"



Fan with Light

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64008	QTXE 080 .4 SONE 80 CFM BROAN FAN	
1	EA	64009	QTXE 080FLT .4 SONE 80 CFM BROAN FAN/LIGHT	
1	EA	64016	QTXE 110 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. Attractive 16-3/4" x 10-5/8" molded plastic grille and shatter-resistant lens.

Built-in damper/duct connector fits 4" round duct. 14-1/4" x 8-1/4" x 5-3/4" high housing. U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit.

- 70 CFM
- 4.0 sones

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, L150, L200, and L300 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/Lights

Fast, Easy, Universal Installation



Fans



Fan/Lights

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
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

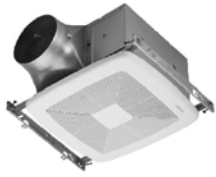
Single-Speed Fans

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 Fan/Lights

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

BROAN Ultra™ Series Fans and Fan/Lights



Fans



Fan/Lights

- 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.

Model No.	Duct Size (In.)	CFM	Constant CFM Range	Sones	Light/Night Light	Housing Dimensions W x L x H (In.)	Grille Dimensions L x W (In.)	Amps
XB80	6	80	—	<0.3	—	11-3/8 x 10-1/2 x 7-5/8	13 x 14	0.1
XB110	6	110	—		—		13 x 14	0.2
XB80L	6	80	—		2-18W GU24/4W		13 x 13-3/4	0.7
XB110L	6	110	—		2-18W GU24/4W		13 x 13-3/4	0.9
ZB80(M)	6	80	30-80		—		13 x 14	0.1
ZB110 (M)	6	110	30-110		—		13 x 14	0.2
ZB80(M)L	6	80	30-80		2-18W GU24/4W		13 x 13-3/4	0.8
ZB110(M)L	6	110	30-110		2-18W GU24/4W		13 x 13-3/4	0.9

Single-Speed Fans

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64216	XB80 80 CFM ULTRA BROAN FAN	
1	EA	64217	XB110 110 CFM ULTRA BROAN FAN	
1	EA	64218	XB80L 80 CFM ULTRA BROAN FAN W/LIGHT	
1	EA	64219	XB110L 110 CFM ULTRA BROAN FAN W/LIGHT	

Multi-Speed Fans

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

Multi-Speed Fans with Motion Sensor

1	EA	64224	ZB80M 30/80 CFM MULTISPEED ULTRA FAN W/MOTION SENSOR	
1	EA	64225	ZB80ML 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, 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".

MD6TU Automatic Make-up Damper

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

472 Reducer and Damper

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

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

- Three 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 6" 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	1	EA	64049	BD6 BROAN PRESSURE RELIEF DAMPER	
471 Fan	1	EA	64004	472 BROAN REDUCER & DAMPER	
Any Broan Range Hood	1	EA	64020	MD6TU 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	64006	57W BROAN SOLID STATE CONTROL	
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BROAN Ceiling Fans



502

Model 502

270 CFM, 7.0 sones, 10" fan. Polymer grille 13-1/2" sq. can be painted. Steel housing 13-7/8" x 16-3/4" x 3-1/4"; installs easily between ceiling joists or wall studs. Built-in damper. Fits 3-1/4" x 10" duct. Mounting brackets with keyhole slots adjustable to 24" span. Side discharge.



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	64015	502 270 CFM 8.0 SONES SIDE DISCHARGE BROAN FAN	
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 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.



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.

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	



3840 Undereave Bath Fan Vent



The 3840 with screen is used as an undereave outlet for venting bath fans to the outside in housing applications. It increases efficiency in all heating and air conditioning applications. This vent features 360° rotation, easy installation and long term durability.

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

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
- ABS plastic impeller blades

Models 150, 200, and 250

Single-phase induction asynchronous motor, with permanent capacitor and external rotor constructed of die cast aluminum. Includes two direct speed connections and are suitable for voltage speed control.

- Class I electrical insulation
- IP 44 protection
- Thermal Overload Protection
- **Models 150 and 200** have ABS plastic impeller blades
- **Models 250 and 315** have metal impeller blades

Model	Nom. RPM	Volts	Max. Watts	Speed	0*	.125*	.25*	.375*	.5*	.75*	1.0*	Max. SP	Duct Dia. (In.)
TD 100	2431	120	23	LS	97	81	51	—	—	—	—	.4	4
	2516	120	26	HS	101	85	57	—	—	—	—	.4	4
TD 150	1709	120	54	LS	218	193	163	128	105	24	—	.8	6
	2289	120	65	HS	293	273	250	227	206	131	35	1.15	6
TD 200	2322	120	139	LS	476	422	373	317	260	40	—	1.38	8
	2781	120	184	HS	538	495	458	418	367	190	10	1.625	8
TD-250	2400	115	162	LS	541	475	418	355	295	218	170	2.03	10
	3200	115	241	HS	754	715	680	640	606	520	405	2.53	10
TD-315	2000	115	208	LS	751	670	845	420	285	190	130	1.62	12.4
	2500	115	335	HS	1050	990	932	850	770	600	420	2.95	12.4

*CFM v Static Pressure (SP) WG (In.)

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	



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.							Max. SP	Max Operating Temp. (° F)	Weight (Lbs)
						0"	0.125"	0.25"	0.375"	0.5"	0.75"	1.0"			
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	



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	



Clothes Dryer Exhaust Booster Kit

- In-line centrifugal duct fan
- Totally enclosed motor
- 5-year limited warranty

Kit Includes

- PV-100x duct boosting fan (142 CFM)
- Fan mounting bracket
- Integrated air pressure sensing switch with electronic cycle timing board



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26642	PV-100XPS PV-100X DRYER BOOSTER W/PRESS SWITCH	

Accessories



BOC-100



PG Series



CAR Series



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	26645	EPBT-60 ELECTRONIC PUSH BUTTON TIMER	
1	EA	26641	SPT-100X PRESSURE SWITCH	



Dryer Vent Products



VC4



VF



VU4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
27	EA	13640	1080 VF-405 4X5 WHITE VINYL DUCTING		
50	EA	13651	1080 VC3 3IN FLEX HOSE CLAMP		
24	EA	13643	1080 PH-24 4IN WIDE PLASTIC VENT HOOD		
100	EA	13652	1080 VC4 4IN FLEX HOSE CLAMP		
1	EA	13642	1080 VF-350 3X50 WHITE VINYL DUCTING		
1	EA	13650	1080 VF-450 4X50 WHITE VINYL DUCTING		
1	EA	13649	1080 VF-420 4X20 WHITE VINYL DUCTING		
12	EA	13648	1080 VU4-24 4IN ALUM VENT HOOD BULK		



DBX1000 Plastic Dryer Vent Box



- Made of high impact polystyrene.
- Snap on trim ring helps eliminate extra drywall, caulking and paint repairs.
- Each box has knockouts for direct venting, down venting, and up venting.
- Comes with knockouts for gas pipe on top and bottom of the box.
- Box can be rotated to accommodate any type of venting.
- White
- Can also be used behind gas stoves to recess the gas hose connection.
- Comes with two straps to help attach the box to both studs.
- You must use a metal dryer box (see DB1000M) in multi-family construction over 3 stories; the DBX1000 plastic dryer vent box can be used in single family and multi-family residential construction.
- UL recognized component.

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 costly back end drywall and paint repairs
- Reduces lint build up that can result in fire and property damage
- Allows the dryer vent hose to be properly recessed and increase airflow
- Helps with dryer efficiency
- Eliminates the kinked hose behind the dryer
- Metal dryer vent box must be used in multi-family construction over 3 stories: The DBX1000 plastic dryer vent box can be used in single family and multi-family residential construction

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

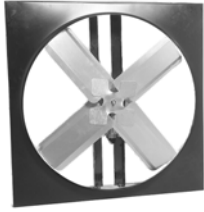
Surface Mount, Solar Powered, Black



- 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 for exceptional efficiency.
- 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.
- High-Low-Off wall switch.
- Ten year, limited warranty on all parts.
- UL Listed

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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



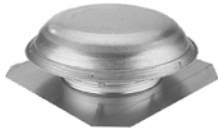
Model VX1818 Shutter

- For use with SVG-EE, VX2515, VX2516
- High impact, one-piece ABS Cylolac® 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® 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 output, 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	22500	XX DUO STAT HUMIDITY & TEMP CNTRL	
1	EA	22502	XX14 FB LD 14" FAN BLADE ASSEMBLY	
1	EA	22503	XX FIRESTAT 415 ADJUSTABLE T-STAT	
1	EA	22504	XE 401 VX2414 2515 3.4 AMP REPLACEMENT MOTOR	
1	EA	22505	XE 406 VXSVR REPLACEMENT MOTOR	
1	EA	22509	XE 404 2.1 AMP MOTOR	
1	EA	22512	XXSOLARSTAT SOLAR SWITCH.	

Ventamatic® Wind Turbine Attic Ventilators



- Genuine factory replacement parts.
- Adjustable ring feature adapts to most existing base and riser.
- Maintenance-free, no-wear design.
- Easy to install, preassembled for assured performance.
- 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

Motor

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

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

Performance

Model No.	0*	1/8*	1/4 *	3/8*	1/2 *	5/8*	3/4 *	1*	1-1/4*	1-1/2*	1-3/4*	RPM (Nom.)	Max Motor Watts/Amps	Sones @ 1/2"
LPD081	387	358	331	303	275	245	222	178	138	98	63	2775	115/1.0	11.9

* CFM As Static Pressure

Dimensions

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 Wt. (Lbs.)
LPD081	11-3/4	11	26472	11-3/4	26471	14-3/4	26473	15

Ventilator with TE Motor

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	Sones @ 1/4 SP	0 *	1/8 *	1/4 *	3/8 *	1/2 *	5/8 *	3/4 *	1 *	1-1/4 *
DB08	1/4	0.25	1700	11.2	1250	1176	1095	1002	900	785	634	—	—
DB11	1/3	0.34	1685	13.5	1793	1704	1609	1510	1400	1281	1165	894	485
DB12	1/2	0.53	1600	17.8	2399	2306	2209	2108	2001	1882	1760	1489	1109
DB14	1/2	0.50	1225	15.2	2806	2705	2595	2474	2340	2183	1988	1408	—
DB16	3/4	0.79	1155	16.7	4288	4084	3878	3648	3395	3125	2831	1980	—
DB18	1	0.99	1165	21.0	4422	4276	4123	3957	3770	3570	3356	2824	—

*CFM at Static Pressure

Model No.	Roof Opening	12" Mounting Curb O.D.	12" Mounting Curb Bercor	Damper O.D.	Damper Bercor	Ship Wt. (Lbs.)
DB08	11-1/2	14-3/4	26471	11	26472	80
DB11, 12, 14	19-1/2	22-1/4	26474	18	26476	135
DB16	19-1/2	22-1/4	26474	18	26476	145
DB18	24-3/4	27-3/4	26475	24	26477	160

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26449	DB08MH1S 1/4HP BD DNBLST R/W EXHAUSTER	
1	EA	26450	DB11PH1S 1/3HP BD DNBLST R/W EXHAUSTER	
1	EA	26451	DB12QH1S 1/2 HP BD DNBLST R/W EXHAUSTER	
1	EA	26452	DB14QH1S 1/2HP BD DNBLST R/W EXHAUSTER	
1	EA	26453	DB16RH1S 3/4HP 115/208/230 SP BD DNBLST R/W EXHAUSTER	
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 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	Sones @ 1/4 SP	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	—

*CFM at Static Pressure

Model No.	Roof Opening	12" Mounting Curb O.D.	12" Mounting Curb Bercor	Damper O.D.	Damper Bercor	Ship Wt. (Lbs.)
SDB08, 10	13-1/2	16-1/2	26401	12	26401	109
SDB12	15-1/2	18-1/2	26479	14	26479	122
SDB14	15-1/2	18-1/2	26479	14	26476	126
SDB16	19-1/2	22-1/2	26476	18	26476	140

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	



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	Sones @ 1/4 SP	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

*CFM at Static Pressure

Model No.	Roof Opening	12" Mounting Curb O.D.	12" Mounting Curb Bercor	Damper O.D.	Damper Bercor	Ship Wt. (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

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	



RED Centrifugal Roof Exhauster

Downblast Direct Drive



Construction

- Curb cap has prepunched mounting holes for ease of installation
- Fan plate isolates motor compartment from contaminated exhaust air
- 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
- Quick access to motor compartment for ease of maintenance
- Conduit passage for easy electrical connection from below roof
- Aluminum birdscreen and disconnect are included on standard models

Centrifugal Wheel

- Non-overloading for safe operation in ducted systems
- Backward inclined wheels constructed of noncorrosive aluminum
- Dynamically balanced for smooth operation

Speed Controllable Motors

- Standard motors are single speed, speed controllable and drip-proof
- All motors are rated for continuous 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	Sones @ 1/8 SP	0*	1/8 *	1/4 *	3/8*	1/2 *	5/8*	3/4 *	7/8*	1*
RED08	1/25	0.04	1050	4.5	573	468	326	—	—	—	—	—	—
	1/10	0.12	1550	9.5	845	781	705	622	523	398	251	—	—
RED10	1/4	0.27	1600	12.4	1436	1348	1256	1155	1041	910	766	604	412
RED12	1/2	0.52	1750	18.3	2352	2226	2104	1973	1832	1689	1562	1443	1324

* CFM at Static Pressure

Model No.	Roof Opening	12" Mounting Curb O.D.	12" Mounting Curb Bercor	Damper O.D.	Damper Bercor	Speed Control Bercor	Ship Wt. (Lbs.)
RED08	11-3/4	14-3/4	26471	11	26472	26473	50
RED10	11-3/4	14-3/4	26471	18	26472	26473	50
RED12	19-1/4	22-1/4	26474	18	26476	26473 26478	120

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26462	RED08HM1AS 1/25HP DD DNBLST ROOF VENTILATOR	
1	EA	26463	RED10MH1AS 1/4HP DD DNBLST ROOF EXHAUSTER	
1	EA	26464	RED12QH1AS 1/2HP DD DNBLST ROOF EXHAUSTER	



TXD Centrifugal Roof/Sidewall Exhauster

Upblast Direct Drive



Construction

- Heavy-gauge aluminum housing and curb cap for strength and rigidity
- 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 without having to wire through the breather tube
- Mounted disconnect is included on standard models

Centrifugal Wheel

- Non-overloading backward inclined for safe operation in ducted systems
- Wheels constructed of noncorrosive aluminum
- Statically and dynamically balanced for smooth operation

Speed Controllable Motors

- Standard motors are single speed, speed controllable and drip-proof
- All motors are rated for continuous 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	Sones @ 1/8 SP	0*	1/8 *	1/4 *	3/8*	1/2 *	5/8*	3/4 *	7/8*	1*
TXD10	1/4	0.27	1650	14.7	1527	1460	1398	1325	1236	1129	1011	883	747
TXD12	1/4	0.16	1140	9.6	1616	1487	1338	1161	983	760	462	—	—
1/2	.055	1730	21.0	2453	2364	2281	2196	2097	1985	1867	1751	1638	—

*CFM at Static Pressure

Model No.	Roof Opening	12" Mounting Curb O.D.	12" Mounting Curb Bercor	Damper O.D.	Damper Bercor	Speed Control Bercor	Ship Wt. (Lbs.)
TXD10	12	15	26471	11	26472	26473	73
TXD12	19-1/4	22-1/4	26474	18	26476	26473 26478	115

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26465	TXD10RHULMH1AS 1/4HP DD UPBLAST R/W EXHAUSTER	
1	EA	26466	TXD12RHULMM1AS 1/4HP DD UPBLAST R/W EXHAUSTER	
1	EA	26467	TXD12RHULQH1AS 1/2HP DD UPBLAST ROOF EXHAUSTER	



STXD-RHUL Centrifugal Roof/Sidewall Exhauster

Upblast Direct Drive, for General and Restaurant Applications



Construction

- Heavy-gauge aluminum for extra strength with prepunched 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
- Wheels constructed of noncorrosive aluminum
- Dynamically balanced for smooth operation

Speed Controllable Motors

- Standard motors are single speed, speed controllable and drip-proof
- All motors are rated for continuous 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	Sones @ 1/8 SP	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

*CFM at Static Pressure

Model No.	Roof Opening (In)	12" Mounting Curb O.D. (In)	12" Mounting Curb Bercor	Damper O.D. (In)	Damper Bercor	Speed Control Bercor	Ship Wt. (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

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	Sones @ 1/4 SP	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

*CFM at Static Pressure

Model No.	Roof Opening (In)	12" Mounting Curb O.D. (In)	12" Mounting Curb Bercor	Damper O.D. (In)	Damper Bercor	Ship Wt. (Lbs.)
STXB12	15-1/2	18-1/2	26409	14	26479	136
STXB15	19-1/2	22-1/2	26411	18	26476	155

Exhausters

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 115/230-3 PHASE BD UPBLST R/W EXHAUSTER	

Accessories

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

Upblast Belt Drive



Construction

- Heavy-gauge aluminum housing and prepunched galvanized steel curb
- 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 without having to wire through the breather tube
- External weather proof disconnect is included on standard models

Centrifugal Wheel

- Non-overloading backward inclined for safe operation in ducted systems
- Heavy aluminum hub for extra strength
- Statically and dynamically balanced for smooth, quiet operation

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 minimum 150% of drive horse power
- Machined cast iron adjustable motor pulleys
- Adjustable base for belt tensioning
- Static resistant v-belt

Bearings

- Heavy-duty cast pillow block ball bearing type
- Prelubricated with zerk fitting
- Designed for 200,000 hour average life

Performance

Model No.	Motor HP	Max. BHP	RPM	Sones @ 1/4 SP	0*	1/4 *	3/8 *	1/2*	5/8*	3/4*	1 *	1-1/4*
TXB12	1/4	0.24	1365	13.7	1507	1353	1281	1201	1107	996	703	—
TXB15	1/2	0.50	1255	17.8	2733	2490	2361	2223	2074	1906	1462	—
TXB15	1	1.02	1590	26	3463	3273	3175	3075	2972	2864	2631	2362
TXB18	1-1/2	1.49	1350	24	4857	4630	4518	4406	4291	4169	3906	3621
TXB20	1-1/2	1.60	1115	24	5974	5649	5477	5300	5116	4923	4470	3808

*CFM at Static Pressure

Model No.	Roof Opening (In)	12" Mounting Curb O.D. (n)	12" Mounting Curb Bercor	Damper O.D. (In)	Damper Bercor	Ship Wt. (Lbs.)
TXB12, 15	19-1/4	22-1/2	26474	18	26476	93
TXB18, 20	24-3/4	27-3/4	26475	24	26477	120

Exhausters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26455	TXB12RHULMH1S 1/4HP BD UPBLST R/W EXHAUSTER	
1	EA	26456	TXB15RHULQH1S 1/2HP BD UPBLST ROOF EXHAUSTER	
1	EA	26457	TXB15RHULSH1S 1HP 115/230-1 PHASE BD UPBLST R/W EXHAUSTER	
1	EA	26487	TXB15RHULSH3S 1HP 115/230-3 PHASE BD UPBLST R/W EXHAUSTER	
1	EA	26458	TXB18RHULH1S 1-1/2HP 115/208/230V BD UPBLST R/W EXHAUSTER	
1	EA	26459	TXB20RHULH1S 1-1/2HP 115/208/230V BD UPBLST R/E EXHAUSTER	

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26483	90005891-A GREASE BOX FOR TXB 8 - 16	



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.

Specifications

Model No.	Motor HP	Max. BHp	RPM	Sones @ 1/8 SP	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

*CFM at Static Pressure

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

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	



CSTR Shutter Fans



- Totally assembled.
- Motor is totally enclosed maintenance free, high efficiency, sealed ball bearings and UL/ULC certified.
- Corrosion resistant aluminum shutter with tie bar to reduce shutter flapping and opening on windy days.
- One year limited warranty.
- Safety chrome grill on intake side meets OSHA standards. Fan must be mounted 7' above ground level on the exhaust side.
- Includes cord on 12" only.

Performance

Model No.	Size	SPD	HP	RPM	Hz	Ph	.0 High/Low*	.05 High/Low*	.10 High/Low*	.20 High/Low*	CFM per Watt @ .0 SP
CSTR 16	16	VAR	1/10	1725	60	1	2100/735	1995/700	1890/660	1575/550	15/13
CSTR 20	20	VAR	1/3	1725	60	1	5000/1750	4750/1665	4500/1575	3750/1315	18/14

*CFM at Static Pressure

Model No.	Volts	Amps High/Low	Drive	Blade	Cord (Ft.)	Weight (Lbs.)	L x W x H (In.)
CSTR 16	115/230	1.0/0.05	DD	3-Alum	No	25.75	20 x 20 x 13
CSTR 20	115/230	3.5/1.7	DD	3-Alum	No	35.94	24 x 24 x 13

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	26446	CSTR 16 1/10HP 115/230V DD SHUTTER FAN	
1	EA	26447	CSTR 20 1/3HP 115/230V DD SHUTTER FAN	



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

Model No.	Motor HP	Max. BHp	RPM	Sones @ 0 SP	0* CFM	1/10* CFM	1/8* CFM	1/4* CFM	Shutter OD	Shutter Bercor	Ship Weight (Lbs.)
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

* CFM at Static Pressure

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	
1	EA	26403	CCA1816 DB6-10 TO SDB6-10 CURB CAP ADAPTOR	
1	EA	26405	CCA1824 DB12 TO SDB12 CURB CAP ADAPTOR	

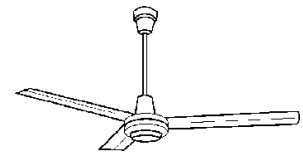
Gravity Dampers

1	EA	26472	411011 11" OD GRAVITY DAMPER	
1	EA	26401	411012 12" OD GRAVITY DAMPER	
1	EA	26479	411014 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	

QMARK® Leading Edge Industrial Fans



- Engineered and designed for spacious applications where maximum 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

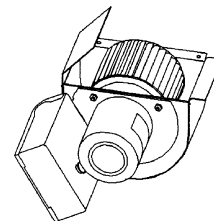
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64050	56201 CPF56 5621-1 COMMERCIAL CEILING FAN	
1	EA	64052	12003 3 AMP 120VOLT SOLID STATE CONTROL	



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.

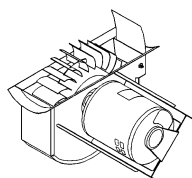


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	53943	DB-2 DUCT BOOSTER LESS STAT	
1	EA	53944	PS1503 DUCT AIRSTAT POS PRESS AIR SWITCH	



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	

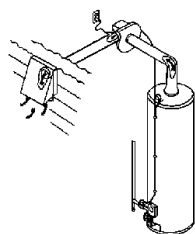
Accessories

1	EA	53925	UC1 24/115 UNIVERSAL 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.

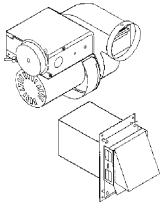
For Use With Water Heaters	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Up to 60,000 BTU	1	PKG	53946	VP-2F WATER HEATER VENT PKG	
Up to 120,000 BTU	1	PKG	53945	VP-3F WATER HEATER VENT PKG	

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

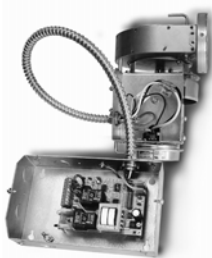
For Use with Water Heaters	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
Up to 250,000 BTU	1	EA	53935	GPAK-1T CAP KIT	
Up to 120,000 BTU	1	EA	53959	GPAK-JT CAP KIT	

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 VENTER 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
Model HSJ		Max. Horizontal Length Pipe (Ft.)	
		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

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.



AB-2

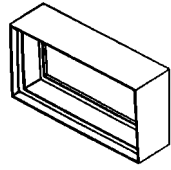


AB-6

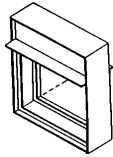
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	53933	AB-2 EVENAIR BOOSTER FAN	
1	EA	53934	AB-6 BOOSTER FAN	
1	EA	53965	AB-8 BOOSTER FAN	



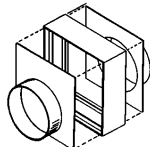
Louvers and Dampers



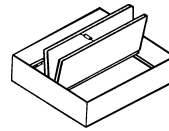
Type A Fire



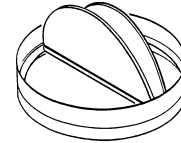
Type B



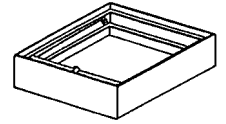
Type C



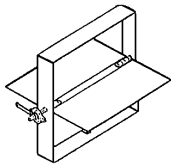
Square Bladed-Type



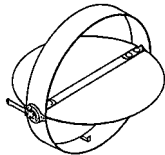
Round Bladed-Type



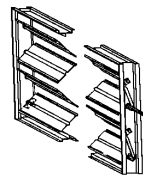
Fabric Type



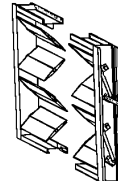
Square Balancing



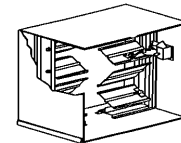
Round Balancing



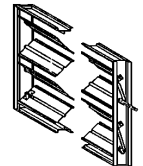
V-Bladed Control



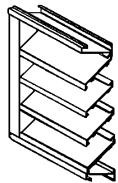
Airfoil Damper



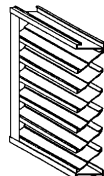
Fire/Smoke



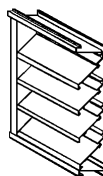
Smoke Only



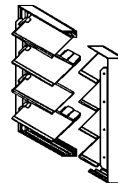
Weatherproof



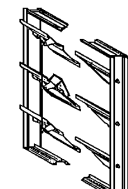
Drainable Louver



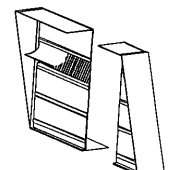
Stormproof



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.

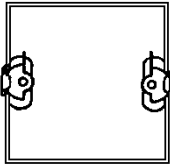
Back Draft Dampers

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

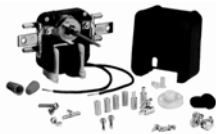


The duct access door is available with a double cam lock. The door allows access to the duct for cleaning or servicing dampers. Also available in see-through models.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	25912	625 8X8 ACCESS DOOR 1/2 INSUL	
1	EA	30970	165 DEG FUSIBLE LINK	
5	EA	30972	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	



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			
5	115	.6	1550	99257	1	EA	2119 5 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			



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
- Aluminum 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	EC5411D 4-25W RESCUE ECM WATT MOTOR EC5411			
1	EA	99309	EC5412D 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



- Output 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

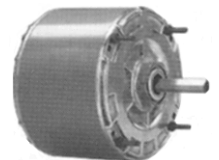


- OEM direct replacement
- Single speed
- Automatic reset thermal overload protector
- Suitable for use with 370V capacitors

Model No.	HP	Volts	Amps	RPM	Bearings	Mount	Notes	OEM
5.0" Diameter, 3/8" Diameter Shaft								
1779P	1/15	230	0.62	1300	SAB	Hub Ring	Open Air Over	Tecumseh
5.6" Permanent Split Capacitor								
6128	1/6	208/230	1.1	1550	SAB	Resilient	Capacitor Included, Open Dripproof	Copeland
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	99282	1779P 1500/1 1/15HP 230V 5" REFRIGERATION CONDENSER MOTOR			
1	EA	99276	6128 1550/1 1/6HP 230V 5.6" REFRIGERATION CONDENSER MOTOR			
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	



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	



Refrigeration Motors and Fan Blades

Motors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	98014	25300701S 1/150 HP 115V 3000 RPM CWSE MOTOR	
1	EA	98027	5021SS 1/150HP 120V 3000RPM CWSE MOTOR	
1	EA	98019	25300101S 1/20 115V 1550RPM CWSE MOTOR	
1	EA	98020	25300201S 1/20HP 230V 1550RPM CWSE MOTOR	
1	EA	98021	038688900 1/20HP 230V 1550RPM CW MOTOR	
1	EA	98015	7071061 1/15HP 230V 1550RPM CCWSE MOTOR	
1	EA	98016	5036SS 1/15HP 115V 1550RPM CWSE MOTOR	
1	EA	98017	25309101S 1/15HP 230V 1550RPM CCWSE MOTOR	
1	EA	98018	5036TS 1/15HP 230V 1550RPM CWSE MOTOR	
1	EA	98023	2537974S 1/4HP 230V 1075RPM CCW MOTOR	
1	EA	98022	7071208S 1/3HP 230V 1075RPM 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
1/2-1/3	115	6.4	1050/Var	1	EA	99450	6630RS 115V 1/2-1/3HP ECM RESCUE SELECT MOTOR			
1/2-1/3	208/230	4.6-4.3	1050/Var	1	EA	99451	6631RS 230V 1/2-1/3HP ECM RESCUE SELECT MOTOR			
3/4	115	9.3	1050/Var	1	EA	99452	6640RS 115V 3/4HP ECM RESCUE SELECT MOTOR			
3/4	208/230	6.3-6.1	1050/Var	1	EA	99453	6641RS 230V 3/4HP ECM RESCUE SELECT MOTOR			
1	115	10.6	1050/Var	1	EA	99454	6650RS 115V 1HP ECM RESCUE SELECT MOTOR			
1	208/230	6.4-6.6	1050/Var	1	EA	99455	6651RS 1HP 208-230V ECM RESCUE SELECT MOTOR			



3- & 4-Speed, PSC Blower Motors for PTAC Units

5.0" Diameter, Direct Drive, Open Air Over

- For packaged terminal A/C or heat pumps
- Bearings have all angle thrust system
- Suitable for use with 370V capacitors
- Continuous duty, air over
- Automatic reset thermal overload protector



1678

Single-Shaft

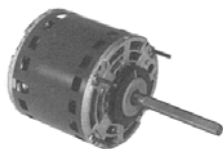
Volts	Amps	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
115-127	.53	4.0	1	EA	99272	4125 1/30HP 115-277V 5" PTAC A/C HEAT PUMP MOTOR			
115	.55	5.0	1	EA	99250	1676 1100DD 115V 1/20HP 5" PTAC A/C-H/P MOTOR SINGLESHAFT			
277	.50	4.0	1	EA	99251	1678 850DD 277V 1/16HP 5" PTAC A/C-H/P MOTOR SINGLESHAFT			

Dual-Shaft

115	.80	5.0	1	EA	99249	1090 1100DD 115V 1/15HP 5" PTAC A/C-H/P MOTOR DUAL SHAFT			
115	2.2	5.0	1	EA	99281	8525 1/6HP 115V 5" PTAC A/C HEAT PUMP MOTOR			



4-Speed, PSC, Direct Drive, Fan and Blower Motors High Efficiency, Shaded Pole, 5-1/2" Diameter, Open, Single Shaft



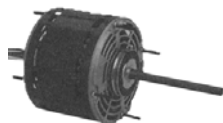
- Reversible rotation
- Continuous duty air over.
- Bearings have all angle thrust system
- 36" line leads
- Automatic reset thermal overload protection.
- Class B insulation
- Suitable for use with 370V capacitors
- 1/2" diameter shaft 4" long with full flat.
- 2-1/4" diameter hub rings with kit for 2-1/2" diameter included

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	4.6	1075/4	7.5	1	EA	99571	5835 1075/4DD 115V 1/3HP 5.6" FAN AND BLOWER MOTOR REV			
1/2	115	7.1	1075/4	7.5	1	EA	99576	5840 1075DD 115V 1/2HP 5.6" FAN & BLOWER MOTOR REVERSIBLE			
3/4	115	10.6	1075/4	15.0	1	EA	99273	5845 1075/4DD 115V 3/4HP 5.6" FAN AND BLOWER MOTOR REV			



3- & 4-Speed, PSC, Direct Drive, Fan and Blower Motors 5.0" Diameter, Open, Single Shaft



- Continuous 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			
1/5	208-230	1.6	1075/3	5.0	1	EA	99533	8952 1/5 HP 3-SPD 208/230V DIRECT DRIVE MOTOR			
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			



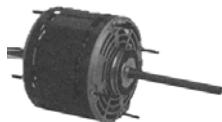
3-Speed, PSC, Direct Drive, Fan and Blower Motor 5.6" Diameter, Open Air Over, Flex Mount



- 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	1.9	825/3	15.0	1	EA	99733	8052 EMERSON 1/3 HP 3 SPEED 230V DIRECT DRIVE BLOWER MOTOR			
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



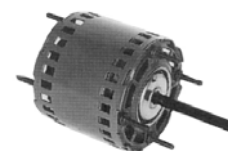
- No capacitor needed
- Reversible rotation
- Electronically protected motor
- Class B insulation
- Ball bearing
- Continuous duty, air over
- 36" leads
- Shaft dimension: 1/2" x 4"

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

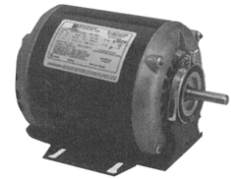
HP	Volts	Amps	RPM	Serv Fctr	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/2	115/230	8.0/4.0	1725	1.25	1	EA	99532	4114 1725/1 115/230V 1/2HP BELTED FAN & BLOWER MOTOR REV			
3/4	115/230	11.2/5.6	1725	1.25	1	EA	99271	4115 1725/1 115/230V 3/4HP BELTED FAN AND BLOWER MOTOR			

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			
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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			
1/4-3/4	460	5.0	1075	15/2.2	1	EA	99285	5481H 1075 460V 1/4-3/4HP 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

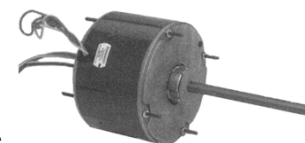
HP	Volts	Amps	RPMs	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1/8	208/230	0.90	1075	5.0	1	EA	99260	2249 1075/1 230V 1/8HP 5" CONDENSER FAN MOTOR REVERSIBLE			
1/5	208/230	1.60	1075	5.0	1	EA	99259	2246 1075/1 230V 1/5HP 5" CONDENSER FAN MOTOR REVERSIBLE			
1/4	208/230	1.70	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
- Sleeve bearings have all angle thrust system
- Suitable for use with 370 volt capacitors
- Extended studs
- 30" leads
- Hubless lead end
- Drain holes both ends
- Reversible rotation
- Automatic thermal overload protector
- Continuous duty air over
- Shaft up or down motor
- Class B insulation

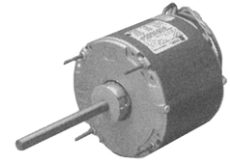


Capacitor Not Included

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 REVERSIBLE			
1/10	208/230	0.8	1100	5.0	1	EA	99265	3402 1100/1 230V 1/10HP 5.6" CONDENSER FAN MOTOR REVERSIBLE			
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 REVERSIBLE			
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



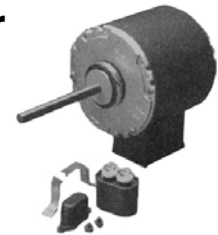
- 60 Hz
- Capacitor mounting holes in frame band
- Shaft up or horizontal
- Continuous duty, air over
- Water slinger
- Designed for 370 volt capacitors
- Automatic thermal overload protector
- Sleeve bearings have all angle thrust system
- Reversible
- Class B insulation
- Extended studs are 8-32
- 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



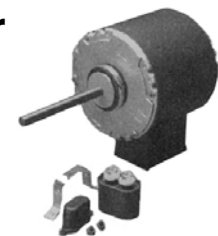
- Includes internal conduit box
- Automatic thermal overload protector
- Reversible shaft rotation
- Double-sealed ball bearing
- Continuous duty, air over
- 40° C ambient
- Class B insulation
- 1/2" shaft

Capacitor Not Included

HP	Volts	Amps	RPM	Mfd. Cap.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/2	208-230/460	3.1/1.6	1075	10	1	EA	99696	2201 1075 230/460V 1/2HP 5.6" COMMERCIAL CONDENSER FAN MOTOR	
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			



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
1/4	230	1.9	1075/3	5.0	1	EA	99599	3134 1075/3 230V 1/4HP 5.6" FAN & BLOWER MOTOR DOUBLESHAFT			
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	99604	1824 1075/3 230V 1/2HP 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	
25	208/230/460	1800	284T	1	EA	99629	D25E2D 25HP GENERAL PURPOSE US MOTOR	



3-Phase, General Purpose Motor Open Dripproof, NEMA Premium Efficient

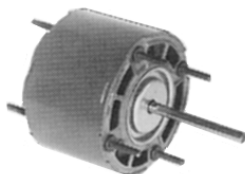


- Class F insulation
- Frame: 143T
- Rolled steel frame
- Aluminum end shields
- Double shielded bearings
- 40° C ambient, NEMA Design B performance on 60 Hz. sine wave power
- 1.15 Service Factor

HP	Volts	Amps	RPM	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	208/230/460	3.2/3.1/1.6	1800	1	EA	99247	D1P2D 1760 230/460V 1HP GENERAL PURPOSE MOTOR	



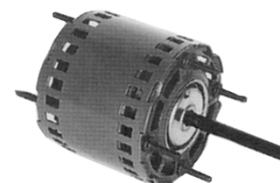
Specialty Replacement Motors



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	

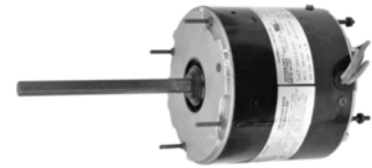
Totally Enclosed Fan and Blower Duty, Single Shaft, 3.3" Diameter, Shaded Pole and PSC, 60 Hz., Continuous Duty Air Over

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	

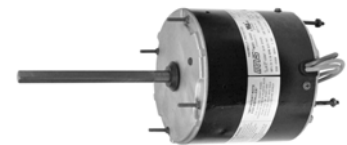
MARS 1-Speed, PSC, Condenser Fan Motors 5.6" Diameter, Totally Enclosed



- 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			

MARS 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			

MARS 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
- Reversible 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

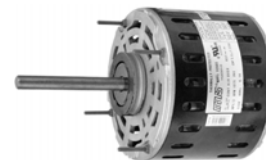
- Sleeve bearing
- Torsion flex mount
- 3 speeds
- 4-1/2" L x 1/2" Dia. shaft
- Torsion mount sleeves and grommets included

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	

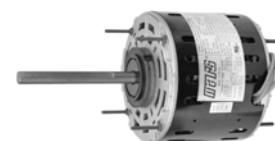
MAPS 3-Speed, PSC, Furnace Blower Motors Direct Drive, 5.6" Diameter, Open



- 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			

MAPS 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			

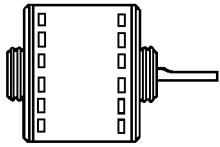
MAPS Azure Digi-Motor—4 Speed, ECM, Blower Motor Direct Drive, 5-1/2" Diameter



- 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			

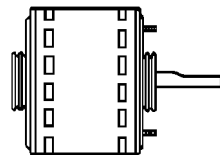
REZNOR® 1-Speed, Direct Drive, Unit Heater Motors Single Shaft, 5.7" Diameter, 48 Frame



- 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	
4	3.3	1.75	1140	1	EA	62594	RZ016072 1/6 HP MOTOR	
5	5.5	2.63	1140	1	EA	62619	RZ064679 1/4 HP 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.	2.55	4.00	1050	1	EA	62592	RZ009892 1/20 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	



Evaporator/Condenser Double Duty Motors



- Special wide temperature range lubrication system
- High capacity oil reservoir 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	
1	EA	99646	00624 14-16 WATTS 115VOLT CW EVAP/CONDENSER-UNITRONIX MOTOR	

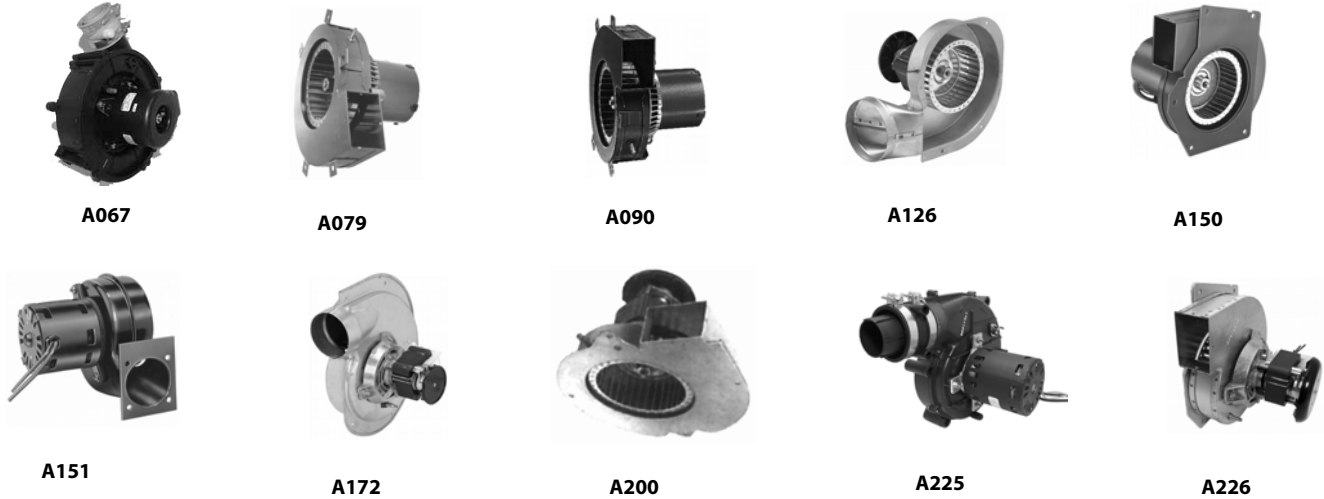


OEM Blower Motor Cross Reference

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



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	93399	A142 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 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
2	PKG	99480	9 2-1/4" DIAMETER STEEL BANDED RUBBER HUB RING KIT - 1 PAIR	
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	
1	EA	99780	27 HUB LENGTH ADAPTER SET	
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



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".



08049

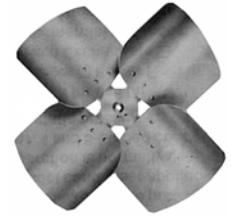
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	99512	08049 TORSION RING SET KIT (43)	
10	EA	99513	08050 5-5/8IN TORSION RING SET KIT (44)	



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	



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 Synconol® (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	



ENERGY SAVING PRODUCTS

Grease and Grease Gun



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

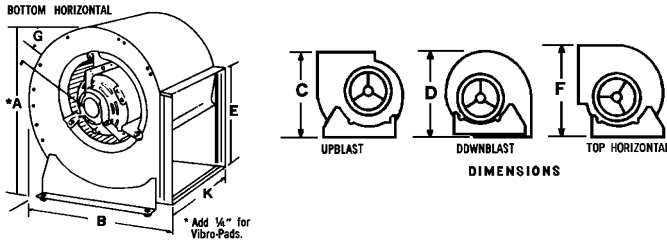
Plews Grease Gun

- 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	

MARS Direct Drive Blower Less Motor



Complete direct drive blower without motor consists of blower of heavy gauge steel with a baked enamel finish, adjustable direct drive motor mounting bracket, universal housing supports, and Vibro-pads.

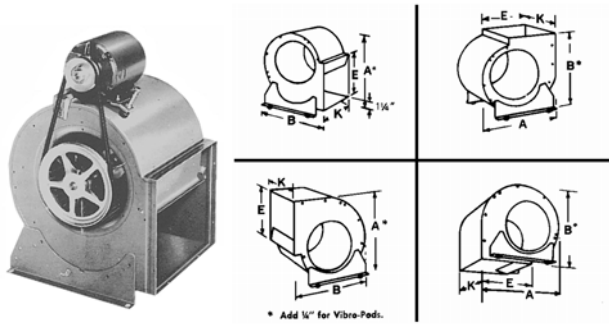
Dimensions

Part No.	LAU Model	K	E	A	B	C	D	F	G*
41410	DD9-9R Less Motor	11-7/8	10-1/4	17	14-15/16	15-1/16	14-15/16	15-9/16	7/8

* These dimensions are maximum. They will vary slightly with motor size.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	64111	41410 DD9-9R BLOWER L/MTR	

MARS 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	

MARS "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	

MARS Replacement Blower Parts



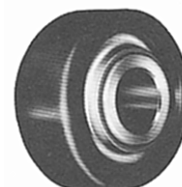
Blower Shaft



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	
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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 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	58451	40832 1VL34X5/8 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	58452	40834 1VL40X1/2 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	58453	40845 1VP40X5/8 VARIABLE PITCH SHEAVE		
20	EA	58454	40837 1VL40X7/8 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	58455	40838 1VL44X1/2 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	58456	40839 1VL44X5/8 CLEAR PK VARIABLE PITCH SHEAVE		
20	EA	58457	40841 1VL44X7/8 CLEAR PK VARIABLE PITCH SHEAVE		

VP Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
20	EA	58458	40844 1VM50X7/8 CLEAR PK VARIABLE PITCH SHEAVE		
1	EA	58459	40847 1VP56X1 1/8 VARIABLE PITCH SHEAVE		



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

4L V-Belts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	57717	74155 4L170 FHP BELT		
1	EA	57718	74156 4L180 FHP BELT		
1	EA	57719	74157 4L190 FHP BELT		
1	EA	57720	74158 4L200 FHP BELT		
1	EA	57721	74159 4L210 FHP BELT		
1	EA	57722	74160 4L220 FHP BELT		
1	EA	57723	74162 4L230 FHP BELT		

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

5L V-Belts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58470	74266 5L440 FHP BELT		
1	EA	58471	74273 5L510 FHP BELT		
1	EA	58472	74276 5L540 (B51) FHP BELT		

3VX (Wedge) V-Belts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	57347	74418 3VX475 358 BELT		
1	EA	57363	74667 3VX630 358 BELT		
1	EA	57367	74547 3VX670 358 BELT		
1	EA	57371	74523 3VX710 358 BELT		
1	EA	57375	74548 3VX750 358 BELT		
1	EA	57380	74550 3VX800 358 BELT		
1	EA	57385	74524 3VX850 358 BELT		

5VX (Wedge) V-Belts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58473	74693 5VX1000 358 BELT		
1	EA	58474	74694 5VX1030 358 BELT		
1	EA	58475	74696 5VX1080 358 BELT		
1	EA	58476	74697 5VX1120 358 BELT		
1	EA	58477	74698 5VX1150 358 BELT		
1	EA	58478	74699 5VX1180 358 BELT		
1	EA	58479	74673 5VX1230 358 BELT		
1	EA	58481	74700 5VX1320 358 BELT		
1	EA	58482	74701 5VX1400 358 BELT		
1	EA	58486	74712 5VX450 358 BELT		
1	EA	58488	74711 5VX500 358 BELT		
1	EA	58490	74688 5VX530 358 BELT		
1	EA	58492	74674 5VX550 358 BELT		
1	EA	58493	74714 5VX570 358 BELT		
1	EA	58495	74682 5VX590 358 BELT		
1	EA	58496	74715 5VX600 358 BELT		
1	EA	58498	74722 5VX630 358 BELT		

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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58501	74702 5VX670 358 BELT		
1	EA	58502	74716 5VX680 358 BELT		
1	EA	58504	74703 5VX710 358 BELT		
1	EA	58505	74675 5VX730 358 BELT		
1	EA	58507	74689 5VX750 358 BELT		
1	EA	58508	74708 5VX780 358 BELT		
1	EA	58509	74704 5VX800 358 BELT		
1	EA	58511	74677 5VX880 358 BELT		
1	EA	58512	74690 5VX900 358 BELT		
1	EA	58513	74691 5VX930 358 BELT		
1	EA	58514	74706 5VX950 358 BELT		
1	EA	58515	74692 5VX960 358 BELT		



- Static conducting

A Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58600	74403 A100 GRIPBELT		
1	EA	58603	74404 A103 GRIPBELT		
1	EA	58605	74405 A105 GRIPBELT		
1	EA	58612	74407 A112 GRIPBELT		
1	EA	58613	74408 A120 GRIPBELT		
1	EA	58614	74409 A128 GRIPBELT		
1	EA	58615	74412 A144 GRIPBELT		
1	EA	58520	74364 A20 GRIPBELT		
1	EA	58521	74325 A21 GRIPBELT		
1	EA	58522	74326 A22 GRIPBELT		
1	EA	58523	74327 A23 GRIPBELT		
1	EA	58524	74328 A24 GRIPBELT		
1	EA	58525	74329 A25 GRIPBELT		
1	EA	58526	74330 A26 GRIPBELT		
1	EA	58527	74331 A27 GRIPBELT		
1	EA	58528	74332 A28 GRIPBELT		
1	EA	58529	74333 A29 GRIPBELT		
1	EA	58530	74334 A30 GRIPBELT		
1	EA	58531	74335 A31 GRIPBELT		
1	EA	58532	74336 A32 GRIPBELT		
1	EA	58533	74337 A33 GRIPBELT		
1	EA	58534	74338 A34 GRIPBELT		
1	EA	58535	74339 A35 GRIPBELT		
1	EA	58536	74340 A36 GRIPBELT		
1	EA	58537	74341 A37 GRIPBELT		
1	EA	58538	74342 A38 GRIPBELT		
1	EA	58539	74343 A39 GRIPBELT		
1	EA	58540	74344 A40 GRIPBELT		
1	EA	58541	74345 A41 GRIPBELT		
1	EA	58542	74346 A42 GRIPBELT		
1	EA	58543	74347 A43 GRIPBELT		
1	EA	58544	74348 A44 GRIPBELT		
1	EA	58545	74349 A45 GRIPBELT		
1	EA	58546	74350 A46 GRIPBELT		
1	EA	58547	74351 A47 GRIPBELT		
1	EA	58548	74352 A48 GRIPBELT		
1	EA	58549	74353 A49 GRIPBELT		
1	EA	58550	74354 A50 GRIPBELT		
1	EA	58551	74355 A51 GRIPBELT		
1	EA	58552	74356 A52 GRIPBELT		
1	EA	58553	74357 A53 GRIPBELT		
1	EA	58554	74358 A54 GRIPBELT		
1	EA	58555	74359 A55 GRIPBELT		
1	EA	58556	74360 A56 GRIPBELT		
1	EA	58557	74361 A57 GRIPBELT		

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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58558	74362 A58 GRIPBELT		
1	EA	58559	74363 A59 GRIPBELT		
1	EA	58560	74366 A60 GRIPBELT		
1	EA	58561	74367 A61 GRIPBELT		
1	EA	58562	74368 A62 GRIPBELT		
1	EA	58563	74369 A63 GRIPBELT		
1	EA	58564	74370 A64 GRIPBELT		
1	EA	58565	74371 A65 GRIPBELT		
1	EA	58566	74372 A66 GRIPBELT		
1	EA	58567	74373 A67 GRIPBELT		
1	EA	58568	74374 A68 GRIPBELT		
1	EA	58569	74375 A69 GRIPBELT		
1	EA	58570	74376 A70 GRIPBELT		
1	EA	58571	74377 A71 GRIPBELT		
1	EA	58572	74378 A72 GRIPBELT		
1	EA	58573	74379 A73 GRIPBELT		
1	EA	58574	74380 A74 GRIPBELT		
1	EA	58575	74381 A75 GRIPBELT		
1	EA	58576	74382 A76 GRIPBELT		
1	EA	58577	74383 A77 GRIPBELT		
1	EA	58578	74384 A78 GRIPBELT		
1	EA	58579	74385 A79 GRIPBELT		
1	EA	58580	74386 A80 GRIPBELT		
1	EA	58581	74387 A81 GRIPBELT		
1	EA	58582	74388 A82 GRIPBELT		
1	EA	58583	74389 A83 GRIPBELT		
1	EA	58584	74390 A84 GRIPBELT		
1	EA	58585	74391 A85 GRIPBELT		
1	EA	58586	74392 A86 GRIPBELT		
1	EA	58587	74393 A87 GRIPBELT		
1	EA	58588	74394 A88 GRIPBELT		
1	EA	58589	74395 A89 GRIPBELT		
1	EA	58590	74396 A90 GRIPBELT		
1	EA	58591	74397 A91 GRIPBELT		
1	EA	58592	74398 A92 GRIPBELT		
1	EA	58593	74399 A93 GRIPBELT		
1	EA	58594	74400 A94 GRIPBELT		
1	EA	58596	74402 A96 GRIPBELT		
1	EA	58598	74532 A98 GRIPBELT		

B Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58800	74491 B100 GRIPBELT		
1	EA	58801	74519 B101 GRIPBELT		
1	EA	58802	74492 B103 GRIPBELT		
1	EA	58803	74493 B105 GRIPBELT		
1	EA	58804	74495 B108 GRIPBELT		
1	EA	58806	74497 B112 GRIPBELT		
1	EA	58807	74499 B116 GRIPBELT		
1	EA	58808	74501 B120 GRIP BELT		
1	EA	58809	74502 B124 GRIPBELT		
1	EA	58810	74504 B128 GRIPBELT		
1	EA	58811	74525 B133 GRIPBELT		
1	EA	58812	74506 B136 GRIPBELT		
1	EA	58813	74507 B140 GRIPBELT		
1	EA	58814	74508 B144 GRIPBELT		
1	EA	58815	74510 B150 GRIPBELT		
1	EA	58816	74511 B154 GRIPBELT		
1	EA	58817	74512 B158 GRIPBELT		
1	EA	58818	74513 B162 GRIPBELT		
1	EA	58725	74250 B25 GRIPBELT		
1	EA	58728	74517 B28 GRIPBELT		
1	EA	58729	74518 B29 GRIPBELT		
1	EA	58730	74422 B30 GRIPBELT		
1	EA	58731	74423 B31 GRIPBELT		
1	EA	58732	74424 B32 GRIPBELT		

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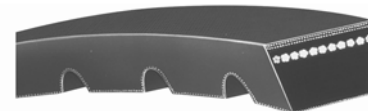
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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58733	74425 B33 GRIPBELT		
1	EA	58734	74426 B34 GRIPBELT		
1	EA	58735	74427 B35 GRIPBELT		
1	EA	58736	74428 B36 GRIPBELT		
1	EA	58737	74429 B37 GRIPBELT		
1	EA	58738	74430 B38 GRIPBELT		
1	EA	58739	74431 B39 GRIPBELT		
1	EA	58740	74432 B40 GRIPBELT		
1	EA	58741	74433 B41 GRIPBELT		
1	EA	58742	74434 B42 GRIPBELT		
1	EA	58743	74435 B43 GRIPBELT		
1	EA	58744	74436 B44 GRIPBELT		
1	EA	58745	74437 B45 GRIPBELT		
1	EA	58746	74438 B46 GRIPBELT		
1	EA	58747	74439 B47 GRIPBELT		
1	EA	58748	74440 B48 GRIPBELT		
1	EA	58749	74441 B49 GRIPBELT		
1	EA	58750	74442 B50 GRIPBELT		
1	EA	58751	74443 B51 GRIPBELT		
1	EA	58752	74444 B52 GRIPBELT		
1	EA	58753	74445 B53 GRIPBELT		
1	EA	58754	74446 B54 GRIPBELT		
1	EA	58755	74447 B55 GRIPBELT		
1	EA	58756	74448 B56 GRIPBELT		
1	EA	58757	74449 B57 GRIPBELT		
1	EA	58758	74450 B58 GRIPBELT		
1	EA	58759	74451 B59 GRIPBELT		
1	EA	58760	74452 B60 GRIPBELT		
1	EA	58761	74453 B61 GRIPBELT		
1	EA	58762	74454 B62 GRIPBELT		
1	EA	58763	74455 B63 GRIPBELT		
1	EA	58764	74456 B64 GRIPBELT		
1	EA	58765	74457 B65 GRIPBELT		
1	EA	58766	74458 B66 GRIPBELT		
1	EA	58767	74459 B67 GRIPBELT		
1	EA	58768	74460 B68 GRIPBELT		
1	EA	58769	74461 B69 GRIPBELT		
1	EA	58770	74462 B70 GRIPBELT		
1	EA	58771	74463 B71 GRIPBELT		
1	EA	58772	74464 B72 GRIPBELT		
1	EA	58773	74465 B73 GRIPBELT		
1	EA	58774	74466 B74 GRIPBELT		
1	EA	58775	74467 B75 GRIPBELT		
1	EA	58776	74468 B76 GRIPBELT		
1	EA	58777	74469 B77 GRIPBELT		
1	EA	58778	74470 B78 GRIPBELT		
1	EA	58779	74471 B79 GRIPBELT		
1	EA	58780	74472 B80 GRIPBELT		
1	EA	58781	74473 B81 GRIPBELT		
1	EA	58782	74474 B82 GRIPBELT		
1	EA	58783	74475 B83 GRIPBELT		
1	EA	58784	74476 B84 GRIPBELT		
1	EA	58785	74477 B85 GRIPBELT		
1	EA	58786	74478 B86 GRIPBELT		
1	EA	58787	74479 B87 GRIPBELT		
1	EA	58788	74480 B88 GRIPBELT		
1	EA	58789	74481 B89 GRIPBELT		
1	EA	58790	74482 B90 GRIPBELT		
1	EA	58791	74528 B91 GRIPBELT		
1	EA	58792	74483 B92 GRIPBELT		
1	EA	58793	74484 B93 GRIPBELT		
1	EA	58794	74485 B94 GRIPBELT		
1	EA	58795	74486 B95 GRIPBELT		
1	EA	58796	74487 B96 GRIPBELT		
1	EA	58797	74488 B97 GRIPBELT		
1	EA	58798	74489 B98 GRIPBELT		
1	EA	58799	74490 B99 GRIPBELT		



Gripnotch Belts

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



AX Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58620	94720 AX20 GRIPNOTCH		
1	EA	58621	74556 AX21 GRIPNOTCH		
1	EA	58622	74557 AX22 GRIPNOTCH		
1	EA	58623	74558 AX23 GRIPNOTCH		
1	EA	58624	74553 AX24 GRIPNOTCH		
1	EA	58625	74560 AX25 GRIPNOTCH		
1	EA	58626	74566 AX26 GRIPNOTCH		
1	EA	58627	74561 AX27 GRIPNOTCH		
1	EA	58628	74555 AX28 GRIPNOTCH		
1	EA	58629	74563 AX29 GRIPNOTCH		
1	EA	58630	74564 AX30 GRIPNOTCH		
1	EA	58631	74565 AX31 GRIPNOTCH		
1	EA	58632	74554 AX32 GRIPNOTCH		
1	EA	58633	74567 AX33 GRIPNOTCH		
1	EA	58634	74568 AX34 GRIPNOTCH		
1	EA	58635	74569 AX35 GRIPNOTCH		
1	EA	58636	74570 AX36 GRIPNOTCH		
1	EA	58637	74571 AX37 GRIPNOTCH		
1	EA	58638	74572 AX38 GRIPNOTCH		
1	EA	58639	74562 AX39 GRIPNOTCH		
1	EA	58640	74573 AX40 GRIPNOTCH		
1	EA	58641	74574 AX41 GRIPNOTCH		
1	EA	58642	74575 AX42 GRIPNOTCH		
1	EA	58643	74576 AX43 GRIPNOTCH		
1	EA	58644	74604 AX44 GRIPNOTCH		
1	EA	58645	74608 AX45 GRIPNOTCH		
1	EA	58646	74577 AX46 GRIPNOTCH		
1	EA	58647	74579 AX47 GRIPNOTCH		
1	EA	58648	74578 AX48 GRIPNOTCH		
1	EA	58649	74580 AX49 GRIPNOTCH		
1	EA	58650	74598 AX50 GRIPNOTCH		
1	EA	58651	74581 AX51 GRIPNOTCH		
1	EA	58652	74599 AX52 GRIPNOTCH		
1	EA	58653	74551 AX53 GRIPNOTCH		
1	EA	58654	74582 AX54 GRIPNOTCH		
1	EA	58655	74583 AX55 GRIPNOTCH		
1	EA	58656	74600 AX56 GRIPNOTCH		
1	EA	58657	74601 AX57 GRIPNOTCH		
1	EA	58658	74584 AX58 GRIPNOTCH		
1	EA	58659	74552 AX59 GRIPNOTCH		
1	EA	58660	74585 AX60 GRIPNOTCH		
1	EA	58662	74587 AX62 GRIPNOTCH		
1	EA	58663	74588 AX63 GRIPNOTCH		
1	EA	58664	74589 AX64 GRIPNOTCH		
1	EA	58666	74603 AX66 GRIPNOTCH		
1	EA	58668	74590 AX68 GRIPNOTCH		
1	EA	58670	74749 AX70 GRIPNOTCH		
1	EA	58671	74757 AX71 GRIPNOTCH		
1	EA	58675	74591 AX75 GRIPNOTCH		
1	EA	58680	74593 AX80 GRIPNOTCH		
1	EA	58685	74594 AX85 GRIPNOTCH		
1	EA	58690	74596 AX90 GRIPNOTCH		
1	EA	58692	74549 AX92 GRIPNOTCH		
1	EA	58696	74597 AX96 GRIPNOTCH		

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BX Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58901	74647 BX100 GRIPNOTCH		
1	EA	58903	74649 BX103 GRIPNOTCH		
1	EA	58908	74653 BX105 GRIPNOTCH		
1	EA	58913	74685 BX108 GRIPNOTCH		
1	EA	58915	74670 BX112 GRIPNOTCH		
1	EA	58918	74686 BX116 GRIPNOTCH		
1	EA	58919	74668 BX120 GRIPNOTCH		
1	EA	58920	74669 BX124 GRIPNOTCH		
1	EA	58923	74687 BX128 GRIPNOTCH		
1	EA	58927	74705 BX133 GRIPNOTCH		
1	EA	58932	74748 BX162 GRIPNOTCH		
1	EA	58828	74650 BX28 GRIPNOTCH		
1	EA	58830	74662 BX30 GRIPNOTCH		
1	EA	58832	74605 BX32 GRIPNOTCH		
1	EA	58833	74684 BX33 GRIPNOTCH		
1	EA	58834	74666 BX34 GRIPNOTCH		
1	EA	58835	74609 BX35 GRIPNOTCH		
1	EA	58836	74610 BX36 GRIPNOTCH		
1	EA	58838	74612 BX38 GRIPNOTCH		
1	EA	58839	74613 BX39 GRIPNOTCH		
1	EA	58840	74614 BX40 GRIPNOTCH		
1	EA	58841	74615 BX41 GRIPNOTCH		
1	EA	58842	74616 BX42 GRIPNOTCH		
1	EA	58843	74617 BX43 GRIPNOTCH		
1	EA	58844	74618 BX44 GRIPNOTCH		
1	EA	58845	74710 BX45 GRIPNOTCH		
1	EA	58846	74619 BX46 GRIPNOTCH		
1	EA	58847	74719 BX47 GRIPNOTCH		
1	EA	58848	74620 BX48 GRIPNOTCH		
1	EA	58849	74663 BX49 GRIPNOTCH		
1	EA	58850	74621 BX50 GRIPNOTCH		
1	EA	58851	74607 BX51 GRIPNOTCH		
1	EA	58852	74622 BX52 GRIPNOTCH		
1	EA	58853	74623 BX53 GRIPNOTCH		
1	EA	58854	74624 BX54 GRIPNOTCH		
1	EA	58855	74625 BX55 GRIPNOTCH		
1	EA	58856	74626 BX56 GRIPNOTCH		
1	EA	58857	74664 BX57 GRIPNOTCH		
1	EA	58858	74629 BX58 GRIPNOTCH		
1	EA	58859	74630 BX59 GRIPNOTCH		
1	EA	58860	74631 BX60 GRIPNOTCH		
1	EA	58861	74627 BX61 GRIPNOTCH		
1	EA	58862	74632 BX62 GRIPNOTCH		
1	EA	58863	74628 BX63 GRIPNOTCH		
1	EA	58864	74633 BX64 GRIPNOTCH		
1	EA	58865	74634 BX65 GRIPNOTCH		
1	EA	58866	74635 BX66 GRIPNOTCH		
1	EA	58867	74636 BX67 GRIPNOTCH		
1	EA	58868	74637 BX68 GRIPNOTCH		
1	EA	58870	74638 BX70 GRIPNOTCH		
1	EA	58871	74639 BX71 GRIPNOTCH		
1	EA	58872	74641 BX72 GRIPNOTCH		
1	EA	58873	74640 BX73 GRIPNOTCH		
1	EA	58874	74657 BX74 GRIPNOTCH		
1	EA	58875	74646 BX75 GRIPNOTCH		
1	EA	58876	74648 BX76 GRIPNOTCH		
1	EA	58877	74651 BX77 GRIPNOTCH		
1	EA	58878	74655 BX78 GRIPNOTCH		
1	EA	58879	74656 BX79 GRIPNOTCH		
1	EA	58880	74642 BX80 GRIPNOTCH		
1	EA	58881	74643 BX81 GRIPNOTCH		
1	EA	58882	74658 BX82 GRIPNOTCH		
1	EA	58883	74644 BX83 GRIPNOTCH		
1	EA	58884	74652 BX84 GRIPNOTCH		
1	EA	58885	74645 BX85 GRIPNOTCH		
1	EA	58886	74721 BX86 GRIPNOTCH		
1	EA	58888	74678 BX88 GRIPNOTCH		
1	EA	58889	74679 BX89 GRIPNOTCH		

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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	58890	74659 BX90 GRIPNOTCH		
1	EA	58891	74665 BX91 GRIPNOTCH		
1	EA	58892	74672 BX92 GRIPNOTCH		
1	EA	58893	74661 BX93 GRIPNOTCH		
1	EA	58895	74660 BX95 GRIPNOTCH		
1	EA	58896	74606 BX96 GRIPNOTCH		
1	EA	58897	74681 BX97 GRIPNOTCH		
1	EA	58899	74683 BX99 GRIPNOTCH		



AP and BP 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	EA	58619	94671 AP 5FT GRIPTWIST (5FT=1PKG)		
1	EA	58719	94672 BP 5FT 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
Purolator Filters.....	3 - 15
Fiberbond Filters.....	3 - 22
Aprilaire Filters.....	3 - 24
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 23 Sidewall/Ceiling Supply Registers

- Two bars per inch
- Three-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				



ODP Series Plaque Diffusers Omnidirectional

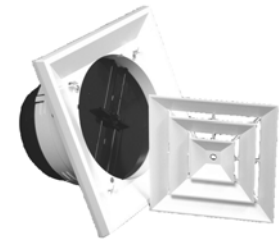


- Steel construction
- 360° air diffusion
- Quiet, unobtrusive operation
- Heavy-gauge plaque with corner radius
- Fixed collars in 6", 8", and 10"
- Non-collar models for use with separate 5400
- Series snap-in collar

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				



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 airtthrow
- 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				



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				



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				



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				



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				



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				



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

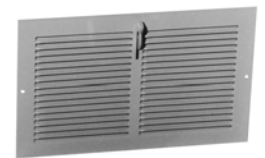


Free Area Square In.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
31.6	10	EA	33560	150W 15IN SUNBURST BB SUPPLY				
38	10	EA	33561	180W 18IN SUNBURST BB SUPPLY				
50.6	10	EA	33562	240W 24IN SUNBURST BB SUPPLY				



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				



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				



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				



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				



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				



Series BG21 Baseboard Return Grilles

- 1/2 inch spaced fins
- 7/8 inch extension
- Steel construction
- 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
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	33161	BG31W2410 24X10 BB RETURN				
5	EA	33154	BG21W3006 30X6 BB RETURN				
5	EA	33155	BG21W3008 30X8 BB RETURN				



Series BEG31 Baseboard Return Grilles

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

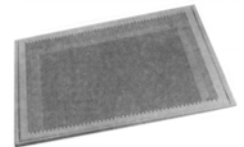


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
24	EA	33156	BEG31W1206 12X6 BB RETURN				
24	EA	33157	BEG31W1406 14X6 BB RETURN				
10	EA	33158	BEG31W2406 24X6 BB RETURN				
10	EA	33159	BEG31W3006 30X6 BB RETURN				
10	EA	33160	BEG31W3008 30X8 BB RETURN				



TP106 Commercial T-Bar Return Grille

- Perforated face
- Stamped steel
- White finish



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
1	EA	33172	TP106 2X2 PERF R6 PLENUM FILTER GRILLE				



BHV Commercial T-Bar Supply Diffusers High Volume

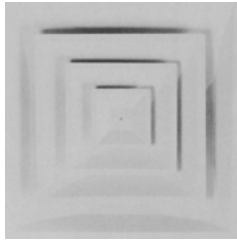
- Without insulation
- 3 cone drop design
- Provides high volume of air delivery
- 360° air diffusion
- Formed steel back panel
- Removable core
- Heavy gauge steel plenum
- White finish
- Seismic tabs



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



- Available with R6 blanket.
- Provides high volume of air delivery.
- 360° air diffusion.
- Formed steel back panel.
- Removable core.
- Fiberglass insulation with vapor barrier foil to reduce condensation.
- Insulation blanket prescored to accommodate various collar sizes.
- Utilizes snap-in collar (5400 Series).
- Accepts butterfly damper (3700 Series) inserted in collar.
- 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	33502	HVSA 24X24 HIGH VOLUME DIFFUSER (4 WAY)				



CS106P4 Commercial T-Bar Diffuser



- Perforated face, white
- R6 fiberglass plenum
- Steel construction
- 4-way deflector
- Center hole and sleeve for damper adjustment (damper not included)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
6	EA	33171	CS106P4 2X2 4-WAY PERFORATED DIFFUSER				



RVML Commercial Sidewall/Ceiling Supply Diffuser

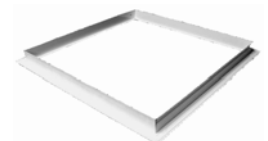


- Sidewall/ceiling
- Single deflection-steel frame
- Multi-shutter damper
- Adjustable steel rollform vertical face blades
- White finish

Free Area Square In.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
26	24	EA	33315	RVMLW1204 12X4 COMM SW/CEILING DIFFUSER	



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	ASMF2424 24X24 ALUMINUM SURFACE MOUNT FRAME	

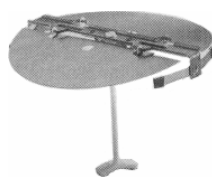


Diffuser Accessories



5400 Series Snap-in Collar Ring
Used with Surflo T-Bar Diffuser and HVSA "T" Bar Diffuser. The 5400 Series Ring is matched with the 3700 T-bar damper for airflow control.

PF175 Fastener
For 5400 collar with fiberglass plenum. Mushroom style.



3700 Series T-bar Damper
The adjustable T-bar damper comes with a removable handle. When used with the 5400 Snap-In Collar Ring it can then be used with either the Surflo Diffuser or the HVSA Diffuser.

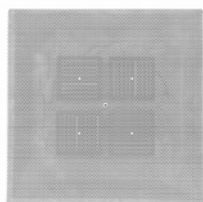
Collars and Dampers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 100-199	PC-4 200
12	EA	33530	5406 6IN T-BAR COLLAR				
12	EA	33532	5408 8IN T-BAR COLLAR				
10	EA	33534	5410 10IN T-BAR COLLAR				
10	EA	33536	5412 12IN T-BAR COLLAR				
12	EA	33520	3706 6IN T-BAR DAMPER				
12	EA	33522	3708 8IN T-BAR DAMPER				
10	EA	33524	3710 10IN T-BAR DAMPER				
8	EA	33528	3714 14IN T-BAR DAMPER				

Collar Fastener

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
100	EA	33540	PF175 COLLAR FASTENER	

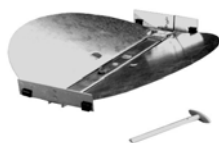
SELKIRK 782-SA Perforated T-Bar Diffuser



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				

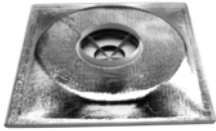
SELKIRK 800-DO T-Bar Damper



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				

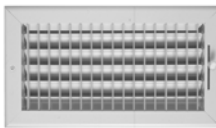
SELKIRK. 1300 Uninsulated Diffuser



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

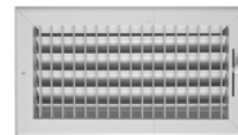


- Vertical single deflection air foils with multi-shutter damper
- Extruded aluminum frame
- White EDP finish
- Individually adjustable extruded aluminum air foil

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		

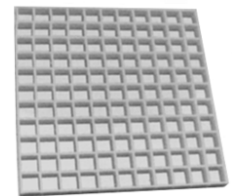
SELKIRK TB170FF T-Bar Filter Grille



- 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

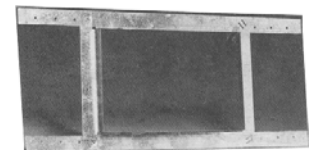


- Excellent as ceiling return air inlet
- Lightweight, easy to install, easy to remove
- May also be used for lighting
- White polystyrene 1/2" open cell grid

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	30680	650-100 1/2X24X48 EGG CRATE		



924 Sidewall Stud Frame



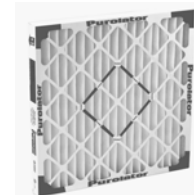
- Horizontal arms provide offset positioning between 16" studding centers.
- All steel construction.
- Permits good plaster base right up to frame.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	EA	10670	924 10X6 STUD FRAME		
10	EA	10671	924 12X6 STUD FRAME		
10	EA	10672	924 14X6 STUD FRAME		
10	EA	10808	924 14X8 STUD FRAME		
12	EA	16060	924 16X16 28GA STUD FRAME BNDL		
10	EA	10678	924 24X6 30 GA GLV STUD FRAME W/FLNG		
10	EA	10674	924 30X6 STUD FRAME		
10	EA	10795	924 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-STD2-8002 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				

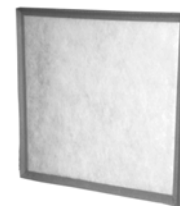


Synthetic Panel Filter 1 Ply Economy

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

Continued from the Previous Page

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				

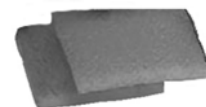


Synthetic Rigid Pad Filters

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

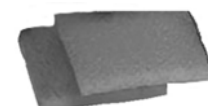
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25	EA	48420	0850101 16X20X1 P100 01 1" DRY WHITE POLY PAD	
25	EA	48395	0850102 16X25X1 P100 02 DRY WHITE POLY PAD	
25	EA	48396	0850103 20X20X1 P100 03 DRY WHITE POLY PAD	

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 P2005 SP-PAD				



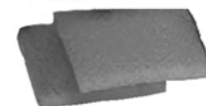
Permalast Polyester Pad Filters



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	



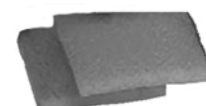
Fiberglass Pad Filters



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	



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%			

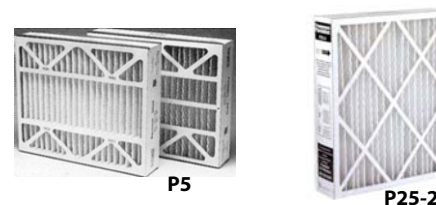


Fiberglass Window A/C Filter

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



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 MERV 7 Pleated Filters



MERV 7 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 PLEAT GOLD MERV 7				
24	EA	41241	KLEEN PLEAT GOLD 14X20X1 MERV 7 WITH SPOR-AX ANTIMICROBIAL				
24	EA	41244	KLEEN PLEAT GOLD 16X20X1 MERV 7 WITH SPOR-AX ANTIMICROBIAL				
24	EA	41245	KLEEN PLEAT GOLD 16X25X1 MERV 7 WITH SPOR-AX ANTIMICROBIAL				
24	EA	41242	KLEEN PLEAT GOLD 20X20X1 MERV 7 WITH SPOR-AX ANTIMICROBIAL				
24	EA	41246	KLEEN PLEAT GOLD 20X25X1 MERV 7 WITH SPOR-AX ANTIMIROBIAL				
24	EA	41243	KLEEN PLEAT GOLD 24X24X1 MERV 7 WITH SPOR-AX ANTIMICROBIAL				

MERV 7 Pleated 2 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
16	EA	41247	KLEEN PLEAT GOLD 12X24X2 MERV 7 WITH SPOR-AX ANTIMICROBIAL				
12	EA	40839	KLEEN PLEAT GOLD 16X20X2 PLEATED 40% EFF				
12	EA	40840	KLEEN PLEAT GOLD 16X25X2 PLEATED 40% EFF				
12	EA	40902	KLEEN PLEAT GOLD 18X24X2 PLEATED 40% EFF				
12	EA	40841	KLEEN PLEAT GOLD 20X20X2 PLEATED 40% EFF				
12	EA	41252	KLEEN PLEAT GOLD 20X24X2 MERV 7 WITH SPOR-AX ANTIMICROBIAL				
12	EA	40842	KLEEN PLEAT GOLD 20X25X2 PLEATED 40% EFF				
12	EA	40843	KLEEN PLEAT GOLD 24X24X2 PLEATED 40% EFF				

MERV 7 Pleated 4 Inch Filters

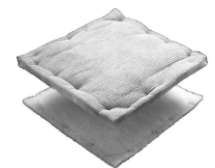
Sold in Full Cartons Only

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143	PC-4 144
8	EA	40845	KLEEN PLEAT GOLD 12X24X4 PLEATED 40% EFF				
6	EA	40846	KLEEN PLEAT GOLD 16X20X4 PLEATED 40% EFF				
6	EA	41255	KLEEN PLEAT GOLD 16X25X4 MERV 7 WITH SPOR-AX ANTIMICROBIAL				
6	EA	41260	KLEEN PLEAT GOLD 18X24X4 MERV 7 WITH SPOR-AX ANTIMICROBIAL				
6	EA	41259	KLEEN PLEAT GOLD 20X20X4 MERV 7 WITH SPOR-AX ANTIMICROBIAL				
6	EA	41012	234042024 20X24X4 KLEEN PLEAT GOLD MERV 7				
6	EA	40849	KLEEN PLEAT GOLD 20X25X4 PLEATED 40% EFF				
6	EA	40850	KLEEN PLEAT GOLD 24X24X4 PLEATED 40% EFF				

FIBERBOND MERV 7 Tri Stop Panel Filters

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			

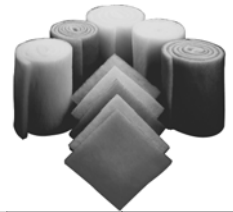
FIBERBOND 1 Ply Economy Panel Filters



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



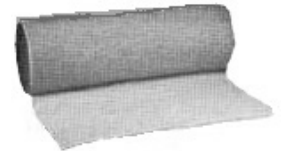
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-11	PC-2 12-36	PC-3 37-143
36	EA	40908	102020025 20X25X1 FM 100 POLYESTER PAD			
1	EA	41011	FM50 60X135X1/2 POLYESTER			

FIBERBOND Continuous Link Filters



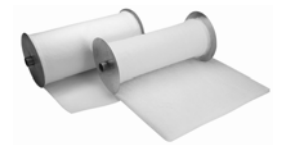
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	41267	291920094 20X87-94" CONTINUOUS LINK FILTER	
4	EA	41268	291920117 20X107-117" CONTINUOUS LINK FILTER	
4	EA	41269	291925129 25X118-129" CONTINUOUS LINK FILTER	
8	EA	41271	291920079 20X75-79" CONTINUOUS LINK FILTER	

FIBERBOND Dustlok Auto Roll



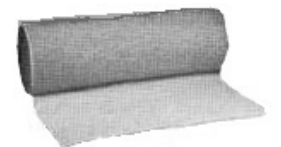
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	41263	DUSTLOK AUTO ROLL 56-3/4 IN X 65 FT (5AE)	
1	EA	41264	DUSTLOK AUTO ROLL 68-3/4 IN X 65 FT (6AE)	
1	EA	41265	DUSTLOK AUTO ROLLS 32-3/4 IN X 65 FT (3AE)	

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		

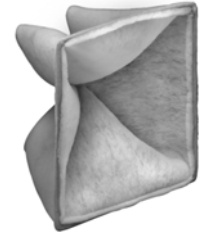
FIBERBOND Foam Service Roll Filter



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 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			

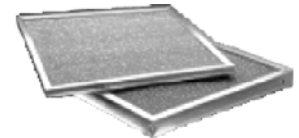
FIBERBOND Bag Filters



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			

Aprilaire EZ-Kleen Air Filters



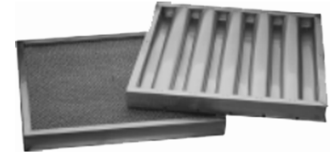
- For room air conditioners
- Lightweight aluminum
- Odor removal
- Durable, corrosion-resistant
- Easy to clean and recharge
- Traps dust, dirt, lint, pollen

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		

Aprilaire® Grease Filters

- 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	
10	EA	41122	933 16IN X 25XIN X 2IN MESH GREASE FILTER	
10	EA	41123	932 20IN X 20IN X 2IN MESH GREASE FILTER	

Aprilaire® 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		

MARS® Filter Lock Seals

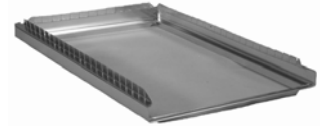
- Seals furnace and air conditioning air filter slots
- Eliminates leaks to help conserve energy
- Universal fit for 1" filter slots
- Includes 2 Filter Lock Seals
- Dimensions: 4-3/4" wide x 25" long



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25	EA	41428	93517 1IN UP TO 25IN L FILTER LOCK SEALS	



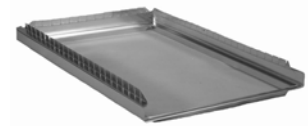
1300 Filter Racks 1 Inch



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	11698	1300 16X24X1 FILTER RACK - SCREW TYPE		
20	EA	11583	1300 16X25X1 FILTER RACK - SCREW TYPE		
12	EA	11585	1300 16X25X1 GALV FILTER FRAME W/DOOR		
6	EA	11697	1300 16X25X1 FILTER RACK W/TAB		
20	EA	11576	1300 20X16X1 FILTER RACK - SCREW TYPE		
6	EA	11590	1300 20X16X1 GLV FILTER RACK		
12	EA	11582	1300 20X16X1 FILTER FRAME W/DOOR		
12	EA	11581	1300 20X20X1 FILTER RACK W/DOOR		
20	EA	11584	1300 20X25X1 FILTER RACK - SCREW TYPE		
12	EA	11593	1300 25X20X1 GALV FILTER FRAME W/DOOR		



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 L/CTN	PC-2 F/CTN
5	EA	11591	1300 25X16X4 GLV FILTER RACK CTND		
5	EA	11592	1300 25X16X4 GLV FILTER RACK W/FILTER		



Tri-Filter Frame

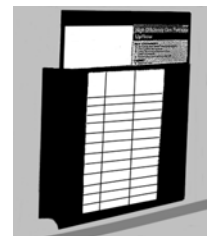


- Use 1", 2" or 4" standard filter
- Use 4" filter in combination with 1" charcoal filter
- Snap on top cover for easy service and right or left mounting
- Smooth polyethylene filter glides

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	EA	11594	1300 25X16 TRI FILTER FRAME		



Literature Holder Attach to Furnace—Features Custom Labels



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	11599	1300-SP 10X9 26GA GALV LITERATURE HOLDER		

Group 4 Installation and Service Supplies

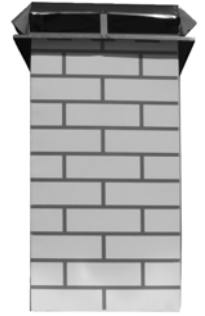
Group 4 Installation and Service Supplies

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
Installation Essentials.....	4 - 56
Duct Insulation and Supplies.....	4 - 69
Fasteners and Hangers.....	4 - 74
Sealant, Cement, and Tape.....	4 - 83
Electrical.....	4 - 89
Jobsite Extras.....	4 - 100

AIRJET Chimney Housing Kits

Authorized Distributor

- 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

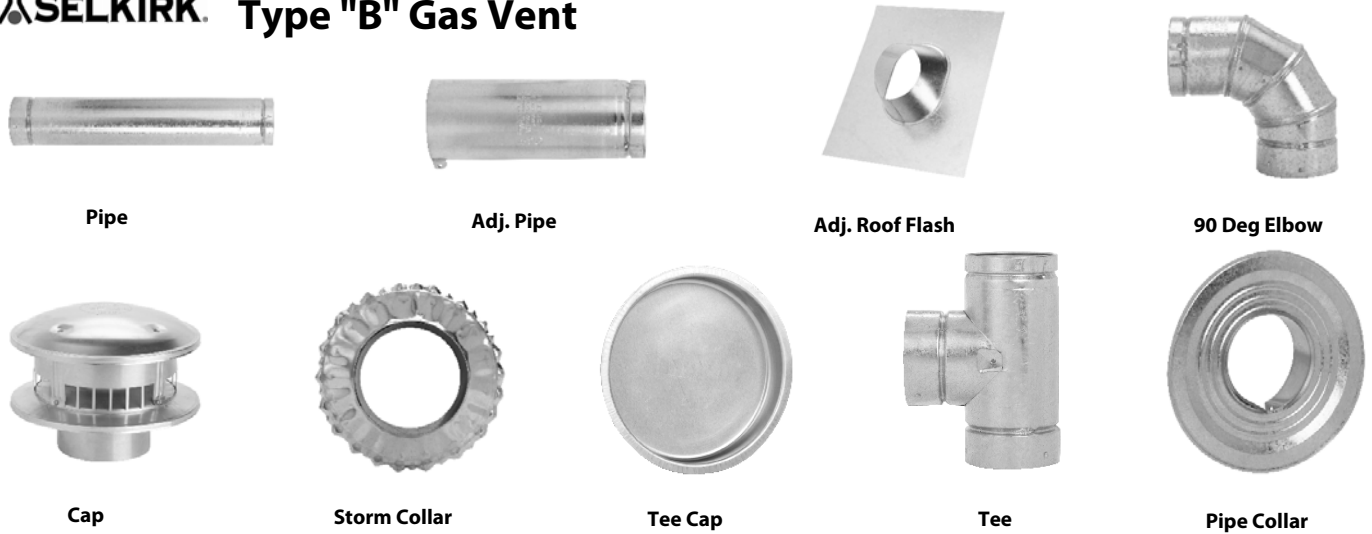
Relining Kits

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



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			

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8 Inch 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			
1	EA	28616	8RV-I10QC 8X10 INCREASER			
4	EA	29102	8RV-UAM 8IN MALE ADAPT			
4	EA	29103	8RV-UAF 8IN FEMALE ADAPT			

10 Inch 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 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			

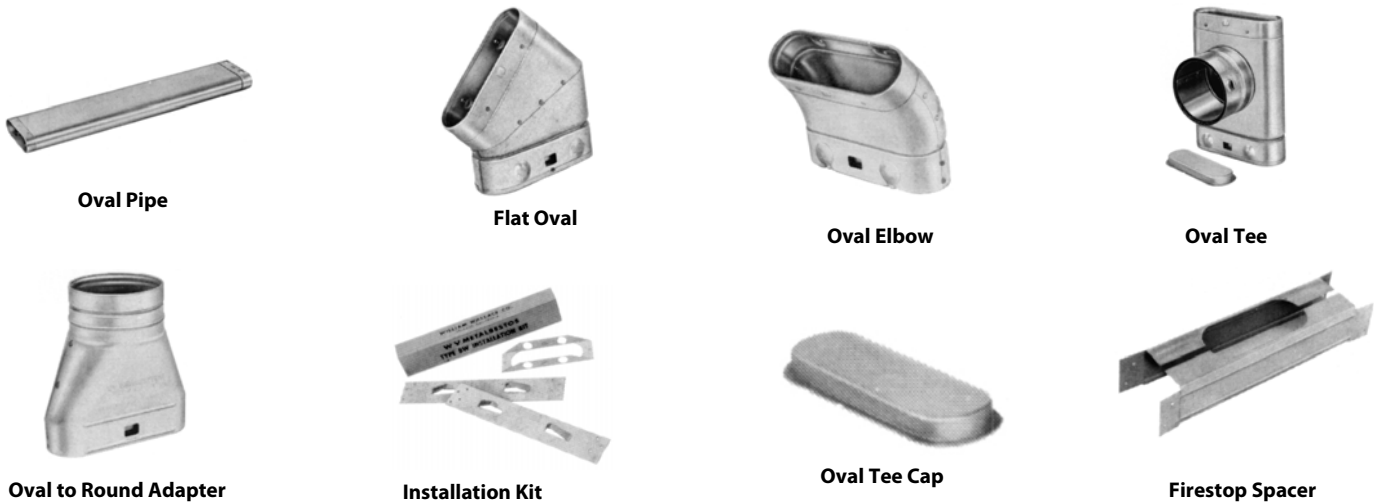
14 Inch B Vent

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 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



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, stove, etc.
- 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			

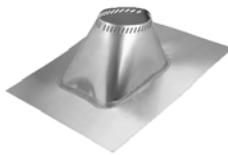
6 Inch Oval Pipe

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 Type "A" All Fuel Chimney
PLATINUMSERIES



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
2	EA	29053	6UT-9 6X9IN CHIMNEY PIPE			
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

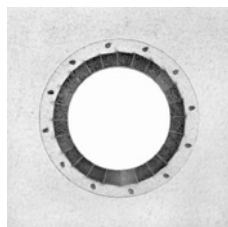
5	EA	29066	8UT-9 8X9IN CHIMNEY PIPE			
1	EA	29063	8UT-18 8X18 CHIMNEY PIPE			
1	EA	29064	8UT-36 8X36 CHIMNEY PIPE			
1	EA	28703	8DSP-CPA 8IN ADAPTER			
1	EA	29065	8T-CT 8IN CAP			
1	EA	29068	8T-FSP 8IN CEIL SUPPORT			
4	EA	29070	8T-AF6 8IN FLASHING			
4	EA	29072	8T-WB 8IN WALL BRACKET			
1	EA	29074	8T-IT 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			



Sure-Grip B-Vent Hanger



- 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.

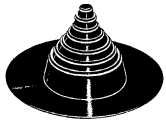
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
24	EA	23750	3MVSP 3IN VENT-FAST HANGER		
12	EA	23751	4MVSP 4IN VENT-FAST HANGER		
24	EA	23752	5MVSP 5IN VENT-FAST HANGER		
24	EA	23753	6MVSP 6IN VENT-FAST HANGER		



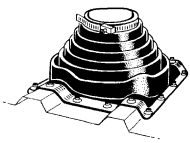
Roof Penetration Products



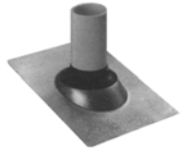
The **neoprene Retrofit Roof Penetration Seal** offers quick and easy installation, eliminating roof leaks at pipes and other roof penetrations without disconnecting the penetration. However, the Retrofit still allows for movement between the penetration and roof, while maintaining a perfect seal. The perfect seal is achieved with an integral tongue and groove, plus an overlapping flap, and is mechanically fastened with stainless steel hardware.



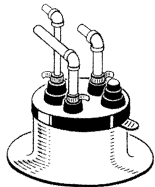
The **Pipe Boot** is an economical flashing designed for single pipe penetrations on single ply rubber roofs. The Pipe Boot's conically shaped steps will securely seal all pipes and its large double thick molded rib, at the top of each step, offers a supreme tear resistance and reinforcement as well as a cutting guide.



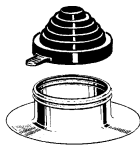
The **Deck-Mate Pipe Seal** is designed to work in conjunction with any configuration of corrugated deck. The Deck-Mate is engineered so that the aluminum, flanged base bends to any contour, deck irregularities, or roof pitches. The Deck-Mate seals watertight to the roof panel with silicone sealant and 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.

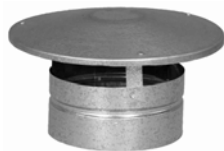


Small Round Adapters are solid 1" thick rubber which can be installed in any 2" actual diameter flexible flashing to allow the use of smaller pipe sizes. Small Round Adapter 13010 is for 3/8" OD line. Perfect for use with air conditioning and refrigeration linesets through Portals Plus C212 Alumi-Flash.

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

Member of M&G Group



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

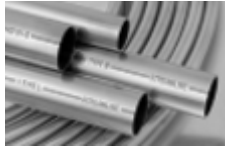
8	EA	28025	810003142 4IN X 6IN STAINLESS STEEL PIPE		
8	EA	28026	810003143 4IN X 12IN STAINLESS STEEL PIPE		
8	EA	28027	810003144 4IN X 18IN STAINLESS STEEL PIPE		
8	EA	28028	810003145 4IN X24IN STAINLESS STEEL PIPE		
4	EA	28029	810003146 4IN X 36IN STAINLESS STEEL PIPE		

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® Copper Tube
 Tube • Fittings • Valves



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	Application	Use Copper Tube Type
Underground water services	M and L	Condensate return lines	L
Water distribution systems	M	Fuel oil, LP and nat gas	L or ACR
Chilled water mains	M	Fire sprinkler systems	M and L
Radiant panel and hydronic heating	M and L	Ground source heat pump	L or ACR
Water heating and low pressure steam	M	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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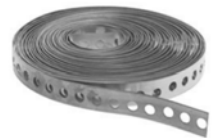
M-Tube (Hard) 20 Ft. (20 Ft. copper tube can be combined for quantity pricing. Prices available on request)

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

Streamline® Perforated Copper Tube Strap
 Tube • Fittings • Valves
25 Ft. Roll

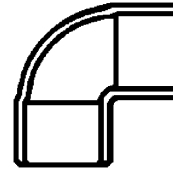


Prices Available on Request

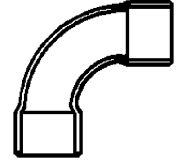
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
10	EA	54002	WS-1101 25 FT ROLL PERFORATED COPPER TUBE STRAP



Copper Sweat Fittings
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 1/8 OD 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			

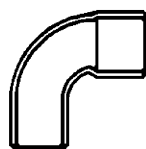
WE500L Copper to Copper, 90° Long Radius Elbows

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 5/8 OD L/R 90 DEG EL			
2	5	EA	54244	WE500L 2 1/8 OD L/R 90 DEG EL			

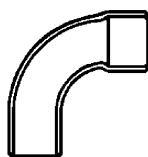


Copper Sweat Fittings

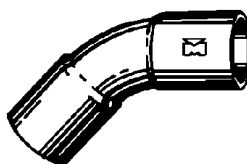
Elbows: WE503, WE503L, WE504, WE505



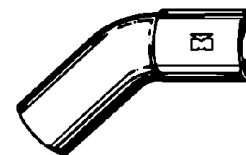
WE503



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			
2	10	EA	54321	WE503 2 1/8 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			
2	5	EA	54289	WE503L 2 1/8 OD L/R 90 DEG ST ELBOW			

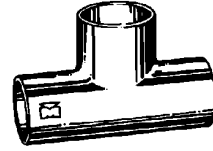
WE504 Copper to Copper, 45° Elbows

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			

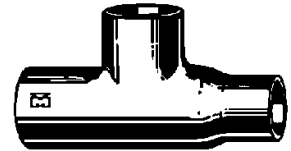
WE505 Fitting to Copper, 45° Street Elbows

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
 Tube • Fittings • Valves
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			

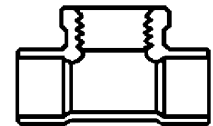
WT600R Copper to Copper to Copper Reducing Tees

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 5/8	10	EA	54362	WT600R 1 1/8X1 1/8X3/4 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
 Tube • Fittings • Valves
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			

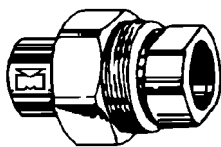
T302R Copper to Copper FPT Tees

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			

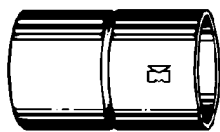


Copper Sweat Fittings

Unions and Couplings: WC407, WC400, WC400NS, WC400R



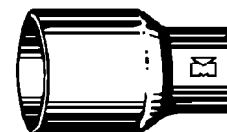
WC407



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			

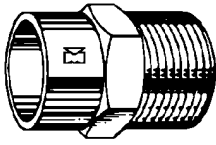
WC400R Copper to Copper Reducing Couplings

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			

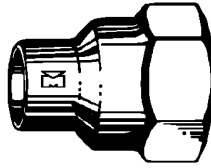


Copper Sweat Fittings

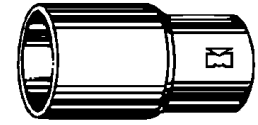
Adapters and Bushings: WC401, WC402, and WC403



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 5/8 OD X 1 1/4 MPT 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 1/8 OD 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 5/8 OD X 1 1/2 FPT ADAPTER			
2 x 2	50	EA	54468	WC402 2 1/8 OD X 2 FPT ADAPTER			

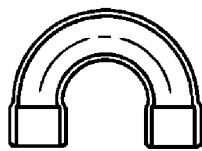
WC403R Fitting to Copper Reducing Bushings

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			

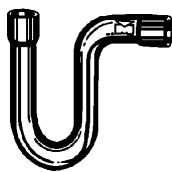


Copper Sweat Fittings

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 Tube Joining System for Refrigerant Line

LOKRING Solder-free Tube Connection System



Lokbox Tool Set



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 handles that are offset on both sides for flexible use in hard to reach areas. The easy to change assembly 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 temperatures 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	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°

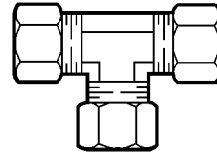
1	EA	54556	L13005112 12.7 NBK CU 50-45 1/2" LONG RADIUS 45 DEG BRASS ELBOW	
1	EA	54557	L13005114 16 NBK CU 50-45 5/8" LONG RADIUS 45 DEG BRASS ELBOW	
1	EA	54558	L13005116 19 NBK CU 50-45 3/4" LONG RADIUS 45 DEG BRASS ELBOW	
1	EA	54559	L13005117 22 NBK CU 50-45 7/8" LONG RADIUS 45 DEG BRASS ELBOW	
1	EA	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	



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



630-003



630-104



631-003



632-003

- 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		
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

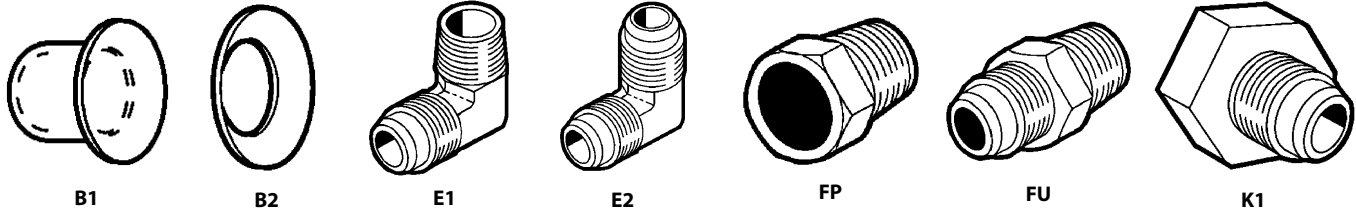
Professional Plumbing & Heating Products



- 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 DISCONNECT CLIP		
1	EA	54477	636-004 3/4" PUSH FIT DISCONNECT CLIP		
1	EA	54478	636-005 1" PUSH FIT DISCONNECT CLIP		

Streamline Brass Fittings for Refrigeration
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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		
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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	

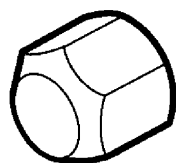
FU Fusible Half Unions, Flare x MPT

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		

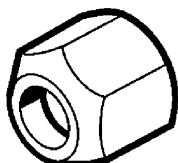
K1 Refrigerant Drum Adapters with Gasket, Flare x FPT

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		

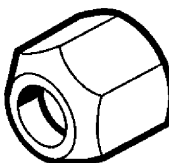
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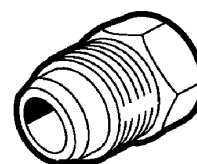
N5



NRS4



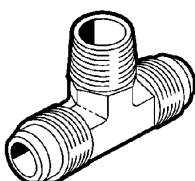
NS4



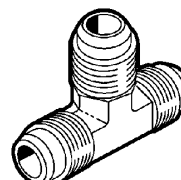
P2



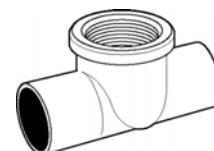
P34632



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		
15	EA	56091	P2-6 3/8 IN FLARE PLUG		

P34632 Plastic Seal Cap with O-Ring (for Brass Compressor Valves)

1	EA	54309	P34632 CAP & SEAL ASSEMBLY		
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T1 Forged Tees, Flare x Flare x MPT (Male Pipe Thread on Branch)

15	EA	56057	T1-6C 3/8X3/8X3/8 TEE		
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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		

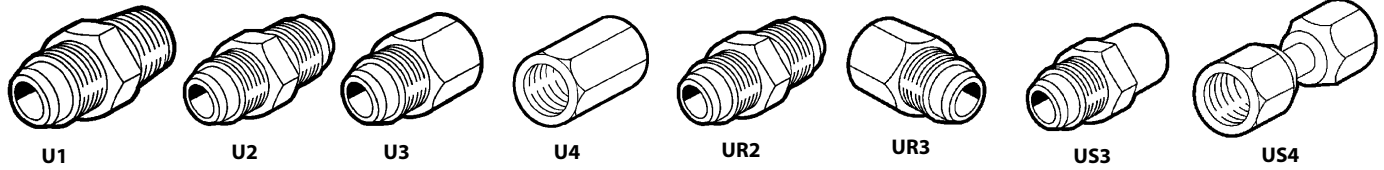
TR2 Forged Reducing Tees, Flared OD Tube All Ends

15	EA	56070	TR2-86 1/2X1/2X3/8 TEE		
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WT602 Forged Tee C x C x F

25	EA	54375	WT602 3/8X3/8X1/4 FPT TEE FORGED BRASS		
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Streamline® Brass Fittings for Refrigeration
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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

15	EA	55952	UR2-64 3/8X1/4 FULL UNION		
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 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 FLEX THERM				
378	FT	44200	6RX038058 6-5/8IDX3/8 FLEX THERM				
342	FT	44201	6RX038068 6-3/4IDX3/8 FLEX THERM				
288	FT	44202	6RX038078 6-7/8IDX3/8 FLEX THERM				
216	FT	44204	6RX038118 6-1-1/8IDX3/8 FLEX THERM				
168	FT	44206	6RX038138 6-1-3/8IDX3/8 FLEX THERM				
456	FT	44239	6RX048038 6-3/8IDX1/2 FLEX THERM				
360	FT	44240	6RX048048 6-1/2IDX1/2 FLEX THERM				
324	FT	44241	6RX048058 6-5/8IDX1/2 FLEX THERM				
270	FT	44242	6RX048068 6-3/4IDX1/2 FLEX THERM				
228	FT	44243	6RX048078 6-7/8IDX1/2 FLEX THERM				
156	FT	44245	6RX048118 6-1-1/8IDX1/2 FLEX THERM				
120	FT	44247	6RX048138 6-1-3/8IDX1/2 FLEX THERM				
114	FT	44248	6RX048158 6-1-5/8IDX1/2 FLEX THERM				
102	FT	44249	6RX048218 6-2-1/8IDX1/2 FLEX THERM				
66	FT	44250	6RX048238 6-2IPSX1/2 FLEX THERM				
36	FT	44251	6RX048348 6-3IPSX1/2 FLEX THERM				
48	FT	44252	6RX048318 6-3-1/8IDX1/2 FLEX THERM				
24	FT	44254	6RX048448 6-4IPSX1/2 FLEX THERM				
228	FT	44261	6RX068048 6-1/2IDX3/4 FLEX THERM				
180	FT	44262	6RX068058 6-5/8IDX3/4 FLEX THERM				
144	FT	44263	6RX068068 6-3/4IDX3/4 FLEX THERM				
126	FT	44264	6RX068078 6-7/8IDX3/4 FLEX THERM				
90	FT	44265	6RX068118 6-1 1/8IDX3/4 FLEX THERM				
78	FT	44266	6RX068138 6-1 3/8IDX3/4 FLEX THERM				
72	FT	44267	6RX068158 6-1 5/8IDX3/4 FLEX THERM				
60	FT	44268	6RX068218 6-2 1/8IDX3/4 FLEX THERM				
42	FT	44269	6RX068258 6-2 5/8IDX3/4 FLEX THERM				
36	FT	44270	6RX068318 6-3 1/8IDX3/4 FLEX THERM				
90	FT	44275	6RX100078 6-7/8IDX1 FLEX THERM				
66	FT	44276	6RX100118 6-1-1/8IDX1 FLEX THERM				
36	FT	44282	6RX100258 6-2-5/8IDX1 FLEX THERM				



Insul-Lock Pipe Insulation



Physical Properties

Thermal Conductivity (K)	90° F (32° C) Mean Temp	.27 (.039)
BTU (In./Hr.) Ft ² °F (W/mK)	75° F (24° C) Mean Temp	.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 SELF-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				



K-FLEX USA 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	



K-FLEX USA 374 Coating

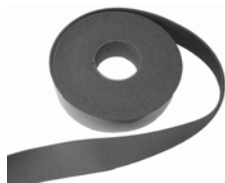


374 coating is a synthetic resin, water based material that has been designed for use on Insul-Tube® and sheet surfaces. This white coating provides a high gloss protective finish for both indoor and outdoor installations.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	44288	800-374-GAL GALLON INSULATION PROTECTIVE COATING	



K-FLEX USA 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 metallic-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-1 249	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			

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	53188	XR3T-11-12 3/4" X 3/4" X 3/4" TEE FITTING (FST-11-12)		
6	EA	53189	XR3T-16-6 1" X 1" X 1" TEE FITTING (FST-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		



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[®] 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-1001

T-1001 Forged Brass Full Port Ball Valve

Maintenance-free design with Dacromet® coated steel handle and nut for greater corrosion resistance. Fully rated ball valve. FNPT x FNPT.

T-1001NL No Lead Forged Brass Full Port Ball Valves

Maintenance-free, dual Viton® O-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

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
100	EA	53140	T-1001 1/2IN BALL VALVE		
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

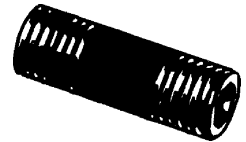
- 3/4" to 1"
- Solder connections

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
84	EA	52651	T-414 3/4IN BRONZE GATE VALVE		
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		



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			
5	LTH	53336	2-1/2IN X 10 FT 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			



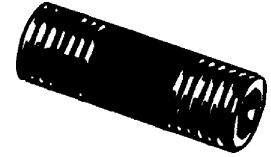
Pre-Cut Pipe



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		

Continued from the Previous Page

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		

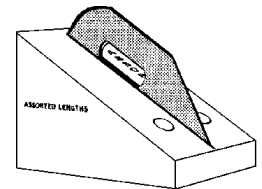
2 Inch

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

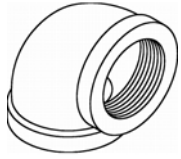
Tray for 1/2" and 3/4" nipples.



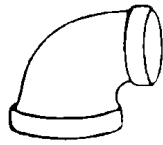
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82257	MA-T1057 1/2IN & 3/4IN NIPPLE CADDY W/DRAIN HOLES	



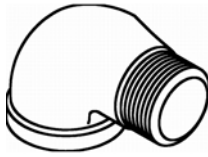
Black Pipe Fittings



90° Elbow



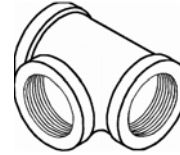
90° Reducing Elbow



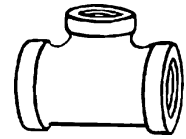
90° Street Elbow



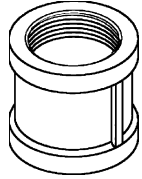
45° Regular Elbow



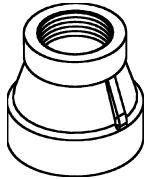
Tee



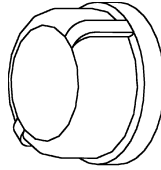
Reducing Tee



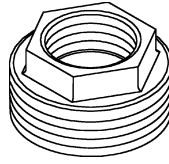
Coupling



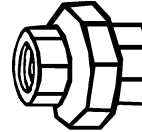
Reducing Coupling



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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Continued from the Previous Page

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

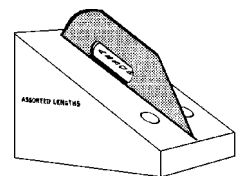
25	EA	53692	1/2IN BLK REG PLUG			
15	EA	53693	3/4IN BLK REG PLUG			
20	EA	53694	1IN BLK REG PLUG			
40	EA	53695	1-1/4IN BLK REG PLUG			
30	EA	53696	1-1/2IN BLK REG PLUG			
30	EA	53697	2IN BLK REG PLUG			
32	EA	53698	2-1/2IN BLK REG PLUG			
24	EA	53699	3IN BLK REG PLUG			

Southland Galvanized Nipples
PIPE • NIPPLES • FITTINGS

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		

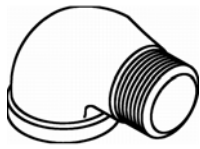
Southland Galvanized Steel Nipples In Tote
PIPE • NIPPLES • FITTINGS

Tote contains lengths from closed to 6 inches.

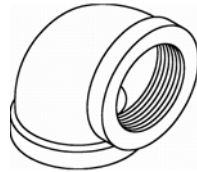


Pieces per Carton	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
60	6	EA	50133	3/4IN GALV NIPPLE TOTE		

Southland Galvanized Fittings
PIPE • NIPPLES • FITTINGS



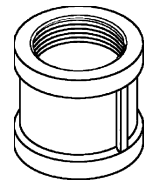
90° Street Elbow



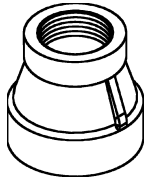
90° Elbow



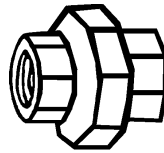
Tee



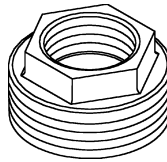
Coupling



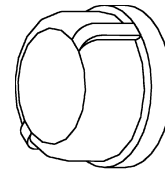
Reducing Coupling



Union



Bushing



Cap



Regular Plugs

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			
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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 Cast Iron Fittings
PIPE • NIPPLES • 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			
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Bridgit Lead Free Solder

Safe for Drinking Water Systems

- 1/8" 1 lb. spool
- Contains nickel for tremendously strong joints
- No Lead
- No Cadmium
- No Toxic Chemicals



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	55190	BRTG61 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.
- Composition: 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		



Jel-Flux™

Non-petrolatum gel type soldering flux meets ASTM B-813 for water flushable fluxes. Cleans, fluxes, retards oxide formation while heating, and enhancing solder flow. Jel-Flux is lead-free, self-cleaning, and flows easily to provide quick, complete coverage. It is specially formulated to avoid drips and runs during application. For use on most common metals except aluminum and stainless steels.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
36	EA	50712	10810 4 OZ JEL-FLUX NON-PETROLATUM GEL TYPE SOLDERING 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



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			
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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, accurate 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.

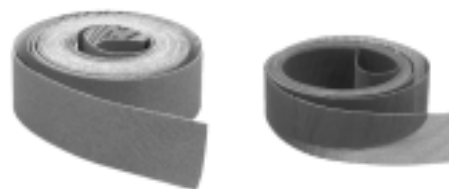
BlockadeFC

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	

DIVERSiTECH 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		

Supco 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		



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		



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		



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.

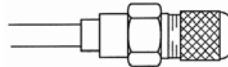
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	95971	4299-10 2IN X 3FT QUICK SEAL PIPE REPAIR		



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



A31482, A31484



A31722, A1726



A31424



A31720



A31729



A31851, A31864



A31514



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	
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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



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	

Quick Seal O-Ring Caps

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 Seating Control Valve

1	EA	55780	A33000 1/4 IN ACCESS SERVICE VALVE	
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Couplers

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	
1	EA	55823	A34000 1/4" QUICK COUPLER ACCESS TEE	
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



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

A32525N 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	54806	A32525N 1/4 IN VALVE CORE REMOVER TOOL W/PORT	



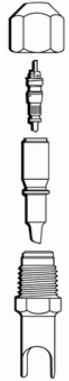
Access Core and Piercing Valve

Access Core

Steel pin with core, penetrates line and is locked into valve body in one operation, simply by tightening cap.

Piercing Valve

A copper to copper brazed line tap valve. The saddle is soldered to high or low side system tubing. The valve is then screwed into saddle to pierce the line giving access to the system through a standard access valve core. Furnished complete with 1/4" quick seal cap.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	93602	CD5514 1/4IN PIERCE VLV 6/PKG	
1	PKG	93603	CD5516 5/16IN PIERCE VLV 6/PKG	
1	PKG	93605	CD5538 3/8IN PIERCE VLV 6/PKG	
1	PKG	93601	CD5512 1/2IN PIERCE VLV 4/PKG	
1	PKG	93606	CD5558 5/8IN PIERCE VLV 3/PKG	
1	PKG	93604	CD5534 3/4IN PIERCE VLV 2/PKG	
6	PKG	93610	CD4460/6 ACCESS CORE 6/PKG	



Access Core Tools



CD3930

CD3930 Core Removal Tool

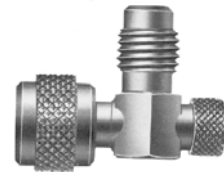
Ball valve core removal tool for use on 1/4" flare access fitting. Has 1/4" male side port for attaching hose or gauge.



CD4311

CD4311 "FasTap" Piercing Pliers

Clamp on and pierce tubing from 1/4" to 7/8". Self-sharpening piercing tip.



CD5050

CD5050 Thumbscrew Core Depressor

For 1/4" male flare.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	93611	CD3930 CORE REMOVAL TOOL (BALL VALVE)	
1	EA	93613	CD4311 "FASTAP" TUBE PIERCING PLIERS	
1	EA	93608	CD5050 THUMBSCREW CORE DEP	



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	



Bullet Piercing Valves

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	94858	BPV36 3/16IN VALVE	
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	
8	EA	94864	BPV58 5/8IN 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



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 minutes 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	



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

Vent Pipe-DWV PVC Pipe

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 10-99	PC-2 100-499	PC-3 500
1400	FT	57004	70021-N 2X10 DWV PIPE(SCH.40)			
750	FT	57006	70031-N 3X10 DWV PIPE(SCH.40)			
1500	FT	57007	310257 2 1/2X10 PVC PIPE(SCH.40)			
540	FT	57180	70041N 4X10 DWV PIPE			

Vent Pipe-DWV Cellular Core

1400	FT	57002	70021F 2X10 DWV-CELLULAR CORE PIPE(SCH.40)			
750	FT	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 (SLPXMIIP)			
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

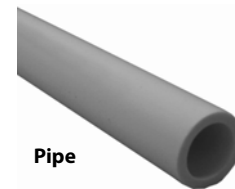
20	EA	57166	70630 3IN PVC DWV 45 EL (HUBXHUB)			
20	EA	57175	72730 3IN PVC DWV 45 ST EL (HUBXSPG)			
20	EA	57156	72936 3IN PVC DWV 90 ST EL (HUBXSPG)			
20	EA	57171	70830 3IN PVC DWV 22 1/2 EL (HUBXHUB)			
20	EA	57172	75830 3IN PVC DWV 22 1/2 EL (HUBXSPG)			
20	EA	57131	71130 3IN PVC DWV TEE (HUBXHUBXHUB)			
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

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

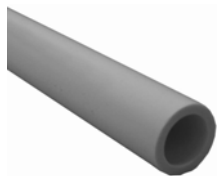


J-Trap

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
100	FT	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			



Plastic Tube and Fittings



350107



79320/79323



370407

Plastic Tube meets ASTM D-2239-83 Standards. NSF Rating is for potable water. Not rated for gas (natural or propane).

- Size: 3/4"
- Diameter: Outside: .944 Inside: .824
- Minimum Wall: .060
- Weight/100 ft.: 8.1
- Max PSI @ 73.4° F: 100
- Coil Length: 100/400

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	CL	54011	910071 3/4 IN 100 FT COIL PLASTIC TUBE	
10	EA	54014	350407 3/4 IN PLAST INSERT MALE ADAPTER	
10	EA	54017	370407 3/4 IN STEEL MALE ADAPTER	
10	EA	54021	350107 3/4 IN INSERT COUPLING	
10	EA	54026	351407 3/4 IN INSERT TEE	
10	EA	54030	350707 3/4 IN INSERT ELBOW	
10	EA	54032	351481 3/4X3/4X1/2 PLASTIC TEE	
10	EA	54034	79320 3/8X7/8 CLAMP	
10	EA	54035	79323 1/2 X 1 1/4 CLAMP	



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	

Oatey® PVC/CPVC Cement, Primer, and Cleaner



30757



30795



30821



31014

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 Clear Cement

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.

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			



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			



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 joining 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		



Wire Pipe Hooks

For 1-1/4" OD pipe or tubing (or smaller).



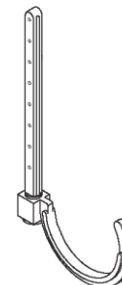
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
50	EA	13385	PWS-9 GA. 1X6 PLAIN WIRE PIPE HOOK		



Swivel Hangers

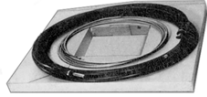
For Hanging PVC or DWV Pipe from Floor Joist

- Swivel saddle holds PVC and DVW pipe 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		

Streamline Insulated Plain End Line Sets
Tube • Fittings • Valves



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 -50FT 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 Twin Tube Mini Split Line Sets
Tube • Fittings • Valves

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	

Streamline® Line Sets with DuraGuard™ PE Insulation

Tube • Fittings • Valves



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	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	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		



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.

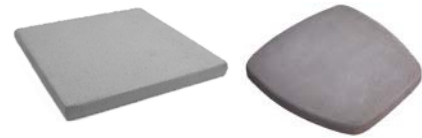
- Engineered for multi-split A/C and heat pump units
- Self sealing elastometric insulation cover available
- Rupture proof encapsulated stem

- 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 18568 CYCLEMASTER 3/8" FLARE BALL VALVE W/INSULATION COVERS	
1	EA	89585	A 18569 CYCLEMASTER 1/2" FLARE BALL VALVE W/INSULATION COVERS	
1	EA	89185	A 18570 CYCLEMASTER 5/8" FLARE BALL VALVE W/INSULATION COVERS	

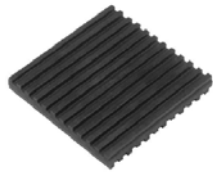
DIVERSITECH Ultralite Equipment Pads



- 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		

DIVERSITECH Anti-Vibration Mounting Pads



The EVA pad

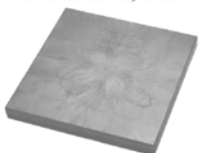
The most effective vibration dampening pad available on the market today. This enhanced performance is due to the special composite foam center. The composite foam is much more structurally sound than cork. It is not affected by oils or chemicals that can sometimes break down cork, and is much more effective 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	

DIVERSITECH 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		

DIVERSITECH 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.

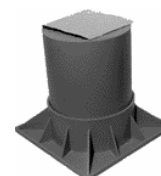


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	81284	EL10 EASY LEVELERS	



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	



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"

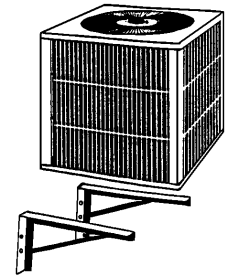
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	84820	83X87 6"-7 1/4" GRAY SCREW UP STYLE PUMP UP EQUIPMENT STAND	



Air Conditioner Mounting Bracket

The ZIPP'R air conditioner mounting bracket is made of durable, coated angle iron. Anchor bolt the bracket to the foundation above the grade line. Great for heat pumps which need to be off the ground.

- No second trip to set the air conditioner
- No waiting for grading
- No callbacks after the ground settles



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	PR	16556	1043 12INX24IN AIR CONDITIONING BRACKET		
1	PR	16553	1043 12INX42IN AIR CONDITIONING BRACKET		

Air Conditioner Concrete Anchor

Used for AC wall brackets.

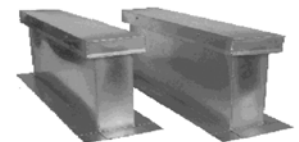


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	BOX	96220	2638334 3/8" X 3 3/4" CONCRETE ANCHORS	



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.

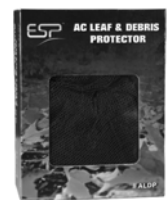


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	57430	ER-3A 8"X3' RAIL	



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 elastic 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	

MARS Disconnect Switches

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	77016	83317/O6000 60 AMP FUSED DISCONNECT SWITCH		
4	EA	77020	83321 60 AMP 3PH NON-FUSED DISCONNECT SWITCH		
6	EA	77024	83396/N3000 30AMP 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		

MARS 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 60AMP AC NON-FUSED DISCONNECT WITH GFCI RECEPTACLE COMBO	

MARS 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		

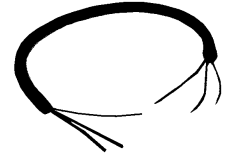
MARS Air Conditioning Whips Metal Fittings/Plastic Conduit



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		

MPS Air Conditioning Whips

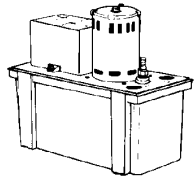
All Metal



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/W124MMET- UA 1/2X48 A/C WHIP		
1	EA	76841	84127/W126MMET- UA 1/2X72 A/C WHIP		
1	EA	76842	84126/W344MMET- UA 3/4X48 A/C WHIP		
1	EA	76843	84128/W346MMET- AU 3/4X72 A/C WHIP		

Little GIANT Pump Company Condensate Pumps



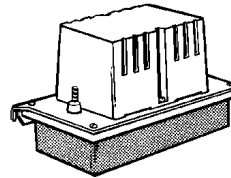
VCL-24-ULS



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	

MPS 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	



Condensate Pump



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	



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.

Y L models have drain line outlets in the long side.

Y 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.

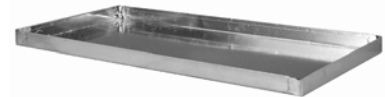
Drain Pans

Bottom Dimension (In.)	Overall 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)	

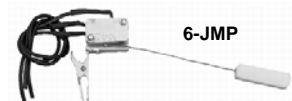
Drain Pans



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	



Drain Pan Switches



6-JMP



CC-1

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 technician to 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	

DIVERSITECH Condensate 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	63312	CS-2 CONDENSATE SWITCH - ELBOW	
10	EA	89848	CS-1 CONDENSATE SWITCH - TEE	
10	EA	89849	CS-3 CONDENSATE SWITCH - CLIP	

DIVERSITECH 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	



DTK113 Drain Trap Kit



Drain Trap Kits help manage condensate draining. The trap is made from clear PVC with durable schedule 40 PVC fittings. Simple and quick to install, drain trap kits make it easy to troubleshoot and clean the trap as needed. A variety of installation options such as multiple cleanouts, standard or deep trap, flexible cleaning brush, and float switch are included.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	97797	DTK113B DRAIN TRAP KIT	



A/C Easy Tees and Tool Kit For Condensate Drain Line Cleaning



ET75

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.

Service Tool Kit

Includes angle tool, straight tool, and compressed gas adaptor tool.



ST75

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 Safe-T-Switches



SS1

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.



SS3



SS2

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	
24	EA	89852	SS2 97637 SAFE-T-SWITCH	
24	EA	89853	SS3 97647 SAFE-T-SWITCH	

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	

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

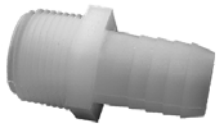
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
1	RLL	54031	MA-HDT12 1/2IN X 50FT HEAVY DUTY PVC BRAIDED DRAIN TUBING		
1	RLL	54033	MA-HDT38 3/8ID X 50FT HEAVY DUTY PVC BRAIDED DRAIN TUBING		
1	RLL	54024	MA-HDT58 5/8ID X 50FT HEAVY DUTY PVC BRAIDED DRAIN TUBING		

MARS Vinyl Drain Hose



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		

DIVERSITECH  **Drain Hose Fittings**



701-012



701-018



701-019



701-020

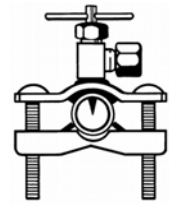


701-034

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	



T-595NL Angle Valve
1/4-Turn, Ball-Type, Chrome Supply Stops

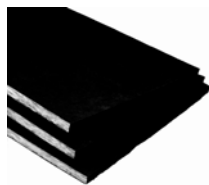


- No Lead (NL) model is suitable for all State and pending U.S. Federal Public Law (111-380) potable water installations.
- 1/4 turn, self-cleaning ball valve design resists mineral and scale build-up.
- The ball-seat and dual O-ring stem seal out-perform multi-turn stop valves.
- Cold working pressure: 125 psi.
- Not suitable for steam service.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	52710	114-614NL 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 materials.

- 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			
8.0	6.5	4	EA	40751	2 1/3X48X75 EQ DUCT WRAP			
10.3	8.3	4	EA	40756	3X48X50 EQ DUCT WRAP			



Foil Duct Insulation

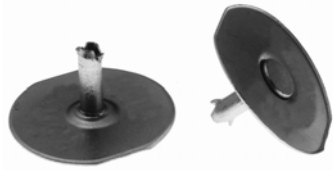
- Thermal performance unaffected by moisture
- Non-toxic and non-carcinogenic
- Approved vapor barrier protection
- Inhibits condensation, mold and fungi growth
- Reflects 94% of radiant heat



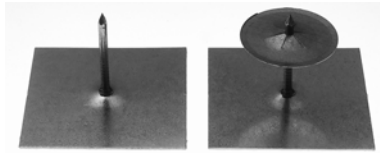
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2-4
3	RLL	41890	2290-16-032 16IN X 32FT FOIL DUCT INSULATION		
3	RLL	41891	2290-17-032 17IN X 32FT FOIL DUCT INSULATION		
2	RLL	41892	2290-24-032 24IN X 32FT FOIL DUCT INSULATION		
2	RLL	41893	2290-34-032 34IN X 32FT FOIL DUCT INSULATION		
1	RLL	41894	2290-48-050 48IN X 50FT FOIL DUCT INSULATION		



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-ONS 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 accommodate 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

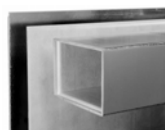
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	BOX	42079	308325 SPOT-ONS CLIPS 1,000 (DCT-100)		
1	BOX	42069	308327 SPOT-ON CLIPS 5,000 (DCB-100)		

Spot-Ons Insulation Fastener Pins

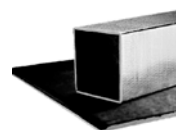
1	BOX	42070	308103 3/4" SPOT-ONS PINS 1,000 (DST-75)		
1	BOX	42080	308105 1 1/4" SPOT-ONS PINS 1,000 (DST-125)		
1	BOX	42071	308107 2" SPOT-ONS PINS 1,000 (DST-200)		
1	BOX	42072	308109 2 1/2" SPOT-ONS PINS 1,000 (DST-250)		



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 operation
- 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

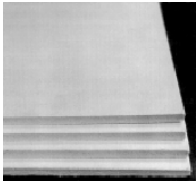
Micro-Aire

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

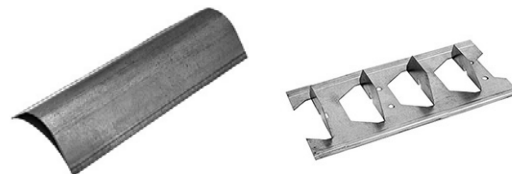


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	42047	308089 2 1/4X100' DYN-O-RAIL JR RDSL	
1	EA	42048	308088 4 X 100' DYN-O-RAIL CML	



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



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

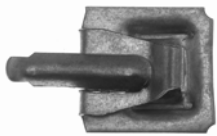
- Backup neoprene gasket

308024

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	42054	308043 1/2" DYN-A-QUAD CLAMP MATIC 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

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.



CR18

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 similar 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 A=Aluminum S=Carbon Steel M=Monel SS=Stainless Steel C=Copper	Stem Material A=Aluminum S=Carbon Steel SS=Stainless Steel	Rivet Diameter in 32nds of an inch	Maximum Grip in 16ths of an inch	Type of Head 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

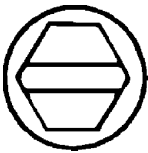


ZG365 Tapped to accept 1/4" 20 threads.

- 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.

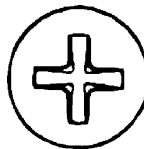
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
6	EA	40045	ZE215 INSTALLATION TOOL F/STEEL OR WOOD		
6	BOX	40088	EZG650 50 PAK 5/16-14X2-1/4 3/8-16 ROD END DRILLED WOOD HANGERMATE		

ELCO **TEXTRON** Tapcon® Fasteners



Slotted Hex Washer Head

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).



Phillips Flat Head



Carbide-tipped Drill Bit

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		



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	

HARDCAST **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	

C&S **Wire Pipe Hook**

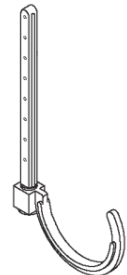
For 1-1/4 inch OD or smaller pipe or tubing.



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		

C&S **Swivel Hangers**

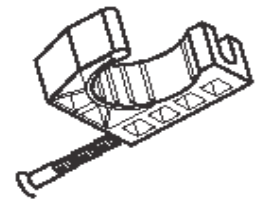
- Swivel saddle holds PVC and DVW pipe securely, yet allows for expansion and contraction
- Made of white ABS plastic
- 360° rotating feature allows pipe to hang at any angle
- Nails holes (1" apart) serve as drop markers



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		

C&S **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 strip 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



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 appearance 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	96142	79809 1/4-20X1 RND HD COMBO MACH SCREWS 25/PK	
1	PKG	96109	79838 1/4-20 FOR 1/4 BOLT HEXAGON NUT 25/PK	
1	PKG	96157	79916 1/4 FOR 1/4 BOLT FENDER WSHRS 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		



Duct Sealants



Flex Grip 550 (FG)

A water based, flexible indoor/outdoor synthetic resin duct sealant. It has the ability to accommodate minor vibration and movement. Designed for application by brush, putty knife, caulk gun, and pump. Gray.



Sure Grip 404 (SG)

A solvent based indoor synthetic rubber duct sealant that has exceptional strength, fast drying time, and unmatched flexibility. Designed for application by brush, putty knife, caulk gun, or trowel. Gray.

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			

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		



Duct Liner Adhesives



Dyn-O-Tac II (304072)

A non-flammable, water-based insulation adhesive engineered for coil line applications. It has been developed to eliminate clogging within the adhesive delivery system, ensuring consistent operation. Apply with brush, roller, or spray. Use with mechanical fasteners. White.

Coil-Tack (308582 & 308584)

Formerly Glas-Grip GG901. A water based, nonflammable insulation adhesive engineered for coil line applications. Designed for application by roller, brush, or spray. Gray (wet), black (dry).



Insta-Tack (308592)

Formerly Glas-Grip GG36SE solvent based insulation adhesive. A fast tacking, flammable (wet), self-extinguishing (dry), insulation adhesive. Designed for application by brush, roller, or spray. Red.

Roto-Tack (308574)

Mid-tack, high-yield water-based insulation adhesive. Engineered for mechanical roll coating systems that rapidly apply adhesive to insulation prior to bonding to the 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 AEROSOL CYLINDERS / 308602		
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 SLICITITE TEFLON THREAD TAPE		
12	EA	53969	95407 SLIC-TITE TEFLON STIK		
24	EA	53968	95402 1/2 PT SLIC-TITE TEFLON PASTE BIC		



Cutting Oil



30201 Clear Thread Cutting Oil

- Protection helps make sharp clean threads while extending the life of your dies.
- Formulated for hand thread cutting machines.
- Anti-mist and non-staining formula is not affected by weather.



30205 Dark Thread Cutting Oil

- Formulated for high speed cutting machines.
- A special mixture of sulfonated and chlorinated oils provides high film strength.
- Keeps machines running cooler and extends the life of your dies.
- 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		



Ultra Multi-Purpose Silicone

MP Multi-Purpose Silicone is a single component acetoxy silicone that meets the requirements for food contact applications under NSF 51. MP will cure to form a permanently elastic, high modulus, water resistant seal.

- Excellent adhesion to most building substrates
- UV-resistant
- Appropriate for general weather sealing, top sealing in glazing applications, and sealing in refrigeration and food preparation areas.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	41866	MSSA11014 ALUM ULTRA MP SILICONE SEALANT		
12	EA	41867	MSSA11010 CLEAR ULTRA MP SILICONE SEALANT		
12	EA	41868	MSSA11011 WHITE ULTRA MP SILICONE SEALANT		



High Temperature Silicone Sealant

High Temperature Silicone Sealant is a high quality elastic sealant that cures to form a vibration resistant, low modulus, water resistant seal. It has been specially formulated to resist extremely high temperatures while adhering to a wide range of materials. Tack-free Time: 17 minutes. Cure Time: 24 hours.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	41870	MSSA41013 HIGH TEMP GASKET MAKING SILICONE 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		



VIRGINIA Permagem 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		



Nu-Calgon 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 OZ 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 1403-181BX Rolled Mastic Sealant



Foil-Grip 1403-181BFX is a UL 181B-FX listed pressure sensitive, 40-year cycle, duct joint and general purpose rolled sealant. It provides an instant water resistant grip to most surfaces including sheet metal, duct board, flex duct, PVC coated duct, and duct wrap vapor barriers. Foil-Grip 1403-181BFX is suitable for subgrade application on PVC coated duct and is ideal for replacement applications.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 1-4 CTNS	PC-3 5 CTNS
16	EA	42088	AFG1403 3"X100' FOIL GRIP 1403-181BFX			



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 interleaved 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 interleaved 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 aggressive 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

Superior 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 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. For use on control boards, zone panels, thermostats, hydronics, and automatic controllers.



FTL3

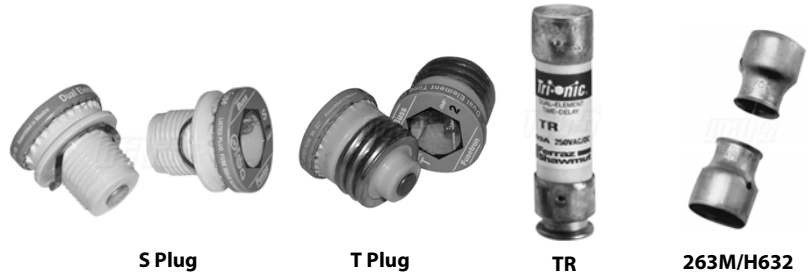
Superflex Test Lead

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	
4	EA	76810	82330 15 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	
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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)	
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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		



ATC Fuses For Automotive 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'		

MARS 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		

MARS 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	



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	
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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	
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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

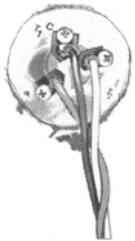
1	PKG	76660	GVA1 SMALL ASST GROMMETS 15/PK	
1	PKG	76661	GVA2 LARGE ASST GROMMETS 5/PK	

Terminal Kit in Plastic Box

1	PKG	76686	PA25 TERMINAL KIT 450/PK	
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High Temperature Wire (600V, 10 Ft.)

1	PKG	76689	WHT20 14GA 600V HI-TEMP WIRE 1/PK	
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**QwikLug™ Compressor Terminal Repair Kit**

Kit replaces damaged or corroded spade terminals and fits all standard compressor terminals. 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	

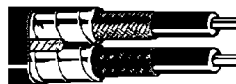
Cable Clamps

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	
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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	84257 12-2 ROMEX CABLE W/GROUND 250FT			
1	RLL	76737	84259 14-2 ROMEX CABLE W/GROUND 250FT			
1	RLL	76743	84255 10-2 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 Clad 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
- UL listed



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	76700	47105807 18-2 500' SOLID CL-2 THERMOSTAT CABLE (64162105)			
1	RLL	76701	47115807 18-3 500' SOLID CL-2 THERMOSTAT CABLE (64168805)			
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)			
1	RLL	76706	47180307 18-10 250' SOLID CL-2 THERMOSTAT CABLE (55065605)			

Honeywell Solid Plenum Wire

Genesis® Series Cable



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 Tray Cable

Genesis® Series 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 Mini Split Wire

Genesis® Series Cable

- 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 SHIELED CM (57036507)			
1	RLL	76738	12215009 16-2 500' GREY STRANDED OAS CL2 (PVC) CONTROL CABLE			

Honeywell Hybrid Thermostat Wire

Genesis® Series Cable

- Hybrid thermostat wire is constructed 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 Jacketed Metal Clad Cable

Genesis® Series 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			

Honeywell THHN Stranded and Solid Wire

Genesis® Series Cable



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	76745	10825004 500' 10AWG STR THHN 600V 5C RL RED WIRE (22975701)			
1	RLL	76746	10825001 500' 10AWG STR THHN 600V 5C RL WHITE WIRE (22974001)			
1	RLL	76748	10825005 500' 10AWG STR THHN 600V 5C RL GREEN WIRE (22977301)			
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)			
4	RLL	76759	22964101 500' 12AWG STR THHN 600V 5C(4P) RL BLK WIRE (22964101)			
1	RLL	76760	10815408 500' 12AWG STR THHN 600V 5C(4P) RL BLK WIRE (22968201)			
1	RLL	76765	10805404 500' 14AWG STR THHN 600V 5C(4P) RL RED WIRE (22957501)			
1	RLL	76766	10805401 500' 14AWG STR THHN 600V 5C(4P) RL WHT WIRE (22956701)			
1	RLL	76767	10805408 500' 14AWG STR THHN 600V 5C(4P) RL BLK WIRE (22955901)			
1	RLL	76768	10805405 500' 14AWG STR THHN 600V 5C(4P) RL GRN WIRE (22958301)			



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			



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		

MARS 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			

MARS Insulated Plastic Staples



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	BAG	42985	70401 INSULATED PLASTIC STAPLES 50PK	

MARS 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			

MARS[®] Electrical Boxes



84712 and 84798



84797



84799



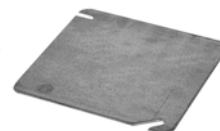
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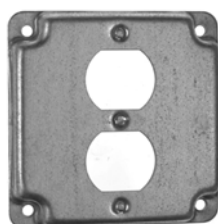
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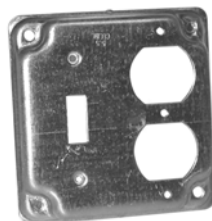
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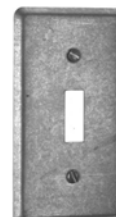
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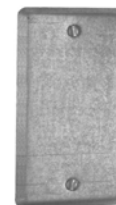
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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 5 CTNS
10	EA	76904	84712 / 8600 TOGGLE SW BROWN			
10	EA	76899	84797 / 8615 GRD DUP RECEPT IVORY			
10	EA	76907	84798 / 8601 TOGGLE SW IVORY			
10	EA	76910	84799 15A 120/277V 1P IVORY 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			

DIVERSITECH[®] 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		

MARS 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	

MARS 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	

Milwaukee 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	



Elite Performance Windshield Washer Fluid

Elite Performance offers maximum freeze protection to prevent damage to wash lines and safeguard against windshield re-freeze. Independently tested to provide freeze protection to -20° F. Don't take chances with generic washer products, only Elite Performance offers certified protection.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	91401	61115 CAWW1G 1 GAL WASHER CLEANER WINDSHEILD		

Nu-Calgon Great Wipes Hand Towels

- Industrial strength waterless hand towels
- One side for everyday messes, one side for heavy duty 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		

ClenHands Orange Crush Hand Cleaner

ClenHands Orange Crush is a premium citrus-based hand cleaner that quickly dissolves all hard-to-remove soils. It is enhanced with fine-ground pumice and is formulated with nine skin care ingredients.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	91404	61203 2215 15 OZ CLENHANDS ORANGE CRUSH W/PUMICE		

WypAll Shop Towels

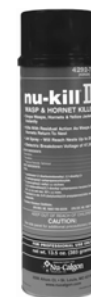
- Durable for demanding jobs.
- Strong even when wet.
- 4-ply tissue wiper traps dirt and absorbs liquids quickly.
- Made with 100% recycled paper.
- 9-3/4" x 16-3/4" in pop-up box.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	BOX	40108	79105 / 19099 TERI WIPES 125/BOX	

Nu-Calgon 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

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Nu-Calgon Aerosol Cleaners



CalClean

Aerosol coil cleaner for condensers and evaporators. Heavy-duty detergent for all types of equipment.

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.

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, to powerfully separate undesirable 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.

A/C Shine

A/C Shine is specially formulated to clean and protect the painted metal surfaces 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.

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.

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	90178	4082-03 11 OZ AEROSOL CAN ELECTRICAL CONTACT CLEANER		
6	EA	90180	4083-75 17 OZ AEROSOL CAN DEGREASING SOLVENT EF		
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		
12	EA	91403	61118 ACS12 12 OZ A/C SHINE-CLEANER/PROTECTANT		
6	EA	96013	4294-75 NU-SHIELD		

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-Brite



Acti-Klean

Acti-Brite

Acid based cleaner effectively foams away stubborn deposits from air-cooled condensers and coils. Expanding foam pushes contamination out of condenser and is easily rinsed away with water. Eye and hand protection is required with use.

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 quite 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



FM-1

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 ratios for standard cleaning jobs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
4	EA	95938	AB1 1 GALLON ACTI-BRITE PREMIUM COIL CLEANER		
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 Merspol®. 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		

RECTORSEAL Renewz Coil Cleaner

Non-acid foaming cleaner and brightener for condenser coils.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	50729	82644 1 GALLON RENEWZ FOAMING NON-ACID 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		
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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	95984	4613-Y8 MICRO PLUS 8 (50 GAL/DAY) ICE MACHINE FILTRATION TREATMENT		
6	EA	95985	4614-Y8 MICRO PLUS 16(100 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		
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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		



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, chlorine, iron, off tastes and odors
- Capacity: 600 gallons @ 150 ppm
- Maximum Flow: 0.5 gpm
- Working Pressure: 10–125 psi, non-shock
- Maximum 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, 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 L/CTN	PC-2 F/CTN
6	EA	96012	4151-08 COMPLETE CARE MINI-SPLIT KIT		

Nu-Calgon Scale Removers



Liquid Scale Dissolver

A hydrochloric (muriatic) acid that is formulated to remove calcium scales from cooling towers and other water cooled equipment. It contains low-foaming corrosion inhibitors and a built-in pH color indicator. pH test paper is also included.



Calci-Solve

An amazing RD-188 forms a protective coating on pipes, drains, and equipment while acid action 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.

1 Gallon

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
4	EA	95454	4134-08 1 GAL CALCI-SOLVE SCALE REMOVER		
4	EA	95969	4330-08 1 GAL LIQUID SCALE DISSOLVER		

5 Gallon

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95968	4330-05 5 GAL LIQUID SCALE DISSOLVER	

Nu-Calgon Degreasing Solvent



This environmentally friendly degreasing solvent is ozone-safe. It is a volatile solvent that provides effective degreasing and cleaning as well as controlled drying with absolutely no residue. It has a dielectric strength in excess of 26,000 volts. It is suitable for cleaning electrical and electronic equipment, parts, and motors.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	90195	4162-07 1 GAL DEGREASING SOLVENT EF		



Greze-Off



Greze-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. Greze-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		



Nu-Calgon 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		



Nu-Calgon 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		



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		



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		

CLIGHT **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 downtime and line set flush.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	93023	981 SUPER CHANGE UP TO 6 TONS FIT SYSTEM RETROFIT	

DIVERSITECH **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	

Nu-Calgon **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	PKG	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 form deposits 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	90246	4185-03 3TON (12 TABLETS TUBE) GEL TABS DRAIN PAN TREATMENT		
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		

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 Plus is a completely-soluble, moisture-activated condensate pan treatment, that leaves no dispenser, bag or residue to be removed.

Features

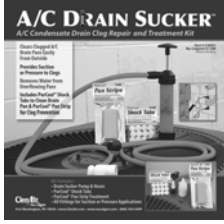
- Condensate activated
- Time released
- No residue or waste
- Combats offensive odors
- Stays in place
- Safe



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 CLENAIR ORIGINAL ODOR NEUTRALIZER		
4	EA	91391	61004 1503 3 LB TUB ODOR NEUTRALIZER		
12	EA	91392	61010 1800D 1/2 LB CHERRY CLENAIR 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
6	EA	91397	61060 1502 3 TON HVAC SYSTEM ODOR BLOCK		
2	EA	91398	61061 CA1015 10-15 TON HVAC SYSTEM COMMERCIAL ODOR BLOCK		



Nu-Calgon Leak Detectors for Gases, Refrigerant, and Heat Exchangers



4180-53



4182-08



4182-24

Clear Gas Leak Detector

A high viscosity liquid. Freeze point of below 0° F.

Cal Blue

High viscosity to enhance contact time. Non-corrosive, oxygen safe, and freeze-protected to 5° F.

Cal Blue Plus

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.



4182-53



4183-24



4184-24

Cal Blue Low Temperature

High viscosity, non corrosive, and oxygen safe. Freeze protected to -20° F.

Flourescent Gas Leak Detector

Suitable for high and low temperature applications. Suitable for most refrigerants, natural gas, and oxygen systems.

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		
24	EA	90188	4182-53 6 FLUID OZ WITH DAUBER CAL BLUE PLUS GAS LEAK DETECTOR		
6	EA	95977	4183-24 1QT SPRAY BOTTLE CAL-BLUE LT GAS LEAK DETECTOR LOW TEMP		
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		



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



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	

CLIGHT 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 distributes 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 BLUE UNIVERSAL CAN TAPPER CHARGING HOSE	

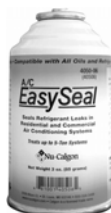
Nu-Calgon EasySeal Refrigerant Leak Sealant



4050-01



4050-02



4050-06



4051-99



4050-07, -08

A/C EasySeal prevents and repairs leaks in A/C 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
- 4050-02 two 4050-06 cans and one 4051-99 hose
- 4050-06 treats systems from 1-1/2 to 5 tons
- 4051-99 is a reusable piercing valve and charging hose

4050-07,-08 Easy Seal Direct Inject is a new generation of easy-to-install sealants. The patent pending injection method eliminates the need to pump down the unit.

- Clear tube so you can see the sealant being injected
- Treats 1-1/2 to 54 tons
- No injection hose or caulk gun needed
- Concentrated formula means less material in system

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		
1	EA	90749	4050-02 2+1 DISPLAY PACK A/C EASYSEAL		
6	EA	90750	4050-06 3 OZ PRESSURIZED CAN A/C EASYSEAL		
1	EA	90203	4050-07 BULK 6 PACK EASY SEAL DIRECT INJECT		
6	EA	90201	4050-08 EASY SEAL DIRECT INJECT		
1	EA	90752	4051-99 A/C PIERCING VALVE & HOSE		



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	00286 1.5 OZ 1/4 IN ADAPTER A/C LEAK FREEZE W/MAGIC FROST	
12	EA	95906	00282 1.5 OZ A/C LEAK FREEZE W/MAGIC FROST CARTRIDGE	
12	EA	95904	00284 1.5 OZ 1/4 IN ADAPTER A/C LEAK FREEZE	
12	EA	95905	00280 1.5 OZ A/C LEAK FREEZE CARTRIDGE	

CLIGHT 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/C systems 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	D-944KIT 1 1/2T UP TO 5T SUPER SEAL	
12	EA	93018	D-946KIT AUTOMOTIVE ONLY SUPER SEAL PRO/PREMIUM	

CLIGHT 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 EACH
12	EA	93022	972KIT SYSTEMS 1.5T UP 5T SUPER SEAL TOTAL W/DRY R	

Nu-Calgon EasyDry Moisture Eliminator

- 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



4051-06



4051-99

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		

Nu-Calgon Break-N-Lube

This advanced technology 4-in-1 product is made with CERFLON® for high performance in a non drying penetrating lubricant. It has the ability to penetrate, lubricate, displace moisture, and provide superior resistance to corrosion.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	90179	4128-03 12 OZ AEROSOL CAN AEROSOL BREAK-N-LUBE		



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, plastic 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	

Parker VIRGINIA 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	

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Group 6 Refrigeration

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Honeywell Refrigerant

Genetron® Refrigerants

- Deposit required on 125 lb. cylinders.
- Price of R-23 includes CFC excise tax.

Air Conditioning (Commercial and Residential)

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
40	EA	90048	R-22 30 LB REFRIGERANT
24	EA	90052	R-22 50 LB REFRIGERANT
8	EA	90061	R-22 125 LB REFRIGERANT
1	EA	90062	R-22 125 LB CYL DEPOSIT
40	EA	90038	R-124 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

Commercial Refrigeration Low and Medium Temperature Interim HCFC-Based Replacements

1	EA	90060	HP-81 (R402B) 13 LB REFRIGERANT
40	EA	90040	R-402A (HP80) 27 LB REFRIGERANT
1	EA	90064	R-402A (HP80) 110 LB REFRIGERANT
1	EA	90065	R-402A (HP80) 110 LB CYL DEPOSIT
40	EA	90023	R-408A (FX10) 24 LB REFRIGERANT
8	EA	90024	R-408A (FX10) 100 LB REFRIGERANT
1	EA	90025	R-408A 100 LB CYL DEPOSIT

Low and Medium Temperature Long Term HFC-Based Replacements

1	EA	90085	AZ-50(R507A) 100 LB CYL DEPOSIT
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

Medium Temperature Interim HCFC-Based Replacements

40	EA	90070	MP-66 (R401B) 30 LB REFRIGERANT
40	EA	90039	R-401A (MP39) 30 LB REFRIGERANT
40	EA	90056	R-409A (FX56) 30 LB REFRIGERANT

Medium Temperature Long Term 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
1	EA	90081	R-422D 25 LB REFRIGERANT

Very Low Temperature Long Term Replacements

1	EA	90014	R-23 70 LB REFRIGERANT
1	EA	90015	R-23 70 LB CYL DEPOSIT
1	EA	90006	SUVA 95 (R508B) 10 LB REFRIGERANT
1	EA	90007	SUVA 95 (R508B) 10 LB CYL DEPOSIT
1	EA	90008	SUVA 95 (R508B) 20 LB REFRIGERANT
1	EA	90009	SUVA 95 (R508B) 20 LB CYL DEPOSIT
1	EA	90010	SUVA 95 (R508B) 70 LB REFRIGERANT
1	EA	90011	SUVA 95 (R508B) 70 LB CYL DEPOSIT

ICOR International 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 potential, non-toxic, and nonflammable
- Suitable for new and existing equipment
- Can be topped off repeatedly
- Suitable for use with HFC leak detectors

Hot Shot R-12 Replacement

Hot Shot 2 is an ozone safe, reliable, and affordable HFC replacement for R-12 and other R-12 interim replacements. One advantage to retrofitting to Hot Shot 2 is that you do not need to perform a costly and time consuming compressor oil change. Hot Shot 2 is fully compatible with all compressor oils.

NU-22B R-22 Replacement

NU-22B is the most practical and natural choice for the replacement of HCFC-22. It is the only HFC based R-22 replacement that is compatible with synthetic and mineral oils (MO, AB, POE). NU-22B has also proven to be compatible with all standard equipment components and materials used in R-22 manufactured systems. After conducting over one thousand hours of compressor wear testing, NU22B has proven to be fully suitable for use in scroll, screw, rotary and reciprocating compressors. NU-22B is non-toxic and non-flammable.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
1	EA	90079	R-422C 24 LB ONE SHOT REFRIGERANT		
1	EA	90241	HOT SHOT 2 25LB HFC R-12 REPLACEMENT		
1	EA	90071	NU-22B (R-422B) 25 LB REFRIGERANT		
8	EA	90242	NU-22B (R-422B) 110LB REFRIGERANT		
1	EA	90243	NU-22B 110LB CYL DEPOSIT		



Liquid Charging Adapter

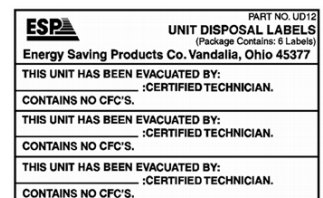
Liquid charging is recommended when charging blends into refrigeration and air conditioning systems, and a liquid charger adapter is necessary for safe and fast liquid charging through the low side of the system.



- 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 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	90100	1000# DOT RECOVERY CYLINDER WITH GAUGES	
1	EA	90152	1000# DOT RECOVERY CYLINDER 400PSI STEEL HIGH PRESSURE	

NOTE: Tanks for use with R400A must be rated 400 PSI.

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

150	6	EA	90123	4308-07 1 GAL ZEROL 200TD ALKYL BENZENE REFRIGERATION OIL		
140-160	6	EA	90121	4310-07 1 GAL ZEROL 150 SUS ALKYL BENZENE REFRIGERATION OIL		
290-310	6	EA	90122	4311-07 1 GAL ZEROL 300 SUS ALKYL BENZENE REFRIGERATION OIL		

Copeland® 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	6	EA	96629	998-E022-01 1 GALLON COPELAND POE OIL	

Alkylbenzene Oil

200	6	EA	96631	998-AB52-01 1 GALLON COPELAND ALKYL BENZENE OIL	
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The Shield™ Refrigerant Locking Caps and Tools



SHLD-U4



SHLD-3

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-Bit

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



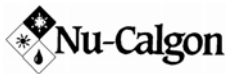
SHLD-Multi

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	54815	SHLD-MULTI UNIVERSAL LOCKING CAP KEY	
1	EA	54814	SHLD-3-DRIVER MAGNETIC STUBBY DRIVER W/BIT	
1	PKG	54813	SHLD-BIT SHIELD TAMPER PROOF BIT 2-PK	



A/C Re-New Compressor Lubricant Use with POE, Mineral, and Alkylbenzene Oils



4057-52



4057-99



4057-50



4057-55

Features

A/C Re-New (formerly Zerol-Ice), improves the performance of air conditioning and refrigeration systems.

- Quiets noisy compressors
- Reduces energy consumption
- Improves heat transfer in the evaporator and condenser
- Great for new and old systems
- Use multiple cans for systems larger than 5 tons

Specifications

- 4057-50 6 oz pressurized can is for R-22 systems up to 5 tons
- 4057-55 4oz can unpressurized R410A AC RE-NEW COMPRESSOR LUBRICANT
- 4057-52 start-up kit contains 2 cans of 4057-50 and one 4057-99 injector tool
- 4057-99 injector tool has a capacity of 4 oz and can be used for amounts less than 4 oz. It can also be used with other injectable products. Maximum working pressure: 600 psi.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
6	EA	96004	4057-50 R-22 OR R-410A PRESSURIZED 6OZ AC RE-NEW COMPRESSOR LUBRICANT		
6	EA	96006	4057-55 4OZ CAN UNPRESSURIZED R410A AC RE-NEW COMPRESSOR LUBRICANT		
1	EA	96005	4057-52 R-22 2+1 START-UP KIT A/C RE-NEW COMP LUBRICANT		
1	EA	90747	4057-99 A/C RE-NEW INJECTOR TOOL		



QwikProducts™ Refrigerant Acid Test and Treatment Products



QwikCheck® Acid Test Kit
Perform a Qwik acid test on operating systems. Ideal for preventative maintenance checks or for verifying acid clean-up after a compressor burn-out, change-out.

- 5-second refrigerant acid test.
- Simple color change indicates acid.
- Works with all refrigerants and oils.
- Meets EPA venting rules.



QwikInjector® Service Tool
Use this simple tool to inject QwikShot acid treatment into operating systems. This tool is to be used with an ordinary gauge set.



QwikShot® Refrigerant/Oil Acid Treatment

Carries unwanted acid into the filter/dryer where both the acid and the QwikShot are removed without leaving any residue. Other treatments neutralize acid, but always form a salt residue that may cause equipment problems and/or invalidate a warranty.

- Safe for all systems.
- Concentrated. Includes four treatments per box (Up to a 12-ton unit).
- Works with all refrigerants and oils.



Qwiklug™ Compressor Terminal Repair Kit

- A quick and simple method to attach leads to damaged compressor terminals.
- Easily attaches to damaged or corroded spade connectors.
- Tightens quickly from the front with Phillips screwdriver.
- Nylon connectors prevent possible short circuits.
- Provides a durable connection; tested for over 100,000 compressor starts.
- Available with 10AWG or 12AWG leads in 2 ft. lengths.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
50	EA	90134	QT2000 QWIKCHECK ACID TEST KIT	
6	EA	90135	QT2500 QWIKSHOT ACID REMOVAL	
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	



EMERSON
Climate Technologies

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		



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[®] General Notes
brand products

- 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

Copeland[®] **Bill of Material** brand products **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-**X**xx **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-x**X**x **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-xx**X** **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-xxx**L**-xxx-xxx: L = Shipped to OEM less oil. Oil added by OEM.

xxxx-xxx**E**-xxx-xxx: E = Compressor charged with Ultra 22 CC Polyol Ester Lubricant.

xxxx-xxx**A**-xxx-xxx: A = Compressor charged with Ultra 200 Alkybenzene Lubricant.

Compressors without any of the above designations are charged with approved mineral oil.

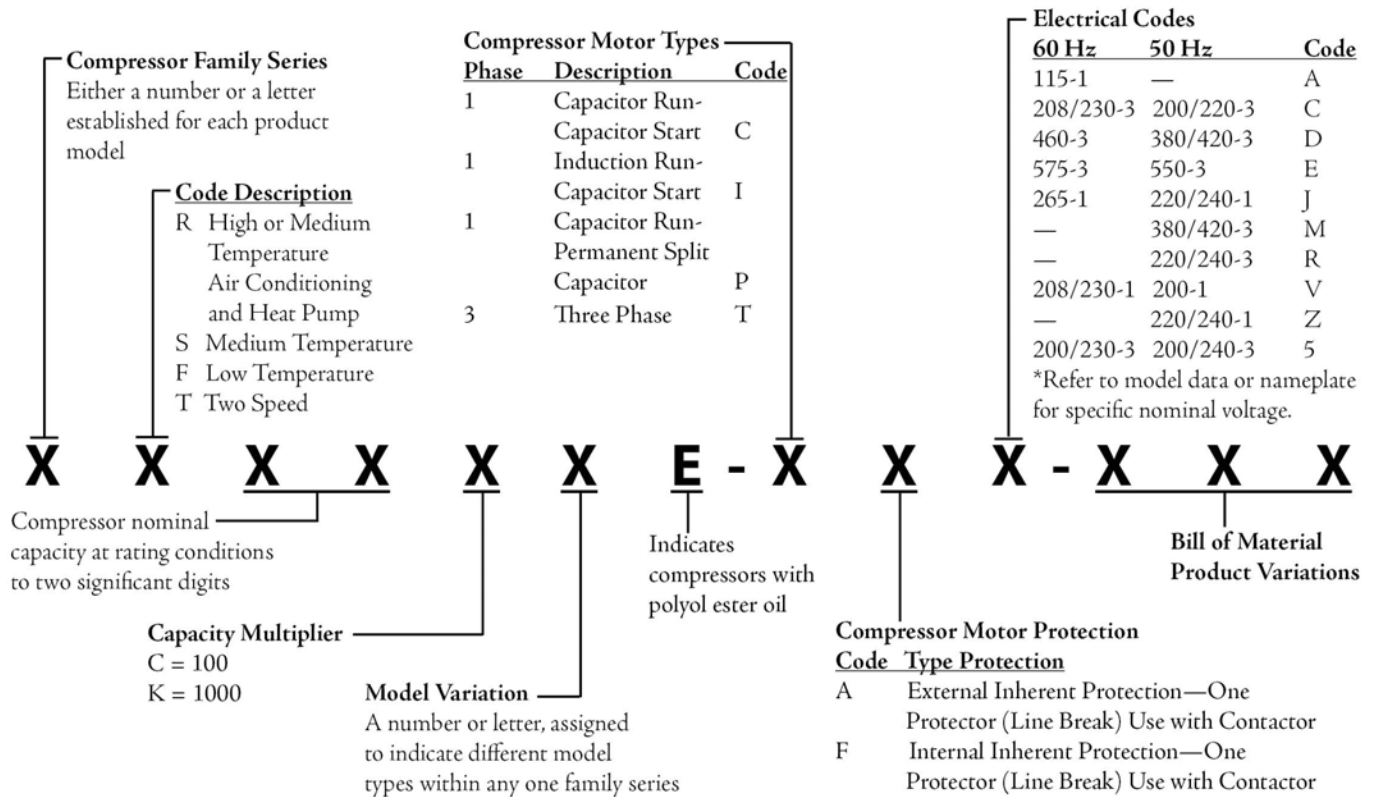
Copeland Warranty Information

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).

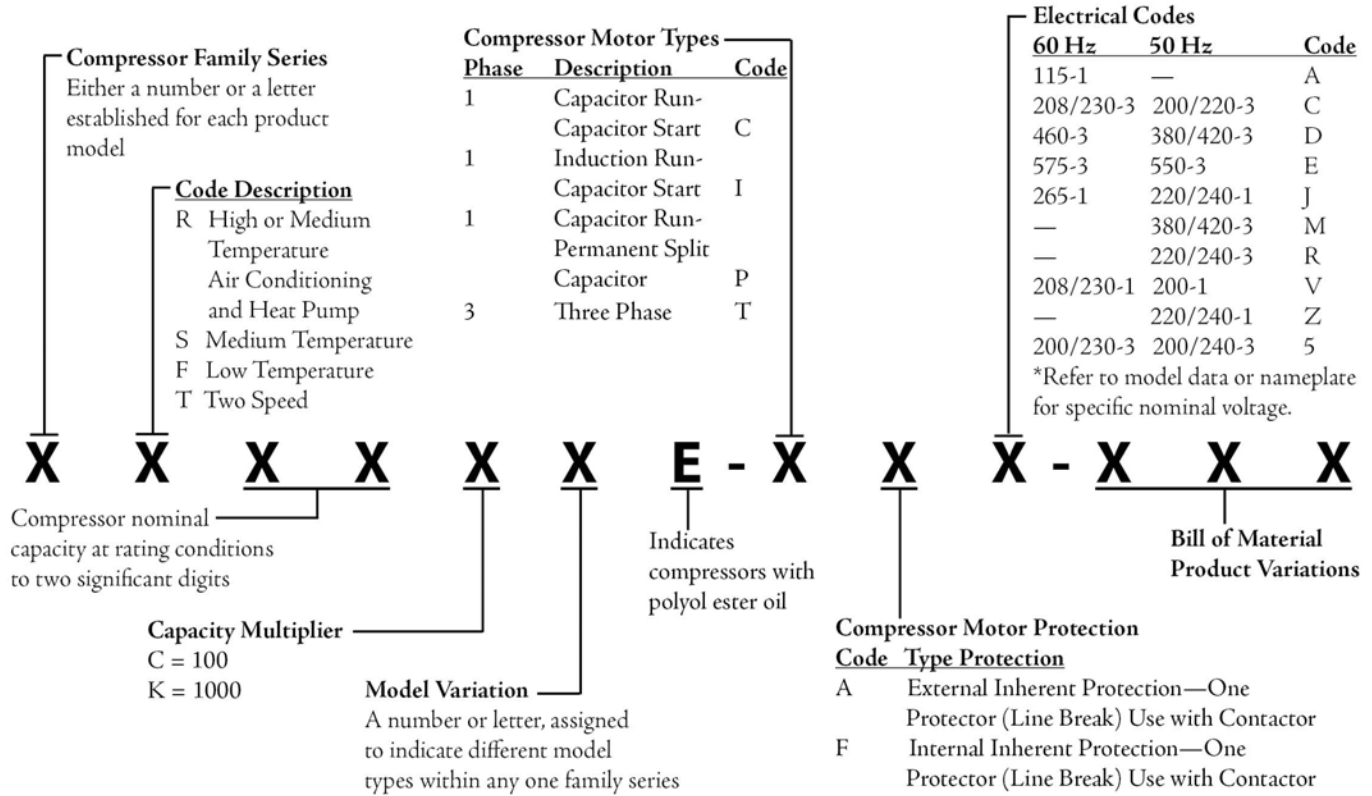
Copeland has determined that a single-phase motor burn is the result of the malfunction or misapplication of the system contactor(s). Copeland does not warrant 4, 6, or 8 model semi-hermetic service compressors that are determined to have a single-phase motor burn. This applies only to service compressors 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.

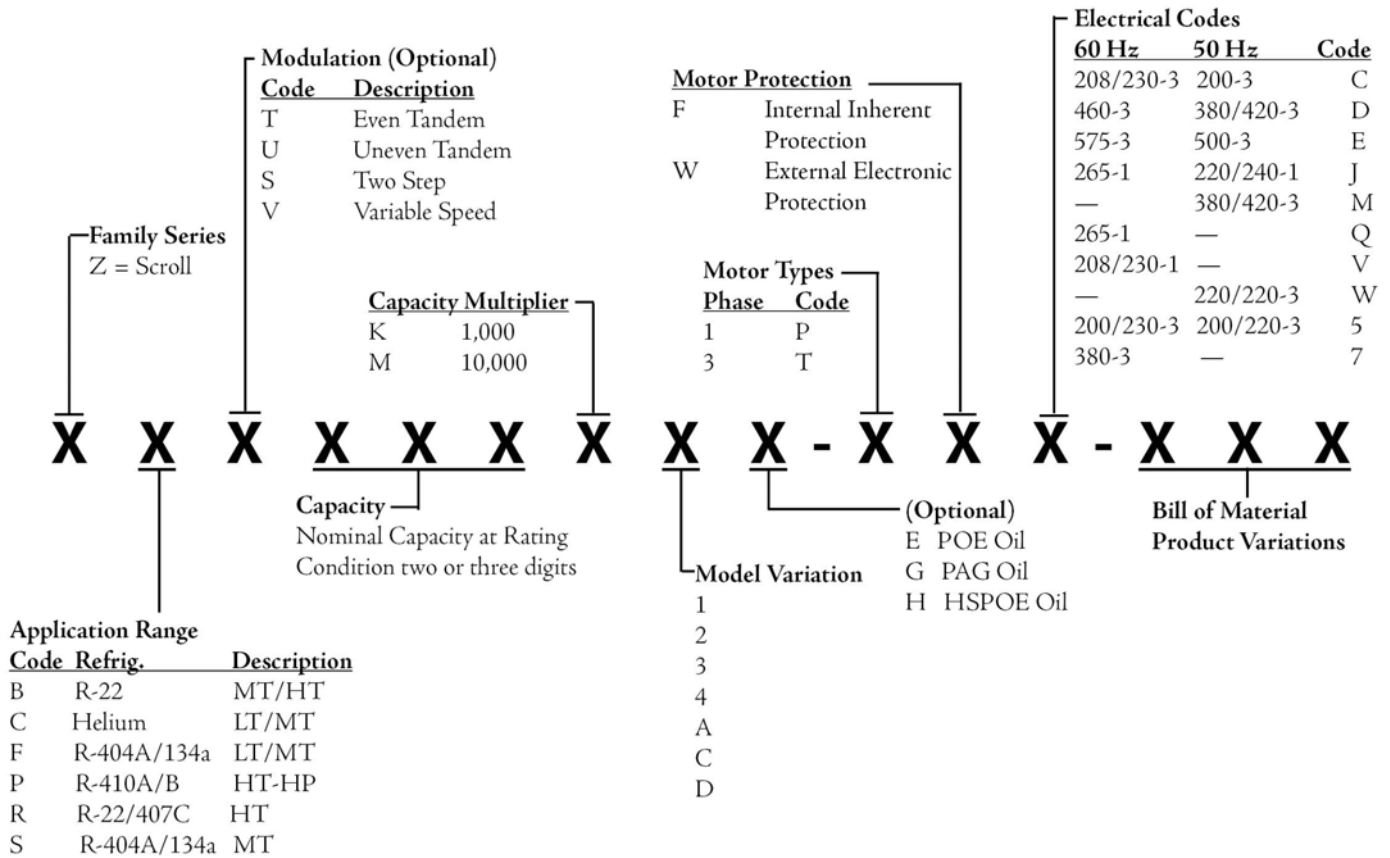
Copeland® Copelaweld® Nomenclature



Copeland® Copelaweld® HFC Nomenclature
brand products



Copeland brand products **Copeland Scroll™ Nomenclature**



Copeland brand products **Copelametic® and Old Discus® Model Nomenclature**

		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

Copelametic Compressor Model Type	
<u>Code</u>	<u>Description</u>
W	Std. Water Cooled

Water-Cooled	
<u>Code</u>	<u>Description</u>
D	Discus Refrigerant Cooled

Air-Cooled	
<u>Code</u>	<u>Description</u>
A	Std. Air Cooled

Refrigerant-Cooled	
<u>Code</u>	<u>Description</u>
R	Std. Refrig. Cooled
T	Two-Stage

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 X

Compressor Family Series
 Either a number or a letter established for each product model

Displacement and Valve Plate
 A letter only, arbitrarily assigned for each different displacement valve plate combination within any one family series

Model Variation
 A number only, assigned to indicate major variations within any one family series

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

Compressor Cooling
Code Description

A	Air Cooled
D	Discus
R	Refrigerant Cooled
T	Std. Two Stage
W	Water Cooled

Application Range

R = ARI High/Med Temp. Rated at 45/130
S = ARI Med Temp. Rated at 20/120
F = ARI Low Temp. Rated at -25/105

A = Alkylbenzene
E = POE Oil
L = Less Oil

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
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

Product Variations



Compressor Family Series

Displacement and Valve Plate
A letter only, arbitrarily assigned for each different displacement valve plate combination within any one family series

Model Variation
A number only, assigned to indicate major variations within any one family series

Capacity Multiplier
K - 1,000
M - 10,000

Nominal Capacity at Rating Condition

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

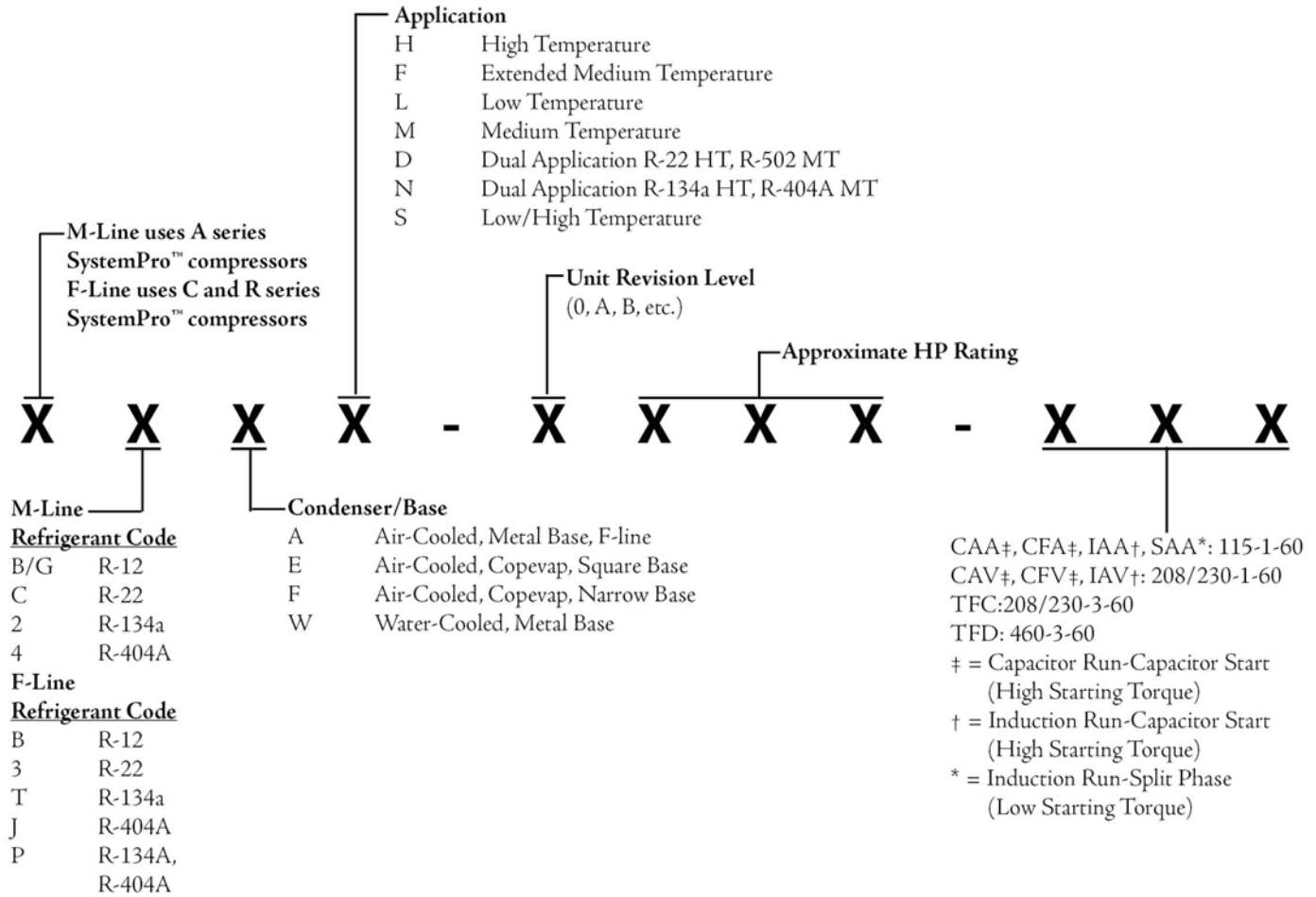
60 Hz	Code
115-1	A
230-1	B
208/230-3	C
460-3	D
575-3	E
208-1	H
208/230/460-3	K
230/460-3	N
200-3	U
208/230-1	V
200-1	3
100-1	4
200/230-3	5
230-3	6
380	7
200/220/380	8

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® Condensing Unit Model Number Nomenclature

brand products

(All Models Except M-Line)

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

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

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

Condensing Unit Family Series

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	T
3	WYE (Star) Delta	E
3	Six lead part winding or across the line-	F

Bill of Material Product Variations

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

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

Copeland[®] Copeland to Copeland Quick Reference
brand products

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	ARB10C3E-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[®] Copeland to Copeland Quick Reference
brand products

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

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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

Copeland Model	Copeland Replacement Model
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[®] Copeland to Copeland Quick Reference
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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[®]
brand products **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
RS64C1E-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 Copeland to Copeland Quick Reference

brand products

"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) 4.8" x 8" base 7" x 7" base 5" x 7" base	934-0001-02	962-0001-02	998-0527-03
JFB1-0033-IAA	ARE41C3-IAA		934-0001-00	962-0001-02	998-0527-01
JR26C1E-IAA	ARE27C3E-IAA		934-0001-01	962-0001-02	527-0174-00
JR36C1E-IAA	ARE37C3E-IAA		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) 4.8" x 8" base 7" x 7" base 5" x 7" base	934-0001-08	962-0001-01	998-0527-04
JFH1-0033-IAA	AFT12C1-IAA		Not Required	962-0001-01	Not Required
JFH1-0033-SAA	AFT12C1-IAA		934-0001-07	962-0001-01	998-0527-00
JR53C1E-IAA	ART51C1E-IAA		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) 4.8" x 8" base 7" x 7" base 5" x 7" base	Not Required	Not Required	998-0527-03
JRE1-0050-IAV	ARE59C3-CAV		Not Required	Not Required	998-0527-01
JRS4-0050-IAA	ARE47C3-IAA		Not Required	Not Required	527-0174-00
JSE5-0051-CAA	ARE59C3-CAA		Not Required	Not Required	998-0527-01
JSE5-0051-PAV	ARE59C3-CAV				
JRF4-0050-IAA	ART69C1-IAA	Weld Nuts (No Base) 4.8" x 8" base 7" x 7" base 5" x 7" base	Not Required	Not Required	998-0527-04
JRF4-0050-IAV	ART69C1-IAV		Not Required	Not Required	Not Required
JRF4-0075-PAA	ART69C1-IAA		Not Required	Not Required	998-0527-00
JRF4-0075-PAV	ART69C1-IAV		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) 4.8" x 8" base 7" x 7" base 5" x 7" base	934-0001-05	962-0001-00
JS35C1E-CAV	ASE32C3E-CAV	Not Required		962-0001-00	Not Required
JS55C1E-CAA	AST54C1E-CAA	934-0001-04		962-0001-00	998-0527-00
		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 the following questions.

- (1) What is the base arrangement on the J?
- (2) Does the J have a conduit?



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
AEA0415ZXAXA	AE0415ZXAXA	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
AEA2380ZXAXA	AE2380Z	No Replacement
AEA2410AXA	AE2410A	ARE37C3-IAA
AEA2410YXA	AE2410Y	AFE10C3E-IAA
AEA2411ZXAXA	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
AEA9415ZXAXA	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



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



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-TF5
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.



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

* Designates any letter or number.



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

* Designates any letter or number.



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

* Designates any letter or number.



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
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.

Copeland® A Compressors
brand products

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-959	2760	10.50	6.40	7.40	26.0	R-134a	3/8 Stub	1/4 Stub	POE	65.10	60.00
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 5700 BTU 115-1 R22 HT SWEAT COMPRESSOR			
1	EA	97557	ARE25C3E-IAA-901 2370 BTU 115-1 R134 HT SWEAT COMPRESSOR			
1	EA	97097	ARE27C3E-IAA-959 2760 BTU 115-1 R134A HT 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			

Copeland® brand products **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
AFT18C1E-IAA-901	1610	11.40	6.63	8.70	37.0	R-404A	3/8 Stub	1/4 Stub	POE	107.93	85.00
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	97102	AFT18C1E-IAA-901 1610 BTU 115-1 R404A EMT 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
brand products
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
RST40C1-IAA-901	5930	10.3	7.1	8.7	36.8	3/8" Rotalock	1/4 Stub	R-22	AB	93.21	\$85.00
RRT64C1-IAA-959	6280	10.3	7.1	8.7	37.5	3/8 Stub	1/4 Stub	R-12	AB	151.76	\$125.00
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	97192	RST40C1-IAA-901 3450 BTU 115-1 R22 HT SWEAT COMPRESSOR			
1	EA	97198	RRT64C1-IAA-959 6280 BTU 115-1 R12 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
RS43C2E-IAA-959	4040	11.12	6.62	10.38	51	1" Rotalock	3/8 Stub	R-404A	POE	112.78	\$125.00
RST45C1E-IAA-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	97178	RS43C2E-IAA-959 4040 BTU 115-1 R404A EMT COMPRESSOR			
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	RST70C1-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			

Copeland® CF Compressors
brand products

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	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-TF5-945	6,320	10.23	9.65	13.31	64.0	3/4 Stub	1/2 Stub	POE	368.01	185.00
CF06K6E-PFV-945	6,690	10.23	9.65	13.31	66.0	3/4 Stub	1/2 Stub	POE	368.01	170.00
CF09K6E-TF5-945	9,620	10.23	9.65	13.81	67.0	3/4 Stub	1/2 Stub	POE	534.59	200.00
CF09K6E-PFV-945	9,800	10.23	9.65	13.81	69.0	3/4 Stub	1/2 Stub	POE	470.00	185.00
CF12K6E-PFV-945	12,700	10.23	9.65	14.31	69.0	3/4 Stub	1/2 Stub	POE	665.12	200.00

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	97130	CF06K6E-TF5-945 6360 BTU 230-3 R404A LT COMPRESSOR			
1	EA	97129	CF06K6E-PFV-945 6690 BTU 230-1 R404A LT COMPRESSOR			
1	EA	97133	CF09K6E-TF5-945 9620 BTU 230-3 R404A LT COMPRESSOR			
1	EA	97132	CF09K6E-PFV-945 9800 BTU 230-1 R404A LT COMPRESSOR			
1	EA	97135	CF12K6E-PFV-945 12,700 BTU 230-1 R404A LT COMPRESSOR			

Copeland brand products **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

Specifications

Model Number	BTU	Dimensions (In.)			Weight (Lbs.)	Suction	Discharge	Oil Type	Displacement	4 Year Warranty Extension
		L	W	H						
CS10K6E-TF5-945	*	10.28	9.09	14.31	71.0	3/4 Stub	3/8 Stub	POE	275.07	150.00
CS10K6E-PFV-945	*	10.23	9.65	13.31	62.0	3/4 Stub	3/8 Stub	POE	275.07	150.00
CS12K6E-PFV-945	*	10.23	9.65	13.31	62.0	3/4 Stub	3/8 Stub	POE	308.42	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 Refrigerant	Medium Temperature	Ext. Medium Temperature	High Temperature	High Temperature
	R-22	R-404A	R-134a	R-404A
Compressor	BTU Capacity	BTU Capacity	BTU Capacity	BTU Capacity
CS10K6E-TF5-945	10,600	9,940	11,300	17,100
CS10K6E-PFV-945	10,800	10,100	11,600	17,350
CS12K6E-PFV-945	12,200	12,000	13,800	NR
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	97151	CS10K6E-TF5-945 10,000* BTU 230-3 MULTI USE COMPRESSOR			
1	EA	97150	CS10K6E-PFV-945 10,000* BTU 230-1 MULTI USE COMPRESSOR			
1	EA	97152	CS12K6E-PFV-945 12000*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			



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 supermarkets, restaurants, and convenience stores.

Specifications

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			

Copeland
brand products **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	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
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	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	F3AH-A078-IAA020	97279
R-22	High	3/4	230	1	F3AH-A078-IAV020	97313
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	1/3	115	1	M4FL-0033-IAA001	97254
R-404A	Low	1/3	115	1	M4FL-0040-IAA272	97262
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



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				UL/UR
	Suction Valve	Suction Accumulator	Base Valve	Receiver with Valve	Power Cord	BX Conduit	Fan Cycle Control	Fan Guard	
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.



FFAP & FPAK Copeland Scroll Condensing Units

Multi-Temp, Multi-Refrigerant Units



FFAP

- 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

FPAK

- For use with R-134a and R-407C
- 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-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
FPAK-013Z-CFV-072	90	0	—	6,640	10,800	—	—
FPAK-013Z-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	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
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	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			
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

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-A078-IAA020	R-22	3/4	115/1	4,480	6,450	8,660	86	24	16.9	13.1	5/8 S	3/8 S	Min	19.9	RS47C2-IAA-101
F3AH-A078-IAV020	R-22	3/4	230/1	4,480	6,450	8,660	85	24	16.9	13.1	5/8 S	3/8 S	Min	10.1	RS47C2-IAV-101
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	97279	F3AH-A078-IAA020 3/4 HP 115-1 R22 HT CONDENSING UNIT			
1	EA	97313	F3AH-A078-IAV020 3/4 HP 230-1 SWEAT R22 HT CONDENSING UNIT			
1	EA	97308	F3AH-B100-CAV072 1 HP 230-1 R22 HT CONDENSING 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

Medium Temperature															
M4FF-0080-IAV020	R-404A	3/4	230/1	3,880	5,980	7,640	82	24	16.1	13.1	5/8 S	3/8 S	POE	12.4	RST64C1E-IAV-108

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	1,750	1,390	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
M4FL-0040-IAA272	R-404A	1/3	115/1	2,560	2,040	1,320	38	16.2	13.1	11.7	3/8 S	1/4 S	POE	8.9	AFE13C3E-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	97378	M4FF-0080-IAV020 3/4 HP 230-1 R404A MT 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			
1	EA	97262	M4FL-0040-IAA272 1/3 HP 115-1 VALUE ADD R404A LT CONDENSING UNIT			


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 Unit Model	Dimensions			Copeland Brand Hood	
	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	

Copeland
brand products **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 AUXILIARY 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	96771	912-2030-01 2 POLE 30 AMP 120 V 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	96790	912-3120-01 3 POLE 120 AMP 120V CONTACTOR	
1	EA	96791	912-3120-02 3 POLE 120 AMP 208/240 V CONTACTOR	

Copeland
brand products **CoreSense™ Protection Module**
Contactors 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	2DL3R78KLTFD	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
97358	4RA3-100A-TSK800	R-12	100K	HIGH	10	230/460	3	1 5/8 Sweat	1 1/8 Sweat	415
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	KAA2-007A-IAA800	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

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	97424	3DB3R12ME-TFC800 102K BTU 230-3 R404A HT/MT LOW CON COMPRESSOR	
1	EA	97430	3DB3R12ME-TFD 102K BTU 460-3 R404A HT/MT LOW CON COMPRESSOR	
1	EA	97393	3DF3A090E-TFD800 9 HP 460-3 R404A LT COMPRESSOR	
1	EA	97421	3DF3F40KE-TFD800 40K BTU 460-3 R404A LT LOW COND 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	97431	3DS3F46KE-TFC800 46K BTU 230-3 R404A LT LOW COND 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	
1	EA	97434	3DS3R17ME-TFC800 117K BTU 230-3 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	97438	4DH3R16ME-TSK800 15 HP 230/460 3 R134A HT 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	97358	4RA3-100A-TSK800 10 HP 230/460 3 R-12 HT COMPRESSOR	
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)



Bercor No.	Model No.	Dimensions (In.)			Wt. (Lbs.)	Suction (Stub)	Discharge (Stub)2	Oil Type	BTU	Displacement
		L	W	H						
97671	CR18K6-TF5-875	10.23	9.65	13.12	61	3/4	1/2	AB	17,600	244.36
97611	CR18K6E-TF5-875	10.23	9.65	13.12	61	3/4	1/2	POE	17,600	244.36
97650	CR18K6-PFV-875	10.23	9.65	13.19	61	3/4	19/50	AB	18,000	244.36
97610	CR18K6E-PFV-875	10.23	9.65	13.19	61	3/4	19/50	POE	18,000	244.36
97651	CR22K6-PFV-875	10.23	9.65	13.19	61	3/4	19/50	AB	22,100	302.57
97612	CR22K6E-PFV-875	10.23	9.65	13.19	61	3/4	19/50	POE	22,100	302.57
97672	CR24K6-TF5-875	10.23	9.65	13.44	60	3/4	19/50	AB	24,000	328.22
97614	CR24K6E-TF5-875	10.23	9.65	13.44	60	3/4	19/50	POE	24,000	328.22
97652	CR24K6-PFV-875	10.23	9.65	13.44	63	3/4	19/50	AB	24,500	328.22
97613	CR24K6E-PFV-875	10.23	9.65	13.44	63	3/4	19/50	POE	24,500	328.22
97653	CR28K6-PFV-875	10.23	9.65	13.56	64	3/4	1/2	AB	28,200	367.49
97615	CR28K6E-PFV-875	10.23	9.65	13.56	64	3/4	1/2	POE	28,200	367.49
97654	CR30K6-PFV-875	10.23	9.65	13.81	66	3/4	1/2	AB	30,000	381.62
97616	CR30K6E-PFV-875	10.23	9.65	13.81	66	3/4	1/2	POE	30,000	381.62
67655	CR32K6-PFV-875	10.23	9.65	13.81	66	3/4	1/2	AB	32,000	423.86
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
97673	CR38K6-TFD-875	10.23	9.65	14.31	67	3/4	1/2	AB	37,900	492.79
97621	CR38K6E-TFD-875	10.23	9.65	14.31	67	3/4	1/2	POE	37,900	492.79
97657	CR38K6-PFV-875	10.23	9.65	14.31	70	3/4	1/2	AB	38,200	492.79
97619	CR38K6E-PFV-875	10.23	9.65	14.31	70	3/4	1/2	POE	38,200	492.79
97660	CR42K6-TF5-875	10.23	9.65	14.56	69	3/4	1/2	AB	41,700	534.59
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
97461	CR47KQ-PFV-970	10.38	9.09	14.81	77	22/25	1/2	AB	47,500	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
97468	CRN5-0500-PFV970	11.38	9.38	16.13	91	22/25	1/2	AB	60,600	756.06
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

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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	97671	CR18K6-TF5-875 17,600 BTU 230-3 R-22 A/C COMPRESSOR			
—	—	—	1	EA	97611	CR18K6E-TF5-875 17,600 BTU 230-3 R-22 A/C COMPRESSOR			
96747	96749	96711	1	EA	97650	CR18K6-PFV-875 18,000 BTU 230-1 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	97651	CR22K6-PFV-875 22,100 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	97672	CR24K6-TF5-875 24,000 BTU 230-3 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	97652	CR24K6-PFV-875 24,500 BTU 230-1 R22 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	97653	CR28K6-PFV-875 28,200 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	97654	CR30K6-PFV-875 30,000 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	97655	CR32K6-PFV-875 32,000 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	97673	CR38K6-TFD-875 37,900 BTU 460-3 R-22 A/C COMPRESSOR			
—	—	—	1	EA	97621	CR38K6E-TFD-875 37,900 BTU 460-3 R-22 A/C COMPRESSOR			
96732	96754	96712	1	EA	97657	CR38K6-PFV-875 38,200 BTU 230-1 R22 A/C COMPRESSOR			
96732	96754	96712	1	EA	97619	CR38K6E-PFV-875 38,200 BTU 230-1 R22 A/C COMPRESSOR			
—	—	—	1	EA	97660	CR42K6-TF5-875 41,700 BTU 230-3 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	97461	CR47KQ-PFV-970 47,500 BTU 230-1 R22 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	97468	CRN5-0500-PFV970 60,600 BTU 230-1 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			

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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	

Copeland[®] 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					
97731	ZR18K5E-PFV-800	17,300	9.5	9.5	15.86	48.9	3/4 Stub	1/2 Stub	POE	186.91
97580	ZR21K5-PFV-800	21,000	9.5	9.5	15.86	46.9	3/4 Stub	1/2 Stub	AB	214.86
97705	ZR21K5E-PFV-800	21,000	9.5	9.5	15.86	46.9	3/4 Stub	1/2 Stub	POE	214.86
97588	ZR25K5-PFV-800	25,300	9.5	9.5	15.86	50.1	3/4 Stub	1/2 Stub	AB	252.66
97706	ZR25K5E-PFV-800	25,300	9.5	9.5	15.86	50.1	3/4 Stub	1/2 Stub	POE	252.66
97581	ZR28K5-PFV-800	28,400	9.5	9.5	15.86	49.6	3/4 Stub	1/2 Stub	AB	286.93
97707	ZR28K5E-PFV-800	28,400	9.5	9.5	15.86	49.6	3/4 Stub	1/2 Stub	POE	286.93
97582	ZR32K5-PFV-800	32,600	9.5	9.5	15.86	49.9	3/4 Stub	1/2 Stub	AB	326.91
97708	ZR32K5E-PFV-800	32,600	9.5	9.5	15.86	49.9	3/4 Stub	1/2 Stub	POE	326.91
97583	ZR38K5-PFV-800	38,000	9.69	9.69	16.94	64.9	7/8 Stub	1/2 Stub	AB	377.71
97709	ZR38K5E-PFV-800	38,000	9.69	9.69	16.94	64.9	7/8 Stub	1/2 Stub	POE	377.71
97589	ZR42K5-PFV-800	42,200	9.69	9.69	19.94	68.3	7/8 Stub	1/2 Stub	AB	419.27
97710	ZR42K5E-PFV-800	42,200	9.69	9.69	19.94	68.3	7/8 Stub	1/2 Stub	POE	419.27
97585	ZR42K5-TF5-800	42,200	9.69	9.69	19.94	61	7/8 Stub	1/2 Stub	AB	419.27
97711	ZR42K5E-TF5-800	42,200	9.69	9.69	19.94	61	7/8 Stub	1/2 Stub	POE	419.27
97584	ZR42K5-TFD-800	42,200	9.69	9.69	19.94	60.8	7/8 Stub	1/2 Stub	AB	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
97587	ZR48K5-TF5-800	48,200	9.69	9.69	16.94	69.1	7/8 Stub	1/2 Stub	AB	469.71
97714	ZR48K5E-TF5-800	48,200	9.69	9.69	16.94	69.1	7/8 Stub	1/2 Stub	POE	469.71
97586	ZR48K5-PFV-800	48,200	9.69	9.69	16.94	70.9	7/8 Stub	1/2 Stub	AB	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
97591	ZR54K5-TFD-800	53,500	9.69	9.69	16.94	68.3	7/8 Stub	1/2 Stub	AB	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
97492	ZR57K3-PFV-930	58,000	9.69	9.69	17.75	90	7/8 Stub	1/2 Stub	AB	572.4
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
97494	ZR61K3-PFV-930	62,000	9.69	9.69	17.75	90	7/8 Stub	1/2 Stub	AB	612.5
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
97562	ZR11M3-TWC-961	108,000	12.57	14.06	21.17	212	1-3/8 Stub	7/8 Stub	AB	1068.23
97702	ZR11M3E-TWC-961	108,000	12.57	14.06	21.17	212	1-3/8 Stub	7/8 Stub	POE	1068.23
97505	ZR108KC-TF5-950	109,000	10.38	11.23	21	132	1-3/8 Stub	7/8 Stub	AB	1059.85
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
97665	ZR190KCE-TE5-950	127,000	12.93	11.73	22.21	146	1-3/8 Stub	7/8 Stub	POE	1847.47
97666	ZR190KCE-TED-950	127,000	12.93	11.73	22.21	143	1-3/8 Stub	7/8 Stub	POE	1847.47
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

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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	97580	ZR21K5-PFV-800 21,000 BTU 230-1 R22 A/C SCROLL 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	97581	ZR28K5-PFV-800 28,400 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	97583	ZR38K5-PFV-800 38,000 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	97589	ZR42K5-PFV-800 42,200 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	97585	ZR42K5-TF5-800 42,200 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97711	ZR42K5E-TF5-800 42,200 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97584	ZR42K5-TFD-800 42,200 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97712	ZR42K5E-TFD-800 42,200 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97587	ZR48K5-TF5-800 47,000 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97714	ZR48K5E-TF5-800 47,000 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97586	ZR48K5-PFV-800 48,200 BTU 230-1 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	97492	ZR57K3-PFV-930 58,000 BTU 230-1 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	ZR68K5E-TF5-930 70,000 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97726	ZR68K5E-TFD-930 70,000 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97727	ZR72K5E-TF5-950 73,500 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97728	ZR72K5E-TFD-950 73,500 BTU 460-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97481	ZR84K5E-TF5-950 85,500 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97545	ZR84K5E-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	ZR94K5E-TF5-950 94,000 BTU 230-3 R407C A/C SCROLL COMPRESSOR			
1	EA	97543	ZR94K5E-TFD-950 94,000 BTU 460-3 R-407C A/C SCROLL COMPRESSOR			
1	EA	97562	ZR11M3E-TWC-961 108,000 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97702	ZR11M3E-TWC-961 108,000 BTU 230-3 R22 A/C SCROLL COMPRESSOR			
1	EA	97549	ZR108K5E-TF5-950 106,000 BTU 230-3 R407C A/C SCROLL COMPRESSOR			
1	EA	97548	ZR108K5E-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	ZR125K5E-TF5-950 125,000 BTU 230-3 R407C A/C SCROLL COMPRESSOR			
1	EA	97546	ZR125K5E-TFD-950 125,000 BTU 460-3 R407C A/C SCROLL COMPRESSOR			
1	EA	97665	ZP190K5E-TF5-950 127000 BTU 230-3 R410A AC COMPRESSOR			
1	EA	97666	ZP190K5E-TFD-950 127000 BTU 460-3 R410A AC 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 system 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			



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
97537	ZB66KCE-TF5-950	10.38	11.19	21.5	132	1-3/8 Stub	7/8 Stub	POE	65000	1059.85
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	97537	ZB66KCE-TF5-950 108,000 BTU 230-3 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			

Copeland
brand products **Oil Pump**



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96805	998-0008-33 COPELAND OIL PUMP	

Copeland
brand products **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	

Copeland
brand products **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	

Copeland
brand products **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	96831	971-0554-30 PROTECTORS	
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	
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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	

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brand products

Sight Glass Kit

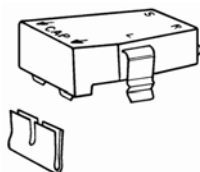
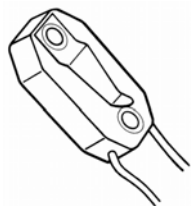
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	96623	998-0002-02 SIGHT GLASS KIT	
1	EA	96624	998-0002-04 SIGHT GLASS KIT	

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	96647	998-0510-41 5/8" FLARE X1R SERVICE VALVE KITS	
1	EA	96648	998-0510-42 3/8" FLARE X 1R SERVICE VALVE KITS	
1	EA	96649	998-0510-98 1/2" SWEAT SERVICE VALVE KITS	
1	EA	96650	998-0510-45 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	

Supco Solid State Relays



IC-G1 Solid State Relay

Replace thousands of models and parts. No starting contacts to pit or wear. May be directly substituted for contact starters. Acoustically and electrically noise free. Vibration and shock resistant. Long operating life.

- Low resistance solid state relay
- Fast cool down time
- Will restart a balanced system within one minute
- Quick and easy to install

PO-115 Push-on Relays

- Replaces all push-on current type relays.
- For use on compressors with "pin type" terminals.
- Can be used on all capacitor and non-capacitor start motors.

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
120	1/12 to 1/2	1	EA	94852	IC-G1 SOLID STATE RELAY	
120	1/12 to 1/2	1	EA	94851	PO-115 PUSH ON RELAY	
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
19006	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
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
19006	420	295	315	125
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	94904	19006 MARS 67 RELAY-CONTINUOUS VOLT.420 MIN.295/MAX.315	
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	



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

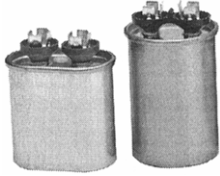
1	EA	94504	11038 / 11938 21-25MFD 250V ROUND START CAPACITOR		
1	EA	94509	11042 / 11942 43-53MFD 250V ROUND START CAPACITOR		
1	EA	94511	11044 / 11944 72-87MFD 250V ROUND START CAPACITOR		
1	EA	94512	11045 / 11945 88-108MFD 250V ROUND START CAPACITORS		
1	EA	94513	11046 / 11946 108-130MFD 250V ROUND 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

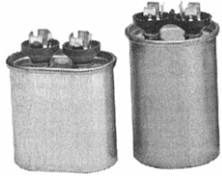
1	EA	94527	14237 USA 20MFD 370/440V RUN CAPACITOR ROUND		
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370/440 Volt Dual Section Round

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		
1	EA	94639	12156 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	



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		

Supco Relay and Hard Start Capacitors



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	

Supco 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	

MAPS Surge Protector



This surge protective device is designed to protect HVAC equipment from power spikes, surges, and transients.

- Easy installation to disconnect box or junction box.
- Type 4X weatherproof enclosure
- Fits 1/2 inch knockouts
- 18 inch leads for ease of installation
- Green and Red LED status indicators
- Uses metal oxide varistor (MOV) technology
- 120/240 single (split) phase, 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
- 2 year warranty
- \$2,500 connected equipment warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77660	83905 HVAC SURGE PROTECTOR	

INTERMATIC 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	

INTERMATIC 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	

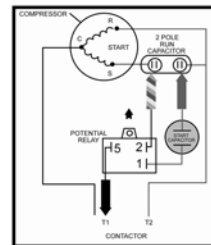


Compressor Saver

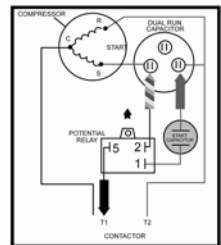


A 5-2-1 Compressor Saver® significantly reduces the amount of time your compressor is on high amp start-up. The 5-2-1 Compressor Saver® uses a powerful multi-layer starting capacitor and a smart switch to give your compressor the boost it needs to start up quickly, more reliably, and draw less power. 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

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



93007



93106

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	



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	
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AEA Comp. Family Variant	4				440	Y	AA	1A	
	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 = 4,000 BTU/H	A = R-12	AA=115/60/1	1 = Induction Run 2 = Optional Run Cap. 3 = Cap. Start/Run	A = Standard B = Medium C = High
AJ (A)	3 =	High	+45°F	Normal		E = R-22	NA=208-230/60/1		
AK (A)	4 =	High	+45°F	High		Y = R-134a	XA=115/60/1;		
AW (A)	7 =	Med.	+20°F	High		Z = R-404A/R-507	100/50/1		
	9 =	Com.	+20°F	High			XD=208-230/60/1; 200/50/1		

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 R134A 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	AJA4514YDXW 1 HP 1-230/208 14000 BTU R134A 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	AWA2448ZDXC 1 HP 230V R404 4838 BTU CONDENSING UNIT	
1	EA	92126	AWA2464ZDXC 1-1/2 HP R404A 208-230 1 6450 BTU CONDENSING UNIT	
1	EA	91940	AWA7512ZDXC 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	

Tecumseh 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	

Tecumseh 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	Hlgh	24
AEA9422EXA	AE172AT-900-J7	CSIR	2,400	5/16ODF	1/4 ODF	R-22	1/4	Hlgh	25
AJA9484EXD	AJ801ET-418-J7	CSR	8,400	1/2 ODF	5/16 ODF	R-22	1	Hlgh	54
AKA9442EXA	AK165AT-038-J7	CSIR	4,200	1/2 SAE	1/4 ODF	R-22	1/2	Hlgh	40
AKA9455EXD	AK167ET-038-J7	CSR	5,500	1/2 SAE	1/4 ODF	R-22	3/4	Hlgh	43
AKA9428EXA	AK164AT-038-J7	CSIR	2,800	1/2 SAE	1/4 ODF	R-22	1/3	Hlgh	40
AKA9442EXD	AK165ET-038-J7	CSR	4,200	1/2 SAE	1/4 ODF	R-22	1/2	Hlgh	43
AKA9462EXD	AK166ET-038-J7	CSR	6,200	1/2 SAE	1/4 ODF	R-22	3/4	Hlgh	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	Hlgh	55
AKA9455ZXA	AK171AT-038-J7	CSR	5,450	1/2 SAE RL	1/4 ODF	R-404A / R-507	3/4	Hlgh	41
AKA9462ZXA	AK172AT-038-J7	CSR	6,250	1/2 SAE RL	1/4 ODF	R-404A / R-507	3/4	Hlgh	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
AVA2490ZNX	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 COMPRESSOR	
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	AVA2490ZNX 2HP 230-1 LOW TEMP 9500 BTU R404A COMPRESSOR	



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	

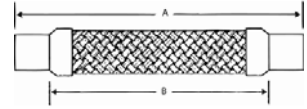


4 Year Extended Warranties For Compressors

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	



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	



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	

Finny's Gasket Book

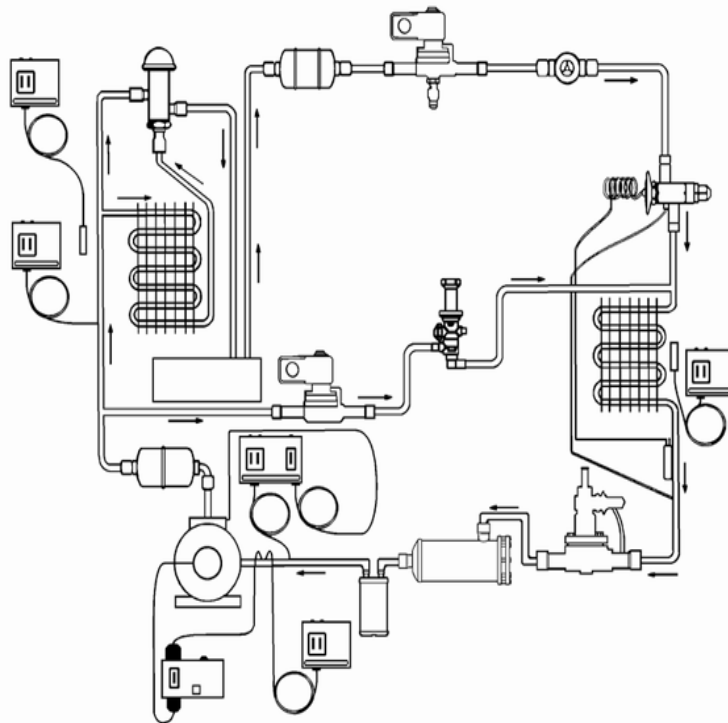


This array of 40 different gaskets replaces most common gaskets used today in expansion and solenoid valves and pumps. This fine gasket material Garlock replaces old gaskets on Sporlan, Penn, Alco, Jackes Evans, Parker, Mueller, Hamilton Pax, Henry and Primore.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92710	GB10 FINNY'S GASKET BOOK	



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.



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 saturation temperature read from tables in "Step 2" from temperature measured in "Step 3". Difference is superheat of suction gas



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: AAECB 2 HC 30 IN 3/8 x 1/2 ODF ANG

A	A	C	E	B	Z	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	92607	AAE 1-1/2 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	92610	AAE 1 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		



AFA Series Expansion Valves

With Internal Equalizers

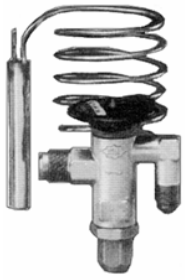


The AFA is ideal for applications requiring compact size combined with stable accurate control over wide load and evaporator temperature ranges. Designed for use in icemakers, salad bars, reach-in coolers. Direct replacement for Sporlan F Series valves.

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	



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 R-502 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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EMERSON
Climate Technologies

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	92452	HF 1/4 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 1 1/2 HC R-22 EXP VLV		
Flare	External	1	EA	92578	HFE 1 1/2 HW35 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 5 1/2 HC R-22 EXP VLV		
Flare	External	1	EA	92511	HFE 2 1/2 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 1 1/2 HC 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 1/2 HC EXP VLV		
Sweat	External	1	EA	92562	HFES8HCA R-22 EXP VLV		
Sweat	External	1	EA	92563	HFES10HCA R-22 EXP VLV		
Sweat	External	1	EA	92565	HFES20HCA R-22 EXP VLV		



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: HFNESC B 2 HC 5 FT 3/8 x 1/2 ODF S/T

HF	N	E	S	C	B	Z	H	C	5 FT	3/8 x 1/2		ODF	S/T
Valve Series	Superheat Adjustment	Equalizer	Correction Type	Removable Inlet Strainer	Bleed Hole	Capacity	Refrigerant Code	Charge Code	Capillary Tube Length	Inlet x Outlet Connection Sizes		Connection Type	Configuration
				(Optional)	(Optional)					Inlet	Outlet		
	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

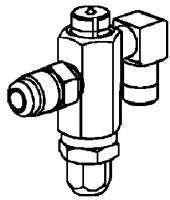
HFK TXV Assembly Kit Includes:

- 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

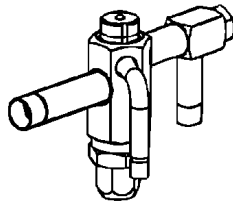
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92752	HFK TXV ASSEMBLY KIT PCN #066222	
1	EA	92753	HFK SERVICE BOX W/ CAGE KIT AND INSERT TOOL	



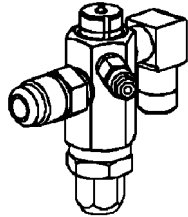
HFK Balanced Port Thermo® Expansion Valve



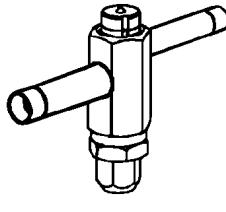
HFK



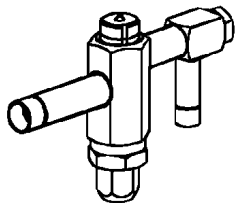
HFKESC



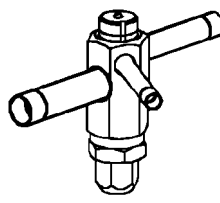
HFKE



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.)

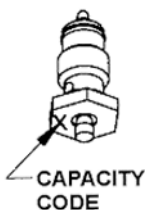
Body Selection Table (Also choose cage and power element; see following page.)

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	KT-20298-5	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	



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.)

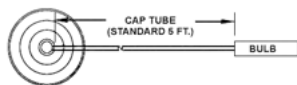
Product Code Number	Description*	Cage Code	Nominal Capacity (Tons)						
			R-12	R-22	R-134a	R-404	R-507	R-502	R-407C
064868	KT-20299-0	0	1/8	1/4	1/4	1/8	1/8	1/8	1/4
064869	KT-20299-1	1	1/4	1/2	1/2	1/4	1/4	1/4	1/2
064870	KT-20299-2	2	1/2	1	3/4	1/2	1/2	1/2	1
064871	KT-20299-3	3	1	1-1/2	1	1	1	1	1-1/2
064872	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	



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	



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
X22440B3B	1	EA	92510	TCLE2HC 2 TON R-22 VLV		
X22440-B5B	1	EA	92552	TCLE5HC 5 TON R-22 VLV		
X22440-B6B	1	EA	92566	TCLE71/2HC 71/2 TON R-22 VLV		
X22440-B7B	1	EA	92599	TCLE 10 HC 10 TON R-22 VLV		

TJRE & TER Series with External Equalizer

X11873-B5B	1	EA	92619	TJRE18HC 18 TON R-22 VLV		
X9117-B6B	1	EA	92635	TER22HC 22 TON R-22 VLV		
X9117-B7B	1	EA	92636	TER26HC 26 TON R-22 VLV		



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 Part Number	Valve Type			Cage Assembly Part Number
R-12	R-22	R-502		R-12	R-22	R-502	
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*

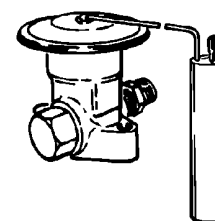
NOTE: Delete letter E from valve type for internally equalized valve.

* Equalizer code letter A (internal) or B (external) is added to the basic numbers shown to make complete cage assembly part number.



Power Assemblies

EMERSON For T Series Valves
Climate Technologies



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	1=5 (Std.)	A=Internal
		R-22 = H	2=10	B=1-1/4 SAE External
TER TIR THR	XC726	R134a = M	3=15	C=1/4 ODF External
		R404A = S	4=20	
		R-502 = R	1=5	B=1/4 SAE External
			2=10 (Std.)	
			3=15	
			4=20	

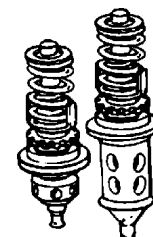
Cap Length (Ft.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	1	EA	92758	XB-1019 HW100-1B R22 W/100 LB MOP POWER ASSEMBLY (T-SERIES)	
5	1	EA	92762	XB-1019 MC-1B R134A POWER ASSEMBLY (T-SERIES)	
5	1	EA	92765	XB-1019 MW551B R134A W/55MOP POWER ASSEMBLY (T-SERIES)	
5	1	EA	92759	XB1019HC1B POWER ASSY R-22	
5	1	EA	92771	XC726HC2B POWER ASSY R-22	

NOTE: XB1033 Series replaced by XB1019 and matching adjustable cage assembly.



Cage Assemblies

EMERSON
Climate Technologies



Cage Assembly Interchangeability Table (Gaskets Included)

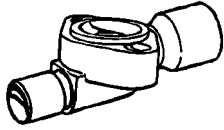
Valve Type	Cage Assembly		Nominal Capacity (Tons)			
	Old	New	R-12	R-22	R-502	R-500
TCL TCLE	XC709B7*	X22440B1*	1/4	1/2	1/4	1/4
	XC709B000*	X22440B2*	1/2	1	1/2	3/4
	XC709B00*	X22440B3*	1	2	1	1
	XC709B0*	X22440B4*	2	3	2	2-1/2
	XC709B6*	X22440B5*	3	5	3	4
	XC709B4*	X22440B6*	4	7-1/2	4-1/2	5
	XC709B2*	X22440B7*	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.

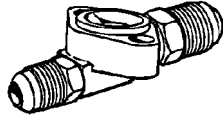
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92711	X22440-B4B CAGE ASSY	
1	EA	92717	X22440-B6B CAGE ASSY	
1	EA	92718	X22440-B7B CAGE ASSY	



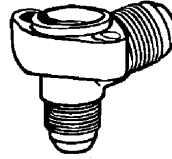
Body Flanges



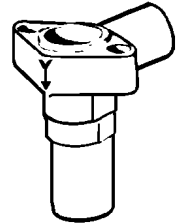
Style 1 Forged Type,
Straight-through, Solder



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 Part No.
	Inlet	Outlet	
TCL, TCLE	3/8 SAE	1/2 SAE	C-500-4
TLE	5/8 ODF to 7/8 ODM	7/8 ODF to 1-1/8 ODM	A576

Straight-through: SAE Style 3, ODF Style 4			
Valve Type	Connections		Body Flange Part No.
	Inlet	Outlet	
TCL TCLE TL TLE	1/2 SAE	5/8 SAE	X6669-2
	3/8 ODF	5/8 ODF	9761-3
	1/2 ODF	5/8 ODF	9761-4
	1/2 ODF	7/8 ODF	9761-2
	5/8 ODF	7/8 ODF	X6346-17
	5/8 ODF	1-1/8 ODF	X6346-18
TJLE	7/8 ODF	1-1/8 ODF	X6347-6
	7/8 ODF	1-3/8 ODF	X6347-7

NOTE: Unless listed above ODF outside dimension not controlled.

Connection	Style	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3/8 ODF x 5/8 ODF	1	1	EA	92680	9761-3 3/8 X 5/8 SWEAT STR BODY FLANGE FOR TCLE VLV	
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	
5/8 ODF x 7/8 ODF	1	1	EA	92683	X6346-17 5/8 X 7/8 SWEAT STR BODY FLANGE FOR TCLE VALVE	
3/8 SAE x 1/2 SAE	3	1	EA	92694	C-500-4 3/8 X 1/2 FLARE ANG BODY FLANGE FOR TCLE VALVE	
5/8 ODF x 7/8 ODM	4	1	EA	92697	A-576 5/8 OR 7/8 X 7/8 OR 1 1/8 ANG BODY FLANGE FOR TCLE VALVE	



Gasket Kit For T Series Valves



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	92707	X13455-1 GASKET SET FOR TCLE VALVES	



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
10	1	EA	92645	TRAE+ 10HC 5/8 X 7/8 ODF		
15	1	EA	92646	TRAE+ 15HC 7/8 X 1-1/8 ODF		
20	1	EA	92647	TRAE+ 20HCA 7/8 X 1-1/8 ODF		
30	1	EA	92648	TRAE+ 30HC 7/8 X 1-1/8 ODF		
40	1	EA	92649	TRAE+ 40HC 1-1/8 X 1-3/8 ODF		



Emerson 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 1455VV	062232	N/A
C-146-S-TT-HH	CSFD 1456VV	062233	N/A
C-147-S-TT-HH	CSFD 1457VV	062234	N/A
C-149-S-TT-HH	CSFD 1459W	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-48S-T	053001	94402
C 48 7 T	STAS-48T-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-96T-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	Sporlan	Emerson	PCN	Bercor
Solenoid Valves				Head Pressure Controls			
E3S120 1/4 ODF	100RB-2S2	047503	93056		HP 8 T 7-110	046207	N/A
E3S130 3/8 ODF	100RB-2S3	047504	93058	LAC-4-180	HPC 5 T 4-180	064183	92951
E5S130 3/8 ODF	200RB-2T2	053105	N/A	OROA-5-180/LAC-5-180	HP 8 T 5-185	032407	92940
E5S130 3/8 ODF	200RB-2T3	053106	93053	OROA-5-180/LAC-5-180	HP 8 T 5-175	034246	N/A
E6S130	200RB-3T3	049609	93054	OROA-5-180/LAC-5-180	HP 8 T 7-185	046206	92941
B6F1 3/8 SAE	200RB-3F3	052726	N/A	LAC-10-180	HP 14 T 9-175	029805	92946
E6S140 1/2 ODF	200RB-3T4	049692	N/A	LAC-10-180	HP 14 T 11-175	024601	92947
E9S240 1/2 ODF	200RB-5T4	057206	N/A	Ice Machine Dump Valve			
E9S240 1/2 ODF	200RB-5S4T	047526	N/A	207CBEB5 120/50-60(1-3) STD		062403	92934
E10S250 5/8 ODF	200RB-6T5	056766	N/A	Oil Control-Scroll			
E14S250 5/8 ODF	200RB-7T5	064063	N/A	OMB-JB1 ASC 2 24/50-60 STD		065365	92650
Solenoid Coils				Accumulator			
AMG-24V		057341	93099	3 X 12 5/8 ODF	A-AS3 12 5	060812	N/A
AMG-120V		057331	93097	4 X 10 5/8 ODF	A-AS4 10 5	060966	N/A
AMG-208/240V		057342	93098	4 X 10 3/4 ODF	A-AS4 10 6	060820	N/A
AMG-120/240V		057343	93096	5 X 9 3/4 ODF	A-AS5 9 6	060824	N/A
Solenoid Repair Kits				5 X 9 7/8 ODF	A-AS5 9 7	060818	94441
Repair Kit 100RB	KS30112	049191	92959	5 X 13 7/8 ODF	A-AS5 13 7	060814	94442
Repair Kit 200RB	KS30115	049194	92960	5 X 13 1-1/8 ODF	A-AS5 13 9	060815	N/A
Repair Kit 240RA8	KS30321	060626	92961	6 X 14 1-3/8 ODF	A-AS6 14 11	060827	94444
Repair Kit 240RA9	KS30322	060627	92975	6 X 13 1-1/8 ODF	A-AS6 13 9	060968	94443
Repair Kit 240RA12	KS30323	060628	92962	6 X 25 1-5/8 ODF	A-AS6 25 13	060970	94445
Gasket Kit Universal	KG10028	054356	93134				



EMERSON
Climate Technologies

Solenoid Valve Cross Reference

Emerson (Alco)			Sporlan			Jacks-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.



Solenoid Valve Cross Reference

EMERSON Refrigeration Service
Climate Technologies

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	200RA6F5M	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.



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	
1	EA	92976	KS30387 BIFLOW KIT FOR 200RD	



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 Diaphragm.
- 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	
1	EA	93134	KG 10028 GASKET KIT FOR 240RA VALVES	



Solenoid Valve Coils

EMERSON
Climate Technologies

- Compact designs
- Coil windings are insulated to provide shock and vibration protection
- Interchangeable housings.
- 12 Watt, Class F, Junction Box

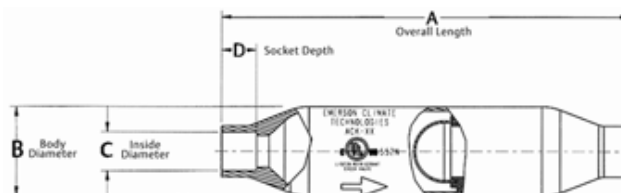


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	93096	AMG 120-240/50-60 SOL COIL	
12	EA	93097	AMG 120/50-60 SOL COIL	
12	EA	93098	AMG 208-240/50-60 SOL COIL	
12	EA	93099	AMG 24/50-60 SOL COIL	



ACK Check Valves

EMERSON
Climate Technologies



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	



211C Industrial Solenoids

EMERSON
Climate Technologies



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

¹With 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.



Liquid Line Pre-Filter

for POE Systems



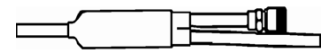
- Liquid Line Filter optimal for POE systems
- Filter media that maximizes removal of particles
- Recovery, recycle, and reclaim filter
- Available with access fittings
- Available with extended ends
- Corrosion resistant paint finish
- Filtration: 40 microns
- Maximum working pressure: 600 psig

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			



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			
1	PKG	94290	CU619-3 1/4 X CAP COPPER SPUN 3 PACK			



EK Liquid Line Filter Driers

EMERSON
Climate Technologies



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

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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			
1/2	10	EA	94271	EK-414S 1/2 SWEAT LIQUID 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			
1-1/8	10	EA	94277	EK-419S 9/8 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

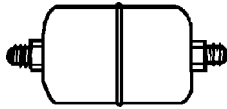
5/8	1	EA	94200	ADK - 165 FILTER DRIER PCN# 059842			
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EMERSON
Climate Technologies

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

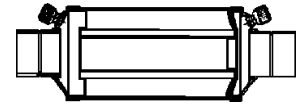
² Water Capacities are based on: Equilibrium Point Dryness of 60 Parts Per Million for R-22.

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			



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.



ASD Suction Line Filter Driers

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ASD suction line-filter driers 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			



SFD Suction Line Filter Driers



SFD suction line-filter driers 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			



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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			
2-1/8 ODF	1	EA	94413	STAS-19217T 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			



STAS Filter Drier Ratings

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STAS Liquid Line Filer-Drier Ratings

Model No.	Unit Size	Suggested Nominal System Tonnage ¹												
		Flow Capacity ¹				Refrigeration			Air Conditioning					
		Tons 1 PSIG D P				Low Temp. & Commercial Installations			Field Replacement and Field Installations			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
STAS-19217T	92	106	115	77	121	65	85	60	65	85	60	80	110	65

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.



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

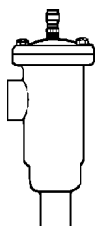
¹ Water capacities are based on an Equilibrium Point Dryness of 15 ppm for R-12, 60 ppm for R-22, and 30 ppm for R-502. 20 drops of water = 1 gram = 1 cc.

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		



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		

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-4	DF45A	4CFA	12	EA	94320	A4FD FILTER DRIER		



BVS Ball Valves



- Forged brass body
- Compact, lightweight, hermetic design
- Compatible with HCFC and HFC refrigerants/lubricants including R-410A and CO₂
- 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	



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			



AAS Suction Accumulators

EMERSON
Climate Technologies



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 to Outlet (In.)	Tons R-22 (+40° F)	Holding Capacity (Lbs.) 50% Full	
							40° F Liquid R22/R134a	40° F Liquid R404A/R507
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 1-9	PC-2 10-24	PC-3 25
25	EA	90446	620 DRIER			
1	PKG	90450	MMS80 DRIER 3 PACK			
100	EA	94090	MMS80(032402-00) 1/4 INCH COPPER SPUN DRIER W/ PLASTIC CAPS			



LAC Head Pressure Control Valves Low Ambient Control

Three-way modulating valves

- LAC-4 responds to discharge pressure
- LAC-5, -10 respond to receiver pressure



Refrigerant Min. Ambient Temp. (° F)	R-22														
	-20					0					20				
Pressure Drop (psi)	2	5	10	15	20	2	5	10	15	20	2	5	10	15	20
LAC-4	2.49	3.89	5.44	6.59	7.54	2.68	4.20	5.86	7.10	8.12	2.93	4.59	6.40	7.75	8.86
LAC-5	4.43	6.98	9.84	12.0	13.8	4.77	7.52	10.6	12.9	14.9	5.20	8.21	11.6	14.1	16.2
LAC-10	10.6	16.4	22.8	27.6	31.4	11.3	17.6	24.5	29.5	33.6	12.3	19.1	26.5	31.9	36.3
Refrigerant	R-134a														
LAC-4	2.07	3.23	6.40	7.75	8.86	2.25	3.51	4.88	5.88	6.69	2.50	3.89	5.41	6.51	7.40
LAC-5	3.69	5.82	11.6	14.1	16.2	4.01	6.31	8.87	10.8	12.4	4.44	6.99	9.82	12.0	13.7
LAC-10	8.82	13.7	26.5	31.9	36.3	9.54	14.8	20.4	24.4	27.6	10.5	16.3	22.4	26.8	30.3
Refrigerant	R-404A														
LAC-4	1.78	2.79	3.91	4.74	5.43	1.90	2.98	4.17	5.05	5.78	2.06	3.22	4.50	5.45	6.24
LAC-5	3.17	5.01	7.06	8.61	9.91	3.38	5.33	7.51	9.17	10.6	3.64	5.75	8.11	9.90	11.4
LAC-10	7.59	11.8	16.5	19.9	22.7	8.05	12.5	17.5	21.1	24.0	8.65	13.5	18.7	22.6	25.7
Refrigerant	R-507														
LAC-4	1.75	2.75	3.84	4.66	5.34	1.88	2.95	4.13	5.01	5.73	2.05	3.21	4.48	5.44	6.22
LAC-5	3.12	4.92	6.94	8.47	9.74	3.34	5.28	7.44	9.08	10.5	3.63	5.73	8.08	9.87	11.4
LAC-10	7.45	11.6	16.2	19.6	22.3	7.96	12.4	17.3	20.8	23.8	8.61	13.4	18.6	22.5	25.6

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94163	LAC-5-100 100 PSI 5/8" HEAD PRESS CONTROL VALVE	
1	EA	94165	LAC-4-180 1/2 IN 180 PSI HEAD PRESSURE REG VALVE	
1	EA	94167	LAC-10-180 1 1/8" 180 PSI HEAD PRESS CONTROL VALVE	
1	EA	94168	LAC-5-210 5/8 ODF 210 PSI HEAD PRESSURE CONTROL VALVE	
1	EA	94169	LAC-4-210 3/8 ODF R404 HEADMASTER PRESSURE CONTROL 903005P VAL	



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 compressor can handle the load.

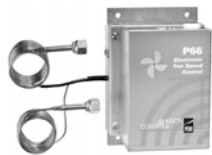
- Close on rise of outlet pressure
- Pressure tap on outlet connection

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
CROT(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.

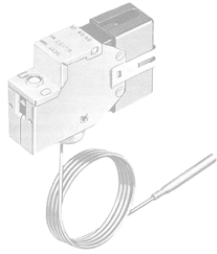
- **Max. Water Supply Press.:** 150 PSIG
- **Max. Bellows Pressure:**
R-12: 230 PSIG
R-22: 320 PSIG
- **Max. Water Temp.:** 170° F
- **Valve Body:** 3/8" to 3/4" cast brass, 1" and larger cast iron with a special finish.

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	



P20 Series Air Conditioning/Pressure Cutout Control



The P20 Series are field replacement high and low pressure controls for non-corrosive refrigerants. They include a dust-tight contact unit with quick connect connectors, and a 6 in. capillary with 1/4 in. sweat section. The set point is screwdriver adjustable

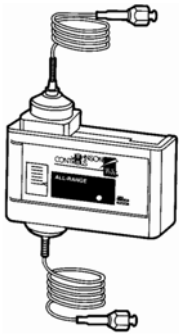
- Accurate repeatability
- Compact size
- Trip-free manual reset

Model No.	Switch Action	Range psig (kPa)	Differential psi (kPa)	Factory Setting psig (kPa)		Max. Bellows Pressure psig (kPa)
				Opens	Closes	
P20EB-2	SPDT	100 to 425 (690 to 2930)	75 (483) Fixed	400 (2758)	324 (2275)	450 (3103)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75371	P20EB-2C 36IN CAP AIR CONDITIONING PRESSURE CONTROL		



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	3/8" 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:** 3/8" 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	



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)	3/6" 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)	3/6" 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		



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		



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		



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) 3/4 contacts 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	



Condenser 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.

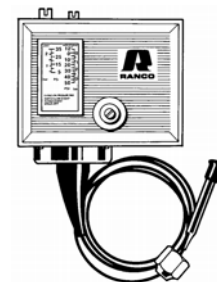


Auto Reset

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.



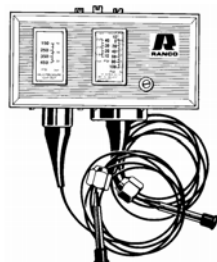
Auto Reset

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	
SPST Close on Rise	100-400 Lb.	1/4 " Male Angle	1	EA	93467	O10-1894 HI PRESSURE CONTROL	
SPST Open on Rise	150-450 Lb.	36" Cap. 1/4" Flare Nut	1	EA	93470	O11-1711 HI PRESSURE CONTROL	
SPDT Open or Close on Rise	100-400 Lb.	36" Cap. 1/4 Flare Nut	1	EA	93474	O16-108 HI PRESS CONTROL	

Manual Reset

SPDT Open or Close on Rise	150-450 Lb.	48" Cap. 1/4" Flare Nut	1	EA	93476	O16-200 HI PRESSURE CONTROL	
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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	
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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	

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	



A11 Low Temperature Cutout Control



The A11 Series are low temperature cutout controls for coils and/or liquid sensing pipes, which incorporate a 20 foot long, vapor charged, sensing element. The A11 reacts to the coldest 18 inch section of the controls sensing element. The A11 is suitable for monitoring the face temperature of hot water coils.

- Snap-acting contacts.
- External temperature scale.
- Easy set point adjustment.
- Adjust range with screwdriver slot.

Model No.	Switch Action	Range ° F	Diff. ° F	Bulb & Capillary	Elec. Rating 120 VAC
A11A-1C	SPST Open Low	35 to 45	Manual Reset	20' of 1/8" O.D. Tubing 4' Cap.	16 Amp
A11B-1C	SPST Open Low	35 to 45	8 (Fixed)	20' of 1/8" O.D. Tubing 4' Cap	16 Amp

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75458	A11A-1C SPST LOW LIMIT CUTOUT	
1	EA	75459	A11B-1C SPST LOW LIMIT CUTOUT	



A19 Temperature Control General Purpose Remote Bulb



The A19 Series are single stage temperature controls that incorporate liquid filled sensing elements. They are suitable for temperature control in heating, ventilating, and refrigeration applications. Constant differential throughout the entire range. Compact enclosure. Fixed or adjustable differential available. Variety of sensing elements styles. Unaffected by cross ambient conditions.

A19ABC-24 replaces both A19ABA-1 and A19ABA-4.
A19BBC-2 replaces White-Rodgers 201-16, 201-8, 2A37-1; Ranco 010-1418, 010-1802, C30-C1101; and Honeywell T631A, T696A, T6054A1005.

Model No.	Switch Action	Range ° F	Diff. ° F	Bulb & Capillary	Bulb Well No. (Not Supplied)	Range Adjuster	Elec. Rating 120 VAC
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
A19AAD-5C	SPST	30 to 50	2.5	3/8" x 2-5/8" 6' Cap. Style	WEL16A601R	Screwdriver Slot	6 Amp
A19AAF-12C	SPDT	25 to 225	3.5	3/8" x 3", 10' Cap. Style	WEL14A602A	Screwdriver Slot	6 Amp
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	75365	A19AAD-5C SPST 30-50 DF CAP STYLE TEMP CONTROL		
1	EA	75366	A19BBC-2C SPDT-30/+100F COIL STYLE BULB TEMP CTL		
1	EA	75377	A19AAF-12C SPDT 25-225 DF CAP STYLE TEMP CONTROL		
1	EA	75378	A19ABC-24C SPDT -30/+100F CAP STYLE TEMP CONTROL		
1	EA	75467	A19ABC-4C SPDT 50-130 DF CAP STYLE TEMP CONTROL		



A70 Series Four-Wire, Two-Circuit Temperature Control



The A70 Series temperature control incorporates a vapor-charged sensing element. The A70H 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 Amp	16.0	9.2	8.0	-	6.0	3.3	3.0	-
AC Locked Rotor Amp	96.0	55.2	48.0	-	36.0	19.8	18.0	-
AC Non-Inductive Amp	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							

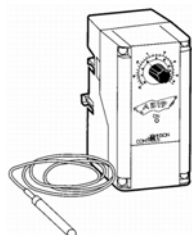
Model Number	Switch Action		Range °F	Diff °F	Bulb and Capillary	Max. Bulb Temp °F	Range Adjuster
	Main Contacts	Auxiliary Contacts					
A70HA-1C*	Open Low	Close Low	15 to 55	Manual Reset	20 ft. of 1/8 in. O.D. Tubing	400	Screwdriver slot

* The low cutout stop is set and sealed at 35° F. The control responds only to the lowest temperature along any one ft. of the entire 20 ft. 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 TEMP CONTROL	



A319 Electronic Temperature Control



The A319 Series is a line voltage single-stage electronic temperature control with single-pole, double-throw relay output and LED indication. The A319 is designed with heating or cooling modes of operation, adjustable differential, and an interchangeable temperature sensor.

Typical applications include:

- Frozen/refrigerated food cases
- Compressor lockout
- Condenser fan cycling
- Boiler control
- Pump control (cooling towers)
- Space and return-air temperature control

Model No.	Set Point Range °F	Diff. Range °F	Operating Ambient Temp. °F	Ambient Humidity	120 V N.O.
A319ABC-24-01	100 to 200	1 to 30	-30 to 140	0 to 95% RH	16 Amps

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75396	A319ABC-24-01 -20/100F TEMPERATURE TEMP CONTROL W/SENSOR		



A419 Single Stage Temperature Control with Heating/Cooling Display



The A419 Series control is a line voltage, single-stage electronic temperature control with a Single-Pole, Double-Throw (SPDT) output relay. It has heating or cooling modes of operation with adjustable setpoint and differential.

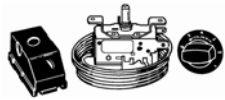
The A419 can be used to control a wide variety of single-stage refrigeration or HVAC equipment.

Typical applications include:

- Reach-in coolers
- Supermarket display cases
- Boiler control
- Compressor lockout
- Condensor fan cycling
- Pump control
- Space and return air temperature

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-9	PC-2 10
1	EA	75360	A419ABC-1C -30/212F ELECTRONIC -30/212F		

RANCO 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	

RANCO General Range Temperature Controls



Applications include self-contained refrigerators, freezers, coolers, 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	-15 to 40	3 to 20	72	1	EA	93493	O10-1408 TEMP CTL	
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	

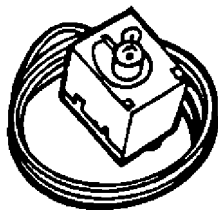
RANCO ETC Commercial Temperature Controls



- 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 diagnostics.
- Selectable heat and cool modes.
- Output relay rated at one horsepower.
- One and two 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	

RANCO A30 Series Refrigeration Controls



Refrigeration/Freezer Controls

For self-contained refrigerators, freezers, coolers, walk-in units, and refrigeration. Controls feature SPST switches.

Direct Replacement Water Cooler Controls

Water cooler controls feature small compact design, computer calibration, and laser-welded bellows for reliability.

Adaptable Replacement Cycling Controls for Room Air Conditioners

Adaptable control to replace OEM controls which govern the on/off compressor function. Includes break-off shaft, dial knob, and mounting bracket.

Refrigeration/Freezer Controls

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	
3 to 43	12 Fixed	84	Adaptable	1	EA	93533	A30-262 TEMP CONTROL	
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	
-4 to 38	13 Fixed	42	Adaptable	1	EA	93564	A30-180 TEMP CONTROL	
-4 to +41	13 Fixed	84	Adaptable	1	EA	93565	A30-181 TEMP CONTROL	
-6 to +44	17 Fixed	42	Adaptable	1	EA	93566	A30-182 TEMP CONTROL	

Direct Replacement Water Cooler Controls

Dial Range (Degrees F)	Differential (Degrees F)	Capillary Length (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
37 to 61	7 Fixed	48	1	EA	93518	K-3001 TEMP CONTROL	

RANCO 3030-505 Constant Differential Control



3030-505 control is suitable for most manual and automatic and defrost refrigerators. Features 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	



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	



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)	



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.
- Heavy-duty, silver-plated welded 40 amp contacts
- Encapsulated timer module design prevents dust and dirt buildup
- 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	



8045 Series Defrost Controls

Time Initiated, Time Terminated



For electric heat, hot gas, or compressor shutdown defrosting. Frequency of defrost initiation is adjustable from one to six cycles per day. Minimum of 4 hours between successive operations. Duration of defrost cycle adjustable 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 is available. A choice of 3 contact arrangements for electric head, compressor shutdown, or hot gas defrost is available.

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	



9045 Universal Defrost Control

Time Initiated, Time Terminated, Multi-voltage



The 9045 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

9045 Terminal Data

Terminal	A	B	C	D	E	F	G
Relay Contact	SPST #1 NC Contact	SPST #1 COMM Contact	L1 Power in to timer	SPST #2 NO Contact	SPST #2 COMM Contact	L2/N Power in to timer	No Connection
Relay Rating	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	Compressor (Typical)	—	—	—	Defrost Device (Typical)	—	—

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77054	9045-00 SERIES UNIV DIGITAL DEFROST TIMER WITH ENCLOSURE	



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)	L1 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	
1	EA	77055	9145-00M SERIES UNIV DIGITAL DEFROST TIMER MECHANISM ONLY	



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	

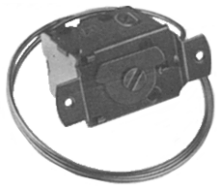


Paraguard EC9000 Refrigeration System Monitor and Alarm

- Provides continuous monitoring of system efficiency and performance.
- Provides fast, reliable alarming of adverse operation conditions during the Start, Run, Off, and Defrost cycles.
- Easy to install.
- No programming required.
- Easy to understand alarm indicators and fault codes.
- Simple troubleshooting guide helps identify what type and where alarm condition occurred in the system.
- Reduces maintenance/service costs by providing early detection of intermittent electrical and mechanical problems.
- Application flexibility. One model for 120-575 Vac 50/60 Hz, all common sized refrigeration motors, single or three phase.
- Can be applied to conventional and parallel refrigeration systems.
- Compatible with existing security alarm monitors, building control systems and refrigeration control systems.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77034	EC9000 PARAGUARD REFR SYS MONITOR & ALARM	

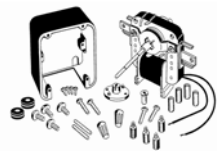
ARANCO Ice Bin Level Control



Direct replacement control for ice machine applications. Provides narrow differential for accurate control of bin level. Control features a SPST switch.

Dial Range (Degrees F)	Differential (Degrees F)	Capillary Length (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
35 to 51	6 Fixed	48	1	EA	93516	A22-1129 ICE BIN LEVEL CONTROL	

Supco SM-999 Universal Motor Kit

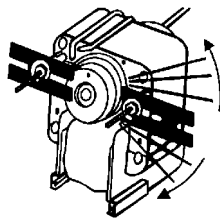


- Reversible rotation.
- Prefastened multi-fit break-off mounting bracket.
- Easy to use, fewer parts to assemble than competitive motors.
- "Break-off" shaft.
- Volts: 120 Volt, 3000 RPM.

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



- Output 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	



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

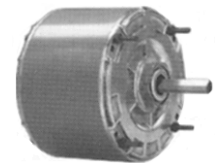
- Two or four 8-32 x 3/4" stud extensions at each end
- Sleeve bearings have all angle thrust system
- Automatic reset thermal overload protection
- 12" leads



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	



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	96838	950-0265-03 1/6HP 1550RPM 208/230/1 MOTOR	
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	96698	083-0118-00 11" DIA 3/8" 30 DEG CW 5 BLADE FAN	
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	
1	EA	96696	983-0160-00 11-3/8" DIA 3/4" 32 DEG CW 3 BLADE FAN	



Refrigeration Motors and Fan Blades

Motors

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	98014	25300701S 1/150 HP 115V 3000 RPM CWSE MOTOR	
1	EA	98015	7071061 1/15HP 230V 1550RPM CCWSE MOTOR	
1	EA	98016	5036SS 1/15HP 115V 1550RPM CWSE MOTOR	
1	EA	98017	25309101S 1/15HP 230V 1550RPM CCWSE MOTOR	
1	EA	98018	5036TS 1/15HP 230V 1550RPM CWSE MOTOR	
1	EA	98019	25300101S 1/20 115V 1550RPM CWSE MOTOR	
1	EA	98020	25300201S 1/20HP 230V 1550RPM CWSE MOTOR	
1	EA	98021	038688900 1/20HP 230V 1550RPM CW MOTOR	
1	EA	98022	7071208S 1/3HP 230V 1075RPM CCWSE MOTOR	
1	EA	98023	2537974S 1/4HP 230V 1075RPM CCW 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	



Aluminum Fan Blades for Walk-in Boxes

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

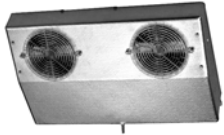


Size	Rotation	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
8 IN	CW	1	EA	93882	30805 8 INCH ALUMINUM FAN BLADE CLOCKWISE	
10 IN	CW	12	EA	93884	31005 10 INCH ALUMINUM FAN BLADE CLOCKWISE	
10 IN	CCW	12	EA	93885	31015 10 INCH ALUMINUM FAN BLADE COUNTER CLOCKWISE	
12 IN	CW	12	EA	93886	31205 12 INCH ALUMINUM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



Model TA Reach-In Unit Evaporators

Thin Profile Air Defrost Unit Coolers



TA units mount in the top of a refrigerator and make the entire top shelf area usable.

This unit is particularly desirable for display type refrigerators, and can be used in back bars, under counter cabinets, or wherever space is at a premium. For 35° to 45° F fixtures at 10° to 15° TD applications with 16 hours maximum compressor run time per day. Drain fitting at 45° angle so drain can be run through back or bottom of refrigerator. Room for expansion valve inside so that it's out of sight. UL Listed.

- Textured aluminum cabinet.
- Stainless steel screws.
- Motors are thermally protected and permanently lubricated.
- Compact design.
- Coated coil for optimum protection in corrosive environments.
- Internal junction box for electrical connection.
- UL classified to NSF standards.
- 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	
10	1000	120	1	0.8	3/8 OD	3/8 ID	1/2 OD	14
13	1300	170	2	1.6	3/8 OD	3/8 ID	1/2 OD	17
17	1700	210	2	1.6	3/8 OD	3/8 ID	1/2 OD	21
23	2300	330	3	2.4	3/8 OD	3/8 ID	1/2 OD	28

Dimensions H x W x D (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2
4-1/2 x 16-1/2 x 13-1/2	1	EA	97802	TAK10A 1000 BTU REACH-IN EVAPORATOR		
4-1/2 x 20-1/2 x 13-1/2	1	EA	97803	TAK13A 1300 BTU REACH-IN EVAPORATOR		
4-1/2 x 24 x 14-1/2	1	EA	97804	TAK17A 1700 BTU REACH-IN EVAPORATOR		
4-1/2 x 31-5/8 x 14-1/2	1	EA	97805	TAK23A 2300 BTU REACH-IN EVAPORATOR		



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
12	1200	265	2	1.6	3/8 OD	3/8 ID	1/2 OD	14
17	1700	245	1	1.0	3/8 OD	3/8 ID	1/2 OD	11

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		
8 x 18 x 8-1/8	1	EA	97811	VAK12A 1200 BTU REACH-IN EVAPORATOR		
9-3/4 x 14 x 10-1/2	1	EA	97812	VAK17A 1700 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



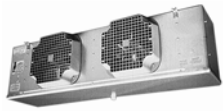
For use in salad boxes, back bars and direct draw boxes or wherever a compact unit is required. It can be mounted on the ceiling or wall. This unit draws air in through the front and discharges it out both sides to insure proper distribution of cool air and to maintain a uniform box temperature.

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	PC-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		

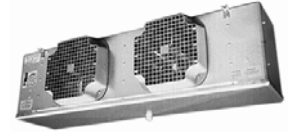
Evaporators with ECM Motors

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

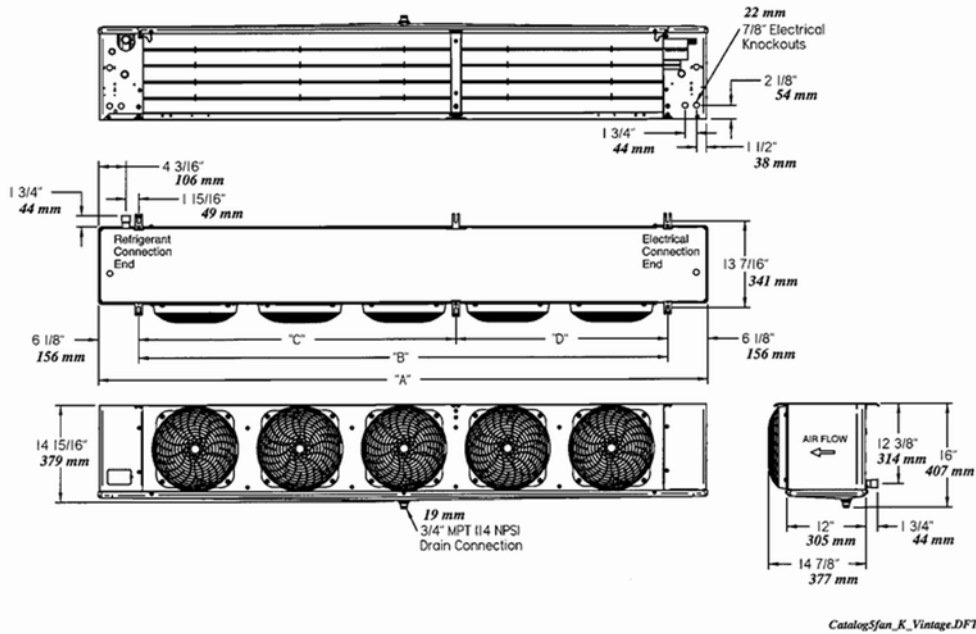
Evaporators with Shaded Pole Motors

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		

CHANDLER RLC and ELC Dimensional Data
REFRIGERATION



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.

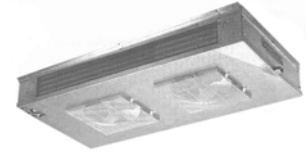


Model TLH Walk-In Evaporators Center Mount Air Defrost Unit Coolers

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.



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 receptacle is supplied with each motor. UL Listed.



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



- Oversized aluminum fin, 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
CH*040X6BFM	CS27K6E			37,270	1/2	1-1/8	30.3	44	20.0	29-3/4 x 42-1/2 x 30-1/4	324
CH*040X6CFM				37,270	1/2	1-1/8	20.7	38	20.0	29-3/4 x 42-1/2 x 30-1/4	324
CH*050X6BFM	CS33K6E			41,000	1/2	1-1/8	38	59	20.0	29-3/4 x 42-1/2 x 30-1/4	340
CH*050X6CFM				41,000	1/2	1-1/8	24.5	38	20.0	29-3/4 x 42-1/2 x 30-1/4	324

Low Temperature R-404A/507 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/507	-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 4580 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97872	CHT008X6BFM 7590 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97859	CHT009X6BFM 7850 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97860	CHT010X6BFM 8640 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97861	CHT010X6CFM 8640 BTU 230-3PH R404A MED TEMP CONDENSING UNIT		
1	EA	97862	CHT015X6BFM 12580 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97863	CHT015X6CFM 12580 BTU 230-3PH R404A MED TEMP CONDENSING UNIT		
1	EA	97864	CHT025X6BFM 15820 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97865	CHT025X6CFM 15820 BTU 230-3PH R404A MED TEMP CONDENSING UNIT		
1	EA	97866	CHT030X6BFM 24510 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97867	CHT030X6CFM 24510 BTU 230-3PH R404A MED TEMP CONDENSING UNIT		
1	EA	97868	CHT040X6BFM 33160 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97869	CHT040X6CFM 33160 BTU 230-3PH R404A MED TEMP CONDENSING UNIT		
1	EA	97870	CHT050X6BFM 38130 BTU 230-1PH R404A MED TEMP CONDENSING UNIT		
1	EA	97871	CHT050X6CFM 38130 BTU 230-3PH R404A MED TEMP CONDENSING UNIT		

Low Temperature R404A/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	97852	CHT031L6CF 15,909 BTU 230-3 R404A LOW TEMP CONDENSING UNIT		



Model CZ Air Cooled Condensing Units

2 through 6 HP, Indoor or Outdoor, with Scroll Compressors



- Copeland hermetic, new Glacier Scroll and the popular Copeland low temperature 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 (standard on all high and medium temperature models, adjustable low pressure control standard on low temperature models).
- All units completely leak tested in a helium environment and run tested.
- Includes: Crankcase heater, head pressure control flooding valve, liquid line drier, and sight glass.
- Air or Electric defrost timer: 1/2 to 3 HP low temp.
- Electric defrost with timer and contactors: 4 to 6 HP low temp.
- UL listed.

CZ* Series Outdoor

CZ* Model No.	Compressor	Refrigerant	Suction Temp.	BTUH @ 95° Ambient	Connections (In.)		Unit MCA‡		Receiver 90% Full (Lbs)	Dimensions H x W x D (In.)	Approx. Ship Wt. (Lbs.)
					Liquid IDS	Suction IDS	208/230/1	208/230/3			
CZ*025L6	ZF08K4E	HFC-404/507/22	-10° F	11,850	1/2	7/8	20	15	14	19-3/4 x 37-3/4 x 28-1/4	203
CZ*030L6	ZF09K4E		-10° F	13,200	1/2	7/8	20	15	14	19-3/4 x 37-3/4 x 28-1/4	197

‡ Minimum Circuit Amps: Air Defrost Type Unit.

* = T for outdoor, N for indoor, S for Beacon II.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1	PC-2 2
1	EA	97855	CZT025L6C 11,850 BTU 230-3 PH R404A LOW TEMP SCROLL COND UNI		
1	EA	97857	CZT030L6CF 13,200 BTU 230-3 PH R404A LOW TEMP SCROLL COND UNI		



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	98026	23102401 LOW PROFILE MOTOR MOUNT	
1	EA	98019	25300101S 1/20 115V 1550RPM CWSE MOTOR	
1	EA	98020	25300201S 1/20HP 230V 1550RPM CWSE MOTOR	
1	EA	98014	25300701S 1/150 HP 115V 3000 RPM CWSE 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 1/20HP 230V 1550RPM CWSE PSC MOTOR	
1	EA	98025	2531194 40MHP 115V 1550RPM CCWSE MOTOR	
1	EA	98023	2537974S 1/4HP 230V 1075RPM CCW MOTOR	
1	EA	98028	28900107 BEACON I TEMPERATURE SENSOR	
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	98016	5036SS 1/15HP 115V 1550RPM CWSE MOTOR	
1	EA	98018	5036TS 1/15HP 230V 1550RPM CWSE MOTOR	
1	EA	98012	5054D LEXAN FAN GUARD	
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	98022	7071208S 1/3HP 230V 1075RPM CCWSE MOTOR	
1	EA	98008	7075819 3 WIRE 50 DEG DEFROST THERMOSTAT	
1	EA	98009	92864003 3/4IN FPT W/3/4 CPLG DRAIN FITTING	
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.



HDH Horizontal Air Discharge Outdoor Condensing Units

15 through 40 HP with Discus Compressors



The HDH outdoor Discus condensing unit features a new leak resistant design which includes the patented fully Floating Tube condenser. The HDH features a high efficiency Copeland Discus compressor.

The electrical controls including compressor contactor and optional defrost control are located in an easily accessible control box with a hinged cover. UL listed.



HRI Indoor Condensing Units

3/4 through 30 HP with Reed Compressors



HRI models 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.

HRI models feature a Reed compressor. Receivers are sized for sufficient pumpdown capacity and vapor-free liquid. The HRI cabinet is constructed from pre-painted G90 galvanized steel. UL Listed.



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



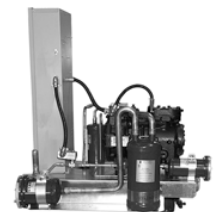
Model SWN are "vessel-mounted" indoor water cooled condensing units. They are complete with a shell and tube, cleanable, water cooled, condenser for those applications where air cooled condensers would not be practical, or water is readily available.

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 possibility 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.



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, water, and other harmful elements.

G-52 SPECTRACOOL™ Indoor/Outdoor Model

An energy-efficient rotary compressor and new earth-friendly refrigerant provide reliable cooling in rugged indoor and outdoor environments. All models are built with corrosion-resistant components and are Telecordia GR-487 capable.

Genesis® Compact Indoor Model

The Type 12 air conditioner of choice for light-duty manufacturing process control applications.

G-52 SPECTRACOOL Model

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	69141	G52-0826-G050 8000 BTU 230V MCLEAN UNIT	

Genesis Model

1	EA	69151	M28-0626-G030HD 6000 BTU 230V 1PH CABINET COOLER	
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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

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98100	SM-50-A 50# STD OCTAGON AIR COOLED ICE MACHINE

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc Indigo Series 300 Ice Cube Machine



- Space-saving Design
- Intelligent diagnostics
- Acoustical ice sensing probe
- EasyRead display
- Programmable ice production

- Easy-to-clean foodzone
- DuraTech exterior

Shown on B-400 Bin

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	

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

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc Indigo Series 322 Ice Cube Machine



- Space-saving Design
- Intelligent diagnostics
- Acoustical ice sensing probe
- EasyRead display
- Programmable ice production
- Easy-to-clean foodzone
- DuraTech exterior

Shown on B-400 Bin

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 and B-420
ID-0323W	330	Dice	21-1/2	22	24-1/2	115/60/1	
ID-0324A	350	Half-Dice	21-1/2	22	24-1/2	115/60/1	
ID-0325W	350	Half-Dice	21-1/2	22	24-1/2	115/60/1	

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98262	ID-0322A 350# DICE AIR COOLED
1	EA	98895	ID-0323W 330# DICE WATER COOLED
1	EA	98275	IY-0324A 350# HALF DICE AIR COOLED
1	EA	98276	IY-0325W 350# HALF DICE WATER

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc Indigo Series 450 Ice Cube Machine



- Space-saving Design
- Intelligent diagnostics
- Acoustical ice sensing probe
- EasyRead display
- Programmable ice production
- Easy-to-clean foodzone
- DuraTech exterior

Shown on B-400 Bin

Model	Pounds/Day	Cube Size	Height (In.)	Width (In.)	Depth (In.)	Voltage	Compatible Ice Storage Bin
ID-0452A	420	Dice	21-1/2	30	24-1/2	115/60/1	B-400 and B-570
ID-0453W	430	Dice	21-1/2	30	24-1/2	115/60/1	
ID-0454A	450	Half-Dice	21-1/2	30	24-1/2	115/60/1	
ID-0455W	450	Half-Dice	21-1/2	30	24-1/2	115/60/1	

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98263	ID-0452A 450# DICE AIR COOLED
1	EA	98264	ID-0453W 450# DICE WATER COOLED
1	EA	98277	IY-0454A 450# HALF DICE AIR COOLED
1	EA	98278	IY-0455W 450# HALF DICE WATER COOLED

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc Indigo Series 500 Ice Cube Machine



- Space-saving Design
- Intelligent diagnostics
- Acoustical ice sensing probe
- EasyRead display
- Easy-to-clean foodzone
- DuraTech exterior
- Programmable ice production

Shown on B-400 Bin

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-400 and B-570
ID-0503W	550	Dice	21-1/2	30	24-1/2	115/60/1	
ID-0592N	480	Dice	21-1/2	30	24-1/2	115/60/1	
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	
IY-0594N	510	Half-Dice	21-1/2	30	24-1/2	115/60/2	

Ice Machines

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98896	ID-0502A 530# DICE AIR COOLED
1	EA	98897	ID-0503W 550# DICE WATER COOLED
1	EA	98898	ID-0592N 480# DICE REMOTE COOLED
1	EA	98279	IY-0504A 560# HALF DICE AIR COOLED
1	EA	98280	IY-0505W 560# HALF DICE WATER COOLED
1	EA	98899	IY-0594N 510# HALF DICE REMOTE COOLED

Condenser for use with SY-0594N and SD-0592N for Remote Condensing Operation

1	EA	98200	JC-0495 S-500 SERIES REMOTE AIR COOLED CONDENSING UNIT
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Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc Indigo Series 600 Ice Cube Machine



- Space-saving Design
- Intelligent diagnostics
- Acoustical ice sensing probe
- EasyRead display
- Easy-to-clean foodzone
- DuraTech exterior
- Programmable ice production

Shown on B-400 Bin

Model	Pounds/Day	Cube Size	Height (In.)	Width (In.)	Depth (In.)	Voltage	Compatible Ice Storage Bin
ID-0602A	650	Dice	21-1/2	30	24-1/2	208-230	B-400 and B-570
ID-0603W	650	Dice	21-1/2	30	24-1/2	208-230	
ID-0696N	650	Dice	21-1/2	30	24-1/2	208-230	
ID-0604A	650	Half-Dice	21-1/2	30	24-1/2	208-230	
ID-0605W	650	Half-Dice	21-1/2	30	24-1/2	208-230	
ID-0696N	650	Half-Dice	21-1/2	30	24-1/2	208-230	

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98266	ID-0602A 650# DICE AIR COOLED
1	EA	98267	ID-0603W 650# DICE WATER COOLED
1	EA	98902	ID-0696N 630# DICE REMOTE COOLED
1	EA	98281	IY-0604A 650# HALF DICE AIR COOLED
1	EA	98282	IY-0605W 650# HALF DICED WATER COOLED
1	EA	98903	IY-0696N 630# HALF DICE REMOTE COOLED

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc Indigo Series 1000 Ice Cube Machine



Shown on B-970 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-1002A	990	Dice	26-1/2	30	24-1/2	208-230	B-570 and B-970
ID-1003W	1000	Dice	26-1/2	30	24-1/2	208-230	
ID-1092N	960	Dice	26-1/2	30	24-1/2	208-230	
ID-1004A	1010	Half-Dice	26-1/2	30	24-1/2	208-230	
ID-1005W	1010	Half-Dice	26-1/2	30	24-1/2	208-230	
ID-1094N	1020	Half-Dice	26-1/2	30	24-1/2	208-230	

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98269	ID-1002A 1010# DICE AIR COOLED
1	EA	98906	ID-1003W 1000# DICE WATER COOLED
1	EA	98270	ID-1092N 1010# DICE REMOTE AIR
1	EA	98285	IY-1004A 1010# HALF DICE AIR COOLED
1	EA	98907	IY-1005W 1010# HALF DICE WATER COOLED
1	EA	98286	IY-1094N 1010# HALF DICE REMOTE AIR

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc Indigo Series 1200 Ice Cube Machine



Shown on B-970 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-1202A	1100	Dice	29-1/2	30	24-1/2	208-230	B-570 and B-970
ID-1203W	1165	Dice	29-1/2	30	24-1/2	208-230	
ID-1204A	1205	Half-Dice	29-1/2	30	24-1/2	208-230	
ID-1205W	1170	Half-Dice	29-1/2	30	24-1/2	208-230	

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98271	ID-1202A 1205# DICE AIR COOLED
1	EA	98272	ID-1203W 1205# DICE WATER COOLED
1	EA	98930	IY-1204A 1205# HALF DICE AIR COOLED
1	EA	98287	IY-1205W 1205# HALF DICE WATER COOLED

Call your local G.W. Berkheimer representative for pricing and availability.

Indigo Series 1400 Ice Cube Machine



- Space-saving Design
- Intelligent diagnostics
- Acoustical ice sensing probe
- EasyRead display
- Easy-to-clean foodzone
- DuraTech exterior
- Programmable ice production

Shown on B-970 Bin

Model	Pounds/Day	Cube Size	Height (In.)	Width (In.)	Depth (In.)	Voltage	Compatible Ice Storage Bin
ID-1402A	1500	Dice	26-1/2	48	24-1/2	208-230	B-970 only
ID-1403W	1515	Dice	26-1/2	48	24-1/2	208-230	
ID-1492N	1430	Dice	26-1/2	48	24-1/2	208-230	
IY-1404A	1550	Half-Dice	26-1/2	48	24-1/2	208-230	
IY-1405W	1565	Half-Dice	26-1/2	48	24-1/2	208-230	
IY-1494N	1480	Half-Dice	26-1/2	48	24-1/2	208-230	

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98908	ID-1402A 1500# DICE AIR COOLED
1	EA	98909	ID-1403W 1515# DICE WATER COOLED
1	EA	98911	ID-1492N 1430# DICE REMOTE COOLED
1	EA	98912	IY-1404A 1550# HALF DICE AIR COOLED
1	EA	98913	IY-1405W 1565# HALF DICE WATER COOLED
1	EA	98914	IY-1494N 1480# HALF DICE REMOTE COOLED

Call your local G.W. Berkheimer representative for pricing and availability.

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

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

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc NEO 140 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-0140A	129	Dice	32-1/2	26	28	115/60/1	90
UD-0140W	135	Dice	32-1/2	26	28	115/60/1	90
UY-0140A	132	Half-Dice	32-1/2	26	28	115/60/1	90
UY-0140W	126	Half-Dice	32-1/2	26	28	115/60/1	90

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98915	UD-0140A 129# DICE AIR COOLED
1	EA	98916	UD-0140W 135# DICE WATER COOLED
1	EA	98917	UY-0140A 132# HALF DICE AIR COOLED
1	EA	98918	UY-0140W 126# HALF DICE WATER COOLED

Call your local G.W. Berkheimer representative for pricing and availability.

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
UD-0310W	271	Dice	32-1/2	30	28	115/60/1	100
UY-0310A	304	Half-Dice	32-1/2	30	28	115/60/1	100
UY-0310W	271	Half-Dice	32-1/2	30	28	115/60/1	100

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98926	UD-0240A 225# DICE AIR COOLED
1	EA	98927	UD-0240W 201# DICE WATER COOLED
1	EA	98928	UY-0240A 225# HALF DICE AIR COOLED
1	EA	98929	UY-0240W 212# HALF DICE WATER COOLED

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc NEO 310 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
UD-0310W	271	Dice	32-1/2	30	28	115/60/1	100
UY-0310A	304	Half-Dice	32-1/2	30	28	115/60/1	100
UY-0310W	271	Half-Dice	32-1/2	30	28	115/60/1	100

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98919	UD-0310A 304# DICE AIR COOLED
1	EA	98920	UD-0310W 271# DICE WATER COOLED
1	EA	98921	UY-0310A 304# HALF DICE AIR COOLED
1	EA	98922	UY-0310W 271# HALF DICE WATER COOLED

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc Ice/Beverage Series 890C Remote Ice Cube Machine



- Space-saving design
- Can be installed or retrofitted to virtually any commercial beverage dispenser
- Intelligent diagnostics.
- Acoustical ice sensing probe
- Programmable ice production
- DuraTech exterior
- Available LuminIce growth inhibitor

Model No.	Pounds/Day	Cube Size	Height (In)	Width (In)	Depth (In)	Voltage
IB-0894YC	865	Half-Dice	26-1/2	22	14	115/60/1

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98923	IB-0894YC 865# HALF DICE REMOTE MACHINE

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc 800C Series Ice/Beverage Machine



- Stainless steel exterior with fit and finish of an appliance enhances any self-serve environment
- Patented built-in cleaning and sanitizing technology
- CVD technology improves reliability and extends life of the compressor
- 5-year parts and 5-year labor coverage on ice machine evaporator
- 5-year parts and 3-year labor coverage on ice machine compressor
- 3-year parts-and-labor coverage on all other ice machine components

Model No.	Pounds/Day	Cube Size	Height (In)	Width (In)	Depth (In)	Voltage
IB-0824YC	680	Half-Dice	26-1/2	22	14	115

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98172	IB-0824YC 760# HALF DICE ICE BEVERAGE MACHINE

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc ICVD Remote Condensing Units Vertical Discharge



Remote air-cooled condenser systems improve efficiency, increase ice production, and conserve energy.

Remote systems for Series 500, 600, 850, 1000, 1400 and 1800 ice machines consist of ice maker, bin, remote condenser, and interconnecting refrigerant lines.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98924	ICVD-0996 REMOTE CONDENSING UNIT
1	EA	98925	ICVD-1496 REMOTE CONDENSING UNIT

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc B-Style Ice Storage Bins



Stainless steel exterior is durable, corrosion-resistant, and attractive. One 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 (I)	Width (In)	Depth (In)
	ARI/Lbs.	Cubic Ft.					
B-170	150	6.1	300, 450, 500	68	25	30	29-1/2
B-320	210	8.9	322, 422	84	38	22	34
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
B-970	710	29.7	1400C, 1600, 1800	168	50	48	34

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98173	B-170 180# CAPACITY ICE STORAGE BIN
1	EA	98174	B-320 210# 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	B-570 430# CAPACITY ICE STORAGE BIN
1	EA	98178	B-970 710# CAPACITY ICE STORAGE BIN

Call your local G.W. Berkheimer representative for pricing and availability.

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

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98210	RT-20-R-404A 500, 600, 850, 1000 SERIES 20FT LINE-SET
1	EA	98211	RT-35-R-404A 500, 600, 850, 1000 SERIES 35FT LINE-SET
1	EA	98212	RT-50-R-404A 500, 600, 850, 1000 SERIES 50FT LINE-SET
1	EA	98213	RL-20-R-404A 500, 600, 850, 1000 SERIES 20FT LINE-SET
1	EA	98214	RL-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
1	EA	98218	RC-20 QUIETCUBE SERIES 20 LINE-SET
1	EA	98219	RC-21 QUIETCUBE SERIES 20 LINE SET
1	EA	98220	RC-30 QUIETCUBE SERIES 30 LINESET
1	EA	98221	RC-31 QUIETCUBE SERIES 30 LINESET
1	EA	98222	RC-50 QUIETCUBE SERIES 50 LINE-SET
1	EA	98223	RC-51 QUIETCUBE SERIES 50 LINE-SET

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc AuCS Automatic Cleaning System



The AuCS accessory virtually eliminates routine maintenance. It counts the number of ice-making cycles and, at a frequency you select, initiates a cleaning or sanitizing cycle automatically. Choose from 2, 4 or 12-week settings.

- The AuCS-SO accessory can be used only on S-300, S-322, S-422 and IB series ice machines. This option is installed on the outside of the machine.
- The AuCS-SI accessory can be used only on S-450, 500, 600, 850, 1000, 1200, 1400, 1600 and 1800 series ice machines. This option is installed on the inside of the machine.
- The AuCS-A accessory can be used only on series Q280 through Q1800 and Q-Dual.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98230	AUCS-SI-271 230 VOLT AUTOMATIC CLEANING SYSTEM
1	EA	98231	AUCS-SO-161 115 VOLT AUTOMATIC CLEANING SYSTEM
1	EA	98232	AUCS-SO-271 230 VOLT AUTOMATIC CLEAN
1	EA	98233	AUCSA-161 115 VOLT AUTOMATIC CLEAN

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc Filtration and Cleaning Accessories



Guardian

The Guardian Slime Inhibitor accessory releases chlorine dioxide on a controlled basis to inhibit the growth of bacteria and fungi that form slime and cause odors in the food zone of ice machines.

The Guardian Slime Inhibitor can be used on the S-Series 300, 322, 422, 450, 500, 600, 850, 1000, 1200, 1400, 1600 and 1800 ice machine models.

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.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98234	GS1200 GUARDIAN SLIME INHIBITOR
6	BOX	98249	K-00206 REPLACEMENT SACHET FOR GS1200, 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

Call your local G.W. Berkheimer representative for pricing and availability.

Manitowoc Accessories and Kits

Bin Adapter Kits

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	98255	K-00365 22IN Q OR S TO 30IN DISPENSER BIN ADAPTER
1	EA	98257	K-00370 Q OR S ICE MACHINE TO 48IN B/S-970 BIN ADAPTER KIT

Drain Pump Kit

1	EA	98259	K-00376 SM-50A 12IN RISE 100 FT DRAIN PUMP KIT
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Ice Bagger Kit

1	EA	98236	K-00068 1000 COUNT REPLACEMENT ICE BAG KIT
1	EA	98244	K-00146 ICE BAGGER W/ BAGS AND TIES

Ice Deflector Kits

1	EA	98253	K-00347 30IN F-STYLE BIN ICE DEFLECTOR
1	EA	98254	K-00349 48IN F-STYLE BIN ICE DEFLECTOR

Remote Coupling Kit

1	EA	98216	K-00129 REMOTE COUPLING KIT
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Optional Components

1	EA	98180	K-00346 DISPENSER BAFFLE KIT
1	EA	98217	K-00166 S-STRAP KIT FOR CV
1	EA	98238	K-00137 STAINLESS STEEL FLANGE FOOT
1	EA	98239	K-00138 CASTER KIT
1	EA	98243	K-00144 UNDERCOUNTER AND B-400 BIN 12IN ADJUSTABLE FLANGE
1	EA	98245	K-00151 6IN ADJUSTABLE FLANGE
1	EA	98250	K-00209 DISPENSER THERMOSTAT KIT

Call your local G.W. Berkheimer representative for pricing and availability.



BI-98B Compact Ice Maker

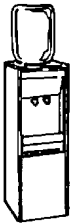


For home, office, motel. Cubes when and where you want them. Produces 23 pounds per day (1050 cubes). The storage bin holds 1050 cubes. Compact size: 27-3/8" H x 14-13/16" W x 20" D. Black. No drain required. One year limited warranty on parts and labor, five year parts only warranty on the compressor.

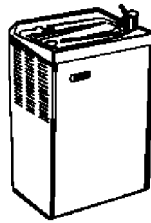
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	95886	BI-98B ICE MAKER-BLACK	



Water Coolers



BPE1SHS



P8M

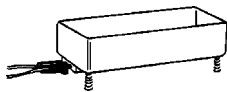


P10CP

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	45 Cups/Hr.	38-1/2 x 12-1/4 x 12-1/4	1	EA	96485	BPD1SHS HOT-N-COLD BTLD WTR COOLER	
0.6	N/A	38-1/2 x 12-1/4 x 12-1/4	1	EA	96486	BPE1SK BTLD WTR COOLER	
8	N/A	26 x 17 x 14	1	EA	96497	P8M ON-A-WALL 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	

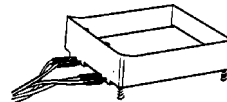


Condensate Drain Pans For Commercial Refrigerators and Freezers



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

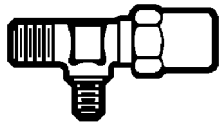
Fits any domestic and commercial refrigerator or room air conditioner
1/8 HP to 5 HP.



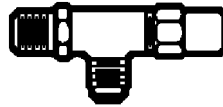
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94872	BC-1 .081OD X .031ID CAP TUBE	
1	EA	94873	BC-2 .093OD X .040ID CAP TUBE	
1	EA	94874	BC-3 .093OD X .052ID CAP TUBE	
1	EA	94875	BC-4 .125OD X .064ID CAP TUBE 12 FT	
1	EA	94876	BC-5 .071OD X .028ID CAP TUBE	



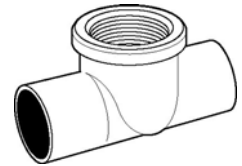
Packed Angle Relief Valve



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	

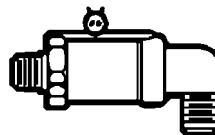
Backseating Angle Relief Valve

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	

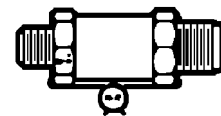
WT602 Forged Tee C x C x F

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® Pressure Relief Valves
 Tube • Fittings • Valves



Angle MPT to Flare



Straight Through MPT to Flare

Straight Through 235 & 400 Lb. MPT Inlet to Flare

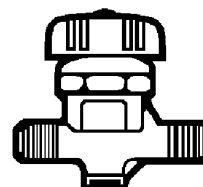
Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/4 MPT x 3/8 Flare	1	EA	93370	AD 15501-235 STRT RELIEF VALVE	
1/4 MPT x 3/8 Flare	1	EA	93371	AH 15501-400 STRT RELIEF VALVE	
3/8 MPT x 3/8 Flare	1	EA	93372	AD 15502-235 STRT RELIEF VALVE	
3/8 MPT x 1/2 Flare	1	EA	93374	AD 15503-235 STRT RELIEF VALVE	

450 Lb. Relief Valve MPT Inlet to Flare (Angle & Straight)

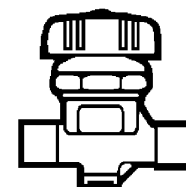
1/4 MPT x 3/8 Flare	1	EA	93380	AJ15501-450 STRT RELIEF VALVE	
3/8 MPT x 3/8 Flare	1	EA	93381	AJ15502-450 STRT RELIEF VALVE	
1/4 MPT x 3/8 Flare	1	EA	93383	BJ33746-450 ANGLE RELIEF VALVE	
3/8 MPT x 3/8 Flare	1	EA	93384	AJ15512-450 ANGLE RELIEF VALVE	
1/2 MPT x 5/8 Flare	1	EA	93385	AJ15514-450 ANGLE RELIEF VALVE	

Streamline® Packless Line Valves
 Tube • Fittings • Valves

Frost Proof Type I Series incorporates an "O" ring which prevents moisture from entering the diaphragm chamber, eliminating any possibility of valve freeze-up. All valves have full size openings for maximum flow with minimum restriction. The maximum working pressure is 500 PSI with flow in direction of the arrow on the body and 350 PSI with flow against the arrow.



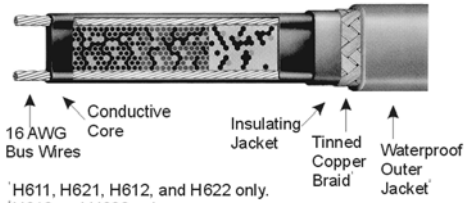
Straight through Flare to Flare Type I



Straight Through Solder to Solder Type I

Equivalent to Henry Valve No.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5154	1	EA	93284	A14836 1/2 IN FLARE 2 WAY VALVE	
5163	1	EA	93287	A14840 3/8 IN ODS 2 WAY VALVE (QA14840)	
5164	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.

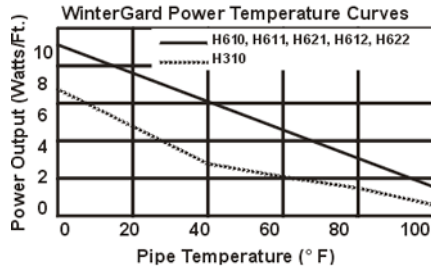
WinterGard Plus

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.

Power Output



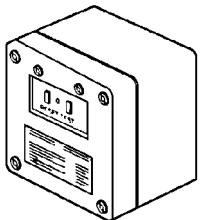
Model No.	"H" Cable Type	Cable Construction*	Voltage	Watts/Ft.**	Reel Length
H311250	WinterGard H311	1	120	3	250
H611250	WinterGard Plus H611	1	120	6	250
H621100	WinterGard Plus H621	1	240	6	100
H621250	WinterGard Plus H621	1	240	6	250
H612250	WinterGard Plus H612	2	120	6	250
H622250	WinterGard Plus 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

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.



H908

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	

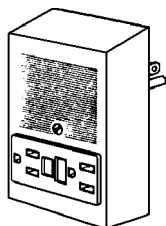
NOTE: H904 for use with H612 and H622.

Raychem Gardian Pipe Heating Cable

Pre-assembled Heater for Short Pipe Runs



W51/W52



H931

- The ideal freeze-protection for pipes in unheated attics, basements, and garages. For use with intake and drain lines, water meters, outside pipes, and taps.
- There's no assembly required. Just attach the heater to the pipe, insulate, and plug it in.
- The 240V pre-assembled Gardian heater is easy and convenient for use in refrigeration applications. It prevents freeze-up problems on freezer doors, in drain pans, and drain lines.
- UL Listed

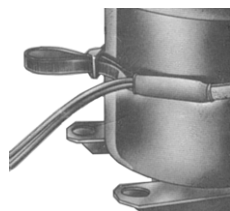
Specifications

- 2" diameter
- 5 watt
- 120 volt (W51)
- 240 volt (W52)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	



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

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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, uninterrupted 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 this 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 outdoor 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 Outdoor Sensor	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		

See page 7-1 for further information on accessories.

RedLINK 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 humidification and dehumidification.

System Kits Include

Model No	Thermostat	Equipment Interface Module	Equipment 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 or Non-Programmable	Battery or Hardwired	2	2	Heat-Off-Cool-Auto-Em. Heat	On-Auto-Circ-Follow Schedule	32-120
TH8320R1003			(3/Heat Pump)				
TH8110R1008			1	1			

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		

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 FocusPRO™ 6000 5-1-1 Day Programmable Thermostats



- Simultaneous set and room temperature display
- Backlit display
- Dual powered (battery and hardwire)
- Auto changeover: manual, auto or auto-only (selectable)
- Millivolt compatible
- Adaptive intelligent recovery
- Configurable to heat only
- Configurable to cool only
- Single stage heat pump
- Compressor protection in cooling
- Compressor protection in heating (heat pump)
- 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		
12	EA	73367	TH6320U1000/U 3 HEAT 2 COOL PROGRAMMABLE THERMOSTAT		

Accessories

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 Digital Non-Programmable Thermostats



- Simultaneous set and room temperature display
- Backlit display
- Dual powered (battery and hardwire)
- Auto changeover manual, auto or auto-only (selectable)
- Millivolt compatible
- Configurable to heat only
- Configurable to cool only
- Single-stage heat pump
- Compressor protection in cooling
- Compressor protection in heating (heat pump)
- 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		
12	EA	73366	TH5320U1001/U 3 HEAT 2 COOL NON PROGRAMMABLE THERMOSTAT		

Accessories

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 5-2 Day Programmable Thermostats



- 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 Non-Programmable Thermostat



- Simultaneous set and room temperature display
- Backlit display
- Heat On indication
- Cool On indication
- Battery Powered
- Millivolt compatible
- System and fan switch
- 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	73341	TH3110D1008/U 1H-1C FOCUS PRO THERMOSTAT BACKLIT DISPLAY WH		

Honeywell PRO 2000 Programmable Thermostat



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 Non-Programmable Thermostat



Dual-Powered: Battery and/or hardwire.

Clear, backlit digital display: Easy to read in various lighting conditions.

2-Year warranty

TH1110DV1009: 1 heat/1 cool, non-programmable

TH1210DV1007: 2 heat/1 cool, heat pump, non-programmable

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 Thermostat

Remote Access from Smartphone, Tablet or PC



- No "C-Wire" required for most HVAC applications for easier install
- Keeps your contact information in your customer's smartphone or tablet, so you are just a tap away when service is needed
- Sensi app allows your customers to always be connected to their home comfort anytime
- Sensi thermostat operates like a standard programmable thermostat when not connected to Wi-Fi
- Up to 4 Heat/2 Cool stages
- Set Point Temperature Range: 45 to 99° F
- 20 to 30 VAC, 50-60 Hz
- 2.5 amps maximum load
- For use with single or multi-stage conventional or heat pump systems

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
6	EA	75879	1F86U-42WF SENSI THERMOSTAT WIFI		
6	EA	75850	F61-2663 6-3/4IN X 4-1/2IN WHITE WALLPLATE SENSI WI-FI		

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	
	1F85U-42PR	1F85U-42NP	1F85U-22PR	1F85U-22NP	1F85H-21PR	1F83H-21NP	1F83C-11PR	1F83C-11NP
Model No.								
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 Inspire™ Easy Install Universal 4-Wire Thermostat System Full Color Display



- Includes user interface and equipment control
- Thin profile with full color display
- USB Port to upload programs and service reminders
- Humidification and dehumidification control
- Heat pump dual fuel control
- Compatible with outdoor sensor F145-1378
- 7 day, 5-2 day, or non-programmable
- Stages:
Heat pump: 4 Heat/2 Cool
Multistage: 2 Heat/2 Cool
- Setpoint Temp. Range: 45° to 99° F
- Operating Temperature Range:
Interface: 32° to 105° F
Control: -30° to +105° F

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75783	1HDEZ-1521 4 WIRE UNIVERSAL INSPIRE THERMOSTAT SYSTEM		

White-Rodgers Blue Easy Install™ Wireless Thermostat System 6 Sq. In. Display



- Universal-compatible with single- and multi-stage, heat pump and heat pump with dual fuel applications
- Addresses hot and cold spots
- Premium humidity control
- Easy-to-read 6" display on comfort interface
- +/- 1° accuracy
- Choice of 7 day programmable or non-programmable
- Choice of 4 or 2 program periods per day
- Setpoint Temperature Range: 45 to 99° F
- Operating Ambient Temperature:
1F98EQ-1621 Comfort Interface: 14 to 131° F
1F98EZ-1621 Equipment Control: -13 to 158° F
F145RF-1600 Wireless Sensor: -4 to 129° F

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75835	1F98EZ-1621 6IN WIRELESS EASY INSTALL THERMOSTAT SYSTEM	
1	EA	75836	F145RF-1600 WIRELESS REMOTE INDOOR OR OUTDOOR TEMP SENSOR	

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

1F98EZ-1421 and 1F98EZ-1441

Easy-to-Install

- Heat Pump, 4 Heat/2 Cool; Multi-stage 2 heat/2 cool
- Setpoint Temperature Range: 45 to 99° F
- Operating Ambient Temperature: 32 to 105° F
- Universal installer selectable system applications

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		
1	EA	75828	1F98EZ-1421 12IN 4 WIRE EASY INSTALL THERMOSTAT		
1	EA	75829	1F98EZ-1441 12IN 4 WIRE THERMOSTAT W/OUTDOOR REMOTE SENSOR		

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



- Spanish language models available
- Exclusive battery power monitor
- Millivolt and hydronic zone valve compatible
- Energy Star rated
- +/- 1° F accuracy
- 5-year warranty

1F80-0471

- 1 heat/1 cool
- Single-stage
- Programmable

1F83-0471

- 3 heat/2 cool stages
- Non-programmable

1F85-0422

- 2 heat/2 cool stages
- Programmable

1F85-0477

- 2 heat/2 cool stages
- Single-stage
- Programmable

1F86-0471

- 1 heat/1 cool
- Single-stage
- Non-programmable

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75309	1F80-0471 BLUE PROGRAMMABLE THERMOSTAT		
1	EA	75305	1F83-0471 BLUE UNIVERSAL NON-PROG THERMOSTAT W/ WALL PLATE		
1	EA	75786	1F85-0422 BLUE NON OR PROGRAMMABLE DIGITAL UNIVERSAL THERMOSTAT		
1	EA	76234	1F85-0477 4IN BLUE 2H-2C UNIVERSAL SINGLE STG OR HEAT THERMOSTAT		
1	EA	75308	1F86-0471 BLUE NON PROGRAMMABLE THERMOSTAT		
1	EA	75758	F61-2634 6-1/2IN W X 5IN H WALL PLATE FOR 80&90 SERIES BLUE		

White-Rodgers Blue Thermostats

2 Sq. In. Display



- Programmable and non-programmable models
- Choice of heat pump or single-stage models
- Exclusive Cool Savings™ feature saves energy during peak A/C demand periods
- Long battery life—uses 2 AA alkaline batteries
- Exclusive battery power monitor
- Energy Star rated
- +/- 1° F accuracy
- 5-year warranty

1F80-0261

- 1 heat/1 cool heat pump stages
- Single-stage
- Programmable 5+1+1 day

1F82-0261

- 2 heat/1 cool heat pump stages
- Programmable 5+1+1 day

1F86-0244

- 1 heat/1 cool
- Single-stage
- Non-programmable

1F89-0211

- 2 heat/1 cool heat pump stages
- Non-programmable

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	75788	1F80-0261 2IN BLUE 1/1 SS 5+1+1 PROGRAMMABLE THERMOSTAT		
1	EA	75789	1F82-0261 2IN BLUE 2/1 5+1+1 HEAT PUMP PROGRAMMABLE THERMOSTAT		
1	EA	75790	1F86-0244 2IN BLUE 1/1 SINGLE STAGE NON-PROGRAMMABLE THERMOSTAT		
1	EA	75791	1F89-0211 2IN BLUE 2/1 HP NON-PROGRAMMABLE 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 output 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 Outdoor Sensor

Compatible with all White-Rodgers thermostats with indoor remote sensor option.

F145-1378 Indoor Sensor

Compatible with all White-Rodgers thermostats with indoor remote sensor option.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75469	F145-1378 COMFORT SET 90 OUTDOOR REMOTE SENSOR	
1	EA	75501	F145-1328 COMFORT SET 90 INDOOR REMOTE SENSOR	

White-Rodgers® 80 Series (Classic) Thermostats



1F80-361

- 5+1+1 programmable
- 1 heat/1 cool single stage
- Energy star rated
- +/- 1° F accuracy

1F82-261 Programmable Thermostat

- For heat pump applications
- 5+1+1 programmable
- 2 heat/1 cool HP stages
- Energy star rated
- +/- 1° F accuracy
- 1.8 sq. in. display

1F85-277

- 2 heat/2 cool single-stage
- 5+1+1 programmable or non-programmable
- Energy star rated
- +/- 1° F accuracy

1F86-344 Non-programmable

- 1 heat/1 cool single-stage
- +/- 1° F accuracy
- Setpoint storage in case of power loss
- 2.2 sq. in. display

1F89-211 Non-programmable

- For heat pump applications
- 2 heat/1 cool HP stages
- Setpoint storage in case of power loss
- 1.8 sq. in display
- Non-programmable
- +/- 1° F accuracy

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	75367	1F85-277 BLUE 7-DAY WHITE UNIVERSAL PROG/NON-PROG THERMOSTAT		
1	EA	75344	1F86-344 WHITE SET POINT NON-PROGRAMMABLE THERMOSTAT		
1	EA	75607	1F89-211 WHITE SET POINT HEAT PMP 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 THERMOSTAT		
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	SC045 45 DEGREE TEMP STAT COOL ONLY	
Cool	55	10	EA	75998	SC055 55 DEGREE TEMP STAT COOL ONLY	
Heat	60	10	EA	75999	SC060 60 DEGREE TEMP STAT HEAT ONLY	
Heat	65	10	EA	76000	SC065 65 DEGREE TEMP STAT - HEATING ONLY	
Heat	70	10	EA	76010	SC070 70 DEGREE TEMP STAT - HEATING ONLY	

Aprilaire® 8900 Series WiFi Programmable Thermostats IAQ Control



- WiFi with Smart IAQ
- Integrated indoor air quality control
- Event-Based™ air cleaning
- 3-wire design
- Universal 3H/3C or 4H/2C HP
- Dual fuel operation
- Service reminders for humidifier, air cleaner, and dehumidifier
- 7-day programmable
- Outdoor air temperature sensor included

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	

Aprilaire® 8600 Series WiFi Programmable Thermostats Universal



- Programmable Fan and Circulate Fan mode
- Event-Based™ air cleaning
- Universal 2H/2C or 4H/2C HP
- Built-in dual fuel kit
- Service reminders for water panel, air filter, and dehumidifier
- 7-day programmable
- Outdoor air temperature sensor included

- 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	

Aprilaire® 8400 Series WiFi Programmable Thermostats



- Circulate Fan mode
- Event-Based™ air cleaning
- Universal 2H/2C or 4H/2C HP
- Built-in dual fuel control
- Service reminders for water panel, air filter, and dehumidifier
- 7-day programmable

- 4.5" H x 5.25" W x 1" D
- Large Backlit Display

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	70087	8476W UNIVERSAL WIFI PROGRAMMABLE THERMOSTAT W/EVENT BASE	

Aprilaire® 8400 Series Programmable Thermostats



- 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	

Aprilaire® 8400 Series Non-Programmable Thermostats



- 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	35 to 95	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
Locked Rotor	44.4	22.2	96.0	40.0

Electrical Ratings (Amperes): T631C

T631C	SPDT Snap Switch				SPDT 1 HP Switch			
	24 Vac	120 Vac	240 Vac	277 Vac	R-W		R-B	
					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



Three-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 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 $\pm 1^\circ\text{F}$ 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 $\pm 1^\circ\text{F}$ 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 THERMOSTAT MODULATING HEAT/COOL	



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	



T32AH Adjustable Thermostat



The T32AH is a Heat/Cool thermostat featuring all solid state reliability, flawless temperature control, and quick installation. For use with 24 to 30 Vac systems (Min./max loads: .05/1.0 amps.) This is a single unit that does not require subbase assembly.

No leveling, calibration or recalibration, bi-metal elements, or anticipators to adjust.

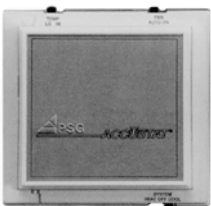
Temperature Range: 40 to 90° F.

Switching: System On/Off fan.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76019	T32AH HT/CL 40/90F THERMOSTAT	



LA-1, LH-1, and LAH-11 Single-Stage Accustat Thermostats



Single-stage models are most commonly used to achieve set point control of room temperature. They operate with single-stage heating, cooling, or combined heating and cooling systems. Locking case is standard with all models.

LA-1: For cooling applications, requires 1 sensor, has 2-position Auto/On switch and 2-position Off/On switch.

LH-1: For heating applications, requires 1 sensor and has 2-position Off/On switch.

LAH-11: For heating/cooling applications, requires 2 sensors, has 2 position Auto/On switch and 3-position Heat/Off/Cool switch.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76030	LA-1 COOLING ONLY SINGLE STAGE L/VOLT ACCUSTAT	
1	EA	76032	LH-1 HEATING ONLY SINGLE ST LOW VOLT ACCUSTAT	
1	EA	76035	LAH-11 HT AND CL SINGLE STAGE L/VOLTAGE ACCUSTAT	



S Series and AS-90 Sensors



S Series



AS-90

S Series Sensors

As temperature changes, a column of mercury rises or falls in a glass capillary tube. On/Off switching is achieved by two hermetically sealed platinum electrodes. In the heating mode, as the mercury makes contact with the top electrode, the heating system is turned off. In the cooling mode, the cooling is turned on.

AS-90 Sensor

This adjustable, snap-in sensor mounts in all Accustat® models, including low and line voltage, single and multistage, heat pump, and limiters. Can be used in combination with preset type sensor. Compact dimensions of the AS-90 allow it to fit within standard Accustat locking cases.

- **Adjustment Range:** 40 to 90° F (knurled knob with screwdriver slot).
- **Accuracy:** $\pm 2^\circ$ F.
- **Differential (In Air):** 1 to 3° F (depending upon characteristics of heating/cooling system).

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76085	AS-90 40/90F ADJUSTABLE SENSOR	
1	EA	76086	S-40 PRESET 40 DEG F SENSOR	
1	EA	76088	S-50 PRESET 50 DEG F SENSOR	
1	EA	76089	S-55 PRESET 55 DEG F SENSOR	
1	EA	76090	S-60 PRESET 60 DEG F SENSOR	
1	EA	76091	S-62 PRESET 62 DEG F SENSOR	
1	EA	76092	S-64 PRESET 64 DEG F SENSOR	
1	EA	76093	S-65 PRESET 65 DEG F SENSOR	
1	EA	76094	S-66 PRESET 66 DEG F SENSOR	
1	EA	76095	S-68 PRESET 68 DEG F SENSOR	
1	EA	76096	S-70 PRESET 70 DEG F SENSOR	
1	EA	76097	S-72 PRESET 72 DEG F SENSOR	
1	EA	76098	S-74 PRESET 74 DEG F SENSOR	
1	EA	76099	S-75 PRESET 75 DEG F SENSOR	
1	EA	76100	S-76 PRESET 76 DEG F SENSOR	
1	EA	76101	S-78 PRESET 78 DEG F SENSOR	

CAUTION: After system has been tested, make sure that the sensors are snapped into sensor clips. If the sensors are not snapped into clips properly, the heating system will not turn off.



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

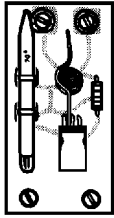
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	76067	ESA-1 COOLING ONLY SINGLE STAGE L/VOLT ACCUSTAT W/O MERCURY	
1	EA	76068	ESAH-11 HT & CL SINGLE STAGE L/VOLTAGE ACCUSTAT W/O MERCURY	
1	EA	76069	ESH-1 HEATING ONLY SINGLE ST LOW VOLT ACCUSTAT W/O MERCURY	

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



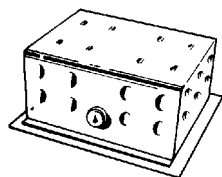
Enclose and protect wall thermostats against tampering, damage, and unauthorized adjustment of thermostat settings. Thermostat guards are designed to cover a wide variety of thermostats. Clear acrylic covers allow display of temperature and settings.

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.

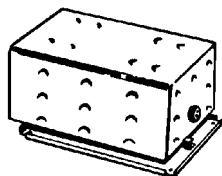
Model No.	Size	Cover	Base	Wallplate	Inside Dimensions (In.)			Outside Dimensions (In.)		
					Height	Width	Depth	Height	Width	Depth
TG511A 1000	Medium	Clear	Clear	Opaque	5-1/16	6-1/16	2-5/8	6-1/2	7-1/2	2-15/16
TG512A 1009	Large	Clear	Clear	Opaque	5-7/8	8-3/8	3	7-1/4	9-3/4	3-3/8

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		

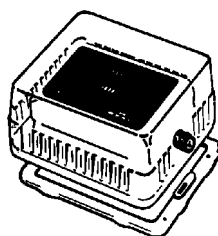
White-Rodgers Thermostat Guards



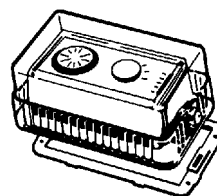
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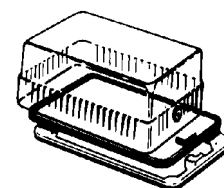
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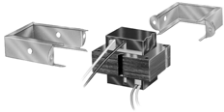
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F29-0198

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, horizontal, or vertical. Nine inch color coded primary and secondary leads. Transformers should be mounted within proper enclosure.

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 transformer 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	

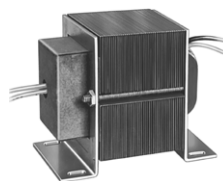
*Super Tradeline model

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		9" Leadwires		
AT140B 1206	120	9" Leadwires	Screw Terminals		75 VA	
AT175A 1008	120/208/240	9" Leadwires				

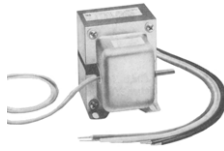
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
20	EA	70152	AT175A1008/U TRANS 120/208/240V 75VA		
20	EA	70155	AT140A1000/U TRANSFORMER 120V 40VA		
20	EA	70156	AT140A1018/U TRANS 120/208/240V 40VA		
20	EA	70157	AT140B1206/U TRANSFORMER 120V 40VA		

MARS Transformers



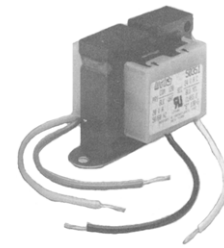
50321 Manual Reset Style

- 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

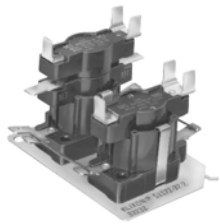


Wattage at 240V: 5000; Wattage at 208V: 3750
 Stretched Length: Min. 44.62", Max. 127.48"

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

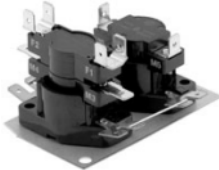


24A34-3

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 Duty
	Watts	Amps	Full Load Amps	Locked Rotor Amps	
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	

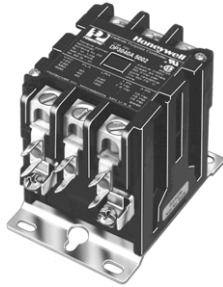
CAM-STAT® TC-4000 Series Temperature Controls



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 auxiliary 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 contactors
- 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			

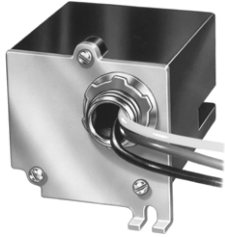
MARS Relay Transformer Fan Control Center



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

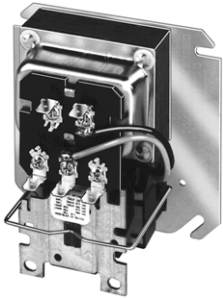
Contact Ratings (A):

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.

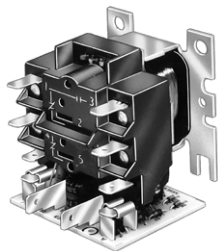
Thermostat Anticipator Setting: 0.4A (constant).

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



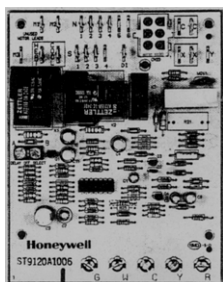
For use in compressor-run air conditioning and heat pump systems. Delays the indoor blower shut-off after the compressor has shut off. ST82D includes an R8222 Relay with electronic time delay board. Molded terminal numbers and circuit diagram on top of relay and letter-coded terminals on time delay board provide easy identification for wiring and system checkout. Laminated magnet construction for high efficiency.

Delay Timing: 80 seconds.
Ambient Temperature 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	ST82D 1004 SPDT TIME DELAY RELAY	

Honeywell ST9120U Universal Electronic Fan Timer

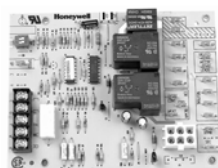


This universal timer integrates control of all combustion blower and circulating fan operations in a gas warm air appliance but also replaces all other existing Honeywell fan timer boards. This timer has a replaceable fuse and DIP switch with selectable heat and cool delay. It also features diagnostic 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
1	EA	72775	ST9120U1011/U UNIVERSAL ELECTRONIC FAN TIMER	

Honeywell R847A Heavy Duty Relays

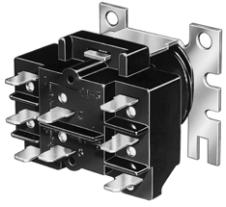
Provides switching for high-current loads such as cooling compressors. Has internal transformer that provides 24V power for control circuit. Internal, flexible leads permit SPST or DPST switching.

Approximate Dimensions: 5-1/4" H x 4-1/4" W x 2-3/4" D.
Voltage (50/60 Hz): 120.
 U.L. Listed



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	72253	R847A 1085 RELAY	

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 construction 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 (120V Coils)

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		



General Purpose Relays



43007

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.
- Mars 43004 replaces Potter & Blumfield PR5AY0-24V and Deltrol 20239-82D
- Mars 43007 replaces Potter & Blumfield PR7AY0-24V and Deltrol 20240-82D
- Mars 43014 replaces Potter & Blumfield FP11AY0-120V and Deltrol 20241-83D

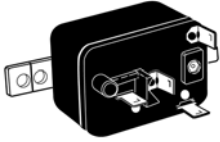
Relays

Nominal Power	Coil Voltage	Amps	Coil Resistance in Ohms	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
9.8 VA	120	25	290	1	EA	75341	43014 DPDT 120V RELAY	
9.8 VA	24	25	12	1	EA	75347	43004 SPDT 24V RELAY	
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	

White-Rodgers General Purpose Relays



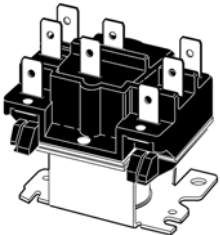
Relays are totally enclosed. Relay comes single pole normally open (SPNO) or single pole double throw (SPDT). Used for switching single or two speed fan motors, solenoids, relays, resistive loads, and general purpose switching. With quick-connects.

Model No.	Normally Open Coil Voltage	Contact Rating 125/250 VAC	
		Inductive	Resistive
SPNO			
90290Q	24	8 Amps	16 Amps
90291Q	115/120	Continuous	Continuous
90292Q	230/240	25 Amps Inrush	
SPDT			
90293	24	8 Amps	8 Amps
90294	115/120	Continuous	Continuous
90295	230/240	18 Amps Inrush	

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



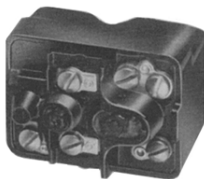
A two pole double throw semi-enclosed relay. Easy to install and wire. Relay available for power or pilot duty. Suited for vending machines, appliances, fan controls, heating and air conditioning applications, and general purpose switching. Approximate size: 2-1/8" x 1-7/8" x 2-1/4".

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.

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.

Electrical Ratings (Amperes)

	Dehumidifier (Red to Yellow)		Humidifier (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

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	



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

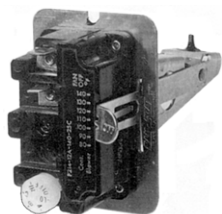


Each 3/4" thermostat has an integral oval flange to match the most commonly used mounting option. Thermostats have .25" quick-connect terminals, with adapters supplied for conversion to screw-type terminals. These limit switches open on temperature rise.

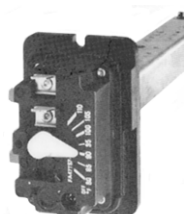
Model No.	Temperature Settings	
	Close (°F)	Open (°F)
39031	260	300
39032	285	325

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

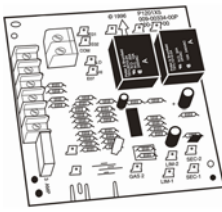
Combination Fan and Limit Controls with Time Start Delay
 These Combination Fan and Limit Controls include a time start fan control ("heat assist"). The time delay turns on the blowers as a function of time and/or temperature after the room thermostat calls for heat and turns off the blower as a function 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: PCBFF112S, 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 PCBFF112S/ 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 S1-331-030102956 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	

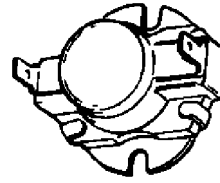
White-Rodgers 3F01 Fan and 3L01 Limit Snap-Disc Controls



Front View



Reverse View



Standard Mounting



Tab-to-Screw

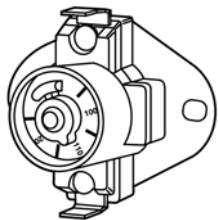
Models available for regulation of fan or blower and for high limit safety control. Designed for quick on-job replacement. Last three numbers indicate cut-out temperatures on limits and cut-in temperatures on fan controls.

Features include mounting holes that match standard 3/4" snap discs and tab-to-screw terminal adaptors (included).

Model No.	Temperature Settings		Switch Action	Motor Rating		Valve & Relays 25 Vac
	Cut-In (F)	Cut-Out (F)		120 Vac	240 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	
350	1	EA	75917	3L12-301 1/2IN TYPE 611971 DISC MANUAL RESET ROLLOUT LIMIT SWITCH	
300	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.

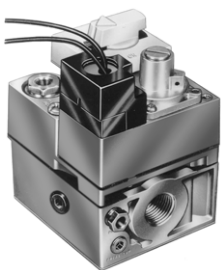
- U.L. listed.
- Industrial Risk Insurers (formerly FIA) acceptable.
- AGA Design Certified.

- **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



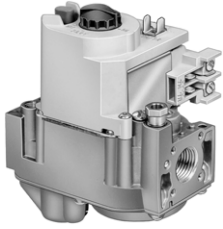
Provide on-off control of natural, LP, and manufactured gases to pilot burners in industrial and commercial applications. Unit is magnetically operated and is normally closed, provides instantaneous action when energized, and has a straight-through valve pattern. On power failure, valve closes in one 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 adaptor. 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 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, Natural to LP Conversion Kit
VR8200C 1041	1/2 x 1/2	130	3.7	1.2 Step to 3.5	0.87	Step	Nat.	—
VR8200H 1251*	1/2 x 1/2	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.

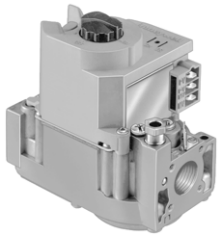
VR8200A, C, and H Gas Controls

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

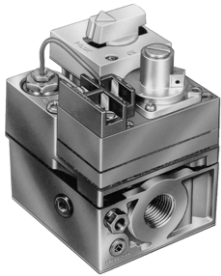


Universal electronic ignition gas valve replaces virtually all standard-opening IP, HSI, or DSI valves. Highest capacity (415,000 BTU max. reg., N.G.) of any electronic ignition valve in the industry.

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

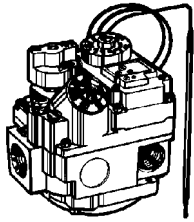
¹ 1,000 BTU/Ft.3, 0.64 sp gr natural gas at 1 wc pressure drop (37.3M J/m³, 0.64 sp gr nat. gas at 0.25 kPa press. drop).

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		



700-200 Series Gas Controls



The VH700-200 series Snap-Action hydraulic, combination heating gas burner controls are thermostatically operated by remote sensing bulb.

Two remote bulb types are available for this series. Models with the temperature adjusting dial on the valve has a 36" capillary. Models with remote temperature adjustment have dual capillaries. An 18" capillary runs from the valve to the sensing bulb and a 48" capillary runs from the bulb to the remote dial.

This control combines a manual valve, automatic pilot, pressure regulator (optional by model) snap-acting hydraulic operator, pilot outlet, filter, and adjustment key. All models have 3 position outlet. The automatic pilot valve is separate from the gas cock and provides gas shutoff in case of pilot outage. The electro magnet, A1750-018, is field replaceable.

Model No.	Factory Model	Inlet Size NPT (In.)	3 Position Outlet FPT**	Internal Capillary Length (In.)	Pressure Regulator Setting	Capacity*
700-202	7000ASR	1/2	1/2	36	3.5" W.C., Nat. Gas	100,000

* BTU/Hr. natural gas 1000BTU/Cu. Ft. 0.64 sp. gr. nat. gas @ 1" w.c. pd.

** Includes (2) 1/2 to 3/8 NPT reducer bushings.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
8	EA	77298	700-202 R/S HYDRO 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

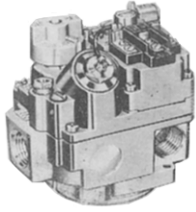
Maximum Inlet Pressure: 14" w.c. (1/2 Psi)

Model No.	Factory Model	Inlet Size (In)	Pressure Regulator Setting	Capacity	Outlet Size (In)	Reducer Bushing (NPT)	Side Outlets
700-401	7000BER	1/2	Uni-Kit	240,000	3/4	1	Straight-thru
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	77248	700-401 R/S COMBINATION VALVE	
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

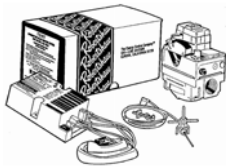
Model No.	Factory Model	Inlet Size FPT	3-Position Outlet		Pressure Regulator Setting	Capacity ¹
			Straight Through FPT	Side FPT with Plugs		
700-506	7000MVR	3/4	3/4	Straight-Thru	3.5" W.C. Nat. Gas	300,000

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



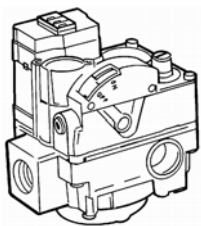
Model 712-016
 Natural gas only, non-lockout, and pressure regulator is factory-set at 3.5" W.C. Field adjustable 3" to 7" W.C.
Gas Valve: 7000D (700-056) 3/4" x 3/4"
Ignition Unit: SP715 (780-715)
 Non-lockout.
CAUTION: Do not use on L.P. gas applications.

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

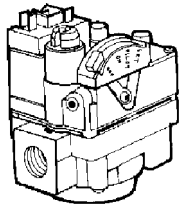


The 720 Series Valves are designed for intermittent pilot ignition applications. The valve incorporates a manual valve, pilot valve, dual automatic valves (2), and a main gas pressure regulator.
 The 720 Series Valves are designed for many residential applications such as central heating units, space 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	

Robertshaw® 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.

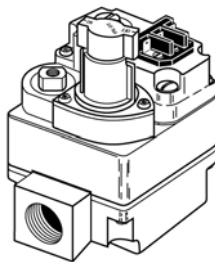
780-715

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	

White-Rodgers 36C Gas Valves



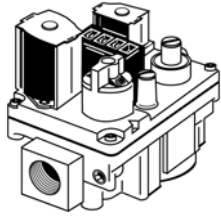
For general purpose replacement. Valve may be mounted in any position except upside down. Both main valve seat and line-interrupter seal with line pressure, assuring positive gas seal-off. Inlet screen, pilot gas filter and top operated main valve provide maximum protection against chips and dirt. Gas 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

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77558	G23 24V JE COIL	
1	EA	77559	G23 110-120V JE COIL	
1	EA	77560	G23 208-240V JE COIL	

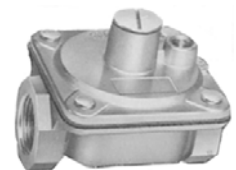


RV-48 Pressure Regulator

Capacities: to 230 CFH

Inlet Pressure: to 1/2 PSI

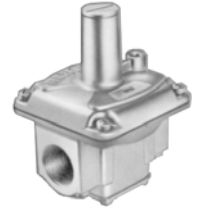
Outlet Pressure: 3 to 6" w.c.



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 x 1-1/4	2500	780	1102	1350	1559	1743	1909	2062	2204	2339	2465

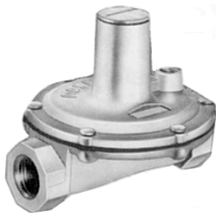
* Capacities expressed in ft.³/h-0.64 sp. gr. gas.

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, commercial 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		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 (m³h)

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)

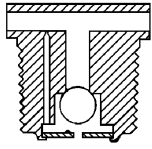


13A15-5 (3/8" NPT)

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

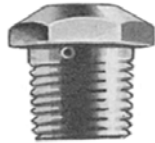


12A04: Automatic safety vent limiting device. Ball check permits free inhalation for fast regulator-diaphragm response, on open cycle, but limits gas escapement to safe limits should a diaphragm rupture. Satisfies ANSI Standards for both Class I and II service, natural, and LP gas. Use on RV48, RV52, 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	

REGO 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 intermediate 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 CO₂, 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	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	75630	143-80-2 3/4IN REGULATOR 1/8IN ORIFICE	
6 to 14 w.c.	1	EA	75631	143-80-2 1IN REGULATOR 1/8IN 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	75667	143-80-2 3/4IN REGULATOR 5/16IN ORIFICE	
6 to 14 w.c.	1	EA	75668	143-80-2 1IN REGULATOR 5/16 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	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	

Springs

For Use with Regulator No.	Outlet Pressure Range	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
043B	12.0" to 28.0" w.c.	1	EA	75113	071-03409-003 6IN TO 14IN W.C. RANGE STANDARD RED SPRING	
143	12~B2 to 28~B2 w.c.	1	EA	75640	143-62-021-18 ORANGE SPRING	
243	12~B2 to 28~B2	1	EA	75642	143-16-021-05 GREEN SPRING	
243	1 to 2 psi	1	EA	75643	143-16-021-06 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	
243	1IN	Brass	1	EA	75651	143-16-023-02 1IN 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.

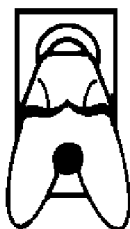
- Open Circuit Output: 600–750 mV
- Includes: 35" lead and PG9 adaptor.
- Used with Pilot Burner: Q314, 324, 327, 377, 379, and 382.

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		

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 Reference¹

Manufacturer	OEM #	Q3200U Bracket	Manufacturer	OEM #	Q3200U Bracket	Manufacturer	OEM #	Q3200U Bracket		
American Road Equip.	201W	A	Modine	5H76032A	C	Tempstar	1096048	D		
Arco Air	1096048	D	Mor-Flo	3200618	A	Trane	340039P01	A		
	1380680			511-330-193	B		B138196P01	B		
Armstrong Air	38322B001	A	Nordyne	105141000	A		B144676P01	A		
	Carrier/Bryant/Payne			B or E ²			632-0770	Norton/St Gobain	A	B144676P02
LH33ZS001		632-0880					201			B
LH33ZS001A		201	271		Viessman		IGN23			A
LH33ZS002		271	201D				IGN26			B
LH33ZS002A		201D	201K			IGN30	B			
LH33ZS003	201K	201L	IGN34	A						
LH33ZS003A	201L	201N	9302-094	A						
LH33ZS004	201N	201R	62821-001	A						
Clair Bros.	C-238	A	201R		62821-002					
	C242	A	201W	Weil-McLain	511-330-139	B				
1474-051	271N		511-330-190							
1474-052	A	271NM	D	511-330-193						
Comfort Maker	1096048	D	271P	A	White LB	12-07549	A			
Detroit Radiant	201D	A	271W	A	White-Rodgers	767A-301	A			
DMO Ind.	20834	A	Raypak	600915		B	767A-303	F		
Dornback Furnace	271W	A	Rheem	62-22441-01		A	767A-306	A		
Ducane	20015201	B	Roberts Gordon	90434300		B	767A-311			
	10399	A		90436600		A	767A-350			
Enero Tech	1474-051	A	41-402	A		767A-353	F			
	1474-052	A	41-403	B		767A-354	A			
Evcon	025-32625-000		B	41-404		B	767A-357	F		
	Goodman	B1401009	D	Robertshaw		41-405	A	767A-361	A	
B1401018		C	41-407			B	767A-364			
B1401018S		D	41-408			A	767A-366			
HB Smith	50018	A	41-409			B	767A-370	B		
Heil	1096048	D	41-410			A	767A-371	A		
Hupp Industries	09050	A	41-412			D	767A-372	A		
	1009604	D	41-418			C	767A-373	D		
Intercity	1096048	A	Snyder General			1380654	B	767A-376	B	
	75-92-104			1380672		767A-377		A		
75-92-105	1380680	767A-382		B						
Majestic	201N	A	Superior Fireplace	94851	A	Williamson	9050	A		
	201W			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® G01A-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	

White-Rodgers 21D64-2 Silicon Nitride Ignitor Upgrade Kit, Universal



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 separate power module.
- 3 year warranty.

Kit Includes

- Nitride ignitor with 15.5" leads
- Universal mounting bracket and screw, mounting adapter bracket, and 2 ceramic wire nuts
- Manufacturer cross-reference
- Instruction booklet
- Nitride upgrade furnace label

Electrical Ratings

- Input: 102–132 VAC, 60 Hz
- Max. Load Current: 3.0 A @ 132 V AC, 25° C
- Timing Rating: 17 second minimum

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75764	21D64-2 UNIVERSAL IGNITOR UPGRADE KIT	
5	PKG	75784	21D64-5PK HOTROD UNIVERSAL HOT SURFACE IGNITOR	

White-Rodgers Two-Stage HSI Integrated Furnace Control Kits 21M51U-843 and 21V51U-843



21M51U-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



21V51U-843

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 Single-Stage HSI Integrated Furnace Control Kit Universal



Features

- 3 fan speeds
- Color-coded thermostat connection
- System diagnostics, with fault recall (stored)
- Auto 2nd-stage delay

Replaces

Virtually all White-Rodgers', competitors', and OEM's single-stage carbide and nitride HSI furnace controls with 80 and 120 V ignitor output.

Includes

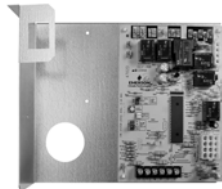
- Ignition control module
- 9 quick-select/quick-connect wiring harnesses
- 21D64-2 universal silicon nitride ignitor kit

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 Single-Stage HSI Integrated Furnace Control Kits OEM Direct Replacements



50A55-3797



50A56-956



550A65-5165



50M56U-751

Model No.	Replaces White-Rodgers Model	Replaces OEM	Ignitor Output	Includes
50A55-3797	Single-stage, 120 V	Trane	120 V	See Note
50A56-956	50A56-242 50A56-243	York	120 V	See Note Replacement Control Box
50A65-5165	Single-stage, 80 V	Trane	80 V	See Note
50M56U-751	50M56-751	Carrier	120 V	See Note Interconnect Harnesses Bag of Accessories

NOTE: All models include ignition control, installation instructions, and OEM cross-reference.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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® 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 insulator
- 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 767A Hot Surface Ignitors and 768 Nitride Ignitor



767A-357



767A-361 (41-405/1405)



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)



768A-844

767A Hot Surface Ignitors provide three times more energy than standard pilot burners. These ignitors are rated at 200° C, and are useable with either 15, 17, or 45 second H.S.I. systems.

768-844 Nitride Ignitor is an OEM replacement for Lennox models 41K5601, 768-4 and Rheem model 62-24134-02.

Lead Insulation Temp. Rating	Electrical Connection	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
250° C	Receptacle with .093 Male Pins	20	EA	75587	767A-357 4-3/4IN IGNITOR LEADS W/CONNECTORS	
250° C	Receptacle with .093 Male Pins	20	EA	75586	767A-361 (41-405/1405) 4-3/4IN LEADS WITH CONNECTORS IGNITOR	
200° C	Amp Connection	20	EA	75686	767A-369 (41-401) IGNITOR 5-1/2IN LEADS WITH CONNECTORS	
200° C	Amp Connection	20	EA	75687	767A-370 (41-403 & 41-409) IGNITOR 5-1/4IN LEADS WITH CONNECTORS	
200° C	Stripped Ends	20	EA	75688	767A-371 (41-402) IGNITOR 19-1/8IN STRIPPED LEADS	
200° C	Amp Connection	20	EA	75689	767A-372 (41-408) IGNITOR 5-1/4IN WITH CONNECTOR	
200° C	Connector	20	EA	75690	767A-373 (41-412) IGNITOR 5-1/4IN CONNECTOR WITH BRACKET	
200° C	Stripped Ends	20	EA	75691	767A-374 (41-406) IGNITOR 11IN WITH GASKET	
200° C	Amp Connection	20	EA	75692	767A-376 (41-407) IGNITOR 4-1/2IN LEADS WITH CONNECTOR	
200° C	Amp 2-Pin Molex Connector	20	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 (Q230K00001)	
200° C	Receptacle with 7.5" Male Pins	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 1/2IN LEAD WIRE IGNITOR	
200° C	Molex Side Lock, .092 Male Pins	20	EA	75795	767A-383 (41-411) 5 1/2IN WIRE LEAD IGNITOR	
---	.084 female sockets	1	EA	75845	768A-844 80V SILICON NITRIDE HOT SURFACE IGNITOR	

White-Rodgers[®] Silicon Carbide Ignitor Cross Reference

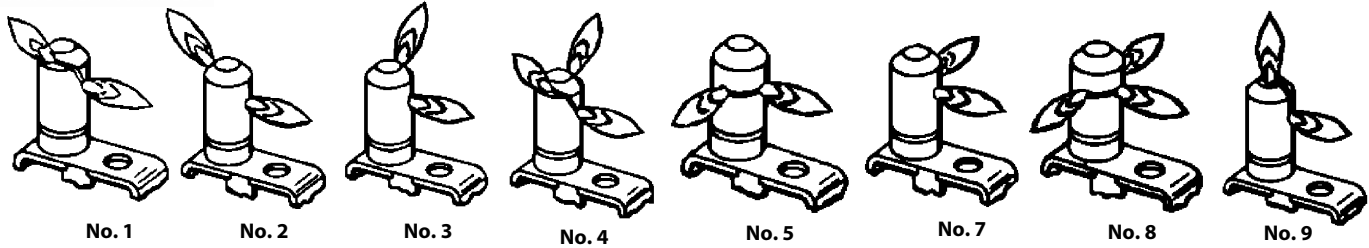
Manufacturer	OEM #	Suggested Replacement	Manufacturer	OEM #	Suggested Replacement
Amana	B1336102	767A-369	Robertshaw	41-401	767A-369
	D99182	767A-369		41-402	767A-371
	1004601	767A369		41-403	767A-370
American Appliance	271B	767A-374		41-404	767A-370
American Road Equip.	201W	767A-371		41-405	767A-361
Armstrong Air	38322B001	767A-371		41-406	767A-374
Arco Air	1096048	767A-373		41-407	767A-376
	1380680	767A-373		41-408	767A-372
Carlin	871975	767A-375		41-409	767A-370
Carrier Corp.	LH33ZS001A	767A-370		41-410	767A-377
	LH33ZS002	767A-370		41-411	767A-372
Claire Brothers	C-238	767A-371		41-412	767A-373
	C-242	767A-371		41-413	767A-375
Coleman	1474-051	767A-371		41-414	767A-373
	1474-052	767A-371	Roberts Gordon	90434300	767A-370
Comfort Maker	1096048	767A-373	90436600	767A-371	
Comfort Zone	150114-04-01	767A-374	Snyder General	1380672	767A-370
Detroit Radiant	201D	767A-361	1380680	767A-370	
DMO Industries	20834	767A-371	1380654	767A-370	
Dornback Furnace	271W	767A-371	Superior Fireplace	94851	767A-371
Ducane	20015201	767A-370	Tempstar	1096048	767A-373
Enerco Tech	10399	767A-371	Trane	B138196P01	767A-370
Evcon	1474-051	767A-371		B144676P01	767A-372
	1474-052	767A-371		B144676P02	767A-370
Goodman	B1401009	767A-373		B340039P01	767A-372
HB Smith	50018	767A-361		340039P01	767A-371
Heil	1096048	767A-373		IGN23	767A-371
Hupp Industries	09050	767A-371		IGN26	767A-370
Intercity	1009604	767A-373		IGN26	767A-370
	1096048	767A-373		IGN30	767A-370
Majestic	75-92-104	767A-371		IGN30	767A-370
	75-92-105	767A-371	IGN34	767A-372	
Metzger	201N	767A-371	Trianco-Heatmaker	2600-359	767A-369
	201W	767A-371	Viessman	9302-094	767A-361
Mor-Flo	3200580	767A-374	Wayne Home Equipment	62821-001	767A-371
	3200618	767A-371	62821-002	767A-371	
	3210401	767A-374	Weil-McLain	511-330-139	767A-370
Nordyne	105141000	767A-371	511-330-188	767A-374	
	632-0880	767A-371	511-330-193	767A-370	
	632-0770	767A-371	511-330-190	767A-370	
Norton	201	767A-370	White, LB	120-07549	767A-371
	201A	767A-369	767A-301	767A-361	
	201D	767A-361	767A-303	767A-357	
	201J	767A-374	767A-306	767A-361	
	201K	767A-371	767A-309	767A-356	
	201L	767A-371	767A-310	767A-365	
	201M	767A-374	767A-311	767A-366	
	201N	767A-371	767A-350	767A-361	
	201R	767A-371	767A-353	767A-357	
	201W	767A-371	767A-354	767A-361	
	201Y	767A-374	767A-356	767A-356	
	271	767A-370	767A-357	767A-357	
	271A	767A-369	767A-361	767A-361	
	271P	767A-361	767A-364	767A-366	
	271M		767A-365	767A-365	
	271N		767A-366	767A-366	
	271NM		767A-369	767A-369	
271W		767A-370	767A-370		
271Y		767A-371	767A-371		
271Z		767A-372	767A-372		
Perfection Schwank	108803-G1		767A-373	767A-373	
Raypak	600915		767A-374	767A-374	
Rheem	62-22441-01		767A-375	767A-375	
	62-22441-01		09050	767A-371	
	62-22868-82		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	

NOTE: Ceramic connectors are included (767A-369 thru 767A-372) and can be used if original ignitor has a different connector than the suggested replacement. Retain any brackets used with the original equipment. Replacements do not include brackets.



J Series Combination Type D10 & D11 Pilot Burners

BASO Gas Products LLC



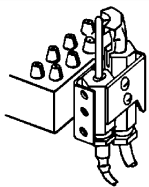
Tip Position	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	1	EA	75327	J991MDA-2H PILOT	
2	1	EA	75326	J992MDA-2H PILOT	
3	1	EA	75325	J993MDA-2H PILOT	
4	1	EA	75324	J994MDA-2H PILOT	
5	1	EA	75323	J995MDA-2H PILOT	
7	1	EA	75321	J997MDA-2H PILOT	
8	1	EA	75320	J998MDA-2H PILOT	
9	1	EA	75319	J999MDA-2H PILOT	

NOTE: Includes two inlet fittings and necessary parts.

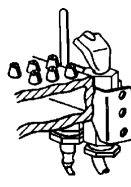


J Series Multi-Mount Universal Pilot Burner

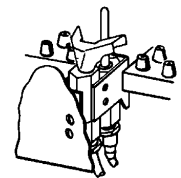
BASO Gas Products LLC



J999MHA



J999MKA



J999MYA

Baso universal replacement pilot burners are supplied in three models. Mounting brackets on all four sides of each burner permit adaptation to most any application.

Features: mounting bracket on all four sides, three tapped holes in each bracket end for vertical adjustment, a natural and LPG orifice supplied, and 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	



Thermopiles

BASO Gas Products LLC



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	
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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 extinguished. L61LL-1 is the universal 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 duty @ 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

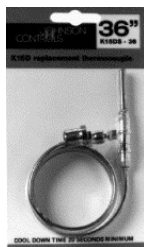
K15DA

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.

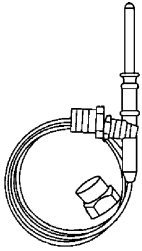


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 50
10	EA	75063	K15DA-36H THERMOCOUPLE			
10	EA	75042	K15FA-36H THERMOCOUPLE			



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.

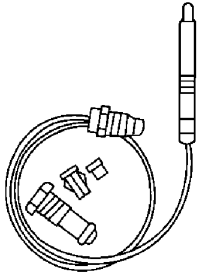
Millivolt Range: 3–35.

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 especially 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 as 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



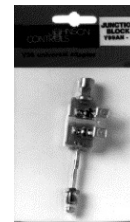
STD PKG	UM	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75130	Y99AR-1H 1/4X60 IN AL TUBE	



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	



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 APR Automatic Pilot Relighter

MANUFACTURING COMPANY



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

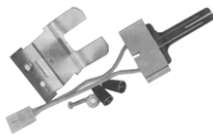
- Designed to replace over 170 original part numbers.
- Engineered reaction bonded silicon carbide design
- Greater physical strength
- Lower power consumption
- Superior gas lighting ability
- Easy installation
- Minimizes inventory



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	94889	SIG1100 FURNACE IGNITOR	



41-311 Dryer Ignitor Kit for Whirlpool

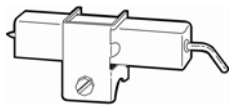


Replaces the following ignitors: 239300, 279185, 239233, 239302, 338900, 338899, 343128, 340607, 687399, 685211, WRC23K. This silicone carbide ignitor kit consists of: (1) WRC23 Ignitor, (2) 686608 Nuts and Wire, (1) 686833 Bracket, and (1) 686953 Screw.

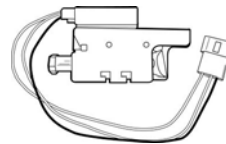
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65037	41-311 WRC23K IGNITOR KIT	



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



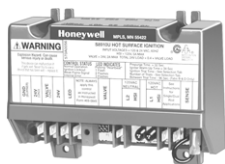
Provides electronic control of direct spark ignition systems for use on gas-fired furnaces, boilers, and heating appliances. Control ignition sequence and gas control operations. Generate high voltage potential for main burner ignition. Lock out on trial for ignition if main burner fails to ignite. Reset 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	S87C 1014-B DSI CONTROL MODULE	
10	EA	72717	S87D 1004 DSI CONTROL MODULE	

Honeywell S8910U Universal Hot Surface Ignition Module

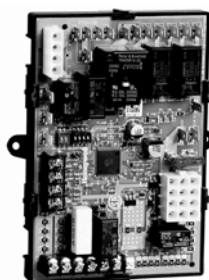


The S8910U Universal Hot Surface Ignition Module is designed to provide easy field replacement of a wide range of HSI modules manufactured by Honeywell, Robertshaw, and White-Rodgers. The S8910U uses a 120 Vac hot surface igniter.

- 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	72662	S8910U1000/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		

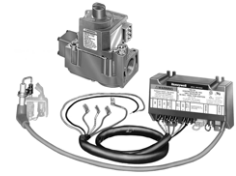
Honeywell Y8610U Pilot System Kit

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	



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 residential 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	



BASO Gas Products LLC

Ignition Control Modules



BG1600

BGN891



BG1600 Univ. Intermittent Pilot Ignition Control

- A safety control for indirect burner ignition and supervision, for use with all gases and applicable to gas-fired appliances.
- Provides reliable software control of all timings and operates a diagnostic LED.
- Provides ignition sequence, flame monitoring, and safety shutoff

BGN891 Direct Spark Ignition Control

- Replaces the G891TCA-8103 unit for Lennox Pulse furnaces.
- Makes the 6 pin connection to the furnace.
- Replaces models 60J00, 97H02, 96C66, 86H30, 77C38, 73K86, 56G14, 41G46, 99C97, 97C9701PR, 87F22, 77C3801, 73K8601, 72H68, 52J18, and 34K33.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75098	BG1600M51EF-1AA 24 VOLT UNIVERSAL INTERMITTENT PILOT IGN CTL MOD	
1	EA	75072	BGN891-1C IGNITION CONTROL	

White-Rodgers 50A55-843 Hot Surface Ignition Furnace Control Kit Universal, 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 Hot Surface Ignition Furnace Control Kit

Universal, 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 50E47-843 Hot Surface Ignition Furnace Control Kit

Universal, Non-Integrated, Silicon Carbide



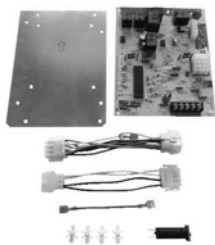
- Replaces White-Rodgers 50E47 modules and many more.
- Program keys for multiple timing selections.
- Tri-colored LED indicator for diagnostics.
- Direct and indirect flame sense compatible.
- Universal design for maximum versatility.
- Input Voltage: 18 to 30 VAC, 25VAC nominal
- Max. Input Current @ 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° 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 21D83M-843 Hot Surface Ignition Furnace Control Kit Lennox Direct Replacement, 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 50A55-743 Hot Surface Ignition Furnace Control Kit Goodman Direct Replacement, Integrated, Silicon Carbide, Single-Stage



- Controls gas valve, ignitor, blower, inducer, humidifier, and air cleaner
- Replaces Goodman Models (0130F00005/S, 50A55-289, 50T55-289, B1809926/S, etc.
- Includes flash code diagnostics
- Twinning connection
- Fused to protect low voltage system transformer
- Input Voltage: 30VAC 50/60 Hz
- Max. Input Current @ 25VAC: 0.45amp
- Valve Relay: 1.5 amp @ 25VAC 50/60 0.6 pf
- Ignitor Relay: 6.0 amp @ 120VAC 50/60 Hz
- Inducer Relay: 2.2 FLA–3.5 LRA @ 120VAC
- Circulator Relay: 14.5 FLA–25.0 LRA @ 120VAC
- Operating Temperature: -40° to 176° F
- Humidity Range: 5% to 93% RH (non-condensing)

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)
50A55-743	15	30	90/120/150/180	5	45	15

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
20	EA	60403	50A55-743 PCB BF112S CNTRL BRD 0130F00005/B18099-26	

White-Rodgers 50T35-743 Hot Surface Ignition Furnace Control Kit

Goodman Direct Replacement, 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 Hot Surface Ignition Furnace Control Kit

Goodmann Direct Replacement, Integrated, Nitride Ignition, Multi-Speed



- 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 PCB BF132S CONTRL BRD PCB BF122S PCB BF109S	

White-Rodgers Universal Spark Ignition Modules



The 50D50 Universal Spark Modules will replace virtually all competitive spark non-integrated modules. These Universal Spark Modules are designed to give dealers and service technicians reduced inventory providing a complete diagnostic system, thus making installations easier with fewer callbacks.

The 50E47 hot surface ignition module replaces White-Rodgers 50E47 modules and many competitive modules.

All models include complete cross-reference and programming keys guide.

Manufacturer	Model
50D50-842 Replaces the Following Spark Direct Ignition Models	
Honeywell	S8680
	S87B1008
	S87B1016
	S87C1006
	S87C1014
	S87D1004
	S87D1012
S87J1026	
Robertshaw	DS845 780-504
50D50-843 Replaces the Following Intermittent Pilot Models	
Camstat	IPI-24-00
Fenwal	05-203025-005; 05-203026-005
Robertshaw	780-001; 780-002; 780-003
	780-715; 780-735; 780-736
	780-737; 780-845; SP715
	SP715A; SP735; SP735D
	SP735L; USI715U
Honeywell	S86A1001; S86A1019; S86A1027
	S86A1035; S86B1009; S86B1017
	S86B1025; S86C1007; S86C1015
	S86C1031; S86C1049; S86C1056
	S86D1005; S86D1021; S86E1002
	S86E1010; S86E1028; S86E1036
	S86E1044; S86E1051; S86E1069
	S86E1077; S86E1101; S86E1119
	S86E1127; S86F1000; S86F1018
	S86F1026; S86F1042; S86F1059
	S86F1067; S86F1075; S86F1083
	S86F1091; S86G1008; S86G1016
	S86G1032; S86G1057; S86G1073
	S86H1006; S86H1022; S86H1048
	S86H1089; S86H1097; S86H1105
	S86H1121; S86H1147; S90A1005
	S90B1003; S90B1011; S8600A1001
	S8600B1009; S8600C1015; S8600F1000
	S8600F1034; S8600F1042; S8600H1006
	S8600H1022; S8600H1048; S8600H1055
	S8600H1089; S8600H1105; S8600M1005
	S8600M1013; S8610A1009; S8610B1007
	S8610B1015; S8610C1005; S8610F1008
	S8610F1016; S8610F1024; S8610F1032
	S8610H1012; S8610H1038; S8610H1046
	S8610H1053; S8610H1079; S8610M1003
	S8610M1029; S8610U1003; S8620H1002
S8620H1028	
Johnson Controls	CSA35A-617R; CSA35A-618R; CSA42A-600R
	CSA42A-601R; CSA42A-602R; CSA42A-603R
	CSA42A-604R; CSA43A-600R; CSA44A-600R
	CSA45A-601R; CSA45A-602R; CSA46A-600R
	CSA48A-600R; CSA49A-600R; CSA49A-605R

Manufacturer	Model
50D50-843 Replaces the Following Intermittent Pilot Models	
Johnson Controls	CSA51A-601R; CSA52A-600R; G60AAA-1
	G60AAG-1; G60AAG-2; G60AAG-3
	G60AAG-4; G60AAG-5; G60AAG-6
	G60AAG-7; G60CAA-1; G60CAA-3
	G60CAG-1; G60CAG-2; G60CAG-3
	G60CAG-4; G60CAG-5; G60CAG-6
	G60CAG-7; G60CAG-8; G60CAG-9
	G60CBA-1; G60CBA-2; G60CBA-3
	G60CBG-1; G60CBG-10; G60CBG-11
	G60CBG-12; G60CBG-13; G60CBG-14
	G60CBG-15; G60CBG-16; G60CBG-17
	G60CBG-2; G60CBG-3; G60CBG-4
	G60CBG-5; G60CBG-6; G60CBG-7
	G60CBG-8; G60CBG-9; G60CCA-1
	G60CCG-1; G60CPG-1; G60DBG-1
	G60DCG-1; G60DCG-2; G60DCG-3
	G60DCG-4; G60PAG-1; G60PAG-2
	G60PAG-3; G60PAG-4; G60PAG-5
	G60PAG-6; G60PAJ-1; G60PAK-1
	G60PAK-2; G60PFH-1; G60PFH-2
	G60PFL-1; G60PFQ-1; G60PVL-1
	G60QAG-2; G60QAG-3; G60QAK-1
	G60QBG-1; G60QBG-2; G60QBG-3
	G60QBG-4; G60QBG-5; G60QBG-6
	G60QBG-7; G60QBG-8; G60QBG-9
	G60QBH-1; G60QBK-1; G60QBK-3
	G60QBL-1; G60QBL-2; G60QCG-1
	G60QCJ-1; G60QCL-1; G60QDG-1
	G60QFL-1; G60QHL-1; G60QJL-1
	G60QLG-1; G60QPL-1; G60QRH-1
	G60QRL-1; G60QRL-2; G60QRL-3
	G60QSL-1; G60QTH-1; G60QTL-1
	G60RAG-1; G60RAK-1; G60RBG-1
	G60RBG-2; G60RBG-3; G60RBK-1
	G60RBK-2; G60RCG-2; G60RCJ-1
	G60RDG-1; G60RDK-1; G60RGL-1
	G60RHL-1; G60RHP-1; G60RPL-1
	G60RSL-1; G60ZAG-1; G65BBG-1
	G65BBG-2; G65BBG-3; G65BBG-4
	G65BBG-5; G65BBG-6; G65BBG-7
	G65BBG-8; G65BBM-1; G65BBM-2
	G65BBM-3; G65BBM-4; G65BCG-1
	G65BCM-1; G65BFG-1; G65BFM
	G65BKG-1; G65BKG-2; G65BKG-3
	G65BKM-1; G65BKM-2; G65BKM-3
	G65BLG-1; G65BLG-2; G65DBG
	G65DBM-1; G65DBM-2; G65DBM-3
G65DCM-1; G65DFG; G65DFM-1	
G65DKG; G65DKM; G65DKM-1	
G65DLM-1; G65FBG; G65FFG	

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Manufacturer	Model
50D50-843 Replaces the Following Intermittent Pilot Models	
Johnson Controls	G65FKG; G66AG-1; G66AG-2
	G66BG-1; G66MG-1; G66MG-2
	G66NG-1; G67AG-3; G67AG-4
	G67AG-7; G67AG-8; G67AG-9
	G67AG-10; G67AG-11; G67BG-2
	G67BG-3; G67BG-4; G67BG-5
	G67MG-1; G67MG-2; G67MG-3
	G67MG-4; G67NG-2; G67NG-4; G600AX-1
	G600AX-2; G600AX-3; G600AY-1
	G600LX-1; G600LX-2; G600LY-1
	G600MX-1; G600NX-1; G600RX-1
	G670AW-1; G670AW-2; G770LGA-1
	G770LGA-2; G770LGC-1; G770LGC-2
	G770LGC-3; G770LGC-4; G770LHA-1

Manufacturer	Model
50D50-843 Replaces the Following Intermittent Pilot Models	
Johnson Controls	G770LHA-2; G770LHC-1; G770MGA-1
	G770MGA-2; G770MGC-1; G770MGC-2
	G770MGC-3; G770MGC-4; G770MGC-5
	G770MGC-6; G770MHA-1; G770MHA-2
	G770MHC-1; G770NGA-1; G770NGC-4
	G770NGC-5; G770NGC-6; G770NGC-7
	G770NHA-1; G770NHC-1; G770RGA-1
	G770RHA-1; G770RHA-2; G775RGA-1
	G775RHA-1; G775RHA-2; Y79ABC-1
	Y79ABC-2; Y79ABC-3; Y79ABC-4
	Y79ABC-5; Y79ABC-6; Y79ABC-7
	Y79ABD-1; Y79ABD-2; Y79BBA-1
	Y79BBA-2; G779

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75680	50E47-843 UNIVERSAL IGNITION MODULE	
1	EA	75681	50D50-842 UNIVERSAL DIRECT SPARK IGNITION MODULE	
1	EA	75682	50D50-843 UNIVERSAL PROVEN PILOT SPARK CONTROL	

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	

Honeywell T675A and T678A Controllers



T675, Standard



T678, Fast Response

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.

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.

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.	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 1015	0 to 100	20 copper	125	Each switch fixed at 3° F; adj. diff. between switches 3 to 10° F.	
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 selection of F or C display. keypad allows precise temperature selection.

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

- **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

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 CTRL	
4	EA	73148	T991A1426/U TEMP CTRL	
4	EA	73149	T991A1012/U TEMP CTRL	
4	EA	73150	T991A1194/U TEMP CNTL	
4	EA	73151	T991A1244/U TEMP CTRL	
4	EA	73153	T991A1350/U TEMP CTRL	
4	EA	73154	T991A1269/U TEMP CTRL	
4	EA	73155	T991A1715/U TEMP CNTL	
4	EA	73156	T991A1756/U TEMP CNTL	



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	



P470 Electronic Pressure Control with Display



The P470 Electronic Pressure Control with display is a single-stage, On/Off, electronic pressure control with an SPDT (Single-Pole Double-Throw) output relay. The control may be field set to operate in one of three pressure ranges (0 to 100 psi, 0 to 500 psi, or 50 to 750 psi), as either an open-high or open-low control.

- Large LCD that displays the sensed pressure and other system-status indicators, as well as the adjustable set points in the programming mode.
- Lockable, 3-button touchpad for adjusting setpoints
- Front-panel LED display indicates the output relay status.
- Uses a P399 Electronic Pressure Transducer to generate a pressure signal
- The enclosure, case, and cover are all made of NEMA 1 high-impact thermoplastic.
- U.L. Listed

P470 Specifications

Operating Pressure Range (psi)	0 to 100	0 to 500	50 to 750
Minimum Differential Pressure (psi)	5	20	20
Displayed Resolution (psi)	1	3	5

Ratings

	120 Volts	208 Volts	240 Volts
Horsepower N.O. (N.C.)	1 (1/4)	1 (1/3)	1 (1/2)
Full Load Amperes N.O. (N.C.)	16 (5.8)	9.2 (4.0)	8.0 (4.9)
Locked Rotor Amperes N.O. (N.C.)	96 (34.8)	55.2 (24)	48 (29.4)
Non-inductive Amperes N.O. (N.C.)	15 (10)	10 (10)	10 (10)
Pilot Duty	125 VA (N.O.) @ 24 to 240 VAC 125 VA (N.C.) @ 120 to 240 VAC 50 VA (N.C.) @ 24 VAC		
Supply Voltage	120 or 208/240 VAC, 50/60 Hz		
Power Consumption	1.8 VA max.		
Ambient Operating Temperature at Control	-30 to 140° F		
Ambient Humidity at Operating Control	0 to 95% RH non-condensing		
Maximum Dew Point	85° F		

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75351	P470EB-1C ELECTRONIC PRESSURE CONTROL WITH DISPLAY	
1	EA	75352	P399AAC-1C 0-100PSI TRANSDUCER W/1/4IN SCHRADER	
1	EA	75354	P399CAC-1C 0-700 PSI TRANSDUCER W/1/4IN SCHRADER	



Goldline Model Temperature Controls

Sensors

All IE sensors are 10K OHM thermistor @ 77° F. All leads 10" except where noted. All IE sensors are interchangeable.

Operating Temperature Range:

-40 to 400° F.

SD Duct Sensor: Probe 5" and leads 3".

SP-302 Series

Two-stage universal temperature control with 1 SW sensor and ABC connector. Switch selectable stage options: 2 stage heat or 2 stage cool, or 1 heat/1 cool auto change. Stage offset 1 to 25° F. Separate differentials (1 to 25° F) Std. 24, 120, or 240 VAC. The **SP-342** is used for heating and A/C applications. **Set Point Range:** 90 to 200° F.



Sensor

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	79630	SD 2000-039 DUCT SENSOR 1 EA	

SP-302 Series 2-Stage Universal Temperature Control

1	EA	79618	ETC-211000-0000 ELECTRIC TEMPERATURE CONTROL	
1	EA	79621	SP-342 ELECT TEMP CTL 2-STAGE	

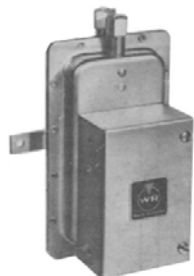
White-Rodgers Universal Heat Pump Defrost Control



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	



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 Temperature Range:

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			
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% to 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
						Water (In.)	kPa	Water (In.)	kPa	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		Lead Length (Ft.)
	°F	°C	
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	Rectification (green)	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.
R7289A 1012 ²		0.8			
R7289A 1010 ^{2,3}		3.0			
R7290A 1001	Ultraviolet (purple)	3.0		Ultraviolet (Minipeeper)	C7027; C7035
R7290A 1019 ²		0.8			
R7290A 1027 ^{2,3}		3.0			

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	
R7795C 1007	120	Interrupted	U.V.	C7027A, C7035A, Minipeeper	ST795A 1023	10	
R7795D 1005	120	Interrupted	Rectification	Flame rod, rectifying photocell, C7012A, C	ST795A 1031	30	
					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

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.

* For new installation, also specify Q270A 1024 base.

‡ 3-second response is recommended for nonrecycling ignition cutoff service.

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 interrupted 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 cut off service.

Ambient Temperature Range: -20° to 115° F (50 Hz models).

Approximate Dimensions (including 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 Fireeye MART1, MART1T, MAUV1, and MAUV1T are amplifier modules with the Fireeye Modular M-Series II control. These amplifier modules provide flame scanning capabilities using any of the Fireeye 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
MAUV1	UV amplifier, 2-4 second F.F.R.T.	UV1A, UV2, UV8A, 45UV3-1050
MAUV1T	UV amplifier, .8 second F.F.R.T.	UV1A, UV2, UV8A, 45UV3-1050
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

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	77407	MAUV1T UV AMP MODULE	
1	EA	77419	23-176 2AG 125V 8AMP FUSE	
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 Fireeye 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 Fireeye MEUV4 is an Amplifier Module used with the Fireeye Modular MicroM control. This amplifier module provides flame scanning capabilities using any of the Fireeye 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	



MB Multi Burner Flame Safeguard System Amplifier

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77351	61-3359 120V UV AMPLIFIER	



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	Model No. Series C	Series D Component	Flame-Monitor Using EPD Modules	Flame-Monitor Components
25CU6-5065	71D60 72DUV1	EPD160 EUV1	RP160 EUV1	25CU6-5063	70D30 72DUV1	E110 EUV1	E110 EUV1
25CU6-5066	71D60 72DUV1	EPD260 EUV1	EP260 EUV1	25CF6-5020	70D30 72DIR1	E110 EPD380 EIR1	E110 EIR1
25CF6-5022	71D60 72DIR1	EPD160 EIR1	EP160 EIR1	25CF6-5021	70D30 72DIR1	E110 EIR1	E110 EIR1
26CF6-5023	71D60 72DIR1	EPD260 EIR1	EP260 EIR1	24CJ5-5010	70D30	E110 EPD380 ERT1	E110 ERT1
25CU6-5062	70D30 72DUV1	E110 EPD380 EUV1	E110 EUV1	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

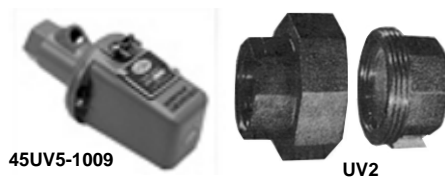
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 PURCH	PC-2 EXCH
1	EA	77429	71D60 PROGRAMMER		
1	EA	77439	72DUV1 AMPLIFIER		

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



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

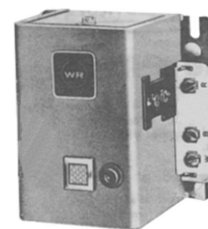
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	77423	45UV5-1009 UV SCANNER	
1	EA	77389	48PT2-1007 INFRARED SCANNER	
1	EA	77390	48PT2-9007 INFRARED SCANNER	
1	EA	77382	UV1A6 UV SCANNER	
1	EA	77383	UV2 UV SCANNER	

Scanner Parts

1	EA	77377	4-263-1 FIRETRON CELL F/48PT2	
1	EA	77385	35-69 HEAT INSULATOR	

White-Rodgers® 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 Programmors



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.

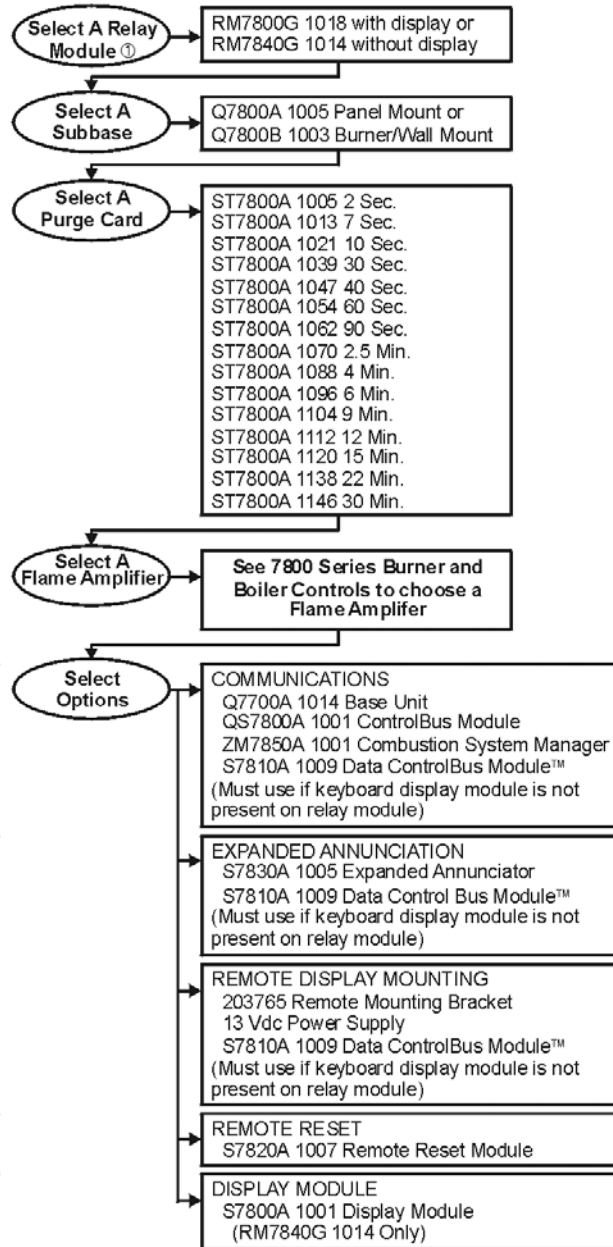
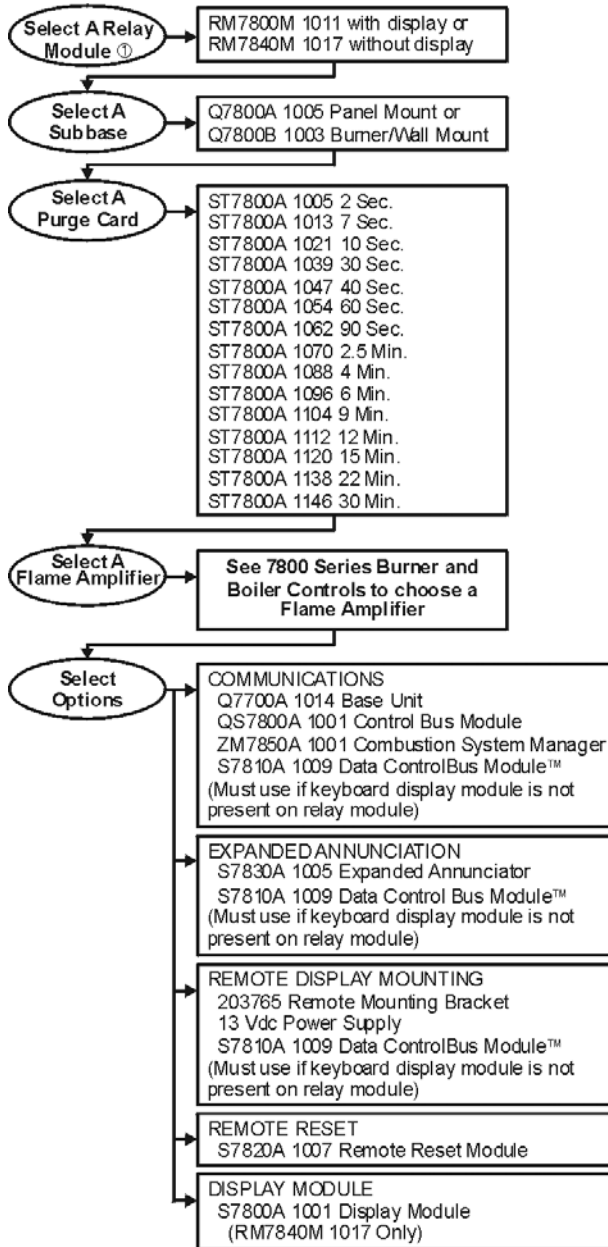
Honeywell Burner Control Selection Flow Chart

On-Off Burner Control UL RM7800/7840 M

Modulation Burner Control UL RM7800/7840 G

UL/CSA On-Off Burner Control

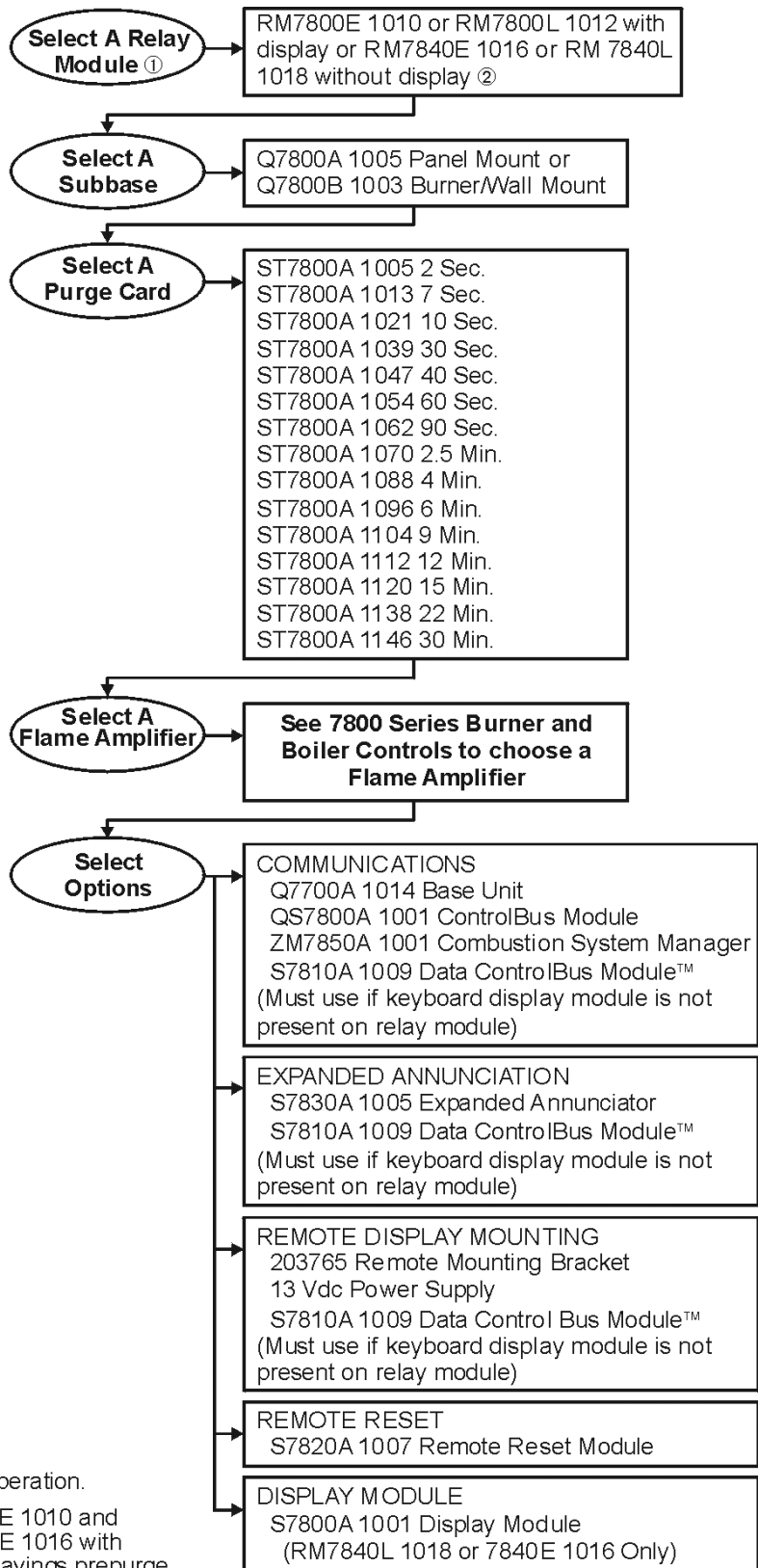
UL/CSA Modulation Burner Control



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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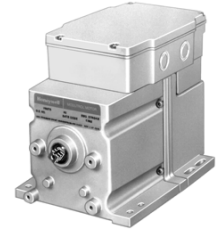
Old Model No.	New Model No.	Or	Configure Tradeline Model as Described	Set Stroke to (degrees)	Add Internal Transformer	Add Aux. Switches	Comments
M941A 1008	M9484D 1002		M9184D 1013a				Replaced motor is 15/30 seconds.
M941A 1016	M9484D 1010		M9184D 1013a				
M941A 1024	M9494D 1000		M9194D 1003				
M941A 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		

^aThe M9184D 1013 and M9184D 1021 have the same features and functions except the M9184D 1021 has tapped shaft for Flame Safeguard applications.

^bReplaced motor is normally open, can use auxiliary end of Tradeline motor. ^cAdd 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 Cadmium 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.

*Auxiliary 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



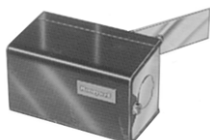
Used as a freeze warning device. Completes circuit to household lamp on temperature fall, indicating inoperative heating equipment. Plugs directly into wall outlet. Lamp plugs into receptacle at bottom of Winter Watchman device. Useful when house is unoccupied to notify a neighbor of a temperature drop 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 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%.

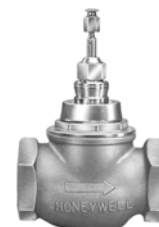
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	73632	V4055A 1031 ACTUATOR	
2	EA	73634	V4055A 1064 ACTUATOR	
2	EA	73635	V4055A 1098 ACTUATOR	
2	EA	73633	V4055D1019/U ACTUATOR	
2	EA	73636	V4055D 1001 ACTUATOR	

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		Pipe Conn.	Lift Inches
				Cv	kv		
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 except 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 economizer 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

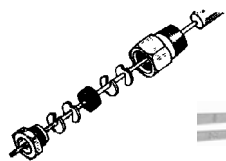
U.L. Component Recognized

Model No.	Modulating Econ. With Mod. Low Limit	Modulating Heating Output	Modulating Cooling Output	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



26025B, 26026G



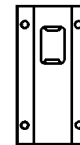
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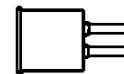
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107323A



107324A



130367

7617M: Illustration above shows an exploded view of the pressure fitting.

26025B: Crank Arm Assembly. 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

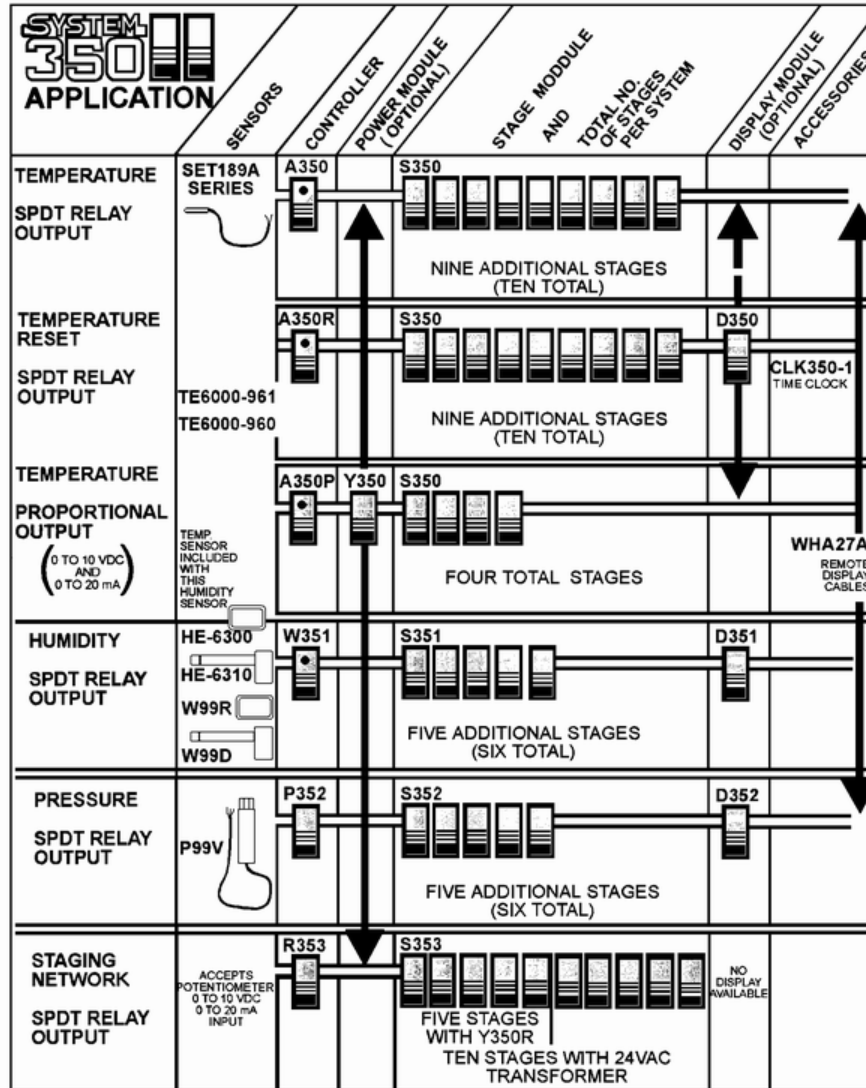
130367: CAD cell assembly for use with models C554A.

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

**JOHNSON
CONTROLS 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.

Accessories

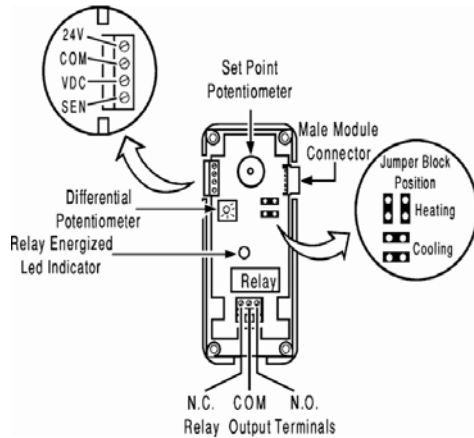
The base silicon sensor (SET189A-600R) is included with each A350A and A350B control module.

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.



Wiring Diagram

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

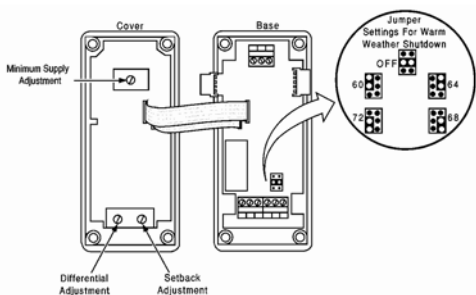
Temperature Range	A350P	-30 to 130° F; 90 to 250° F.
Throttling Range		2 F to 30° F.
Input Range	Transformer	24 Vac Class 2 50/60 Hz. + 15% -10% 20 VA min. 40 VA max.
	Y350R	Power module 24 volt rectified AC 120/240 Vac 50/60 Hz., class 2
Proportional Output		0 to 10 Vdc (750 ohm load min.) or 0 to 20 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 temperature at the outside sensor. The output consists of a single-pole, single throw, normally open relay. Includes LED indication of both relay status and night setback mode. Adjustments include: reset 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.

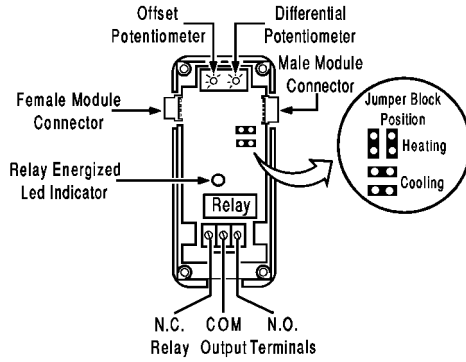
Applications

- Single or multi-stage boiler rest.
- Warm air reset of plenum temperature.

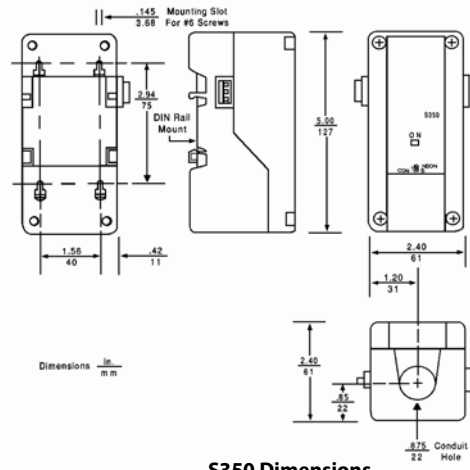
Model No.	Output	Minimum Supply Temperature Adj.	Differential	Reset Ratio Adj. (Outdoor/Indoor)	Electrical Contact Ratings 24 Vac	Temperature Sensors
A350RN-1C	SPST	50 to 30 F	1 to 30 F	1:5 to 3:1	4 amp, 24 Vac Pilot duty 42.4 VA at Vac	SET189A-600R or SET189A-607R
A350RP-1C	SPST	10 to 71 C	0.5 to 17 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	

JOHNSON CONTROLS **S350 Stage-Adder Module**



Wiring Diagram



S350 Dimensions

The S350 Staging Module is used in conjunction 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		

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

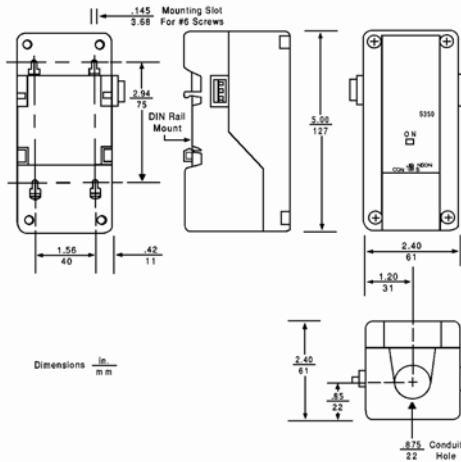
Selection Chart S350 Stage-Adder

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

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	



System 350 DIN Rail Mounting Hardware

The BKT287 DIN rail can be used as an alternate means of mounting System 350 modules in an enclosure or open area.

- Quick, easy "slide-on" mounting concept.
- Ease of replacement and/or add-on retrofit.
- Dimensions: 35 x 75 mm, 0.30m (12 in.) long.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75149	BKT287-1R DIN RAIL MTG BRACKET	



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 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.



ICM203

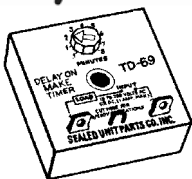
ICM209 Time Delay on Break Timer

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.

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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 setting 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



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

MSR-50RK/R

MSR-50RK/AV/R

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.



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)	Output (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)
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	11342	270 21X25X14 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" ACCELERATOR 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



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

*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 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	11342	270 21X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR
1	EA	11348	270-MFB 17 1/2X25X20 FURNACE BASE W/DOOR
1	EA	11349	270-MFB 21X25X20 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



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
- 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								
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	11342	270 21X25X14 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	11348	270-MFB 17 1/2X25X20 FURNACE BASE W/DOOR
1	EA	11349	270-MFB 21X25X20 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	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



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	11342	270 21X25X14 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	11348	270-MFB 17 1/2X25X20 FURNACE BASE W/DOOR
1	EA	11349	270-MFB 21X25X20 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	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


AIREASE


A95UH2E 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 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
- 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 and 7 segment LED display, regardless of power interruption
- 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 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)		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							
A95UH2E045B12S	29,000	28,000	44,000	42,000	3	1/2	15	6.8	16-3/8 x 19-1/2	23 x14	130
A95UH2E070B12S	43,000	41,000	66,000	62,000	3	1/2	15	6.8	16-3/8 x 19-1/2	23 x14	138
A95UH2E090C16S	57,000	55,000	88,000	85,000	4	1/2	15	8.4	19-7/8 x 19-1/2	23 x14	166
A95UH2E110C20S	72,000	70,000	110,000	105,000	5	1/2	15	10.9	19-7/8 x 19-1/2	23 x14	174
A95UH2E135D20S	88,000	84,000	135,000	126,000	5	1/2	20	10.9	23-3/8 x 19-1/2	23 x14	189

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	84891	A95UH2E045B12S 2 STG 95% 45K 3T W/X13 FURNACE UPFLOW/HORIZONTAL
33 x 17-1/2 x 28-1/2	1	EA	84892	A95UH2E070B12S 2 STG 95% 70K 3T W/X13 FURNACE UPFLOW/HORIZONTAL
33 x 21 x 28-1/2	1	EA	84893	A95UH2E090C16S 2 STG 95% 90K 4T W/X13 FURNACE UPFLOW/HORIZONTAL
33 x 21 x 28-1/2	1	EA	84894	A95UH2E110C20S 2 STG 95% 110K 5T W/X13 FURNACE UPFLOW/HORIZONTAL
33 x 24-1/2 x 28-1/2	1	EA	84895	A95UH2E135D20S 2 STG 95% 135K 5T W/X13 FURNACE UPFLOW/HORIZONTAL

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



A95DF2E 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
- 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 and 7 segment LED display, regardless of power interruption
- Hot surge 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 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)		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							
A95DF2E045B12S	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
A95DF2E070B12S	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
A95DF2E090C16S	57,000	56,000	88,000	85,000	5	1/2	20	10.9	19-7/8 x 20-1/8	19-7/8 x 19-1/2	166
A95DF2E110C20S	72,000	70,000	110,000	106,000	5	1/2	20	10.9	19-7/8 x 20-1/8	19-7/8 x 19-1/2	176

Downflow Furnaces

Pricing 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	84896	A95DF2E045B12S 2 STG 95% 45K 3T W/X13 FURNACE DOWNFLOW
33 x 17-1/2 x 28-1/2	1	EA	84897	A95DF2E070B16S 2 STG 95% 70K 4T W/X13 FURNACE DOWNFLOW
33 x 21 x 28-1/2	1	EA	84898	A95DF2E090C16S 2 STG 95% 90K 4T W/X13 FURNACE DOWNFLOW
33 x 21 x 28-1/2	1	EA	84899	A95DF2E110C20S 2 STG 95% 110K 5T W/X13 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" ACCELERATOR CONCENTRIC VENT KIT
6	EA	84445	HVENT-2 2IN HORIZ TERM KIT
6	EA	84446	HVENT-3 3IN HORIZ TERM KIT



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		Nom. Cooling Capacity	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In.)	Weight (Lbs.)
	Input	Output						
A95UH1E045B12S	44,000	42,000	1-1/2-3	635-1215	16-3/8 x 19-1/2	23 x14	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	11342	270 21X25X14 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



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		Nom. Cooling Capacity	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In.)	Weight (Lbs.)
	Input	Output						
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	11342	270 21X25X14 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



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		Add On Cooling	CFM Range	Dimensions H x W x D (In.)	Return W x D	Supply W x D	Weight (Lbs.)
	Input	Output						
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	11342	270 21X25X14 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" ACCELERATOR 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



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
- Alumined 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	11342	270 21X25X14 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



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		Add On Cooling	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In.)	Weight (Lbs.)
	Input	Output						
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
A93UH1D135D20A	132,000	123,000	4.0-5.0	1550-2200	23-3/8 x 19-1/2	23 x 14	33-1/2 x 24-1/2 x 28-1/2	178

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	11342	270 21X25X14 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



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
A93UH1D135D20A	132,000	123,000	4.0-5.0	1550-2200	23-3/8 x 19-1/2	23 x 14	33-1/2 x 24-1/2 x 28-1/2	178

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	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
1	EA	84342	71M80 1-1/2" CONCENTRIC VENT KIT
1	EA	85411	11K50 LP KIT F/80 THRU 95 SINGLE STG
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	11342	270 21X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR



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
- Rorable 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. Cap (Tons)	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In.)	Weight (Lbs.)
	Input	Output*						
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	11342	270 21X25X14 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



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		Nominal Clg. Cap. (Tons)	CFM Range	Supply W x D	Return W x D	Dimensions H x W x D (In.)	Weight (Lbs.)
	Input	Cap (Tons)						
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	11342	270 21X25X14 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



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	11342	270 21X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR



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	11342	270 21X25X14 FURNACE BASE W/DOOR
1	EA	11343	270 24 1/2X25X14 FURNACE BASE W/DOOR



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 impacted 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	67,500	57,000	84	2.0-3.0	18 x 19-5/8	18 x 22	54 x 19-1/2 x 30-5/8	230
	.65	85,500	72,000						
L83UF1D84/95E16	.65	101,000	84,000	83	2.5-4.0	18 x 19-5/8	18 x 22	54 x 19-1/2 x 30-5/8	250
	.75	113,500	95,000						
L83UF1D112/125F20	.85	135,000	113,000	83	3.0-5.0	21 x 22-1/8	18 x 22	54 x 22-1/2 x 33-1/8	270
	1.00	151,000	126,000						

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	101,000	85,000	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
	.75	113,500	95,000						
L83HF1D112/125F20	.85	135,000	113,000	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
	1.00	150,000	126,000						

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	67,500	57,000	84	2.0-3.0	18 x 21	18 x 16	37 x 19-1/2 x 52	220
	.65	85,500	72,000						
L83BF1D84/95E16	.65	101,000	85,000	83	2.5-4.0	18 x 21	18 x 16	37 x 19-1/2 x 52	225
	.75	113,500	95,000						
L83BF1D112/125F20	.85	134,000	113,000	83	3.0-5.0	21 x 21	21 x 16	37 x 22-1/2 x 52	270
	1.00	151,000	127,000						

Upflow Models

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	85880	L83UF1D57/72E12 GRAY 83% UPLFLOW OIL FURNACE
1	EA	85881	L83UF1D84/95E16 GRAY 83% UPLFLOW OIL FURNACE
1	EA	85882	L83UF1D112/125F20 GRAY 83% UPLFLOW OIL FURNACE

Horizontal/Counterflow Models

1	EA	85883	L83HF1D84/95E12 GRAY 83% COUNTERFLOW/HORIZ OIL FURNACE
1	EA	85884	L83HF1D112/125F20 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	L83BF1D112/125F20 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 output.

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



Cabinets for Counterflow Coils

- Lined with 1 inch duct liner to reduce noise
- Removable access panel is gasket sealed

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	23211	655-24 14W X 16H X 28D COIL CABINET ONLY	
1	EA	23212	655-30 18W X 20H X 28D COIL CABINET ONLY	
1	EA	23213	655-36 22W X 20H X 28D COIL CABINET ONLY	
1	EA	23214	655-48 24W X 22H X 28D COIL CABINET ONLY	
1	EA	23215	655-60 24W X 24H X 28D COIL CABINET ONLY	
1	EA	23216	655-61 26W X 26H X 28D COIL CABINET ONLY	



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 airflow

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

Warrantiest

- 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

4SCU20LX136P-1

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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45CU20LX148P-1

Furnace	Evaporaor 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

45CU20LX160P-1

Furnace	Evaporaor 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	84662	4SCU18LS136P-1 18 SEER 208/230V 1PH R-410A CONDENSER COMMUNICATING
44 x 35-2/3 x 37-2/3	1	EA	84663	4SCU18LS148P-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
Evaporator Coil or Air Handler	Variable Speed Furnace						Outdoor		Indoor		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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4SCU18LS136P Continued

Indoor Model		SEER	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		TXV		
Evaporator Coil or Air Handler	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid		Suction	Liquid
							Suction	Liquid	Suction	Liquid					
E(U,C,M,H)1P43C	A95UH1E090C16S	16.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M)1P30B	A95UH2V045B12S	16.5	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36B	A95UH2V045B12S	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43B	A95UH2V045B12S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M)1P30B	A95UH2V070B12S	17.0	11.5	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36B	A95UH2V070B12S	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43B	A95UH2V070B12S	17.5	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	A95UH2V090C12S	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M)1P30C	A95UH2V090C12S	17.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36C	A95UH2V090C12S	17.0	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43C	A95UH2V090C12S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	A95UH2V090C16S	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M)1P30C	A95UH2V090C16S	17.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36C	A95UH2V090C16S	17.0	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43C	A95UH2V090C16S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36C	A95UH2V090C16S	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43C	A95UH2V090C16S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	A95UH2V090C20S	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M)1P30C	A95UH2V090C20S	17.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36C	A95UH2V090C20S	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43C	A95UH2V090C20S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	A95UH2V110C16S	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M)1P30C	A95UH2V110C16S	17.0	12.0	34,500	26,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36C	A95UH2V110C16S	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43C	A95UH2V110C16S	17.5	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36B	A96DFMV070B12 A97DSMV070B12	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43B	A96DFMV070B12 A97DSMV070B12	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	A96DFMV090C16 A97DSMV090C16	17.5	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36C	A96DFMV090C16 A97DSMV090C16	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43C	A96DFMV090C16 A97DSMV090C16	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	A96DFMV090C20 A97DSMV090C20	17.5	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36C	A96DFMV090C20 A97DSMV090C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43C	A96DFMV090C20 A97DSMV090C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	A96DFMV110C20 A97DSMV110C20	17.5	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36C	A96DFMV110C20 A97DSMV110C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43C	A96DFMV110C20 A97DSMV110C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36B	A96UHMV070B12 A97USMV070B12	17.0	12.0	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43B	A96UHMV070B12 A97USMV070B12	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	A96UHMV090C12 A97USMV090C12	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36C	A96UHMV090C12 A97USMV090C12	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43C	A96UHMV090C12 A97USMV090C12	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	A96UHMV110C20 A97USMV110C20	18.0	13.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P36C	A96UHMV110C20 A97USMV110C20	17.5	12.5	36,000	27,000	1200	7/8	3/8	3/4	3/8	7/8	3/8	A4TXV01		
E(U,C,M,H)1P43C	A96UHMV110C20 A97USMV110C20	17.0	12.5	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	LBR84-95V14	15.8	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	LHF84-95V12	15.8	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	LHR84-95V12	15.8	12.3	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	LUF112-125V20	15.8	12.3	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	LUF57-72V12	15.8	12.0	36,000	27,000	1200	7/8	3/8	7/8	3/8	7/8	3/8	A4TXV01		
E(U,C,H)1P62C	LUF84-95V14	15.8	12.3	36,000	27,000	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		
Evaporator Coil or Air Handler	Variable Speed Furnace						Outdoor		Indoor		Suction			Liquid	
							Suction	Liquid	Suction	Liquid	Suction	Liquid			
BCS2M48@00NA1P		15.5	12.0	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	EFV16CC	15.5	12.0	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	EFV16CC	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	EFV16CC	15.1	11.5	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62D	EFV20DC	15.5	12.0	46,000	34,100	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	A80DF1E110C20	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	A80DF1E110C20	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80DF1E110C20	14.5	11.5	46,500	34,800	1600	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	47,000	34,800	1600	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	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80+2V110C20	15.0	11.5	46,500	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	A80UH1E090C20*	15.1	12.0	46,500	34,400	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	A80UH1E090C20*	15.1	12.0	47,000	34,800	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80UH1E090C20*	14.5	11.7	46,000	34,100	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	A80UH1E110C20*	15.1	12.0	46,500	34,400	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	A80UH1E110C20*	15.1	12.0	47,000	34,800	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80UH1E110C20*	14.5	11.7	46,000	34,100	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	A80#2V090C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	A80#2V090C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80#2V090C20	14.5	11.5	46,500	34,800	1600	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	47,000	34,800	1600	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	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80#2V110C20	14.5	11.5	46,500	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62D	A80#2V135D20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	A95DF1E110C20S	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	A95DF1E110C20S	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A95DF1E110C20S	14.0	11.5	46,500	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
BCS2M48@00NA1P		15.5	12.0	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	EFV16CC	15.5	12.0	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	EFV16CC	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	EFV16CC	15.1	11.5	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62D	EFV20DC	15.5	12.0	46,000	34,100	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	A80DF1E110C20	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	A80DF1E110C20	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80DF1E110C20	14.5	11.5	46,500	34,800	1600	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	47,000	34,800	1600	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	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80+2V110C20	15.0	11.5	46,500	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	A80UH1E090C20*	15.1	12.0	46,500	34,400	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	A80UH1E090C20*	15.1	12.0	47,000	34,800	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80UH1E090C20*	14.5	11.7	46,000	34,100	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	A80UH1E110C20*	15.1	12.0	46,500	34,400	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	A80UH1E110C20*	15.1	12.0	47,000	34,800	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80UH1E110C20*	14.5	11.7	46,000	34,100	1550	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	A80#2V090C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	A80#2V090C20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80#2V090C20	14.5	11.5	46,500	34,800	1600	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	47,000	34,800	1600	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	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A80#2V110C20	14.5	11.5	46,500	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62D	A80#2V135D20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P49C	A95DF1E110C20S	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,H)1P62C	A95DF1E110C20S	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		
E(U,C,M)1P48C	A95DF1E110C20S	14.0	11.5	46,500	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03		

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4SCU148P Continued

Indoor Model		SEER	EER	AHRI Rated Capacity (BTUH)	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		TXV
Evaporator Coil or Air Handler	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	
							Suction	Liquid	Suction	Liquid			
E(U,C,M)1P48C	A95UH2V110C16S	14.8	11.5	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A95UH2V110C20S	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A95UH2V110C20S	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,M)1P48C	A95UH2V110C20S	14.8	11.0	46,500	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62D	A95UH2V135D20S	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A96DFMV090C16 A97DSMV090C16	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A96DFMV090C16 A97DSMV090C16	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,M)1P48C	A96DFMV090C16 A97DSMV090C16	14.5	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A96DFMV090C20 A97DSMV090C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A96DFMV090C20 A97DSMV090C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,M)1P48C	A96DFMV090C20 A97DSMV090C20	14.5	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A96DFMV110C20 A97DSMV110C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A96DFMV110C20 A97DSMV110C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,M)1P48C	A96DFMV110C20 A97DSMV110C20	15.0	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A96UHMV090C16 A97USMV090C16	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A96UHMV090C16 A97USMV090C16	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,M)1P48C	A96UHMV090C16 A97USMV090C16	14.5	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P49C	A96UHMV090C20 A97USMV090C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62C	A96UHMV090C20 A97USMV090C20	15.5	11.5	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,M)1P48C	A96UHMV090C20 A97USMV090C20	15.0	11.5	46,500	34,400	1600	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	47,000	34,800	1600	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	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,M)1P48C	A96UHMV110C20 A97USMV110C20	14.5	11.0	46,000	34,400	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62D	A96UHMV135D20 A97USMV135D20	15.5	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03
E(U,C,H)1P62D	LUF****V20	15.1	12.0	47,000	34,800	1600	7/8	3/8	7/8	3/8	1 1/8	3/8	H4TXV03

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45CU160P

Indoor Model		SEER	EER	AHR1 Rated Capacity (BTUH)	Sensible Rated Capacity	CFM	Refrigerant Connection				Refrigerant Line Size		TXV		
Evaporator Coil or Air Handler	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid		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		



4SCU16LS Condensing Units

16 SEER, R-410A



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

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	84657	4SCU16LS124P-1 16 SEER 208/230V 1PH R-410A CONDENSER COMMUNICATING
29-3/4 x 31-1/4 x 29-3/8	1	EA	84658	4SCU16LS136P-1 16 SEER 208/230V 1PH R-410A CONDENSER COMMUNICATING
37-3/4 x 31-1/4 x 29-3/8	1	EA	84659	4SCU16LS148P-1 16 SEER 208/230V 1PH R-410A CONDENSER COMMUNICATING
43-3/4 x 31-1/4 x 29-3/8	1	EA	84660	4SCU16LS160P-1 16 SEER 208/230V 1PH R-410A CONDENSER COMMUNICATING

Accessories

For the Following Equipment	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4SCU16LT124, 36	1	EA	67835	A4TXV01-1 R-410A EXPANSION VALVE
4SCU16LT148	1	EA	67836	A4TXV02-1 R-410A EXPANSION VALVE
4SCU16LT160	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		
Evaporator Coil or Air Handler	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid		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		
Evaporator Coil or Air Handler	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid		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	A80UH1E070B12*	15.0	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	A80UH1E070B12*	15.5	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	A80UH1E090B16*	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	A80UH1E090B16*	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)1P36A	A80#2V070A12	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	A80#2V090B12	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)1P43B	A80#2V090B12	15.5	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	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	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#2V090C20	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#2V090C20	15.5	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)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)1P36B	A95DF1E070B16S	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	A95DF1E070B16S	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	A95DF1E090C16S	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)1P43C	A95DF1E090C16S	15.5	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	A95DF2V045B12S	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	A95DF2V045B12S	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	A95DF2V070B16S	15.0	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	A95DF2V070B16S	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	A95DF2V090C20S	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	A95DF2V090C20S	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	A95DF2V110C20S	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	A95DF2V110C20S	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	A95UH1E070B12S	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	A95UH1E070B12S	15.5	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)1P36C	A95UH1E090C16S	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)1P43C	A95UH1E090C16S	15.5	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
Evaporator Coil or Air Handler	Variable Speed Furnace						Outdoor		Indoor		Suction	Liquid	
							Suction	Liquid	Suction	Liquid			
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
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
Evaporator Coil or Air Handler	Variable Speed Furnace						Outdoor		Indoor		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
Evaporator Coil or Air Handler	Variable Speed Furnace						Outdoor		Indoor		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



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)

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	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	84652	4SCU14LE130P 14 SEER 208/230V 1PH CONDENSER R410A 1.343062
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
33-3/4 x 29.38 x 31-1/4	1	EA	84655	4SCU14LE148P 14 SEER 208/230V 1PH CONDENSER R410A 1.343065
37-3/4 x 29.38 x 37-3/4	1	EA	84649	4SCU14LE159P 14 SEER 208/230V 1PH CONDENSER R410A
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

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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	Indoor	Liquid	Suction	Liquid	Piston ²	TXV
							Suction	Suction		Suction	Liquid		
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	Indoor	Liquid	Suction	Liquid	Piston ²	TXV
							Suction	Suction					
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	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 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
4SCU14LE130P-4													
BCE3M30C****P		14.0	11.5	27000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
BCS2M36S00NA1P		15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
BCS2M36V00NA1P		15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	EFV12BC	14.5	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A97USMV070B12	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A97DSMV070B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95UH2V070B12	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95UH2V045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95UH2E070B12	14.5	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95UH2E045B12	15.0	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95UH1E070B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95UH1E045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95DF2V070B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95DF2V045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95DF2E070B16	15.0	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95DF2E045B12	14.5	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95DF1E070B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A95DF1E045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A80US2V090B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29A	A80US2V070A12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A80UH1E090B16	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29A	A80UH1E070B12	15.5	12.7	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29A	A80UH1E045A12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A80DS2V090B16	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A80DS2V070A12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A80DF2V090B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A80DF2V070A12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	A80DF1E090B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29A	A80DF1E070B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29A	A80DF1E045A12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	L83UF1V84/95E14	14.5	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P29B	L83B*1V84/95E14	14.5	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	EFV16CC	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	EFV12BC	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A97USMV090C16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A97USMV090C12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A97UMV070B12	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A97DSMV090C16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A97DSMV070B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A95UH2V090C16	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A95UH2V090C12	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95UH2V070B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95UH2V045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95UH2E070B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95UH2E045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A95UH1E090C16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95UH1E070B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95UH1E045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A95DF2V110C20	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A95DF2V090C20	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95DF2V070B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95DF2V045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95DF2E070B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95DF2E045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A95DF1E090C16	15.1	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95DF1E070B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A95DF1E045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A80US2V090C20	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A80US2V090B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A80US2V090B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	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		Liquid	Suction	Liquid	Piston ²	TXV
							Suction	Suction					
45CU14LE130P-4													
E*1P36A	A80US2V070A12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A80UH1E090B16	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A80UH1E070B12	15.5	12.7	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36A	A80UH1E045A12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A80DS2V110C20	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A80DS2V090B16	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36A	A80DS2V070A12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36C	A80DF2V110C20	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A80DF2V090B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36A	A80DF2V070A12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A80DF1E090B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	A80DF1E070B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36A	A80DF1E045A12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	L83UF1V84/95E14	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P36B	L83B*1V84/95E14	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A97USMV070B12	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43C	A95UH2V090C16	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43C	A95UH2V090C12	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95UH2V070B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95UH2V045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95UH2E070B12	14.5	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95UH2E045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43C	A95UH1E090C16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95UH1E070B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95UH1E045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43C	A95DF2V110C20	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43C	A95DF2V090C20	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95DF2V070B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95DF2V045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95DF2E070B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95DF2E045B12	14.5	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43C	A95DF1E090C16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95DF1E070B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A95DF1E045B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A80US2V090B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A80US2V090B12	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A80UH1E090B16	16.0	13.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A80UH1E070B12	15.5	12.7	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A80DF1E090B16	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	A80DF1E070B12	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	L83UF1V84/95E14	14.5	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	L83UF1V57/72E12	14.5	12.0	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01
E*1P43B	L83B*1V84/95E14	15.1	12.5	28000	21500	1000	3/4	3/4	3/8	3/4	3/8	0.065	A4TXV01

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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	Indoor	Liquid	Suction	Liquid	Piston ²	TXV
		Suction	Suction										
45CU14LE136P-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 BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection			Refrigerant Line Size		Indoor Expansion Device	
Evaporator Coil or Air Handler ³	Variable Speed Furnace						Outdoor	Indoor	Liquid	Suction	Liquid	Piston ²	TXV
							Suction	Suction					
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	A95UH1E090C12	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 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
		4SCU14LE148P-4											
BCE3M48C****P		14.0	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
BCS2M48S00NA1P		15.1	12.5	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
BCS2M48V00NA1P		15.1	12.5	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
BCS2M60V00NA1P		15.0	12.5	47000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P49C	A97USMV110C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P49C	A97USMV110C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P49C	A97DSMV110C20	14.5	12.0	46000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P49C	A95UH2V110C16	14.5	11.5	46000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P49C	A95UH2E090C16	14.5	11.5	46000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P49C	A95DF2E090C16	14.5	11.5	46000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P49C	A80US2V110C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P49C	A80US2V090C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P49C	A80DS2V110C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P49C	A80DF2V110C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P49C	L85B*1V104/118F20	14.0	12.0	46000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62C	A97USMV110C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62C	A97USMV110C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62C	A95UH2V110C16	14.5	11.5	46000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62C	A95UH2E090C16	14.5	11.5	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62C	A95DF2E090C16	14.5	11.5	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62C	A80US2V110C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62C	A80US2V090C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62C	A80DS2V110C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62C	A80DF2V110C20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62D	A97USMV135D20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P60D	A97USMV135D20	14.5	12.0	46000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62D	A95UH2V135D20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P60D	A95UH2V135D20	14.5	12.0	46000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62D	A80US2V135D20	14.5	12.0	46000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P60D	A80US2V135D20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P60D	A80UH1E135D20	14.5	12.0	46000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P60D	A80UH1E135D20	14.5	12.0	46000	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02
E*1P62D	L83B*1V112/125F20	14.5	12.0	46500	35300	1600	7/8	7/8	3/8	7/8	3/8	0.083	A4TXV02

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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	A95UH2V130C16	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

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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 210/240² 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.



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 gauge 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".

Continued on the Following Page

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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.

Continued on the Following Page

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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".

Continued on the Following Page

45CU13LE124-5 Continued

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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4SCU13LE124-5 Continued

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.

Continued on the Following Page

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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.

Continued on the Following Page

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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 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*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*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*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
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 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
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

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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 gauge ports for easy service
- Stamped, one-piece 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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45CU13LB118-3 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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45CU13LB124-3 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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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*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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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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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

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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

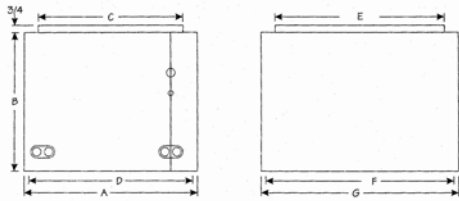


E	U	1P	18	A	N	1
E = Evaporator Coil	U = Uncased C = Cased M = Multipositional H = Horizontal	Expansion Device 1P = Piston	Nominal Capacity 18 = 1.5 ton 24 = 2.0 ton 30 = 2.5 ton 36 = 3.0 ton 48 = 4.0 ton 49 = 4.0 ton 50 = 4.0 ton 60 = 5.0 ton 62 = 5.0 ton	Gas Furnace Cabinet Width A = 14.5 B = 17.5 C = 21 D = 24.5	Color N = Not Applicable G = Gray M = Embossed Unpainted	Series



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 coil is installed with a orifice sizes and fast TXV connections
- complete system with registration
- 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
EC1P48CG-1	21	24-1/2	19-1/2	20	18	20-1/2	22	.082	3/8	7/8	55
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

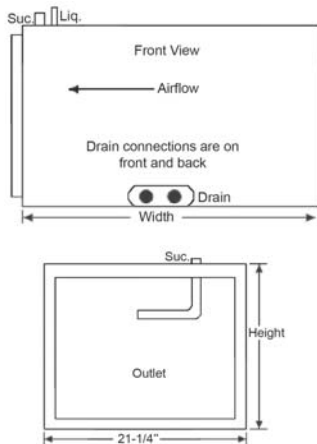
Prices Available on Request

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	60774	EC1P48CG-1 21W 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



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 coil is installed with a complete system with registration

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
EH1P62CM-1	21	31-1/2	19-1/2	19-3/4	20-1/4	20	.093	63	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

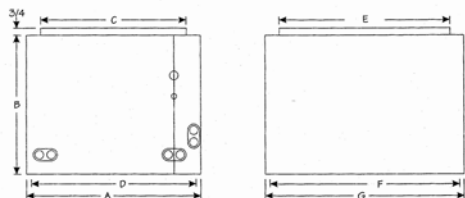
Prices Available on Request

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	67432	EH1P62CM-1 31.5W X 21.25D X 21H HORIZONTAL COIL
1	EA	67438	EH1P62DM-1 31.5W X 21.25D X 24.5H HORIZONTAL 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 coil is installed with a complete 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.)	
EM1P18AG-1	14-1/2	25-1/2	13	13-1/2	19-1/2	20-1/2	21	.051	3/8	3/4	45
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

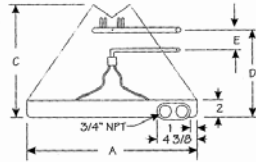
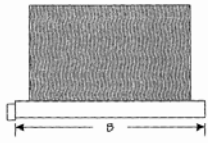
Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	60661	EM1P18AG-1 14.5W X 21D X 25.5H UPFLOW/HORIZONTAL COIL
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

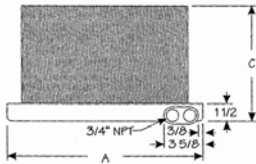
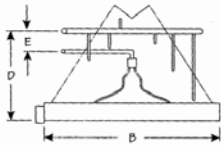


EU1P Uncased Coils

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 coil is installed with a complete system registration

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
EU1P50CN-1	20	19-1/2	26-3/4	23-1/3	5-1/2	.082	3/8	7/8	40
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

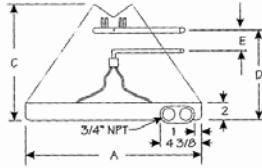
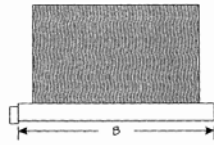
Prices Available on Request

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	60492	EU1P50CN-1 20W X 19.5D X 26.75H 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	HE31130A130A - EUL1P30AN 13WX19.5DX13H UNCASED COIL
1	EA	85091	HE31130A155A - EUL1P30B 15.5WX19.5DX13H UNCASED COIL
1	EA	85092	HE33136A155A - EUL1P36B 15.5WX19.5DX17H UNCASED COIL
1	EA	85093	HE33136A170A - EUL1P36Z 17WX19.5DX17H 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

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
18	EA	83997	HE30224A130A0000 AP 13W X 19.5D X 11H UNCASED A-COIL
18	EA	83990	HE31230A130A0000 AP 13W X 19.5D X 13H UNCASED A-COIL
18	EA	83991	HE31230A155A0000 AP 15.5W X 19.5D X 13H UNCASED A-COIL
12	EA	83992	HE33236A155A0000 AP 15.5W X 19.5D X 17H UNCASED A-COIL
8	EA	83993	HE33236A170A0000 AP 17W X 19.5D X 17H UNCASED A-COIL
8	EA	83994	HE34242A200A0000 AP 20W X 19.5D X 19H UNCASED A-COIL
4	EA	83995	HE35248A200A0000 AP 20W X 19.5D X 21H UNCASED A-COIL
4	EA	83996	HE37260A200A0000 AP 20W X 19.5D X 25H 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 airflow

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

Warrantiest

- 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.



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.

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
44 x 37.66 x 35.66	1	EA	84694	4SHP18LS136P 18 SEER 208/230V 1PH HEAT PUMP COMMUNICATING
44 x 37.66 x 35.66	1	EA	84695	4SHP18LS148P 18 SEER 208/230V 1PH HEAT PUMP COMMUNICATING
44 x 37.66 x 35.66	1	EA	84696	4SHP18LS160P 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
4SHP18LS148, 60	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE



4SHP18LS 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			
							Btuh	COP	Btuh						COP

4SHP18LS24P

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

4SHP18LT36P

BCS2M48V00NA1P		17.0	12.5	35,000	26,300	8.7	34,000	3.5	22,000	2.70	1,200	7/8	7/8	7/8	H4TXV01
E(U,C,H)1P62C	EFV16CC	17.0	12.5	35,000	26,300	9.0	34,600	3.5	22,000	2.70	1,200	7/8	7/8	7/8	H4TXV01
E(U,C,H)1P62C	80G2UH110CV20	17.0	13.0	35,000	26,300	9.0	34,600	3.5	22,000	2.70	1,200	7/8	7/8	7/8	H4TXV01
E(U,C,H)1P62C	95G1DF090CE16	17.0	13.0	35,000	26,300	9.0	34,600	3.5	22,000	2.70	1,200	7/8	7/8	7/8	H4TXV01
E(U,C,H)1P62C	95G2DF090CV20	17.0	13.0	35,000	26,300	9.0	34,600	3.5	22,000	2.70	1,200	7/8	7/8	7/8	H4TXV01
E(U,C,H)1P62C	95G2DF110CV20	17.0	13.0	35,000	26,300	9.0	34,600	3.5	22,000	2.70	1,200	7/8	7/8	7/8	H4TXV01
E(U,C,H)1P62C	95G1UH090CE16	17.0	13.0	35,000	26,300	9.0	34,600	3.5	22,000	2.70	1,200	7/8	7/8	7/8	H4TXV01
E(U,C,H)1P62C	95G2UH090CV12	17.0	13.0	35,000	26,300	9.0	34,600	3.5	22,000	2.70	1,200	7/8	7/8	7/8	H4TXV01
E(U,C,H)1P62C	95G2UH090CV20	17.0	13.0	35,000	26,300	9.0	34,600	3.5	22,000	2.70	1,200	7/8	7/8	7/8	H4TXV01

4SHP18LT48P

BCS2M48V00NA1P		15.5	11.5	47,000	34,800	9.0	45,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	EFV16CC	16.0	12.0	47,000	34,800	9.0	45,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62D	EFV20DC	16.0	12.0	47,000	34,800	8.5	45,000	3.3	28,600	2.50	1,600	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	80G1DF110CE20	16.0	12.0	47,000	34,800	8.5	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	80G1UH090CE20	16.0	12.0	47,000	34,800	8.5	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	80G1UH110CE20	16.0	12.0	47,000	34,800	8.5	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	80G2UH110CV20	16.0	12.0	47,000	34,800	9.0	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G1DF090CE16	16.0	12.0	47,000	34,800	8.5	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G1DF110CE20	16.0	12.0	47,000	34,800	8.5	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2DF090CV20	16.0	12.0	47,000	34,800	8.5	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2DF110CV20	16.0	12.0	47,000	34,800	8.5	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G1UH090CE16	16.0	12.0	47,000	34,800	8.5	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G1UH110CE20	16.0	12.0	47,000	34,800	8.5	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2UH090CV20	16.0	12.0	47,000	34,800	8.5	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2UH110CV20	16.0	12.0	47,000	34,800	8.5	44,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62D	95G2UH135DV20	16.0	12.0	47,000	34,800	8.5	45,000	3.3	28,600	2.50	1,550	7/8	7/8	1-1/8	H4TXV03

4SHP18LT60P

BCS2M60V00NA1P		15.5	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	EFV16CC	15.0	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62D	EFV20DC	15.0	11.0	56,000	42,000	9.0	56,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	80G1DF110CE20	15.0	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	80G1UH090CE20	15.0	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,900	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	80G1UH110CE20	15.0	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,900	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62D	80G1UH135DE20	14.5	11.0	56,000	42,000	9.0	56,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	80G2UH110CV20	15.0	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G1DF110CE20	15.0	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,900	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2DF090CV20	15.0	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2DF110CV20	15.0	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G1UH110CE20	15.0	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,900	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62D	95G1UH135DE20	14.5	11.0	56,000	42,000	9.0	56,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2UH090CV20	15.0	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62C	95G2UH110CV20	15.0	11.0	56,000	42,000	9.0	55,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03
E(U,C,H)1P62D	95G2UH135DV20	15.0	11.0	56,000	42,000	9.0	56,000	3.5	37,000	2.50	1,800	7/8	7/8	1-1/8	H4TXV03

* All liquid lines and connections are 3/8".



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.

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	84689	4SHP16LS124P-1 16 SEER 208/230V 1PH HEAT PUMP COMMUNICATING
31-1/4	29-3/8	37-3/4	1	EA	84690	4SHP16LS136P-1 16 SEER 208/230V 1PH HEAT PUMP COMMUNICATING
37-3/4	35-3/4	37-3/4	1	EA	84691	4SHP16LS148P-1 16 SEER 208/230V 1PH HEAT PUMP COMMUNICATING
37-3/4	35-3/4	43-3/4	1	EA	84692	4SHP16LS160P-1 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 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	
							Suction	Suction	Suction				Suction	

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"



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
37-3/4 x 29-1/4 x 31-1/4	1	EA	63557	4SHP14LE124P 14 SEER 208/230V 1PH HEAT PUMP R410A
37-3/4 x 29-1/4 x 31-1/4	1	EA	63561	4SHP14LE130P 14 SEER 208/230V 1PH HEAT PUMP R410A
33-3/4 x 29-1/4 x 31-1/4	1	EA	63565	4SHP14LE136P 14 SEER 208/230V 1PH HEAT PUMP R410A
37.75 x 35.75 x 37.75	1	EA	63566	4SHP14LE142P 14 SEER 208/230V 1PH HEAT PUMP R410A
37.75 x 35.75 x 37.75	1	EA	63574	4SHP14LE148P 14 SEER 208/230V 1PH HEAT PUMP R410A
43.75 x 35.75 x 37.75	1	EA	63585	4SHP14LE160P 14 SEER 208/230V 1PH HEAT PUMP R410A

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		
	Evap. Coil ²	SEER	EER	AHRI Rated Capacity ¹ BTUH	Sensible Capacity BTUH	HSPF	47°		17°		Outdoor		Indoor		Suction	Liquid	Piston ²	TXV	
							BTUH	COP	BTUH		COP	Suction	Liquid	Suction					Liquid
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	H4TXV01	
	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		
4SHP14L*124P-7	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	H4TXV01	
	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		
4SHP14L*130P-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	NA	
	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*136P-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	H4TXV02	
	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*142P-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	H4TXV02	
	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*148P-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	11/8	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	11/8	3/8		



4SHP14LB Heat Pumps

14 SEER, R-410A, Split System

AIREASE™



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 limited 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		Suction	Liquid	Piston ²	TXV		
							Btuh	COP	Btuh		COP	Suction	Liquid	Suction					Liquid	
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			H4TXV01
	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		N/A	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	11/8	3/8			
	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	11/8	3/8	H4TXV03		



Accessories for Heat Pumps



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	63514	R40787-001 ASTAT444 OUTDOOR STAT KIT	



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	



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 separate 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

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	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 Air Handlers

Constant Torque 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 for corrosion resistance
- Microban® antimicrobial built in to drain pan to resist mold and mildew growth a
- 2% or less air leakage

Components

- Constant torque blower motor
- Standard transformer and blower relay
- Field-installed 2.5-20 kW electric heat kits with easy plug connections
- Built-in indoor time delay f
- Sleeves on distributor tubing to protect tubing

Accessories

- Single point power 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/H z/ Phase	Max. Elec. Heat Available (kW)	Transformer Size & Type	Filter Size (In.)	Refrigerant Connection (IDS)		Installed TXV Size	Weight (Lbs.)
					Suction (In.)	Liquid (In.)		
BCE3M24E	208-230/60/1	10	40 VA, Class 2	15 x 20	3/4	3/8	H4TXV01	122
BCE3M30E	208-230/60/1	12.5	40 VA, Class 2	15 x 20	3/4	3/8	H4TXV01	125
BCE3M36E	208-230/60/1	15	40 VA, Class 2	18 x 20	7/8	3/8	H4TXV02	160
BCE3M42E	208-230/60/1	15	40 VA, Class 2	18 x 24	7/8	3/8	H4TXV02	162
BCE3M48E	208-230/60/1	20	40 VA, Class 2	18 x 24	7/8	3/8	H4TXV02	185
BCE3M60E	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
BCE3M24	40-1/2	22	18-1/2	17	16-1/2	20-3/4	16
BCE3M30	43	22	18-1/2	17	16-1/2	20-3/4	16
BCE3M36	48	22	21-7/8	17	19-7/8	20-3/4	19-3/8
BCE3M42	48	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCE3M48	52-1/2	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCE3M60	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	84801	BCE3M24E00NA4X 2T CONSTANT TORQUE MULTI-POSITION AIR HANDLER
1	EA	84802	BCE3M30E00NA4X 2.5T CONSTANT TORQUE MULTI-POSITION AIR HANDLER
1	EA	84803	BCE3M36E00NA4X 3T CONSTANT TORQUE MULTI-POSITION AIR HANDLER
1	EA	84804	BCE3M42E00NA4X 3.5T CONSTANT TORQUE MULTI-POSITION AIR HANDLER
1	EA	84805	BCE3M48E00NA4X 4T CONSTANT TORQUE MULTI-POSITION AIR HANDLER
1	EA	84806	BCE3M60E00NA4X 5T CONSTANT TORQUE MULTI-POSITION AIR HANDLER

Electric Heat Kits

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All BCE3E Models	1	EA	84033	ECB25-5CB-P 5KW (89W44) HEAT STRIP W/CIRCUIT BREAKER
All BCE3E Models	1	EA	84034	ECB25-7CB-P 7.5KW(89W46) HEAT STRIP W/CIRCUIT BREAKER
BCE3E 24, 30, 36, 42, 48, 60	1	EA	84035	ECB25-10CB-P 10KW (89W48) HEAT STRIP W/CIRCUIT BREAKER
BCE3E 30, 36, 42, 48, 60	1	EA	84024	ECB25-12.5CB-P 12.5KW (89W49) HEAT STRIP W/CIRCUIT BREAKER
BCE3E 36, 42, 48, 60	1	EA	84036	ECB25-15CB-P 15KW (10T14) HEAT STRIP W/CIRCUIT BREAKER
BCE 3 48, 60	1	EA	84037	ECB25-20CB-P 20KW (10T35) HEAT STRIP W/CIRCUIT BREAKER



BCE3 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.)		
BCE3M18	208-230/60/1	10	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	7/8	3/8	.057	122
BCE3M30	208-230/60/1	12.5	40 VA, Class 2	15 x 20	7/8	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

Dimensions

Air Handler	Height (In.)	Depth (In.)	Width (In.)	Supply Duct Opening (In.)		Return Duct Opening (In.)	
				Depth	Width	Depth	Width
BCE3M18	38	22	15	17	13	20-3/4	12-1/2
BCE3M24	40-1/2	22	18-1/2	17	16-1/2	20-3/4	16
BCE3M30	43	22	18-1/2	17	16-1/2	20-3/4	16
BCE3M36	48	22	21-7/8	17	19-7/8	20-3/4	19-3/8
BCE3M42	48	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCE3M48	52-1/2	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCE3M60	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

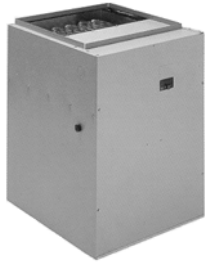
1	EA	84038	96W37 BC3M18 AIR HANDLER DOWNFLOW CONVERSION KIT
1	EA	84039	96W38 BC3M24-30 AIR HANDLER DOWNFLOW CONVERSION KIT
1	EA	84022	97W95 BC3M36 AIR HANDLER DOWNFLOW CONVERSION KIT
1	EA	84023	97W96 BC3M42-60 AIR HANDLER DOWNFLOW CONVERSION KIT

Electric Heat Kits

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
All BCE3 Models	1	EA	84033	ECB25-5CB-P 5KW HEAT STRIP W/CIRCUIT BREAKER
All BCE3 Models	1	EA	84034	ECB25-7CB-P 7.5KW HEAT STRIP W/CIRCUIT BREAKER
All BCE3 Models	1	EA	84035	ECB25-10CB-P 10KW HEAT STRIP W/CIRCUIT BREAKER
BCE3 30, 36, 42, 48, 60	1	EA	84024	ECB25-12.5CB-P 12.5KW HEAT STRIP W/CIRCUIT BREAKER
BCE3 36, 42, 48, 60	1	EA	84036	ECB25-15CB-P 15KW HEAT STRIP W/CIRCUIT BREAKER
BCE3 48, 60	1	EA	84037	ECB25-20CB-P 20KW (89W51) 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 completed 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	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	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



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



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 gauge 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

ALLIED Commercial 4SCU13LC Condensing Unit Performance Ratings with Evaporator Coils

Outdoor Model	Indoor Model	SEER	EER	AHRI Rated Capacity ¹	Rated Sensible Capacity Btuh	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil ³						Outdoor		Indoor		Suction	Liquid	Piston ²	TXV
							Suction	Liquid	Suction	Liquid				
4SCU13LC136F	E(U,C,M)1P50C	13.00	10.80	34,800	26,100	1200	7/8	3/8	7/8	3/8	7/8	3/8	0.073	A4TXV02
	E(U,C,M)1P50C	13.00	10.80	34,800	26,100	1200	7/8	3/8	7/8	3/8	7/8	3/8	0.073	A4TXV02
	E(U,C,M)1P50C	13.00	10.80	34,800	26,100	1200	7/8	3/8	7/8	3/8	7/8	3/8	0.073	A4TXV02
4SCU13LC136T	E(U,C,M)1P50C	13.00	10.80	34,800	26,100	1200	7/8	3/8	7/8	3/8	7/8	3/8	0.073	A4TXV02
	E(U,C,M,H)1P36A,B,C	13.00	10.80	34,800	26,100	1200	7/8	3/8	7/8	3/8	7/8	3/8	0.073	A4TXV02
	E(U,C,M,H)1P43B,C	13.00	10.80	34,800	26,100	1200	7/8	3/8	7/8	3/8	7/8	3/8	0.073	A4TXV02
4SCU13LC148F	E(U,C)1P60D	13.00	10.80	47,000	34,800	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.081	A4TXV02
	E(U,C,H)1P49C	13.00	10.80	47,000	34,800	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.081	A4TXV02
	E(U,C,H)1P62C	13.00	10.80	47,000	34,800	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.081	A4TXV02
	E(U,C,H)1P62D	13.00	10.80	47,000	34,800	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.081	A4TXV02
	E(U,C,M)1P48C	13.00	10.80	46,500	34,400	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.081	A4TXV02
	E(U,C,M)1P50C	13.00	10.80	47,000	34,800	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.081	A4TXV02
4SCU13LC148T	E(U,C)1P60D	13.00	10.80	47,000	34,800	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.081	A4TXV02
	E(U,C,H)1P49C	13.00	10.80	47,000	34,800	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.081	A4TXV02
	E(U,C,H)1P62C	13.00	10.80	47,000	34,800	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.081	A4TXV02
	E(U,C,H)1P62D	13.00	10.80	47,000	34,800	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.081	A4TXV02
	E(U,C,M)1P48C	13.00	10.80	46,500	34,400	1600	7/8	3/8	7/8	3/8	7/8	3/8	NA	A4TXV02
	E(U,C,M)1P50C	13.00	10.80	47,000	34,800	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.081	A4TXV02
4SCU13LC160F	E(U,C,H)1P49C	13.00	11.00	58,000	41,200	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	0.090	H4TXV03
	E(U,C,H)1P62C	13.00	11.00	58,000	41,200	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	0.090	H4TXV03
	E(U,C,H)1P62D	13.00	11.00	58,000	41,200	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	0.090	H4TXV03
4SCU13LC160T	E(U,C,H)1P49C	13.00	11.00	58,000	41,200	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	0.090	H4TXV03
	E(U,C,H)1P62C	13.00	11.00	58,000	41,200	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	0.090	H4TXV03
	E(U,C,H)1P62D	13.00	11.00	58,000	41,200	1800	7/8	3/8	7/8	3/8	1 1/8	3/8	0.090	H4TXV03

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.

ALLIED Commercial 4SHP13LC Light Commercial Heat Pumps

13 SEER, R-410A, 3-Phase



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

- 1 year parts warranty
- 5 year compressor warranty

3-Phase Heat Pumps

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	84210	4SHP13LC136T 3T 208/230V 3PH R410A HEAT PUMP
33-3/4 x 31-1/4 x 29-3/8	1	EA	84211	4SHP13LC148T 4T 208/230V 3PH R410A HEAT PUMP
43-3/4 x 31-1/4 x 29-3/8	1	EA	84212	4SHP13LC160T 5T 208/230V 3PH R410A HEAT PUMP
29-3/4 x 26-3/4 x 24-3/4	1	EA	84213	4SHP13LC136F 3T 460V 3PH R410A HEAT PUMP
33-3/4 x 31-1/4 x 29-3/8	1	EA	84214	4SHP13LC148F 4T 460V 3PH R410A HEAT PUMP
43-3/4 x 31-1/4 x 29-3/8	1	EA	84215	4SHP13LC160F 5T 460V 3PH R410A HEAT PUMP

Accessories

For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
4SHP13LC 36	1	EA	67838	H4TXV02-1 R-410A EXPANSION VALVE
4SHP13LC 48, 60	1	EA	67839	H4TXV03-1 R-410A EXPANSION VALVE
All 4SHP13LC	1	EA	61702	45F08 T6-1469 COMPRESSOR LOW AMBIENT CUT-OFF
All 4SHP13LC	1	EA	86920	93G35 FREEZE THERMOSTAT
All 4SHP13LC	1	EA	61692	34M72 LOW AMBIENT KIT



4SHP13LC Heat Pump Performance Ratings with Air Handlers and Furnaces

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
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	A96DFMV090C12	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 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

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	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	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	7.7	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 warranty

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

ALLIED Commercial TS Split System Commercial Condensing Units

6 to 20 Tons, 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.
- Hi-capacity driers trap moisture or dirt that could contaminate the refrigerant system.

Compressors

- TSA072, 090, and 120S4S models feature a single scroll compressor.
- TSA120S4D, 150, 180 and 240 models have two scroll compressors.
- Crankcase heaters prevent migration of liquid refrigerant into compressors and ensures proper compressor lubrication.

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.

Warranties

- 5 year limited warranty on compressor
- 1 year limited warranty on parts

Specifications

Model No.		TSA072S4S	TSA090S4S	TSA120S4D	TSA150S4D	TSA180S4D	TSA240S4D
Nominal Size	Tons	6	7.5	10	12.5	15	20
Condenser Coil	Net Face Area	Outer Coil	29.3	29.3	29.3	34.2	58.7
	(Sq. Ft.)	Inner Coil	-	28.4	28.4	33.3	57.7
	Tube Diameter	In - No. of Rows	3/8 - 1	3/8 - 2	3/8 - 2	3/8 - 2	3/8 - 2
	Fins Per Inch		20	20	20	20	20
Condenser Fans	Diameter	In - No. of Blades	(1) 24 - 3	(1) 24 - 4	(2) 24 - 3	(2) 24 - 4	(4) 24 - 3
	Motor	HP	(1) 1/3	(1) 1/2	(2) 1/3	(2) 1/2	(4) 1/3
	Total Air Volume	CFM	5,100	5,600	8,300	10,300	16,600
	RPM		1075	1075	1075	1075	1075
	Watts		430	580	830	1130	1660
Connections (Sweat)	Liquid Line - in. (o.d.)		(1) 5/8	(1) 5/8	(2) 5/8	(2) 5/8	(2) 5/8
	Suction Line - in. (o.d.)		(1) 1-1/8	(1) 1-1/8	(2) 1-1/8	(2) 1-1/8	(2) 1-3/8
Shipping Weight	Lbs	325	375	505	560	800	890
Dimensions	H x W x D	In	48-3/4 x 39-7/8 x 48-3/8			48-3/4 x 60-1/8 x 43-5/8	

Model No.	TSA072S4S		TSA090S4S		TSA120S4D		TSA150S4D		TSA180S4D		TSA240S4D	
Line Voltage Data (V) at 60 Hz., 3 Phase	208/230	460	208/230	460	208/230	460	208/230	460	208/230	460	208/230	460
Max. Overcurrent Protection (amps) ¹	45	20	50	25	50	25	60	30	90	40	100	50
Min. Circuit Ampacity ²	27	14	35	17	41	21	49	25	66	33	78	43
Compressor	Rated Load amps (Total)	19	9.7	25	12.2	18(32)	7.8(15.6)	19(38)	9.7(19.4)	25(50)	12.2(24.4)	30.1(60.2)
	Locked Rotor amps (Total)	123	62	164	100	110(220)	52(104)	123(246)	62(124)	164(328)	100(200)	225(450)
Condenser Fan Motor (1 Phase)	Full Load Amps (Total)	2.4	1.3	3	1.5	2.4(4.8)	1.3(2.6)	3(6)	1.5(3)	2.4(9.6)	1.3(5.2)	2.4(9.6)
	Locked Rotor amps (Total)	4.7	2.4	6	3	4.7(9.4)	2.4(4.8)	6(12)	3(6)	4.7(18.8)	2.4(9.6)	4.7(18.8)

¹ HACR type circuit breaker or fuse. ² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84226	TSA072S4S-Y 6T 208/230V 3PH R410A CONDENSER 45W00
1	EA	84228	TSA090S4S-Y 7.5T 208/230V 3PH R410A CONDENSER 45W04
1	EA	84230	TSA120S4D-Y 10T 208/230V 3PH R410A CONDENSER 45W12
1	EA	84232	TSA150S4D-Y 12.5T 208/230V 3PH R410A CONDENSER 45W16
1	EA	84234	TSA180S4D-Y 15T 208/230V 3PH R410A CONDENSER 45W20
1	EA	84236	TSA240S4D-Y 20T 208/230V 3PH R410A CONDENSER 45W24
1	EA	84237	TSA240S4D-G 20T 460V 3PH R410A CONDENSER 45W25
1	EA	84227	TSA072S4S-G 6T 460V 3PH R410A CONDENSER 45W01
1	EA	84229	TSA090S4S-G 7.5T 460V 3PH R410A CONDENSER 45W05
1	EA	84231	TSA120S4D-G 10T 460V 3PH R410A CONDENSER 45W13
1	EA	84233	TSA150S4D-G 12.5T 460V 3PH R410A CONDENSER 45W17
1	EA	84235	TSA180S4D-G 15T 460V 3PH R410A CONDENSER 45W21

Low Ambient Kits

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

ALLIED Commercial TA Split System Commercial Air Handlers

6 to 20 Tons, R-410A



- Models 072, 090, 120, 150: single blower wheel
- Models 180, 240: dual blower wheels
- Control box located in separate compartment in unit cabinet. Box may be relocated to alternate location for easier access.
- Cabinet is constructed of heavy-gauge, galvanized steel. It is completely lined with thick fiberglass insulation resulting in quiet and efficient operation due to the excellent sound deadening and insulating qualities of fiberglass.
- 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.
- Expansion valve is factory installed and piped.
- Multi-circuit coils are equipped with one thermal expansion valve per circuit.
- Knockouts on both sides of the cabinet.
- 5 year limited warranty on compressor
- 1 year limited warranty on parts

Model No.	TAA072S4S	TAA090S4D	TAA120S4D	TAA150S4D	TAA180S4D	TAA240S4D
Nominal Size, Tons	6	7.5	10	12.5	15	20
Connections	Liquid: O.D. - In (sweat)	(1) 5/8	(2) 5/8	(2) 5/8	(2) 5/8	(2) 5/8
	Suction: O.D. - In (sweat)	(1) 1-1/8	(2) 7/8	(2) 7/8	(2) 7/8	(2) 1-1/8
	Condensate Drain - In (fpt)	(1) NPT	(1) NPT	(1) NPT	(1) NPT	(1) NPT
Evaporator Coil	Net face area (Sq. Ft.)	8.2	8.2	11.3	11.3	16.9
	Coil split: 1st /2nd stage (%)	-	50/50	50/50	50/50	50/50
	Tube diameter (In)	3/8	3/8	3/8	3/8	3/8
	Number of Rows	3	4	4	4	3
	Fins per Inch	14	14	14	14	14
Blower & Drive	Wheel (No.) Dia. x Width (In)	(1) 15 x 15	(1) 15 x 15	(1) 15 x 15	(1) 15 x 15	(2) 15 x 15
Filter	Number and size (In)	(3) 16 x 25 x 2	(3) 16 x 25 x 2	(4) 16 x 25 x 2	(4) 16 x 25 x 2	(6) 16 x 25 x 2
Shipping Weight (Lbs.)		380	400	495	515	760
Dimensions	H x W x D (In)	54-3/4 x 29-1/2 x 51-1/4		54-3/4 x 29-1/2 x 67-1/4		54-3/4 x 29-1/2 x 96-1/4

Air Handlers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84238	TAA072S4S 6T 208/230V 3PH R410A AIR HANDLER 45W60
1	EA	84239	TAA072S4S 6T 460V 3PH R410A AIR HANDLER 45W61
1	EA	84240	TAA090S4D 7.5T 208/230V 3PH R410A AIR HANDLER 45W64
1	EA	84241	TAA090S4D 7.5T 460V 3PH R410A AIR HANDLER 45W65
1	EA	84242	TAA120S4D 10T 208/230V 3PH R410A AIR HANDLER 45W68
1	EA	84243	TAA120S4D 10T 460V 3PH R410A AIR HANDLER 45W69
1	EA	84244	TAA150S4D 12.5T 208/230V 3PH R410A AIR HANDLER 45W72
1	EA	84245	TAA150S4D 12.5T 460V 3PH R410A AIR HANDLER 45W73
1	EA	84246	TAA180S4D 15T 208/230V 3PH R410A AIR HANDLER 45W76
1	EA	84247	TAA180S4D 15T 460V 3PH R410A AIR HANDLER 45W77
1	EA	84248	TAA240S4D 20T 208/230V 3PH R410A AIR HANDLER 45W80
1	EA	84249	TAA240S4D 20T 460V 3PH R410A AIR HANDLER 45W81

Heat Kits for TAA 6 through 12.5 Ton Air Handlers

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 for TAA 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

ALLIED Commercial ZGB & ZGA Packaged Gas/Electric Rooftop Units 3 to 6 Tons



ZGB



ZGA

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

- Limited 10-year on aluminized heat exchanger.
- Limited 5-year warranty on compressor.
- Limited 3-years on the Eco-last™ coil system
- Limited one year on all other covered components.

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 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 ZGB Units

Prices Available Upon

Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	86480	ZGB036S4BY-P AE823 208/230V 1PH 3T 14 SEER 108KB BELT DR G/E PKG
1	EA	86481	ZGB048S4BX-P AE824 208/230V 1PH 4T 14 SEER 150KB BELT DR G/E PKG
1	EA	86482	ZGB060S4BY-P AE821 208/230V 1PH 5T 14 SEER 108KB BELT DR G/E PKG
1	EA	86483	ZGB060S4BX-P AE822 208/230V 1PH 5T 14 SEER 150KB BELT DR G/E PKG

13 Seer 3-Phase ZGA Units

1	EA	86426	ZGA036S4BM-Y V9638 208/230V 3PH 3T 108KB BELT DR GAS/ELEC PKG
1	EA	86427	ZGA036S4BM-G V9642 460V 3PH 3T 108KB BELT DR GAS/ELEC PKG
1	EA	86429	ZGA048S4BM-Y V9649 208/230V 3PH 4T 108KB BELT DR GAS/ELEC PKG
1	EA	86430	ZGA048S4BH-Y V9648 208/230V 3PH 4T 150KB BELT DR GAS/ELEC PKG
1	EA	86431	ZGA048S4BM-G L1898 460V 3PH 4T 108KB BELT DR GAS/ELEC PKG
1	EA	86434	ZGA060S4BM-Y V9661 208/230V 3PH 5T 108KB BELT DR GAS/ELEC PKG
1	EA	86435	ZGA060S4BU-Y V9662 208/230V 3PH 5T 108KB 2-STG BELT GAS/ELEC PKG
1	EA	86486	ZGA060S4BM-G L1897 460V 3PH 5T 108KB 1-STG BELT GAS/ELEC PKG
1	EA	86436	ZGA060S4BH-Y V9660 208/230V 3PH 5T 150KB 2-STG BELT GAS/ELEC PKG
1	EA	86437	ZGA060S4BH-G V9668 460V 3PH 5T 150KB 2-STG BELT GAS/ELEC PKG
1	EA	86484	ZGA072S4BH-Y AF068 208/230V 3PH 6T 150KB BELT DR GAS/ELEC PKG
1	EA	86485	ZGA072S4BH-G AF070 460V 3PH 6T 150KB BELT DR GAS/ELEC PKG

Continued on the Following Page

ZGB Cooling Specifications, 3 to 6 Tons

General Data		Nominal Tonnage	3 Ton	4 Ton	5 Ton
		Model No.	ZGB03654B	ZGB04854B	ZGB06054B
		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 x 2		
Electrical	1-Phase, 60 Hz.		208/230V		
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 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	65,000	108,000	75,600	150,000	105,000
BTUH	—	—	108,000	—	150,000
Output	52,000	84,600	60,480	120,000	84,000
BTUH	—	—	86,400	—	120,000
Temperature	1st stage	15–45	35–65	20–50	45–75
Rise	2nd Stage	—	—	35 - 65	—
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
BTUH	2nd Stage	-	-	108,000	-
Output	1st Stage	52,000	84,600	60,480	120,000
BTUH	2nd Stage	-	-	86,400	-
Temperature	1st stage	15-45	35-65	20-50	45-75
Rise	2nd Stage	-	-	35 - 65	-
AFUE ¹		80%	80%	80%	80%
Thermal Efficiency ²		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

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.



ZCA

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
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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.	ZCB03654B	ZCB04854B	ZCB06054B
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 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.

ZCA Cooling Specifications, 3 to 6 Tons, 13 SEER

General Data	Nominal Tonnage	3 Ton	4 Ton	5 Ton
	Model No.		ZCA036S4B	ZCA048S4B
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,	208/230V	208/230V
		460V & 575V	460V & 575V	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 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 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.

Continued on the Following Page

ZGA Cooling Specifications, 10 & 12.5 Ton

General Data	Nominal Tonnage	10 Ton	12.5Ton
	Model No.		ZGA12054B
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
	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

Continued on the Following Page

ZCA Cooling Specifications, 7.5 to 10 Tons

General Data	Nominal Tonnage	7.5 Ton	8.5 Ton	10 Ton
	Model No.		ZCA092S4B	ZCA102S4B
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
	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.



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 SERIES 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 ENTHALPHY CONTROL C1SNSR64FF1


K Series and Z Series Model Number Guide

K	G	A	060	S	4	B	S	1	Y
Brand/Family	Unit Type	Major Design Sequence	Nom. Cooling Capacity (Tons)	Cooling Efficiency	Refrigerant Type	Blower Type	Heating Type	Minor Design Sequence	Voltage
K = K Product Line	G = Packaged Gas Heat with Electric Cooling	A = 1st Gen.	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	S = Standard Efficiency	4 = R-410A	D = Direct Drive B = Belt Drive	S = Standard Gas Heat, 1-Stage M = Medium Gas Heat, 1-Stage H = High Gas Heat, 2-Stage N = No Heat	1 = 1st Rev. 2 = 2nd Rev. 3 = 3rd Rev.	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.
Z = Z Product Line	C = Packaged Electric Cooling with Optional Heat	B = 2nd Gen.							

ALLIED Commercial 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

	Nominal Tonnage	2 Ton	2.5 Ton	3 Ton	4 Ton	5 Ton
General Data	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)	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	Nominal motor HP	.25	.25	.5	.5	.75
Blower and Drive	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

	Nominal Tonnage	2 Ton	2.5 Ton	3 Ton	4 Ton	5 Ton
General Data	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	Nominal motor HP	.25	.25	.5	.5	.75
Blower and Drive	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)	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)	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	Nominal motor HP	1.5 hp, 2 hp	1 hp, 3 hp
Blower and Drive	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, enhanced 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	Multi-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 Coil²	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	208/230v	208/230v	208/230v	208/230v
		1 phase	1 phase	1 phase	1 phase	1 phase

¹Net 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.

²Expansion 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

¹Net 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

ALLIED Commercial 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, 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, 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			
Standard Indoor Blower and Drive	Expansion Device Type	Balanced Port TXV, removable power head			
	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.			

ALLIED Commercial 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, enhanced 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 to 12.5 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			

¹Net 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

ALLIED Commercial 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		15 Ton	17.5 Ton	20 Ton	25 Ton
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	
Wheel Nominal Diameter x Width (In.)		(2) 15x 15			
Filters		Type of Filter			
(No.) and Size In.		Fiberglass, Disposable			
Electrical Characteristics – 60 Hz		(6) 24 x 24 x 2			
		208/230V, 460V or 575V, 60 hz, 3 Phase			

NOTE:

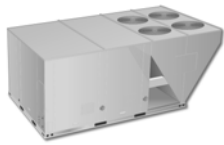
Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

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 Heating	Input Btuh	First Stage	169,000	234,000	312,000
		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.	

ALLIED Commercial 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, enhanced 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)	3 (571-721)	3 (571-721)	3 (571-721)
		4 (708-871)	4 (708-871)	4 (708-871)	4 (708-871)
				5 (788-988)	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)	3 (571-721)	6 (708-871)	6 (708-871)
		4 (708-871)	4 (708-871)	7 (788-988)	7 (788-988)
		5 (788-988)	5 (788-988)	8 (871-1071)	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)	6 (708-871)	7 (788-988)	7 (788-988)
		7 (788-988)	7 (788-988)	10 (871-1071)	10 (871-1071)
		8 (871-1071)	8 (871-1071)	11 (945-1138)	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

¹Net 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.

²Using 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	87846	10A62 605996-84 HEAT EXCHANGER 71W81	
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	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	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	64800	10W32 100432-01 3/8IN LIQUID SERVICE VALVE	
1	EA	64803	10W33 100432-02 3/4IN SERVICE VALVE	
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	84813	11A83 CR22K6E-PFV-875 COMPRESSOR	
1	EA	87110	11A90 CR38K6E PFV-875 COPE COMP	
1	EA	87111	11A94 CR24K6E-PFV-875 COPE COMP	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	87116	11K63 104052-02 20KAE-PFV-830 COPE COMPRESSOR	
1	EA	87161	11K69 104112-07 ZP29K6E-PFV-830 COPE COMPRESSOR	
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	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	
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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	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	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 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	
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	85135	14D50 612998-01 612998-02 HEAT EXCHANGER ASSEMBLY	
1	EA	85134	14D56 612998-07 610280-12 HEAT EXCHANGER ASSEMBLY	
1	EA	85242	14F83 104056-32 ZR57KCE-TF5-830 COMP COMPRESSOR	
1	EA	60050	14K10 BLOWER MOTOR	
1	EA	60051	14K12 3HP 3PH 200/230/460V BLOWER MOTOR	
1	EA	60052	14K14 BLOWER MOTOR	
1	EA	67530	14K58 AV178TT-043-A4 COMPRESSOR R38867B004	
1	EA	60053	14K60 5T Y TEC COMPRESSOR	
1	EA	60054	14K92 TEMPERATURE SENSOR	
1	EA	67458	14L33 R40154B008 WHITE LIMIT SWITCH	
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	
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 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	86605	16596 LB-29333BM WHEEL	
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 KIT	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	67801	21W96 T2481 R36604B001 FAN & LIMIT 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	67379	25M84 R42811-008 208/230V 3PH ZR57KC-TF5-130 COMPRESSOR	
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	84831	26M65 LB-97758 .086 GAS ORIFICE	
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	
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	67462	30M03 BLUE/WHITE LIMIT SWITCH R40154B014	
1	EA	63242	30W24 100060-21 FAN ASSEMBLY	
1	EA	61470	30W33 LB-90701C IGNITION CONTROL KIT	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	84832	32E01 102931-05 30KB 460V 3PH INTERLINK COMPRESSOR	
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	61315	32W40 100404-02 1PH ZR18K4-PFV-830 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	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	60893	36W90 44935 PINK LIMIT CONTROL R46105-007	
1	EA	63294	38113 P-8-7716 CONTACTOR	
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	
12	EA	95858	40005 1/2 IN HUB	
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	63481	R39514B001 41K35 GAS VALVE	
1	EA	60134	41L28 LB-66258 BLR WHEEL KEY	
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	
1	EA	87977	41W54 65915601 1/2HP 240V BLOWER MOTOR	
1	EA	61395	41W94 R101701-01 3T 1PH BRISTOL COMPRESSOR	
1	EA	61400	41W96 R101701-03 1PH BRISTOL COMPRESSOR	
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	86542	42J32 TRANSFORMER	
1	EA	84833	42E01 102931-06 30KB 208/203V 3PH INTERLINK 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	84835	44E01 102931-08 41.5KB 460V 3PH INTERLINK COMPRESSOR	
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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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 COMPRESSOR	
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	
1	EA	86544	47W64 210F LIMIT CONTROL	
1	EA	86643	47W86 100483-23 1/10 HP 208/203/60/1 FAN MOTOR	
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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	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	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	
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	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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	86828	65W63 100684-07 PRESSURE SWITCH	
1	EA	67721	66020 1IN P-5-84 BEARING BORE	
1	EA	60183	67K65 RELAY	
1	EA	84843	67W84 102931-01 4.5T G R410 460V INTERLINK COMPRESSOR	
1	EA	84844	67W85 102931-02 4.5T Y R410A 230V INTERLINK COMPRESSOR	
1	EA	84845	67W86 102931-03 4.5T J R410A 575V INTERLINK COMPRESSOR	
1	EA	86642	68J24 1/3HP 1PH 208/230V MOTOR	
1	EA	62833	68J37 CONTACTOR	
1	EA	60754	68J65 AV177ET-024-A4 4T 1PH COMP R38867B001	
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	
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	
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	87834	70W08 605731-03 HEAT EXCHANGER	
1	EA	87835	70W09 605731-04 HEAT EXCHANGER	
1	EA	87836	70W10 605731-05 HEAT EXCHANGER	
1	EA	87837	70W11 605731-06 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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	87841	71W73 605996-06 HEAT EXCHANGER	
1	EA	87842	71W74 605996-07 HEAT EXCHANGER	
1	EA	87843	71W75 605996-08 HEAT EXCHANGER	
1	EA	87844	71W79 605996-12 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	87159	73W20 102857-07 175F MAIN LIMIT CONTROL	
1	EA	86590	73W20 102857-07 175F 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	87847	74W57 605731-10 HEAT EXCHANGER	
1	EA	87848	74W58 605731-11 HEAT EXCHANGER	
1	EA	87849	74W59 605731-12 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	87158	75W15 102857-08 165F MAIN LIMIT CONTROL	
1	EA	86602	75W15 102857-08 165F LIMIT CONTROL	
1	EA	86649	75W26 605996-19 HEAT EXCHANGER	
1	EA	86670	98W30 605996-49 HEAT EXCHANGER ASSEMBLY	
1	EA	86671	98W31 605996-21 HEAT EXCHANGER 75W28	
1	EA	86672	75W30 605996-23 HEAT EXCHANGER	
1	EA	86673	75W31 605996-24 HEAT EXCHANGER	
1	EA	86674	75W32 605996-25 HEAT EXCHANGER	
1	EA	86844	75W33 605996-26 HEAT EXCHANGER	
1	EA	87989	75W34 605996-27 HEAT EXCHANGER	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87991	75W36 605996-29 HEAT EXCHANGER	
1	EA	87992	75W37 605996-30 HEAT EXCHANGER	
1	EA	87993	75W38 605996-31 HEAT EXCHANGER	
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	87852	77W25 605996-37 HEAT EXCHANGER	
1	EA	87853	77W26 605996-38 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	87869	77W35 102831-06 7/8 X 1-1/8 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	
10	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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	
1	EA	60271	83L75 LIMIT CONTROL	
1	EA	64124	83L78 LIMIT CONTROL	
1	EA	67464	83L91 R40154B016 PINK/WHITE LIMIT SWITCH	
1	EA	64972	83M00 10Y24 LB-109531A SURELIGHT REPLACEMENT KIT	
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 95G2	
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 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	63960	89M21 100052-03 1PH ZR26KA-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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	87160	90W63 101995-22 3T P R410A INTERLINK COMPRESSOR	
1	EA	87979	89W74 66703100 1/3HP 240V BLOWER MOTOR	
1	EA	87980	89W75 66722600 1/3HP 240V BLOWER MOTOR	
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	87952	90W68 2.5T ZR28K5-PFV-130 COMPRESSOR	
1	EA	84993	90W64 101995-23 3.5T R R410A INTERLINK COMPRESSOR	
1	EA	86836	90W69 2.5T P A ZR32K5-PFV-130 COMPRESSOR	
1	EA	87955	90W66 1.5T P A ZR16K5-PFV-130 COPE COMPRESSOR	
1	EA	87957	90W71 4T P A ZR48K5-PFV-130 COPE 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	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	60858	91W12 4T ZPS51K5E-830 COPE COMPRESSOR R100504-04 92M49	
1	EA	87960	92W51 100483-33 1/6HP 208-230/60/1 FAN MOTOR	
1	EA	87961	92W75 100483-34 1/4HP 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	86840	93W13 LB-94724AE BLOWER ASSEMBLY	
1	EA	84816	93W18 100052-10 2.5T Y ZR32KA-TF5-130 COMPRESSOR	
1	EA	84817	93W23 3.5T Y ZR42K5-TF5-130 COMPRESSOR	
1	EA	84818	93W25 4T Y ZR48K5-TF5-130 COMPRESSOR	
1	EA	84819	93W27 100052-10 4.5T Y ZR54K5-TF5-130 COMPRESSOR	
1	EA	86625	93W76 606569-04 PRESSURE SWITCH KIT	
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	60354	95M55 100438-01 1 POLE 25AMP SPST CONTACTOR	
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	84855	96M08 100531-01 175VA-600V 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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	60373	98M67 100121-06 208/230V 1PH ZR54K3-PFV-130 COMPRESSOR	
1	EA	60143	98M74 R02592A004 BLOWER WHEEL	
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	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	86855	98W40 605996-59 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	60662	R02704B002 AIR SHUTTER SLIDE	
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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	60652	R06311B001 SPARK IGNITION PILOT	
1	EA	84890	R06131B046 16.5 X 25 X .50 WASHABLE FILTER	
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 AMOTR580 MOTOR KIT	
1	EA	69068	R06428D381 3/4HP VARIABLE SPEED AMOTR581 MOTOR KIT	
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	85140	R100432-10 7/8 45 DEGREE SERVICE VALVE	
1	EA	85138	R100432-11 3/8 45 DEGREES SERVICE VALVE	
1	EA	85137	R100432-09 3/4 45 DEGREE 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	87943	R101432-14 .70 GREEN 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	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	85241	R104389-01 AH CONTROLLER BOARD	
1	EA	63168	R110000244 #2&3 SEQUENCER	
1	EA	63068	R20390172 CR38K6-PFV-230/130 COMPRESSOR R39594C005	
1	EA	65925	R21805U MOTOR	
1	EA	62077	R2184405U OIL PUMP	
1	EA	62240	R28947A002 PILOT BURNER ORIFICE	
1	EA	62231	R28947A003 ORIFIC PILOT BURNER	
1	EA	62233	R28947A006 ORIFIC PILOT	
1	EA	67799	R28947A008 NATURAL PILOT ORIFICE	
1	EA	67800	R28947A012 LP PILOT ORIFICE	
1	EA	60885	R30327B000 1/3 HP MOTOR	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	
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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61462	R39008C002 RK233ET-009A4 COMPRESSOR	
1	EA	63475	R39029B002 CENTER BLOWER CONTROL	
1	EA	61475	R39085B001 18" 3 BLADE FAN	
1	EA	61479	R39228B001 24IN FAN BLADE	
1	EA	87959	R39311C001 CR32K6-PFV-220 COMPRESSOR	
1	EA	63478	R39342B001 FLAME SENSOR	
1	EA	61560	R39358B001 PLASTIC TEE	
1	EA	63481	R39514B001 41K35 GAS VALVE	
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	
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	67510	R40344-082 51484U OIL BURNER ELECTRODE	
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	60815	R43602-001 INTERLOCK SWITCH	
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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	64807	R45608-101 PROGRAMMABLE G.E. MOTOR CONTROL	
1	EA	60008	R45688-001 ELECTRODE	
1	EA	61200	R45689-001 FLAME ROD	
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	62249	R45697-001 WHITE/RED 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	65826	R46132-002 1/2 HP VARIABLE SPEED MOTOR	
1	EA	64809	R46132-101 PROGRAMMABLE G.E. MOTOR CONTROL	
1	EA	64826	R46132-105 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	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	67805	R5780U ELECTRODE KIT R40344-094	
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	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	

Armstrong Air/AirEase Parts (Continued)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	60340	R76726700 SEQUENCER	
1	EA	62884	R76728000 9X6 BLOWER WHEEL	
1	EA	67820	R76729900 DOOR SWITCH	
1	EA	67829	R76733900 FAN BLOWER RELAY	
1	EA	67819	R76734700 TRANSFORMER	
1	EA	61639	R76700496 3/4 HP 240 V ECM MOTOR R76735900	
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 21IN 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	69885	RS39232D001 4MFD @370 VAC CAPACITOR	
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	



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	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	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	86911	84W24 607845-02 IGNITION KIT	
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	86247	91M02 100188-02 3.5-6T EXPANSION VALVE - R410A	
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	



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



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 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.)
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" ACCELERATOR 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 x 19-1/2	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" ACCELERATOR 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



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
4AC14L41P	208-230/60/1	197-253	22.6	35	16.7	79	1.7	1/4	825	161	210
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 33	1	EA	84329	4AC14L41 14 SEER 3.5T CONDENSER
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
25CU13LC136T	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
25CU13LC148T	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
25CU13LC160T	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	25CU13LC136T 3T 208/230V 3PH NITROGEN R22 CONDENSER 1.332041
37-3/4 x 29-3/8 x 31-1/4	1	EA	84065	25CU13LC148T 4T 208/230V 3PH NITROGEN R22 CONDENSER 1.332042
33-3/4 x 29-3/8 x 31-1/4	1	EA	84066	25CU13LC160T 5T 208/230V 3PH NITROGEN R22 CONDENSER 1.332043

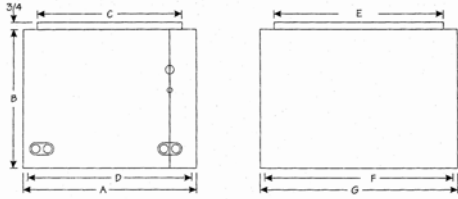
Accessories

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 & 25CU13	1	EA	61702	45F08 T6-1469 COMPRESSOR LOW AMBIENT CUT-OFF
All 13ACDL & 25CU13	1	EA	67388	24H77 LOW AMBIENT KIT F/SCU13
3/8" Tubing	1	EA	86920	93G35 FREEZE THERMOSTAT



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

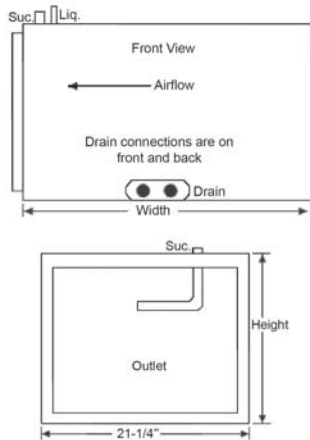
Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	84601	EC1P23AL-1 DUCANE CASED COIL
1	EA	84602	EC1P23BL-1 DUCANE CASED COIL
1	EA	84603	EC1P24AL-1 DUCANE CASED COIL
1	EA	84604	EC1P24BL-1 DUCANE CASED COIL
1	EA	84605	EC1P29AL-1 DUCANE CASED COIL
1	EA	84606	EC1P29BL-1 DUCANE CASED COIL
1	EA	84607	EC1P30AL-1 DUCANE CASED COIL
1	EA	84608	EC1P30BL-1 DUCANE CASED COIL
1	EA	84609	EC1P30CL-1 DUCANE CASED COIL
1	EA	84610	EC1P36AL-1 DUCANE CASED COIL
1	EA	84611	EC1P36BL-1 DUCANE CASED COIL
1	EA	84612	EC1P36CL-1 DUCANE CASED COIL
1	EA	84613	EC1P36DL-1 DUCANE CASED COIL
1	EA	84614	EC1P43BL-1 DUCANE CASED COIL
1	EA	84615	EC1P43CL-1 DUCANE CASED COIL
1	EA	84616	EC1P48BL-1 DUCANE CASED COIL
1	EA	84617	EC1P48CL-1 DUCANE CASED COIL
1	EA	84618	EC1P49CL-1 DUCANE CASED COIL
1	EA	84619	EC1P50CL-1 DUCANE CASED COIL
1	EA	84620	EC1P60DL-1 DUCANE CASED COIL
1	EA	84621	EC1P62CL-1 DUCANE CASED COIL
1	EA	84622	EC1P62DL-1 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		Return		Orifice Size	Weight (Lbs)
			C W (In.)	D H (In.)	E W (In.)	F H (In.)		
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
EH1P62CM-1	21	31-1/2	19-3/4	19-1/2	20-1/4	20	.093	63
EH1P62DM-1	24-1/2	31-1/2	23	19-3/4	23-1/2	20-1/4	.093	63

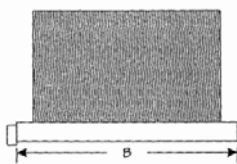
Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	67300	EH1P23AM-1 14-1/2IN HORIZONTAL COIL
1	EA	67382	EH1P23BM-1 17-1/2IN HORIZONTAL COIL
1	EA	67395	EH1P29AM-1 14-1/2IN HORIZONTAL COIL
1	EA	67403	EH1P29BM-1 17-1/2IN HORIZONTAL COIL
1	EA	67405	EH1P36BM-1 17-1/2IN HORIZONTAL COIL
1	EA	67411	EH1P36CM-1 21IN HORIZONTAL COIL
1	EA	67412	EH1P43BM-1 17-1/2IN HORIZONTAL COIL
1	EA	67413	EH1P43CM-1 21IN HORIZONTAL COIL
1	EA	67431	EH1P49CM-1 21IN HORIZONTAL COIL
1	EA	67441	EH1P49DM-1 24-1/2IN HORIZONTAL COIL
1	EA	67432	EH1P62CM-1 21IN HORIZONTAL COIL
1	EA	67438	EH1P62DM-1 24-1/2IN HORIZONTAL COIL

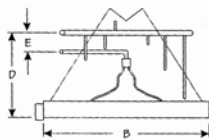
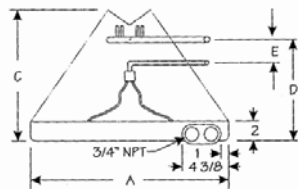


EU1P Uncased Coils

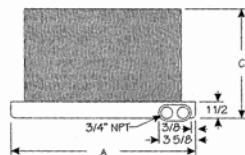
Upflow and Counterflow



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
EU1P50CN-1	20	19-1/2	26-3/4	23-1/3	5-1/2	.082	3/8	7/8	40
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

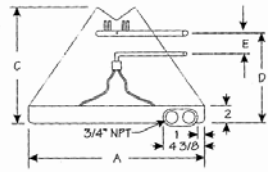
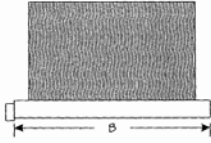
Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	60783	EU1P23AN-1 13IN UNCASSED COIL
1	EA	60467	EU1P24AN-1 13IN UNCASSED COIL
1	EA	60538	EU1P24BN-1 15-1/2IN UNCASSED COIL
1	EA	60825	EU1P29AN-1 13 IN UNCASSED COIL
1	EA	60468	EU1P30AN-1 13IN UNCASSED COIL
1	EA	60557	EU1P30BN-1 15-1/2IN UNCASSED COIL
1	EA	60579	EU1P30CN-1 20IN UNCASSED COIL
1	EA	60481	EU1P36AN-1 13IN UNCASSED COIL
1	EA	60483	EU1P36BN-1 15-1/2IN UNCASSED COIL
1	EA	60598	EU1P36CN-1 20IN UNCASSED COIL
1	EA	60828	EU1P43BN-1 15-1/2IN UNCASSED COIL
1	EA	60827	EU1P43CN-1 20IN UNCASSED COIL
1	EA	60490	EU1P48BN-1 15-1/2IN UNCASSED COIL
1	EA	60837	EU1P48CN-1 20IN UNCASSED COIL
1	EA	60841	EU1P49CN-1 20IN UNCASSED COIL
1	EA	60492	EU1P50CN-1 20IN UNCASSED COIL
1	EA	60843	EU1P60DN-1 23IN UNCASSED COIL
1	EA	60493	EU1P62CN-1 20IN UNCASSED COIL
1	EA	60518	EU1P62DN-1 23IN UNCASSED 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	HE31130A130A - EUL1P30AN 13WX19.5DX13H UNCASED COIL
1	EA	85091	HE31130A155A - EUL1P30B 15.5WX19.5DX13H UNCASED COIL
1	EA	85092	HE33136A155A - EUL1P36B 15.5WX19.5DX17H UNCASED COIL
1	EA	85093	HE33136A170A - EUL1P36Z 17WX19.5DX17H 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



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 Evap. Coil or Air Handler ¹	Cooling			Heating				CFM	Refrig. Connection		Refrig. Line Size ³	Indoor Expansion Valve	
		EER	AHRI Rated Cap. ²	Sens. Cap.	HSPF	47°		17°		Outdoor	Indoor			
						Btuh	COP	Btuh		COP	Suction			Suction
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
- Microban® antimicrobial built-in to drain pan
- 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.)		
BCS3M18	208-230/60/1	10	40 VA, Class 2	12 X 20	3/4	3/8	.053	104
BCS3M24	208-230/60/1	10	40 VA, Class 2	15 X 20	7/8	3/8	.057	122
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
BCS3M18	38	22	15	17	13	20-3/4	12-1/2
BCS3M24	40-1/2	22	18-1/2	17	16-1/2	20-3/4	16
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	84070	BCS3M18C00NA1P 1.5T MULTI-POSITION AIR HANDLER
1	EA	84071	BCS3M24C00NA1P 2T MULTI-POSITION AIR HANDLER
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 HEAT STRIP W/CIRCUIT BREAKER
All BCS3 Models	7.5	1	EA	84034	ECB25-7CB-P 7.5KW HEAT STRIP W/CIRCUIT BREAKER
All BCS3 Models	10	1	EA	84035	ECB25-10CB-P 10KW HEAT STRIP W/CIRCUIT BREAKER
BCS3 30, 36, 42, 48, 60	12.5	1	EA	84024	ECB25-12.5CB-P 12.5KW HEAT STRIP W/CIRCUIT BREAKER
BCS3 36, 42, 48, 60	15	1	EA	84036	ECB25-15CB-P 15KW HEAT STRIP W/CIRCUIT BREAKER
BCS3 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
BCS3 18	1	EA	84038	96W37 BCS3M18 AIR HANDLER DOWNFLOW CONVERSION KIT
BCS3 24, 30	1	EA	84039	96W38 BCS3M24-30 AIR HANDLER DOWNFLOW CONVERSION KIT
BCS3 36	1	EA	84022	97W95 BCS3M36 AIR HANDLER DOWNFLOW CONVERSION KIT
BCS3 42, 48, 60	1	EA	84023	97W96 BCS3M42-60 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 completed 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
BCS2 24, 36, 42, 48, 60	—	1	EA	61199	12W61 CB26 DOWNFLOW CONVERSION KIT
BCS2 24, 36, 42, 48, 60; EFC/V 08, 12	5	1	EA	69166	AEHBCC05CSA 5KW HEAT STRIP W/CIRCUIT BREAKER
BCS2 24, 36, 42, 48, 60; EFC/V 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 36, 42, 48, 60; EFC/V 12, 16, 20	15	1	EA	69107	AEHBCC15CSA-1 15KW HEAT STRIP W/CIRCUIT BREAKER
BCS2 48, 60; 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 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		
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 airflow 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



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 RESPACK ROOF CURB 11U78
PRHP1442, 48, 60	1	EA	84947	ACURB833-1 3.5-5 TON 14 SEER RESPACK 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 RESPACK FILTER RACK 11U73
PRHP1442, 48, 60	1	EA	84639	AFILT839 4-5 TON 14 SEER RESPACK 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

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	



DXGN6000 Portable Generator

6000 Watts



- Premium alternator provides low total harmonic distortion
- Large long run metal fuel tank with fuel gauge
- 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.

Specifications

- 240 Volts/60 Hz/1 Phase
- Power factor: 1
- Dimensions: 29" H x 25" W x 48" L

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

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.

Specifications

- 240 Volts/60 Hz/1 Phase
- Power factor: 1
- Dimensions: 29" H x 25" W x 48" L

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

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



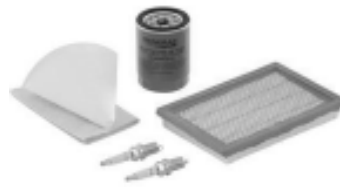
RTG12EZA1H



RTSG/H/M



6212



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.

6212 Cold Weather Kit

Recommended for generators installed in regions where the temperature regularly falls below 32° F. Contains an automatic, thermostatically controlled battery warmer pad and crankcase warmer applicable to all air-cooled products. When installing a cold weather kit, it is required that the oil is replaced with 5W-30 synthetic for better engine start capability.

- 240V
- Pad Warmer: 50 watts/.21 amps
- Crankcase Warmer: 40 watts/.17 amps

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	83518	RTSG200A3 200AMP 120/240V 1PH 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	83528	6212 COLD WEATHER 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	OJ5339 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		

FRIEDRICH ZoneAire® Portable Air Conditioners



- Ideal for supplemental and emergency cooling for homes, offices, workshops, garages, sunrooms and dorms.
- Fast cooling with dual hose exhaust
- Bucketless design features self-evaporative condensate system
- 24 hour timer with remote control
- 3 operational settings: cooling, dehumidify, and fan only

Model No.	BTU	EER	Net Weight (Lbs.)	Volts	Cooling Amps	Circuit Breaker Rating
P09B	9300	9.4	80	115	10.8	125V-15A
P12B	11600	8.8	86	115	11.5	125V-15A

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	86511	P09B 9000 BTU 115V PORTABLE A/C R-410A		
1	EA	86512	P12B 12000 BTU 115V PORTABLE A/C R-410A		

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 efficiency 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
5WK14, 18	1	EA	66524	99.0005.12 20FT HOSE KIT	
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	



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	
1	EA	63763	CA10E-81LA 10 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	
1	EA	63773	AV10-81HDMC 10 TON 460 VOLT 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	89213	AV10-51HDMC 10 TON 460V 3PH R-134A VERTICAL AIR HANDLER	
1	EA	89214	AV15-51HDMC 15 TON 460V 3PH R-134A VERTICAL AIR HANDLER	



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	

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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	90533	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 Parts

Fits the Following Units	Vendor	Comfort-Aire Part No.	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
—	—	8403B-0065A	1	EA	63934	8403B-0065A C17-9004-00 STAT	
—	—	8403C-0182A	1	EA	63935	8403C-0182A STAT	
—	—	8405C-0050A	1	EA	64175	8405C-0050A SWITCH	
WT-183HE	Tec	8000-599	1	EA	63899	AB5519G 230-1 8000-599 COMPRESSOR (8000-901)	
WO121, WR213	Tec	8000-400	1	EA	63990	AB5524F 230-1 8000-400 COMPRESSOR (8000-906)	
—	Tec	8000-444	1	EA	63924	AH5534E 230-3 8000-444 COMPRESSOR	


Packaged Terminal Air Conditioners


- 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 protection 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 refrigerant system

Model	PDE07K	PDE09K	PDE12K	PDE15K
Performance Data				
Cooling BTUH	7700/7600	9000/8800	12000/11800	15000/14600
Power (Watts)	640/620	800/770	1120/1120	1530/1510
EER	12.0/12.2	11.3/11.4	10.7/10.5	9.8/9.7
Dehumidification (Pints/Hr.)	1.7	2.2	2.7	3.2
Sensible Heat Ratio	0.84	0.81	0.67	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	5.1/5.3	6.7/7.5
Power Factor	0.97	0.99	0.99	0.99
Compressor LRA	19	17	27	32.6
Compressor RLA	2.8	3.7	5	6.6
Fan Motor Horsepower	0.024	0.029	0.031	0.031
Airflow Data				
Indoor CFM, High	345/315	360/345	360/350	385/375
Indoor CFM, Med.	320/290	330/305	330/310	360/330
Indoor CFM, Low	295/265	300/270	310/280	320/290
Vent CFM	75	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	16 x 42 x 13-3/4
Net Weight (Lbs.)	106	111	116	119
Shipping Weight (Lbs.)	126	131	136	139
R-410A Charge (Oz.)	23.63	33.51	35.27	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	86812	PDE12K3SF 12000 BTU 3KW 208/230V PTAC - R410A	
1	EA	86813	PDE15K5SF 15000 BTU 5KW 208/230V PTAC - R410A	

Accessories

1	EA	86819	PXGA OUTDOOR STD STAMP ALUM GRILLE	
10	EA	86820	PXDR10 COND DRAIN KIT	
1	EA	86818	PDXWS 16"H X 42"W X 13.75"D INSULATED WALL SLEEVE	

FRIEDRICH Packaged Terminal Heat Pumps



- 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 protection 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 refrigerant system

Model	PDH07K	PDH09K	PDH12K	PDH15K
Performance Data				
Cooling BTUH	7700/7600	9000/8800	12000/11800	14500/14200
Power (Watts)	640/620	800/770	1120/1120	1480/1460
EER	12.0/12.2	11.3/11.4	10.7/10.5	9.8/9.7
Reverse Heating BTUH	6300/6100	8100/7900	10700/10500	13300/13000
Power Heat (watts)	540/530	720/770	1010/990	1300/1270
COP	3.4/3.4	3.3/3.3	3.1/3.1	3.0/3.0
Dehumidification (Pints/Hr.)	1.7	2.2	2.7	3.2
Sensible Heat Ratio	0.84	0.81	0.67	0.65
Electrical Data				
Voltage /Hz/Ph	230/208/60/1			
Volt Range	253-187			
Current (Amps)	2.8/3.0	3.7/3.9	5.1/5.3	6.7/7.5
Reverse Heat (Amps)	2.4/2.5	3.4/3.8	4.5/4.7	5.8/6.2
Power Factor	0.97	0.99	0.99	0.98
Compressor LRA	19	18.5	27	36
Compressor RLA	2.8	3.6	5	6.5
Fan Motor Horsepower	0.024	0.029	0.031	0.031
Airflow Data				
Indoor CFM, High	345/315	360/345	360/350	420/390
Indoor CFM, Med.	320/290	330/305	330/310	410/380
Indoor CFM, Low	295/265	300/270	310/280	380/350
Vent CFM	30	30	30	30
Physical Data				
Dimensions H x W x D (In.)	16 x 42 x 13-1/2	16 x 42 x 13-1/2	16 x 42 x 13-1/2	16 x 42 x 13-1/2
Net Weight (Lbs.)	108	113	118	121
Shipping Weight (Lbs.)	128	133	138	141
R-410A Charge (Oz.)	23.63	33.51	35.27	39.86

Heat Pumps

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	86814	PDH07K3SF 7700 BTU 3KW 208/230V PTAC HEAT PUMP - R410A	
1	EA	86815	PDH09K3SF 9000 BTU 3KW 208/230V PTAC HEAT PUMP - R410A	
1	EA	86816	PDH12K3SF 12000 BTU 3KW 208/230V PTAC HEAT PUMP - R410A	
1	EA	86817	PDH15K5SF 15000 BTU 5KW 208/230V PTAC HEAT PUMP - R410A	

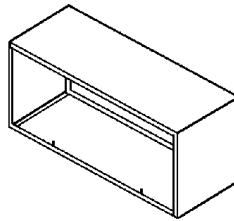
Accessories

1	EA	86819	PXGA OUTDOOR STD STAMP ALUM GRILLE	
10	EA	86820	PXDR10 COND DRAIN KIT	
1	EA	86818	PDXWS 16"H X 42"W X 13.75"D INSULATED WALL SLEEVE	

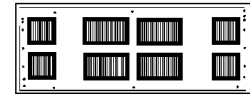
Amana. Packaged Terminal Air Conditioners



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	PTC073E35A XXXX 7600 BTU 208/230V 3.5KW PTAC - R410A	
1	EA	83501	PTC093E35A XXXX 8700 BTU 208/230V 3.5KW PTAC - R410A	
1	EA	83502	PTC123E35A XXXX 11500 BTU 208/230V 3.5KW PTAC - R410A	
1	EA	83503	PTC153E35A XXXX 14000 BTU 208/230V 3.5KW PTAC - R410A	
1	EA	83504	PTC153E50A XXXX 14000 BTU 208/230V 5 KW PTAC - R410A	

Accessories and Service Parts

1	EA	67175	WS900E 42"X16" INSUL WALL SLEEVE (D)	
1	EA	67176	SGK01B STD STAMP ALUM OUTDOOR GRILLE	
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	67802	RSKP0009 CONTROL BOARD FOR AMANA PTAC WAS -008	
1	EA	67803	PWHK01B UNIVERSAL PTAC WIRING HARNESS KIT	

NOTE: Also available in Heat Pumps and 265V Models.

Amana. 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 Efficiencies

- 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	
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Aprilaire® 1700 Series Whole-House Dehumidifiers



The Aprilaire 1700 Series whole-house dehumidifiers remove 50% more water per kilowatt hour than leading portable dehumidifiers and they feature a truly automatic control.

- Provide three times the moisture removing capacity of leading portable dehumidifiers—up to 150 pints or 18.75 gallons per day.
- Automatically sense moisture levels and maintain optimum humidity levels in the home and run only when needed.
- Switch automatically between whole-house dehumidification when the central air-conditioning system is running, and localized dehumidification when the air-conditioning isn't running.
- Convertible from whole-home to localized application to solves excess moisture issues where needed, including most crawl spaces, attics, and basements.
- Can be operated manually to monitor and control moisture levels in specific locations.

Dehumidifiers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
4	EA	70051	1770A 135 PINTS/DAY DEHUMIDIFIER	

Accessories

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

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



1850F



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 DEHUMIDIFIER	

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



DH Series Features

- Stand alone or incorporate with furnace
- For crawl space, attic, or basement
- Inlet Air Operating Condition: 50–90° F
- Condensate Drain: 3/4" NPT
- Duct Connections: 8" diameter
- Plastic drain pan
- Power Supply: 110–120VAC, 6.7 FL amps, 60Hz., grounded
- Warranty: 5 year compressor, 1 year parts
- Energy Star rated

DH70

- Capacity: 70 pints per day
- 280 CFM without external ducting
- Dimensions: 13" H x 13" W x 27-1/4" L
- Weight: 65 lbs.
- Fan Motor: 90 Watts
- Duct Connections: 8" diameter

DH95

- Capacity: 95 pints per day
- 375 CFM without external ducting
- Dimensions: 14.5" H x 14.5" W x 29.5" L
- Weight: 73 lbs.
- Fan Motor: 115 Watts
- Duct Connections: 10" diameter

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	45726	DH70 5133 70 PTS PER DAY WHOLE HOUSE DEHUMIDIFIER	
1	EA	45727	DH95 5134 95 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 Portable Dehumidifiers



- Top mount, digital touch controls
- Displays room temp and humidity %
- Automatic defrost cycle
- Continuous drainage operation with direct drain or with internal drain pump (50 and 70 pint models)
- Will operate down to 41° F and up to 95° F (25 pint operates up to 90° F)
- High efficiency Energy Star® models
- Built-in drain pump (50 and 70 pint models)
- Humidity setpoint from 30% to 90% RH
- °F/°C indicator
- Removable condensate bucket for stand alone operation with built-in float switch
- Washable, slide-out filter
- Built-in casters for easy mobility when moving from room to room
- Dual fan speed
- Convenient carrying handle on the bucket
- Plugs into standard 115V outlet
- Energy Star rated

Capacity Pints/Hour	Dimensions	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
25	21 x 13 x 6-1/4	1	EA	86513	D25D 25 PINT 410A PORTABLE DEHUMIDIFIER		
50	23-1/8 x 14-1/2 x 11-3/4	1	EA	86514	D50D 50 PINT 410A PORTABLE DEHUMIDIFIER		
70	23-1/8 x 14-1/2 x 11-3/4	1	EA	86515	D70D 70 PINT 410A PORTABLE DEHUMIDIFIER		

EMI WHP Repair Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	69060	550-1201 115V WHP CONDENSATE PUMP KIT	
1	EA	69212	102-021 WHP 9/12 230 V MOTOR	
1	EA	69213	102-045 WHP 15-36 230V MOTOR	
1	EA	69214	240-2968 WHP REV B & C RELAY BOARD	
1	EA	69216	240-3181 WHP REV C KEY PAD	
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	

EMI 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	62015	CHP12D301AA0A0A 18,000 BTU CEILING AIR HANDLER - 5KW HT, WALL T-STAT	
1	EA	62019	550001222 CHP SERIES - CONDENSATE PUMP FIELD INSTALLED 208/230V	
1	EA	62020	550000339 CHP SERIES TRIM KIT FOR 12,000-24,000 BTU MODELS	

EMI 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.
- Easy access connections for refrigerant gauges.
- Application flexibility with 100 ft. of interconnected refrigerant piping, supporting 35 ft. of lift.
- Corrosion resistant, powder-coated steel cabinet with coil protection.
- Factory installed Duratec Performance Package (09-12 only) for added compressor protection.
- Two circuit machines have fully independent circuits with compressors on each circuit.
- Warranty: 1-year parts, 5-year compressor.

NOTE: S1H Single Zone Heat Pump (9,000-24,000 BTU/H) models also available. Call for information.

Single Zone

Model	Cooling (Nom. BTU/H)	Heat Pump Capacity	Dimensions (In.)		
			L	H	D
S1C/S1H9	9,000	8,200	24	36	15
S1C/S1H2	12,000	10,200	24	36	15
S1C/S1H8	18,000	16,400	32	36	15
S1C/S1H4	24,000	20,600	32	40	15
S1C3	30,000	N/A	38	44	15
S1C6	36,000	N/A	38	48	15

Two Zone

Model	Cooling (Nom. BTU/H)	Dimensions (In.)		
		L	H	D
S2C9 9	18,000	32	36	15
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	62021	S1CA9000D00 9,000 BTU SINGLE ZONE STRAIGHT CL CONDENSER 208/230V	
1	EA	62028	S1CA2000D00 12,000 BTU SINGLE ZONE STRAIGHT CL CONDENSER 208/230V	
1	EA	62029	S1CA8000D00 18,000 BTU SINGLE ZONE STRAIGHT CL CONDENSER 208/230V	
1	EA	62030	S1CA4000D00 24,000 BTU SINGLE ZONE STRAIGHT CL CONDENSER 208/230V	
1	EA	62031	S1CA3000D00 30,000 BTU SINGLE ZONE STRAIGHT CL CONDENSER 208/230V	
1	EA	62032	S1CA6000D00 36,000 BTU SINGLE ZONE STRAIGHT CL CONDENSER 208/230V	

S1C Optional Components

1	EA	62033	550001262 S1C SERIES LOW AMBIENT KIT FOR 9,000-12,000 BTU SYSTEMS	
1	EA	62034	550001263 S1C SERIES LOW AMBIENT KIT FOR 18,000-36,000 BTU SYSTEMS	

S2C Condensers

1	EA	62035	S2SA9900D00 2-ZONE STRAIGHT COOL CONDENSERS (2) 9,000 BTU CONN.	
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.	

S2C Optional Component

1	EA	62038	550001262 S2C SERIES LOW AMBIENT KIT FOR 9,000-12,000 BTU SYSTEMS	
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CYCLEMASTER Flare Ball Valve

Insulation Covers Included

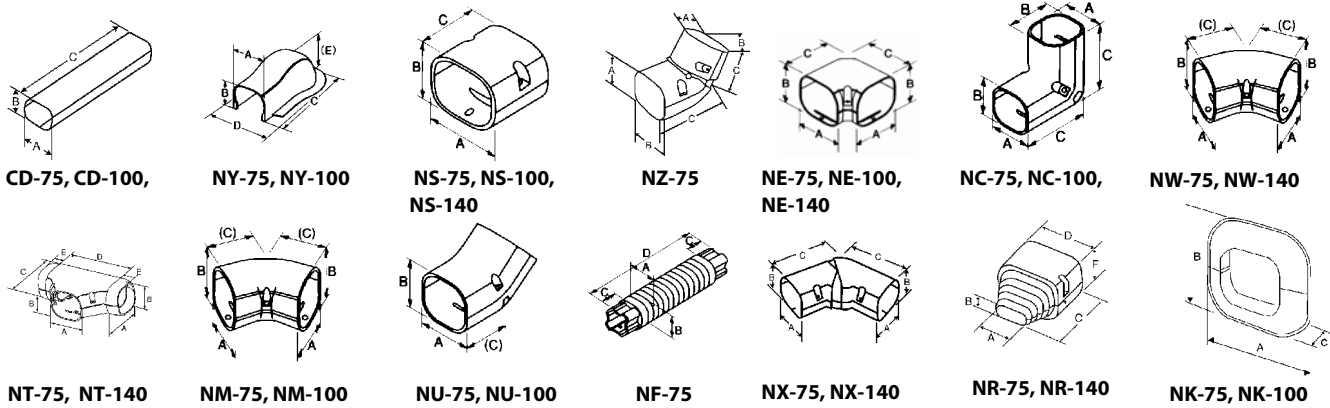


CYCLEMASTER flare ball valves feature full port construction, environmentally friendly, chromium-plated balls for reduced wear and extended seal life, and our exclusive MCM seals for industry-leading longevity and low leak rates. The insulations covers eliminate time and hassle associated with cutting 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 Lineset Cover System
 HVAC Advanced Products Division



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	



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	



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	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		



MUZ/MSZ Ductless Split System Heat Pumps

Single-Zone, Wall-Mounted, Heating & Cooling



Indoor Unit



Outdoor Unit

- 14.5–21 SEER, 8.2–10 HSPF
- Wide vane for wider angle of airflow: 150° left to right on GE24/D30/D36 models
- Inverter-driven compressor
- 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-GE09NA	MUZ-GE12NA	MUZ-GE15NA	MUZ-GE18NA	MUZ-GE24NA	MUZ-D30NA	MUZ-D36NA
Power Supply	V/Ph/Hz	208-230/1/60							
MCA	A	12	12	12	14	17	21	21	
Rated Capacity	Cooling	Btu/h	9,000	12,000	17,200	17,200	22,000	30,700	33,200
	Heating at 47° F		10,900	14,400	18,000	21,600	23,200	32,600	35,200
	Heating at 17° F		6,600	8,800	11,300	13,400	16,000	19,500	21,800
Energy Efficiency	SEER		21	20.5	21	19.2	19	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	50	50	50	50	50
	Max. Length	Ft.	65	65	100	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	13	13	13	13	13
	H	In.	21-5/8	21-5/8	33-7/16	33-7/16	34-5/8	33-7/16	33-7/16
Weight	Lbs.	66	77	80	119	119	141	141	

Outdoor Unit			MUZ-GE09NA	MUZ-GE12NA	MUZ-GE15NA	MUZ-GE18NA	MUZ-GE24NA	MUZ-D30NA	MUZ-D36NA
Power Supply	V/Ph/Hz	208-230/1/60							
MCA	A	12	12	12	14	17	21	21	
Rated Capacity	Cooling	Btu/h	9,000	12,000	17,200	17,200	22,000	30,700	33,200
	Heating at 47° F		10,900	14,400	18,000	21,600	23,200	32,600	35,200
	Heating at 17° F		6,600	8,800	11,300	13,400	16,000	19,500	21,800
Energy Efficiency	SEER		21	20.5	21	19.2	19	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	50	50	50	50	50
	Max. Length	Ft.	65	65	100	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	13	13	13	13	13
	H	In.	21-5/8	21-5/8	33-7/16	33-7/16	34-5/8	33-7/16	33-7/16
Weight	Lbs.	66	77	80	119	119	141	141	

9,000 BTU

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89029	MSZ-GE09NA-8 9,000 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	89030	MUZ-GE09NA2 9,000 HEAT PUMP M-SERIES OUTDOOR		

12,000 BTU

1	EA	89031	MSZ-GE12NA-8 12,000 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	89032	MUZ-GE12NA2 12,000 HEAT PUMP M-SERIES OUTDOOR		

15,000 BTU

1	EA	89033	MSZ-GE15NA-8 15,000 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	89034	MUZ-GE15NA2 15,000 HEAT PUMP M-SERIES OUTDOOR		

18,000 BTU

1	EA	89035	MSZ-GE18NA-8 17,200 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	89036	MUZ-GE18NA-1 17,200 HEAT PUMP M-SERIES OUTDOOR		

24,000 BTU

1	EA	89135	MSZ-GE24NA 22,500 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	89136	MUZ-GE24NA 22,500 HEAT PUMP M-SERIES OUTDOOR		

30,000 BTU

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		



MUZ/MSZ-FH Ductless Split System Heat Pumps

Single-Zone, High-Efficiency, Wall-Mounted, Heating & Cooling



Outdoor Unit



Indoor Unit

- 22 to 30.5 SEER, 12 to 13.5 HSPF
- Inverter-driven compressor
- 100% heating cap. at 0° F outdoor ambient
- H2i hyper-heating performance down to -13° F outdoor ambient
- Double-vane air delivery for enhanced circulation
- Option to set each vane separately
- 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 phonecontrol capabilities
- Triple action filtration

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-FH09NA	MUZ-FH12NA	MUZ-FH15NA	MUZ-FH18NA
Power Supply	V/Ph/Hz	208-230/1/60				
MCA	A		11	11	16	16
Rated Capacity	Cooling	BTU/h	9,000	12,000	15,000	17,000
	Heating at 47° F	BTU/h	10,900	13,600	18,000	20,300
	Heating at 17° F	BTU/h	6,700	8,000	11,000	13,700
Energy Efficiency	SEER		30.5	26.1	22.0	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 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	83	124	124

Indoor Unit			MSZ-FH09NA	MSZ-FH12NA	MSZ-FH15NA	MSZ-FH18NA
Power Supply	V/Ph/Hz	208-230/1/60				
MCA	A		1	1	1	1
Weight	Lbs.		29	29	29	29
Sound (Cooling) Lo/Med/Hi/Super Hi/Powerful	dB(A)		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	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		0.6	1.9	4.0	5.1
Dimensions	W	In.	36-7/6	36-7/6	36-7/6	36-7/6
	D	In.	9-3/16	9-3/16	9-3/16	9-3/16
	H	In.	12 (+11/16)	12 (+11/16)	12 (+11/16)	12 (+11/16)
Weight	Lbs.		29	29	29	2

9,000 BTU

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
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	89301	MUZ-FH12NA 12,000 H2I HYPER-HEAT H/P OUTDOOR UNIT		

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	89342	MSZ-FH18NA 18,000 H2I HYPER-HEAT H/P INDOOR UNIT		
1	EA	89343	MUZ-FH18NA 18,000 H2I HYPER-HEAT H/P OUTDOOR UNIT		



MUZ/MSZ-HE Ductless Split System Heat Pumps

Single-Zone, Economy, Wall Mounted, Heating & Cooling



Outdoor Unit

- 18 SEER, 85 HSPF
- Inverter-driven compressor
- Linear Expansion Valves (LEV)
- Entry-level unit for bedrooms, home offices, living rooms, dining rooms, etc.



Indoor 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		MUZ-HE09NA	MUZ-HE12NA	MUZ-HE15NA	MUZ-HE18NA	MUZ-HE24NA	
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	12	14	17.1	
Rated Cap.	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	26,600
Energy Efficiency	SEER	18	18	18	18	18	
Pipe Dimensions	Liquid OD	In.	1/4	1/4	1/4	3/8	
	Gas OD	In.	3/8	3/8	3/8	1/2	
	Max. Ht. Diff.	Ft.	40	40	40	50	
	Max. Length	Ft.	65	65	65	100	
Compressor	Model (Type)	DC Inverter-Driven Twin Rotary					
Dimensions	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	33-7/16	34-5/8
Weight	Lbs.	66	77	80	119	119	

Indoor Unit		MSZ-HE09NA	MSZ-HE12NA	MSZ-HE15NA	MSZ-HE18NA	MSZ-HE24NA	
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)	dB(A)	22/30/37/43	22/30/37/45	32/38/44/49	33/38/44/49	34/41/45/49	
Lo/Med/Hi/Super Hi/Powerful							
Sound (Heating)	dB(A)	22/30/37/43	22/30/37/43	30/35/40/46	33/38/44/49	34/41/45/49	
Lo/Med/Hi/Super Hi/Powerful							
Airflow (Cooling) Lo/Med/Hi/Super Hi/Powerful	Dry	CFM	170/237/321/399	170/237/321/399	272/335/420/533	275/339/420/533	388/469/544/628
	Wet	CFM	134/201/286/364	134/201/286/364	237/300/385/498	240/304/385/498	347/420/508/562
Airflow (Heating) Lo/Med/Hi/ Super Hi/Powerful	Dry	CFM	170/237/321/399	170/237/321/399	247/304/367/463	275/339/431/512	388/469/544/628
Moisture Removal	Pints/Hr	1.5	2.5	2.7	4.6	5.1	
Dimensions	W	In.	31-7/16	31-7/16	31-7/16	31-7/16	43-5/8
	D	In.	9-1/8	9-1/8	9-1/8	9-1/8	9-3/8
	H	In.	11-5/8	11-5/8	11-5/8	11-5/8	12-13/16
Weight	Lbs.	22	22	22	22	37	

9,000 BTU

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89288	MSZ-HE09NA 9,000 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	89289	MUZ-HE09NA 9,000 HEAT PUMP M-SERIES OUTDOOR		

12,000 BTU

1	EA	89290	MSZ-HE12NA 12,000 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	89291	MUZ-HE12NA 12,000 HEAT PUMP M-SERIES OUTDOOR		

15,000 BTU

1	EA	89292	MSZ-HE15NA 14,000 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	89293	MUZ-HE15NA 14,000 HEAT PUMP M-SERIES OUTDOOR		

18,000 BTU

1	EA	89294	MSZ-HE18NA 17,200 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	89295	MUZ-HE18NA 17,200 HEAT PUMP M-SERIES OUTDOOR		

24,000 BTU

1	EA	89296	MSZ-HE24NA 22,500 HEAT PUMP M-SERIES INDOOR WALL		
1	EA	89297	MUZ-HE24NA 22,500 HEAT PUMP M-SERIES OUTDOOR		



MXZ Ductless/Ducted Split System Heat Pumps

Multi-Zone, Heating & Cooling



- 8.7 to 19.7 SEER, 9.1 to 11.4 HSPF
- Inverter-driven compressor
- Heat and cool 2 to 8 zones with one outdoor unit
- Built-in base pan heaters prevent ice build-up
- Advanced LEV controls allow installations with longer line lengths and increased vertical separations

Compatible with the Following Indoor Units

- MSZ-FH09, 12, 15NA
- MSZ-GE09, 12, 15, 18, 24NA
- SEZ-KD09, 12, 15, 18NA
- MFZ-KA09, 12, 18NA
- SLZ-KA09, 12, 15NA
- MVZ-A12, 18, 24, 30, 36

Branch Box Specifications

Model Name		PAC-MKA30BC	PAC-MKA50BC
Connectible No. of Indoor Units		3	5
Power Supply		208-230/60/1	
Power Input		W	3
Current		A	0.05
External Finish		Galvanized Sheets	
Dimensions	W	In	17-23/32
	D	In	11-1/32
	H	In	6-11/16
Net Weight		Lbs	15
Refrigerant Pipe	Outdoor Unit to Branch Box	Gas (In)	5/8
		Liquid (In)	3/8
Dimensions	Branch Box to Indoor Units	Gas (In)	A,B,C: 3/8
		Liquid (In)	A,B,C: 1/4

MXZ-C Specifications

Model			MXZ-3C24NA	MXZ-3C30NA	MXZ-4C36NA	MXZ-5C42NA	MXZ-8C48NA
Connection Method			Ductless/Ducted				
Cooling	Rated Capacity	Btu/h	22,000 / 23,600	28,400 / 27,400	35,400 / 34,400	40,500 / 37,400	48,000 / 48,000
	Capacity 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
	Total Input	W	1,620 / 2,100	2,680 / 2,860	3,760 / 3,940	4,403 / 4,112	4,000 / 5,050
Efficiency	Cooling	SEER	13.6 / 11.2	10.6 / 9.6	9.4 / 8.7	19.7 / 15.2	18.9 / 14.7
	Heating	HSPF	9.8 / 9.2	10.6 / 9.6	11.0 / 9.8	10.3 / 9.1	11.4 / 10.1
Heating at 47° F	Rated Capacity	Btu/h	25,000 / 24,600	28,600 / 27,600	36,000 / 34,400	45,000 / 41,000	54,000 / 54,000
	Capacity 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
	Total Input	W	1,750 / 1,900	2,150 / 2,220	3,020 / 3,100	3,575 / 3,463	4,220 / 4,990
Heating at 17° F	Rated Capacity	Btu/h	14,000 / 14,000	16,000 / 15,100	22,200 / 20,300	24,400 / 23,000	36,600 / 36,600
	Capacity Range	W	2,120 / 2,230	2,120 / 2,140	3,340 / 3,450	2,943 / 2,869	3,720 / 4,420
Electrical Requirements	Power Supply		208 / 230 Volts, 1-Phase, 60 Hz				
	Fuse Breaker	A	25	25	25	40	40
	MCA	A	22.1	22.1	22.1	31.9	37
Voltage	S1-S2	V	208 / 230	AC 208 / 230	AC 208 / 230	AC 208 / 230	AC 208 / 230
Indoor-Outdoor	S2-S3	V	DC ±24	DC ±24	DC ±24	DC ±24	DC ±24
Compressor			DC Inverter-Driven Twin Rotary				
Fan Motor (ECM)		F.L.A.	1.9	1.9	1.9	1.9	0.4+0.4
Sound Pressure Level	Cooling	dB(A)	51	52	54	56	51
	Heating	dB(A)	55	56	56	58	54
External Dimensions	W	In.	37-13/32	37-13/32	37-13/32	37-13/32	41-11/32
	D	In.	13	13	13	13	13
	H	In.	31-11/32	31-11/32	31-11/32	41-9/32	52-11/16
Net Weight		Lbs.	135	137	189		269
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
	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
Max. Refrigerant Line Length		Ft.	230	230	230	262	492
Max. Piping Length/Indoor Unit		Ft.	82	82	82	82	262
Max. Refrig. Pipe	IDU > ODU	Ft.	49	49	49	49	131
Height Difference	IDU < ODU	Ft.	49	49	49	49	164
Connection Method			Flared/Flared				
Refrigerant			R-410A				

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Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89076	MXZ-2B20NA-1 20,000 2 ZONE MULTI OUTDOOR UNIT		
1	EA	89307	MXZ-3C24NA 24,000 3 ZONE MULTI OUTDOOR UNIT		
1	EA	89306	MXZ-3C30NA 30,000 3 ZONE MULTI OUTDOOR UNIT		
1	EA	89344	MXZ-4C36NA 36,000 4 ZONE MULTI OUTDOOR UNIT		
1	EA	89305	MXZ-5C42NA 42,000 5 ZONE MULTI OUTDOOR UNIT		
1	EA	89345	MXZ-8C48NA 48,000 8 ZONE MULTI OUTDOOR UNIT		

MXZ-C Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88990	PAC-MKA30BC 3 PORT BRANCH BOX FOR MXZ-C MODELS	
1	EA	88991	PAC-MKA50BC 5 PORT BRANCH BOX FOR MXZ-C MODELS	
1	EA	89354	PAC-SJ20BH-E BASE HEATER MXZ-8C48	
1	EA	89355	PAC-645BH-E BASE HEATER	



H2i MXZ Ductless/Ducted Split System Heat Pumps

Multi-Zone, High-Efficiency, Heating & Cooling



- 14.7 to 19.1 SEER, 9.0 to 11.3 HSPF
- Inverter-driven compressor
- 100% heating capacity at 5°F outdoor ambient
- H2i hyper-heating performance down to -13°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



Compatible with the Following Indoor Units

- MSZ-FH09, 12, 15NA
- MSZ-GE09, 12, 15, 18, 24NA
- SEZ-KD09, 12, 15, 18NA
- MFZ-KA09, 12, 18NA
- SLZ-KA09, 12, 15NA
- MVZ-A12, 18, 24, 30, 36

Branch Box Specifications

Model Name		PAC-MKA30BC	PAC-MKA50BC
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
	D	In	11-1/32
	H	In	6-11/16
Net Weight		Lbs.	15
Refrigerant Pipe Dimensions	Outdoor Unit to Branch Box	Gas (In)	5/8
	Branch Box to Indoor Units	Liquid (In)	5/8
Refrigerant Pipe Dimensions	Branch Box to Indoor Units	Gas (In)	A,B,C: 3/8
	Branch Box to Indoor Units	Liquid (In)	A,B,C: 1/4

Model		MXZ-2C20NAHZ	MXZ-3C24NAHZ	MXZ-3C30NAHZ	MXZ-4C36NAHZ*	MXZ-5C42NAHZ*	MXZ-8C48NAHZ*
Connection Method		Ductless/Ducted					
Cooling	Rated Cap.	Btu/h	18,000/20,000	22,000/23,600	28,400/27,400	36,000/36,000	42,000/42,000
	Cap. Range	Btu/h	6,000-20,000	6,000-23,600	6,000-28,400	6,000-36,000	6,000-42,000
	Total Input	W	1,334/1,819	1,630/2,360	2,272/2,661	2,570/3,180	3,130/3,890
Heating at 47° F	Rated Cap.	Btu/h	22,000/22,000	25,000/24,600	28,600/27,600	45,000/45,000	48,000/48,000
	Cap. Range	Btu/h	7,400-25,500	7,200-30,600	7,200-36,000	7,200-45,000	7,200-48,000
	Total Input	W	1,612/1,748	1,725/1,871	2,096/2,187	3,340/4,250	3,430/4,350
Heating at 17° F	Rated Cap.	Btu/h	13,700/13,700	14,000/14,000	18,000/16,500	34,000/36,000	35,800/36,600
	Max. Cap.	Btu/h	22,000/22,000	25,000/24,600	28,600/27,600	48,000/45,000	48,000/48,000
	Total Input	W	1,450/1,588	1,622/1,635	1,991/1,993	3,500/4,590	3,650/4,290
Heating at 5° F Efficiency	Max. Cap.	Btu/h	22,000	25,000	28,600	45,000	48,000
	SEER		17.0/15.0	19.0/15.5	18.0/16.0	19.1/15.8	19.0/15.0
	EER		13.5/11.0	13.5/10.0	12.5/10.3	14/11.3	13.4/10.8
	HSPF		9.8/9.5	10.0/9.0	11.0/9.8	11.3/10.1	11.0/10.1
Electrical Requirements	Power Supply	208/230V, 1-Phase, 60 Hz					
	Fuse/Breaker	A	40	40	40	50	50
	MCA	A	29	30	30	42	42
Voltage Indoor-Outdoor	S1-S2	V	AC 208/230	AC 208/230	AC 208/230	AC 208/230	AC 208/230
	S2-S3	V	DC ± 24	DC ± 24	DC ± 24	DC ± 24	DC ± 24
Compressor		DC INVERTER-driven Twin Rotary				Hermetic	
Fan Motor (ECM)	FLA	1.9	1.9	1.9	0.4 + 0.4	0.4 + 0.4	0.4 + 0.4
Sound Pressure Level	Cooling	dB(A)	54	54	54	49	50
	Heating	dB(A)	58	58	58	53	54
External Dimensions (HxWxD)	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
	Gas	In.	A,B: 3/8	A: 1/2; B,C: 3/8		5/8	5/8
Max. Piping Length Indoor Unit	Ft.	164	230	230	492	492	492
Max. Refrigerant Line Length		82	82	82	262	262	262
Max. Refrig. Pipe Height Difference	IDU > ODU	Ft.	49	49	49	131	131
	IDU < ODU	Ft.	49	49	49	164	164
Connection Method		Flared/Flared	Flared/Flared	Flared/Flared	Flared/Flared	Flared/Flared	Flared/Flared
Refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A

* Models MXZ-4C36NAHZ, MXZ-5C42NAHZ and MXZ-8C48NAHZ require branch box for operation.

Continued on the Following Page

*Continued from the Previous Page***Outdoor Units**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88984	MXZ-2C20NAHZ 20,000 H2I 2 ZONE MULTI OUTDOOR UNIT HYPER HEAT		
1	EA	88985	MXZ-3C24NAHZ 24,000 H2I 3 ZONE MULTI OUTDOOR UNIT HYPER HEAT		
1	EA	88986	MXZ-3C30NAHZ 30,000 H2I 3 ZONE MULTI OUTDOOR UNIT HYPER HEAT		
1	EA	88987	MXZ-4C36NAHZ 36,000 H2I 4 ZONE MULTI OUTDOOR UNIT HYPER HEAT		
1	EA	88988	MXZ-5C42NAHZ 42,000 H2I 5 ZONE MULTI OUTDOOR UNIT HYPER HEAT		
1	EA	88989	MXZ-8C48NAHZ 48,000 H2I 8 ZONE MULTI OUTDOOR UNIT HYPER HEAT		

MXZ-C Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88990	PAC-MKA30BC 3 PORT BRANCH BOX FOR MXZ-C MODELS	
1	EA	88991	PAC-MKA50BC 5 PORT BRANCH BOX FOR MXZ-C MODELS	



MVZ Ducted Split System Air Handlers

Multi-Position, Heating & Cooling



- Effectively cool and heat a large zone or an entire home
- Connect to MXZ-C outdoor unit and additional indoor units for high efficiency, superior air coverage, and precise control
- True multi-position; no additional kits required for downflow configuration
- DC motor ensures quiet and efficient operation

Compatible with the Following Outdoor Units

- MXZ-C
- MXZ-C H2i

Model Number			MVZ-A12AA4	MVZ-A18AA4	MVZ-A24AA4	MVZ-A30AA4	MVZ-A36AA4
Cooling	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000
Heating at 47° F	Rated Capacity	Btu/h	13,500	20,000	27,000	34,000	40,000
Electrical Power Requirements		208/230V, 1-Phase, 60 Hz					
MCA	A		1	1	1	1	1
Voltage	S1-S2	V AC	208/230	208/230	208/230	208/230	208/230
Indoor-Outdoor	S2-S3	V DC	+/- 24	+/- 24	+/- 24	+/- 24	+/- 24
External Static Pressure		In. wg	0.30-0.50-0.80				
External Finish		High-gloss polyester powder coated					
Sound Pressure Level (Low-Mid-Hi)	Cooling	dB(A)	27-31-35	28-32-36	30-34-38	32-36-40	35-39-43
	Heating	dB(A)	27-31-35	28-32-36	30-34-38	32-36-40	35-39-43
Airflow Rate (Low-Mid-Hi)	Cooling (Dry)	CFM	280-340-400	410-497-585	515-625-735	613-744-875	767-931-1095
	Heating	CFM	280-340-400	410-497-585	515-625-735	613-744-875	767-931-1095
Refrigerant Piping	Liquid	In.	1/4	1/4	3/8	3/8	3/8
	Gas	In.	1/2	1/2	5/8	5/8	5/8
External Dimensions	H	In.	50-1/4	50-1/4	50-1/4	50-1/4	50-1/4
	W	In.	17	17	17	17	17
	D	In.	21-5/8	21-5/8	21-5/8	21-5/8	21-5/8
Net Weight		Lbs.	113	113	113	113	113
Refrigerant			R-410A	R-410A	R-410A	R-410A	R-410A
Connection Method			Flared	Flared	Flared	Flared	Flared

Air Handlers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89346	MVZ-A12AA4 12,000 BTU MULTI-POSITION AIR HANDLER		
1	EA	89347	MVZ-A18AA4 18,000 BTU MULTI-POSITION AIR HANDLER		
1	EA	89348	MVZ-A24AA4 24,000 BTU MULTI-POSITION AIR HANDLER		
1	EA	89349	MVZ-A30AA4 30,000 BTU MULTI-POSITION AIR HANDLER		
1	EA	89352	MVZ-A36AA4 36,000 BTU MULTI-POSITION AIR HANDLER		

Electric Heat Kits

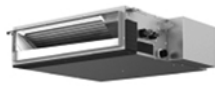
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89356	EH05-MPA-S 5KW ELECTRIC HEATER MODULE	
1	EA	89357	EH08-MPA-S 8KW ELECTRIC HEATER MODULE	
1	EA	89358	EH08-MPA-M 8KW ELECTRIC HEATER MODULE	
1	EA	89359	EH10-MPA-M 10KW ELECTRIC HEATER MODULE	



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
- 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 2x2 drop ceiling
- Built-in drain-lift mechanism for condensate removal
- 4" ventilation-air intake knockout option
- Automatic fan speed control
- Indoor units receive power from outdoor units through field-supplied interconnected wiring
- Five year limited warranty on parts and defects
- Seven 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 by 4 to 8 dB(A).
- 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 MHK1 controller as well as the advanced wire controller (PAR31-MAA) and the simple wired controller (PAC-YT53CRAU)
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat or Off.

Outdoor Unit			PUY-A24NHA6	PUY-A30NHA6	PUY-A36NHA6	PUY-A42NHA6
Power Supply		V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
MCA		A	18	25	25	26
Rated Capacity	Cooling	Btu/h	24,000	30,000	35,000	42,000
	Energy Efficiency	SEER	16.8	14.5	14.4	15.8
Pipe Dimensions	Liquid	In.	3/8	3/8	3/8	3/8
	Gas	In.	5/8	5/8	5/8	5/8
	Max. Ht. Differential	Ft.	100	100	100	100
	Max. Length	Ft.	165	165	165	165
Compressor Type			DC Inverter-driven Twin Rotary			Inverter-driven Scroll
Dimensions	W	In.	37-3/8	37-3/8	37-3/8	37-3/8
	D	In.	13+1-3/16	13+1-3/16	13+1-3/16	13+1-3/16
	H	In.	37-1/8	37-1/8	37-1/8	53-1/8
Weight		Lbs	163	163	163	258

Indoor Unit			PCA-A24KA4.TH	PCA-A30KA4.TH	PCA-A36KA6.TH	PCA-A42KA6.TH
Power Supply		V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
MCA		A	1	1	2	2
Sound	(Lo-M1-M2-Hi)	dB(A)	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45
Airflow	(Lo-M1-M2-Hi)	Dry CFM	530-565-600-670	565-600-635-705	775-850-920-990	810-885-955-1,025
		Wet CFM	495-530-565-635	530-565-600-670	705-775-850-920	740-810-885-955
Moisture Removal		Pints/Hr.	5.8	8.3	8.5	11.7
Dimensions	W	In.	50-3/8	50-3/8	63	63
	D	In.	26-3/4	26-3/4	26-3/4	26-3/4
	H	In.	9-1/16	9-1/16	9-1/16	9-1/16
Weight		Lbs.	71	71	79	84

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88899	PUY-A24NHA6 24,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88901	PUY-A30NHA6 30,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88905	PUY-A36NHA6 36,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88909	PUY-A42NHA6 42,000 P-SERIES COOLING ONLY OUTDOOR		

Indoor Units

1	EA	89103	PCA-A24KA4.TH 24,000 P-SERIES CEILING MOUNT		
1	EA	88900	PCA-A30KA4.TH 30,000 P-SERIES CEILING MOUNT		
1	EA	88906	PCA-A36KA6.TH 36,000 P-SERIES CEILING MOUNT		
1	EA	88908	PCA-A42KA6.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 by 4 to 8 dB(A).
- 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 MHK1 controller as well as the advanced wire controller (PAR31-MAA) and the simple wired controller (PAC-YT53CRAU)
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat or Off.

Outdoor Unit			PUY-A12NHA6	PUY-A18NHA6	PUY-A24NHA6	PUY-A30NHA6	PUY-A36NHA6
Power Supply		V/Ph/Hz	208-230/1/60				
MCA		A	13	13	18	25	25
Rated Capacity	Cooling	Btu/h	12,000	18,000	24,000	30,000	34,200
Energy Efficiency		SEER	15.2	15.3	17.0	15.5	14.0
Pipe Dimensions	Liquid	In.	1/4	1/4	3/8	3/8	3/8
	Gas	In.	1/2	1/2	5/8	5/8	5/8
	Max. Ht. Differential	Ft.	100	100	100	100	100
	Max. Length	Ft.	100	100	165	165	165
Compressor	Model (Type)		DC Inverter-driven Twin Rotary				
Dimensions	W	In.	31-1/2	31-1/2	37-3/8	37-3/8	37-3/8
	D	In.	11-13/16 + 7/8	11-13/16 + 7/8	11-13/16 + 7/8	11-13/16 + 7/8	13+1-3/16
	H	In.	23-5/8	23-5/8	37-1/8	37-1/8	37-1/8
Weight		Lbs.	90	97	163	163	163

Indoor Unit			PKA-A12HA6	PKA-A18HA6	PKA-A24KA6.TH	PKA-A30KA6.TH	PKA-A36KA6.TH
Power Supply		V/Ph/Hz	208-230/1/60				
Min. Ampacity		A	1	1	1	1	1
Sound (Lo-M1-M2-Hi)		dB(A)	36-40-43	36-40-43	39-42-45	39-42-45	43-46-49
Airflow (Lo-M1-M2-Hi)	Dry CFM		320-370-425	320-370-425	635-705-775	635-705-775	705-810-920
	Wet CFM		290-335-380	290-335-380	570-635-700	570-635-700	635-730-830
Moisture Removal		Pints/Hr.	2.0	5.2	5.0	8.1	9.2
Dimensions	W	In.	35-3/8	35-3/8	46-1/16	46-1/16	46-1/16
	D	In.	9-13/16	9-13/16	11-5/8	11-5/8	11-5/8
	H	In.	11-5/8	11-5/8	14-3/8	14-3/8	14-3/8
Weight		Lbs.	29	29	46	46	46

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89097	PUY-A12NHA4R1 12,000 COOLING ONLY P SERIES OUTDOOR		
1	EA	88901	PUY-A30NHA6 30,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	89101	PUY-A18NHA4R1 18,000 COOLING ONLY P SERIES OUTDOOR		
1	EA	89108	PUY-A24NHA4 24,000 COOLING ONLY P-SERIES OUTDOOR		
1	EA	89110	PUY-A30NHA4 30,000 COOLING ONLY P-SERIES OUTDOOR		
1	EA	89116	PUY-A36NHA4 36,000 COOLING ONLY P-SERIES OUTDOOR		

Indoor Units

1	EA	88889	PKA-A12HA6 12,000 P-SERIES WALL MOUNT		
1	EA	88892	PKA-A18HA6 18,000 P-SERIES WALL MOUNT		
1	EA	88896	PKA-A24KA6.TH 24,000 P-SERIES WALL MOUNT		
1	EA	88895	PKA-A30KA6.TH 30,000 P-SERIES WALL MOUNT		
1	EA	88904	PKA-A36KA6.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 by 4 to 8 dB(A).
- 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 MHK1 controller as well as the advanced wire controller (PAR31-MAA) and the simple wired controller (PAC-YT53CRAU)
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat or Off.

Outdoor Unit			PUY-A12NHA6	PUY-A18NHA6	PUY-A24NHA6	PUY-A30NHA6	PUY-A36NHA6	PUY-A42NHA6
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	208/230-1-60
Voltage	S1-S2	V	AC 208/230	AC 208/230	AC 208/230	AC 208/230	AC 208/230	AC 208/230
	S2-S3	V	DC24	DC24	DC24	DC24	DC24	DC24
MCA		A	13	13	18	25	25	26
Recommended Fuse/Breaker		A	15	15	25	30	30	30
MOCP		A	15	20	30	40	40	40
Fan Motor		FLA	0.35	0.35	0.75	0.75	0.75	.04+.04
Fan Motor Output		W	40	40	75	75	75	86+86
Rated Capacity	Cooling	Btu/h	12000	18000	24000	30000	35000	42000
Energy Efficiency		SEER	13.5	14.2	13.6	13.6	14.2	14.4
Pipe Dimensions	Liquid OD	In.	1/4	1/4	3/8	3/8	3/8	3/8
	Gas OD	In.	1/2	1/2	5/8	5/8	5/8	5/8
	Max. Ht. Diff.	Ft.	100	100	100	100	100	100
	Max. Length	Ft.	100	100	165	165	165	165
Dimensions	W	In.	31-1/2	31-1/2	37-3/8	37-3/8	37-3/8	37-3/8
	D	In.	11-13/16+7/8	11-13/16+7/8	13+1-3/16	13+1-3/16	13+1-3/16	13+1-3/16
	H	In.	23-5/8	23-5/8	37-1/8	37-1/8	37-1/8	53-1/8
Weight		Lbs.	82	89	163	163	163	258

Indoor Unit			PLA-A12BA6	PLA-A18BA6	PLA-A24BA6	PLA-A30BA6	PLA-A36BA6	PLA-A42BA6
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	208/230-1-60
MCA		A	1	1	1	1	2	2
Fan Motor		FLA	0.51	0.51	0.51	0.51	1.00	1.00
Fan Motor Output		W	50	50	50	50	120	120
Moisture Removal		Pints/Hr	1.7	3.0	5.1	7.2	8.1	10.9
Dimensions Unit (Grille)	W	In.	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)
	D	In.	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)
	H	In.	10-3/16 (1-3/8)	10-3/16 (1-3/8)	10-3/16 (1-3/8)	10-3/16 (1-3/8)	11-3/4 (1-3/8)	11-3/4 (1-3/8)
Weight Unit (Panel)		Lbs.	49 (13)	49 (13)	51 (13)	51 (13)	55 (13)	55 (13)

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88891	PUY-A12NHA6 12,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88894	PUY-A18NHA6 18,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88899	PUY-A24NHA6 24,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88901	PUY-A30NHA6 30,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88905	PUY-A36NHA6 36,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88909	PUY-A42NHA6 42,000 P-SERIES COOLING ONLY OUTDOOR		

Indoor Units

1	EA	88890	PLA-A12BA6 12,000 P-SERIES CEILING RECESSED		
1	EA	88893	PLA-A18BA6 18,000 P-SERIES CEILING RECESSED		
1	EA	88897	PLA-A24BA6 24,000 P-SERIES CEILING RECESSED		
1	EA	88902	PLA-A30BA6 30,000 P-SERIES CEILING RECESSED		
1	EA	88907	PLA-A36BA6 36,000 P-SERIES CEILING RECESSED		
1	EA	88910	PLA-A42BA6 42,000 P-SERIES CEILING RECESSED		

Grille

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89285	PLP-40BAU 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 by 4 to 8 dB(A).
- 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 MHK1 controller as well as the advanced wire controller (PAR31-MAA) and the simple wired controller (PAC-YT53CRAU)
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat or Off .

Outdoor Unit			PUZ-A24NHA6	PUZ-A30NHA6	PUZ-A36NHA6	PUZ-A42NHA6
Power Supply		V/Ph/Hz	208-230/1/60			
MCA		A	18	25	25	26
Rated Capacity	Cooling	Btu/h	24,000	30,000	35,000	42,000
	Heating at 47° F	Btu/h	26,000	32,000	37,000	45,000
	Heating at 17° F	Btu/h	18,000	23,000	25,000	30,000
Energy Efficiency		SEER	16.8	14.5	14.4	15.8
Pipe Dimensions	Liquid	In.	3/8	3/8	3/8	3/8
	Gas	In.	5/8	5/8	5/8	5/8
	Max. Ht. Diff.	Ft.	100	100	100	100
	Max. Length	Ft.	165	165	165	165
Compressor		Model(Type)	DC Inverter-driven Twin Rotary			Inverter-driven Scroll
		W	In.	37-3/8	37-3/8	37-3/8
Dimensions	D	In.	13+1-3/16	13+1-3/16	13+1-3/16	13+1-3/16
	H	In.	37-1/8	37-1/8	37-1/8	53-1/8
Weight		Lbs.	165	165	165	260

Indoor Unit			PCA-A24KA4.TH	PCA-A30KA4.TH	PCA-A36KA6.TH	PCA-A42KA6.TH
Power Supply		V/Ph/Hz	208-230/1/60			
Min. Ampacity		A	1	1	2	2
Sound (Lo-M1-M2-Hi)		dB(A)	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45
Airflow (Lo-M1-M2-Hi)	Dry	CFM	530-565-600-670	565-600-635-705	775-850-920-990	810-885-955-1,025
	Wet	CFM	495-530-565-635	530-565-600-670	705-775-850-920	740-810-885-955
Moisture Removal		Pints/Hr	5.8	8.3	8.5	11.7
Dimensions	W	In.	50-3/8	50-3/8	63	63
	D	In.	26-3/4	26-3/4	26-3/4	26-3/4
	H	In.	9-1/16	9-1/16	9-1/16	9-1/16
Weight		Lbs.	71	71	79	84

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88913	PUZ-A24NHA6 24,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88914	PUZ-A30NHA6 30,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88915	PUZ-A36NHA6 36,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88916	PUZ-A42NHA6 42,000 P-SERIES HEAT PUMP OUTDOOR		

Indoor Units

1	EA	89103	PCA-A24KA4.TH 24,000 P-SERIES CEILING MOUNT		
1	EA	88900	PCA-A30KA4.TH 30,000 P-SERIES CEILING MOUNT		
1	EA	88906	PCA-A36KA6.TH 36,000 P-SERIES CEILING MOUNT		
1	EA	88908	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 by 4 to 8 dB(A).
- The low-ambient operation performs well in cooling mode even when the outside temp. 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 MHK1 controller as well as the advanced wire controller (PAR31-MAA) and the simple wired controller (PAC-YT53CRAU)
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat or Off.

Outdoor Unit			PUZ-A18NHA6	PUZ-A24NHA6	PUZ-A30NHA6	PUZ-A36NHA6
Power Supply		V/Ph/Hz	208-230/1/60			
MCA		A	13	18	25	25
Rated Capacity	Cooling	Btu/h	18,000	24,000	30,000	34,200
	Heating at 47° F	Btu/h	19,000	26,000	32,000	37,000
	Heating at 17° F	Btu/h	13,000	18,000	23,000	25,000
Energy Efficiency		SEER	15.3	17.0	15.5	14.0
Pipe Dimensions	Liquid	In.	1/4	3/8	3/8	3/8
	Gas	In.	1/2	5/8	5/8	5/8
	Max. Ht. Differential	Ft.	100	100	100	100
	Max. Length	Ft.	100	165	165	165
Compressor		Model (Type)	DC Inverter-driven Twin Rotary			
Dimensions	W	In.	31-1/2	37-1/8	37-1/8	37-1/8
	D	In.	11-13/16 + 7/8	13+1-3/16	13+1-3/16	13+1-3/16
	H	In.	23-5/8	37-12/32	37-12/32	37-12/32
Weight		Lbs.	99	165	165	165

Indoor Unit			PKA-A18HA6	PKA-A24KA6.TH	PKA-A30KA6.TH	PKA-A36KA6.TH
Power Supply		V/Ph/Hz	208-230/1/60			
MCA		A	1	1	1	1
Sound (Lo-Mid-Hi)		dB(A)	36-40-43	39-42-45	39-42-45	43-46-49
Airflow (Lo-Mid-Hi)	Dry	CFM	320-370-425	635-705-775	635-705-775	705-810-920
	Wet	FM	290-335-380	570-635-700	570-635-700	635-730-830
Moisture Removal		Pints/H	5.2	5.0	8.1	9.2
Dimensions	W	In.	35-3/8	46-1/16	46-1/16	46-1/16
	D	In.	9-13/16	11-5/8	11-5/8	11-5/8
	H	In.	11-5/8	14-3/8	14-3/8	14-3/8
Weight		Lbs.	29	46	46	46

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88912	PUZ-A18NHA6 18,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88913	PUZ-A24NHA6 24,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88914	PUZ-A30NHA6 30,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88915	PUZ-A36NHA6 36,000 P-SERIES HEAT PUMP OUTDOOR		

Indoor Units

1	EA	88892	PKA-A18HA6 18,000 P-SERIES WALL MOUNT		
1	EA	88896	PKA-A24KA6.TH 24,000 P-SERIES WALL MOUNT		
1	EA	88895	PKA-A30KA6.TH 30,000 P-SERIES WALL MOUNT		
1	EA	88904	PKA-A36KA6.TH 36,000 P-SERIES WALL MOUNT		



PUZ/PLA Ductless Split System Heat Pumps

Inverter Driven, Ceiling Recessed, Heating & Cooling



- The new compact outdoor unit design requires less space and reduces outdoor unit sound level by 4 to 8 dB(A).
- The low-ambient operation performs well in cooling mode even when the outside temp. 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 MHK1 controller as well as the advanced wire controller (PAR31-MAA) and the simple wire controller (PAC-YT52CRAU)
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat or Off.

Outdoor Unit			PUZ-A18NHA6	PUZ-A24NHA6	PUZ-A30NHA6	PUZ-A36NHA6	PUZ-A42NHA6
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
Voltage	Indoor - Outdoor	S1-S2	AC 208-230V	AC 208-230V	AC 208-230V	AC 208-230V	AC 208-230V
	Indoor - Outdoor	S2-S3	DC24V	DC24V	DC24V	DC24V	DC24V
MCA		A	13	18	25	25	26
MOCP		A	20	30	40	40	40
Fan Motor		FLA	0.35	0.75	0.75	0.75	0.4+0.4
Max. Cooling Cap.		Btu/h	18,000	24,000	30,000	35,000	42,000
Max. Heating (at 47°F)		Btu/h	20,000	28,000	34,000	38,000	48,000
Heating (at 17°F)		Btu/h	13,000	16,000	23,000	25,000	30,000
Sound	Heating	dBa	47	50	50	50	55
Energy Efficiency		SEER	14.2	13.6	13.6	14.2	14.4
		HSPF	9.8	8.5	8.7	9.3	9.3
Refrigerant (R-410A)	Charge	Lbs., oz.	3,12	6,10	6,10	6,10	10
	Oil Type	fl. oz.	FV50S (20)	FV50S (28)	FV50S (28)	FV50S (28)	FV50S (45)
Refrigerant Pipe	Max. Ht. Diff.	Ft.	100	100	100	100	100
	Max Length	Ft.	100	165	165	165	165
	Liquid Side OD	In.	1/4	3/8	3/8	3/8	3/8
	Gas Side OD	In.	1/2	5/8	5/8	5/8	5/8
Dimensions	W	In.	31-1/2	37-1/8	37-1/8	37-1/8	37-3/8
	D	In.	11-13/16 + 7/8	13 + 1-3/16	13 + 1-3/16	13 + 1-3/16	13 + 1-3/16
	H	In.	23-5/8	37-12/32	37-12/32	37-12/32	53-1/8
Weight		Lbs.	91	165	165	165	260

Indoor Unit			PLA-A18BA6	PLA-A24BA6	PLA-A30BA6	PLA-A36BA6	PLA-A42BA6
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	2	2
Fan Motor		FLA	0.51	0.51	0.51	1.00	1.00
Fan Motor Output		W	50	50	50	120	120
Weight Unit (Panel)		Lbs.	49 (13)	51 (13)	51 (13)	55 (13)	55 (13)
Sound (Lo-M1-M2-Hi)		dB(A)	28-29-31-32	28-29-31-32	28-30-32-34	32-34-37-40	34-36-39-41
Moisture Removal		Pints/Hr	3.0	5.1	7.2	8.1	10.9
Dimensions Unit (Grille)	W	In.	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)
	D	In.	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)	33-1/16 (37-3/8)
	H	In.	10-3/16 (1-3/8)	10-3/16 (1-3/8)	10-3/16 (1-3/8)	11-3/4 (1-3/8)	11-3/4 (1-3/8)

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88912	PUZ-A18NHA6 18,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88913	PUZ-A24NHA4 24,000 HEAT PUMP P-SERIES OUTDOOR		
1	EA	88914	PUZ-A30NHA4 30,000 HEAT PUMP P-SERIES OUTDOOR		
1	EA	88915	PUZ-A36NHA4 36,000 HEAT PUMP P-SERIES OUTDOOR		
1	EA	88916	PUZ-A42NHA6 42,000 P-SERIES HEAT PUMP OUTDOOR		

Indoor Units

1	EA	88893	PLA-A18BA6 18,000 P-SERIES CEILING RECESSED		
1	EA	88897	PLA-A24BA6 24,000 P-SERIES CEILING RECESSED		
1	EA	88902	PLA-A30BA6 30,000 P-SERIES CEILING RECESSED		
1	EA	88907	PLA-A36BA6 36,000 P-SERIES CEILING RECESSED		
1	EA	88910	PLA-A42BA6 42,000 P-SERIES CEILING RECESSED		

Grille

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89285	PLP-40BAU GRILLE PLA INDOOR UNITS	

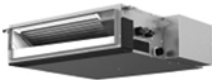


PUY/PEAD Ducted Split System Air Conditioners

Inverter Driven, Ceiling Concealed, Cooling Only



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 by 4 to 8 dB(A).
- The P-series can be used with the wireless MHK1 controller as well as the advanced wire controller (PAR31-MAA) and the simple wired controller (PAC-YT53CRAU)
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat or Off
- The low ambient operation performs well in cooling mode even when the outside temperature is 0°F.

Outdoor Unit			PUY-A12NHA6	PUY-A18NHA6	PUY-A24NHA6	PUY-A30NHA6	PUY-A36NHA6	PUY-A42NHA6
Power Supply		V/Ph/Hz	208-230/1/60					
MCA		A	13	13	18	25	25	26
Rated Capacity	Cooling	Btu/h	12,000	18,000	24,000	30,000	35,000	42,000
Energy Efficiency		SEER	13.8	14.3	16.0	15.5	15.0	13.8
Pipe Dimensions	Liquid	In.	1/4	1/4	3/8	3/8	3/8	3/8
	Gas	In.	1/2	1/2	5/8	5/8	5/8	5/8
	Max. Ht. Diff.	Ft.	100	100	100	100	100	100
	Max. Length	Ft.	100	100	165	165	165	165
Compressor		Model (Type)	DC Inverter-driven Twin Rotary					Inverter-driven Scroll
Dimensions	W	In.	31-1/2	31-1/2	37-3/8	37-3/8	37-3/8	37-3/8
	D	In.	11-13/16 + 7/8	11-13/16 + 7/8	13+1-3/16	13+1-3/16	13+1-3/16	13+1-3/16
	H	In.	23-5/8	23-5/8	37-1/8	37-1/8	37-1/8	53-1/8
Weight		Lbs.	82	89	163	163	163	258

Indoor Unit			PEA-A12AA4R1.TH	PEA-A18AAR1.TH	PEAD-A24AA5	PEAD-A30AA5	PEAD-A36AA5	PEAD-A42AA6
Power Supply		V/Ph/Hz	208-230/1/60					
MCA		A	1	2	2.63	2.73	3.30	3.50
Sound (Lo-Mid-Hi)		dB(A)	23-28-33	30-34-38	30-33-37	30-34-39	33-38-42	36-40-44
Airflow (Lo-Mid-Hi)	Dry	Dry CFM	247-317-388	423-529-635	512-636-742	618-742-883	847-1,024-1,201	1,042-1,254-1,483
	Wet	Wet CFM	222-285-349	381-476-572	494-600-671	565-671-812	777-953-1,130	953-1,165-1,412
Moisture Removal		Pints/H	2.47	3.3	6.9	8.6	7.9	9.0
Dimensions	W	In.	39	46-7/8	43-5/16	43-5/16	55-1/8	55-1/8
	D	In.	27-9/16	27-9/16	28-7/8	28-7/8	28-7/8	28-7/8
	H	In.	7-7/8	7-7/8	9-7/8	9-7/8	9-7/8	9-7/8
Weight		Lbs.	48	62	73	73	91	95

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88891	PUY-A12NHA6 12,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88894	PUY-A18NHA6 18,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88899	PUY-A24NHA6 24,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88901	PUY-A30NHA6 30,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88905	PUY-A36NHA6 36,000 P-SERIES COOLING ONLY OUTDOOR		
1	EA	88909	PUY-A42NHA6 42,000 P-SERIES COOLING ONLY OUTDOOR		

Indoor Units

1	EA	89098	PEA-A12AA4R1.TH 12,000 P-SERIES DUCTED		
1	EA	89102	PEA-A18AA4R1.TH 18,000 P-SERIES DUCTED		
1	EA	88898	PEAD-A24AA5 24,000 P-SERIES DUCTED		
1	EA	88903	PEAD-A30AA5 30,000 P-SERIES DUCTED		
1	EA	89133	PEAD-A36AA5 36,000 P-SERIES DUCTED		
1	EA	88911	PEAD-A42AA5 42,000 P-SERIES DUCTED		

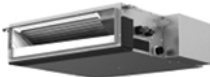


PUZ/PEAD Series Ducted Split System Heat Pumps

Inverter Driven, Ceiling Concealed, Heating & Cooling



Outdoor Unit



Indoor Unit

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- The new compact outdoor unit design requires less space and reduces outdoor unit sound level by 4 to 8 dB(A).
- The P-series can be used with the wireless MHK1 controller as well as the advanced wire controller (PAR31-MAA) and the simple wired controller (PAC-YT53CRAU)
- The multi-node comfort control (wired or wireless) allows easy selection of On, Cool, Dry Mode, Fan, Heat or Off.

Outdoor Unit			PUZ-A18NHA6	PUZ-A24NHA6	PUZ-A30NHA6	PUZ-A36NHA6	PUZ-A42NHA6
Power Supply		V/Ph/Hz	208-230/1/60				
MCA		A	13	18		25	26
Rated Capacity	Cooling	Btu/h	18,000	24,000	30,000	35,000	42,000
	Heating at 47° F	Btu/h	19,000	26,000	32,000	37,000	45,000
	Heating at 17° F	Btu/h	13,000	18,000	23,000	25,000	30,000
Energy Efficiency		SEER	14.3	16.0	15.5	15.0	13.8
Pipe Dimensions	Liquid	In.	1/4	3/8	3/8	3/8	3/8
	Gas	In.	1/2	5/8	5/8	5/8	5/8
	Max. Ht. Differential	Ft.	100	100	100	100	100
	Max. Length	Ft.	100	165	165	165	165
Compressor		Model (Type)	DC Inverter-driven Twin Rotary				Inverter-driven Scroll
Dimensions		W (In.)	31-1/2	37-3/8	37-3/8	37-3/8	37-3/8
		D (In.)	11-13/16 + 7/8	13+1-3/16	13+1-3/16	13+1-3/16	13+1-3/16
		H (In.)	23-5/8	37-1/8	37-1/8	37-1/8	53-1/8
Weight		Lbs.	91	165	165	165	260

Indoor Unit			PEA-A18AA4R1.TH	PEAD-A24AA5	PEAD-A30AA5	PEAD-A36AA5	PEAD-A42AA6
Power Supply		V/Ph/Hz	208-230/1/60				
MCA		A	2	2.63	2.73	3.30	3.50
Sound (Lo-Mid-Hi)		dB(A)	30-34-38	30-33-37	30-34-39	33-38-42	36-40-44
Airflow (Lo-Mid-Hi)	Dry	CFM	423-529-635	512-636-742	618-742-883	847-1,024-1,201	1,042-1,254-1,483
	Wet	CFM	381-476-572	494-600-671	565-671-812	777-953-1,130	953-1,165-1,412
Moisture Removal		Pints/H	3.26	6.9	8.6	7.9	9.0
Dimensions	W	In.	46-7/8	43-5/16	43-5/16	55-1/8	55-1/8
	D	In.	27-9/16	28-7/8	28-7/8	28-7/8	28-7/8
	H	In.	7-7/8	9-7/8	9-7/8	9-7/8	9-7/8
Weight		Lbs.	60	73	73	91	95

Outdoor Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	88912	PUZ-A18NHA6 18,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88913	PUZ-A24NHA6 24,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88914	PUZ-A30NHA6 30,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88915	PUZ-A36NHA6 36,000 P-SERIES HEAT PUMP OUTDOOR		
1	EA	88916	PUZ-A42NHA6 42,000 P-SERIES HEAT PUMP OUTDOOR		

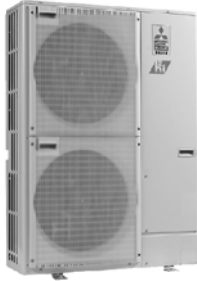
Indoor Units

1	EA	89102	PEA-A18AA4R1.TH 18,000 P-SERIES DUCTED		
1	EA	88898	PEAD-A24AA5 24,000 P-SERIES DUCTED		
1	EA	88903	PEAD-A30AA5 30,000 P-SERIES DUCTED		
1	EA	89133	PEAD-A36AA5 36,000 P-SERIES DUCTED		
1	EA	88911	PEAD-A42AA5 42,000 P-SERIES DUCTED		



PUZ H2i Ducted Split System Heat Pumps (Outdoor Unit)

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 Unit			PUZHA30NHA30NHA4	PUZHA36NHA4	PUZHA42NKA
Power Supply	V/Ph./Hz		208-230/1/60	208-230/1/60	208-230/1/60
MCA	A		28	28	28
Recommended Fuse/Breaker	A		30	30	30
MOCP	A		40	40	40
Fan Motor	F.L.A.		0.4 + 0.4	0.4 + 0.4	0.4 + 0.4
Fan Motor Output	W		60 + 60	60 + 60	60 + 60
Compressor	Model (Type)		Inverter	Inverter	Inverter
	R.L.A.	A	18	18	18
	L.R.A.	A	27.5	27.5	27.5
Airflow	CFM		3,530	3,530	3,530
Refrigerant Control	Electronic Expansion Valve				
Defrost Method			Reverse Cycle	Reverse Cycle	Reverse Cycle
Dimensions	W	In.	37-3/8	37-3/8	37-3/8
	D	In.	13 + 1-3/16	13 + 1-3/16	13 + 1-3/16
	H	In.	53-1/8	53-1/8	53-1/8
Refrigerant	Charge	Lbs.	12	12	12
	Oil Type	FV50S (45)		FV50S (45)	FV50S (45)
	Type	R-410A		R-410A	R-410A
	Gas Side O.D.	In.	5/8	5/8	5/8
	Liquid Side O.D.	In.	3/8	3/8	3/8
Refrigerant Pipe Length	Height Diff. Max.	Ft.	100	100	100
	Length Max.	Ft.	245	245	245
Connection Method	Indoor/Outdoor		Flared/Flared	Flared/Flared	Flared/Flared
Operating Temp.	Cooling		0° F D.B. to 115° F D.B. with Wind Baffle Accessory Installed		
Range	Heating		-13° F W.B. to +59° F W.B.		
Weight	Lbs.		265	265	265

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-2	PC-2 3
1	EA	89186	PUZ-HA30NHA4 HYPER HEAT 30,000 HEAT PUMP P-SERIES OUTDOOR		
1	EA	89187	PUZ-HA36NHA4 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	



Air Conditioning Bracket

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PR	16556	1043 12INX24IN AIR CONDITIONING BRACKET	



Quick Swivel Flush Mount Stand with H-Bracket

For Unit Heaters & Ducted Mini Splits



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



QSMS1801 (Wide)

- 14 guage square steel tubing
- Fits all mini split brands on the market
- Each foot is 6" x 6" II guage steel and is adjustable up to 1.25" in height
- (4) 3/8" holes allow stone to be bolted to any surface
- Max capacity 400 lbs
- 18" H x 18-3/16" W
- Adjustable footprint from 34" to 40" in 1" increments



QSMS 1802 for Dual Fan Mini-Splits

- Stabilize and secure top heavy condensors
- Additional support arms are included
- 18" H x 30.5" W x 38" D
- 14 guage steel tubing
- 11 guage cross rails
- Holds up to 400 lbs

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	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
- 11 guage square steel tubing
- 4 points of anti-vibration isolation
- 500 lbs max capacity
- Shelf is 26" Deep
- Units can be mounted up and out or down and out



QSWB2000

- Wall Bracket
- 25" mounting rails
- 6 points of anti-vibration isolation
- All necessary hardware included
- 350lbs max capacity
- Slide track is adjustable from 0" to 34" W
- Shelf is 25" Deep

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	



Condensate Pumps



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	SI-30 120V 5GPH MINI CONDENSATE REMOVAL PUMP	
1	EA	89353	X87-721 230V 3.7 GPH MAXI BLUE CONDENSATE PUMP	



Mini-Split Pumps and Accessories



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 Reservoir	Y	Y	Y	Y	Y
Plenum Rated	N	N	N	N	N
Cable Length (Ft.)	6	6	6	6	6

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	

Sauerermann® Si-30 Mini Condensate Pump With Piston Technology



- For use with air conditioners up to 5.6 tons
- Applications: wall split systems, consoles, fan-coil units, ceiling suspended, ducted units
- U.L. listed
- CSA certified

Specifications

- Detection Levels: On=5/8", Off=7/16", Alarm=3/4"
- Maximum Suction Head: 10 ft
- Maximum 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	

Streamline® 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 18568 CYCLEMASTER 3/8" FLARE BALL VALVE W/INSULATION COVERS	
1	EA	89585	A 18569 CYCLEMASTER 1/2" FLARE BALL VALVE W/INSULATION COVERS	
1	EA	89185	A 18570 CYCLEMASTER 5/8" FLARE BALL VALVE W/INSULATION COVERS	



Mini-Split Tools



MSKIT1



TRQ-IMP

MSKIT 1 Includes

- 20-pocket tool bag (#MSKIT1-BAG)
- 60" Kobra hose set (#CCLS-60)
- Patriot Brass manifold with 2-1/2" gauges (#22500)
- Ratcheting flare tool (#T30600)
- Torque wrench kit (#TRQ-1080)
- Hex Key set (#T30605)
- Valve core remover (#A32525N)
- 1/4" Shield refrigerant locking caps (#SHLD-P4)
- (5) 1/4" brass caps (#NFT5-4)
- (2) Brass adapters (#A31656)

TRQ-IMP 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	83283	MSKIT1 MINI SPLIT TOOL KIT	
1	EA	83290	TRQ-IMP 5/8",13/16",15/16",1-1/8 TORQUE IMPERIAL HEAD SET	



Vinyl Drain Hose

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	41624	79131 (100FT) 1/4 ID VINYL HOSE	

Honeywell Tray Cable

Genesis® Series Cable

This cable consists of four bare copper insulated conductors cabled with a mylar wrap and an oil and sunlight resistant overall jacket.

- 14 and 16 gauge
- 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)			



Accessories and Replacement Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65722	ICM379M MUM 18 COIL SENSOR	
1	EA	65994	E02480451 M-SERIES CONTROL BOARD	
1	EA	66051	220111FRP FAN MOTOR	
1	EA	66052	305023FRP (03101976000) CONTROL BOARD	
1	EA	66066	E12541426 REMOTE CONTROLLER	
1	EA	66077	R01J01202 THERMISTOR (ROOM TEMP)	
1	EA	66079	R01K01310 BOARD CONTROLLER	
1	EA	66090	E12A49452 MS-A09WA CONTROL P.C. CIRCUIT BOARD	
1	EA	66094	T7WA30315 BOARD CONTROLLER	
1	EA	66095	T7WE01713 REMOTE CONTROLLER	
1	EA	66099	T7W851763 FAN MOTOR	
1	EA	66110	T7W850315 CONTROL BOARD	
1	EA	89012	T7WE08315 CONTROLLER BOARD	
1	EA	89013	R01J07202 THERMISTER	
1	EA	89153	T7WE94315 CONTROL BOARD	
1	EA	89155	T2W9T8451 CONTROL BOARD	
1	EA	89156	T2W9T9451 CONTROL BOARD	
1	EA	89157	E12F54450 CONTROL BOARD	
1	EA	89158	E12F15450 CONTROL BOARD	
1	EA	89159	T2WL7V451 CONTROL BOARD	
1	EA	89160	E12C85426 REMOTE CONTROLLER	
1	EA	89161	E12C26426 REMOTE CONTROLLER	
1	EA	89162	E12E79426 REMOTE CONTROLLER	
1	EA	89163	E12E83426 REMOTE CONTROLLER	
1	EA	89175	PAC-SH59KF-E ALL PLA-ABA MODELS HIGH EFFICIENCY MERV 10 FILTER	
1	EA	89176	PAC-SE81KF-E PCA INDOOR UNITS HIGH EFFICIENCY FILTER ELEMENT	
1	EA	89198	E17250382 FUSE 6.3A 250V	
1	EA	89199	E12G74451 INVERTER P.C. BOARD	
1	EA	89215	E12289900 COMPRESSOR RH-140-WGJT	
1	EA	89216	E12784900 COMPRESSOR (E02784900)	
1	EA	89217	E12A56900 COMPRESSOR SNB130FPDH	
1	EA	89218	E02268900 COMPRESSOR KH122WES(T92513200)	
1	EA	89219	E12271900 COMPRESSOR (T92667600)	
1	EA	89220	T97501400 COMPRESSOR (T97517300)	
1	EA	89221	T97503400 COMPRESSOR (T97518300)	

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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89222	T97531452 COMPRESSOR (T97665600)	
1	EA	89223	E12897302 LINE FLOW FAN (E02897302)	
1	EA	89224	E12915100 CATECHIN AIR FILTER LEFT	
1	EA	89225	E12916100 CATECHIN AIR FILTER RIGHT	
1	EA	89226	E12C24300 INDOOR FAN MOTOR	
1	EA	89227	E12A58440 POWER BOARD (E02A58440)	
1	EA	89228	M210A0424 NOISE FILTER BOARD	
1	EA	89229	M219T4440 POWER BOARD (M210A1440)	
1	EA	89230	R01600425 CAPILLARY TUBE	
1	EA	89231	R01E03103 SLEEVE BEARING (R0112G103)	
1	EA	89232	R01E06239 FUSE - 250V 6.3 AMP	
1	EA	89233	R01E59220 FAN MOTOR (R01E43220)	
1	EA	89234	R01KV5102 BEARING MOUNT	
1	EA	89235	T2WL7V451 CO P.B. ASSY (TWJ7E451)	
1	EA	89236	T7WE72313 POWER BOARD (T7WE62313)	
1	EA	89237	T7WB05762 FAN MOTOR (T7WB00762)	
1	EA	89238	T7WE20346 NOISE FILTER BOARD	
1	EA	89239	T7WE34313 POWER BOARD (T7WE19313)	
1	EA	89240	T7WE56310 CONTROLLER BOARD (T7WE46310)	
1	EA	89241	T92506801 (T92501801) COMPRESSOR TNB220FLDM	
1	EA	89256	T2WE88451 CO P.B. ASSY	
1	EA	89257	E12A49426 REMOTE CONTROLLER	
1	EA	89258	E12A58301 OUTDOOR FAN MOTOR	
1	EA	89259	T92505801 COMPRESSOR	
1	EA	89260	E12E34900 COMPRESSOR	
1	EA	89261	T97665600 COMPRESSOR	
1	EA	89262	T7WE35313 POWER BOARD	
1	EA	89263	E12C92100 CATECHIN AIR FILTER	
1	EA	89264	E12F76900 COMPRESSOR	
1	EA	89265	E12A55452 CONTROL P.C. BOARD	
1	EA	89266	R01E04115 RIGHT LINE FLOW FAN	
1	EA	89267	M210A2248 REAR PANEL	
1	EA	89268	T7W969238 PROTECTOR-MOTOR	
1	EA	89269	T2WEL8451 CO P.B. ASSY	
1	EA	89270	E02268300 INDOOR FAN MOTOR	
1	EA	89271	T2WEMW451 ELECTRONIC CONTROL PC BOARD	
1	EA	89272	R01E52221 FAN MOTOR	
1	EA	89273	T7WE47313 POWER CIRCUIT BOARD	
1	EA	89274	E12A56451 INVERTER P.C. BOARD	
1	EA	89275	E12A50900 COMPRESSOR	
1	EA	89276	E12A53450 OUTDOOR CONTROL P.C. BOARD	
1	EA	89277	E12A53444 NOISE FILTER P.C. BOARD	
1	EA	89278	E12527302 LINE FLOW FAN	
1	EA	89279	E12A58444 NOISE FILTER P.C. BOARD	
1	EA	89280	025-38675-000 PRESSURE SWITCH	
1	EA	89281	E12927232 CABINET	
1	EA	89282	E02784451 DEICER P.C. BOARD	
1	EA	89283	T7WA13708 CONTACTOR	
1	EA	89284	M2190V646 EXPANSION VALVE	
1	EA	89416	R01E04103 BEARING - SLEEVE	
1	EA	89417	R01Z61102 BEARING MOUNT	
1	EA	89418	T2WF2Y451 (T2W4K2451) CO P.B. ASSY	
1	EA	89419	R0116G105 RUBBER MOUNT 1/PK	
1	EA	89420	E12E79440 POWER P.C. BOARD	
1	EA	89421	E12C24300 INDOOR FAN MOTOR	
1	EA	89422	E12001504 SLEEVE BEARING	
1	EA	89423	E12897702 DRAIN HOSE	
1	EA	89424	R63T01206 HIGH PRESURE SENSOR KIT	
1	EA	89425	T2W4K3451 CO P.B. ASSY	
1	EA	89426	E12534100 CATECHIN AIR FILTER	
1	EA	89427	E12751509 BEARING MOUNT	
1	EA	89428	E12853900 COMPRESSOR	
1	EA	89429	T7WE38313 POWER CIRCUIT BOARD	

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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89430	E12C15440 POWER BOARD	
1	EA	89431	E12F26300 INDOOR FAN MOTOR	
1	EA	89432	E12G77451 INVERTER P.C. BOARD	
1	EA	89433	R01E02103 BEARING - SLEEVE	
1	EA	89434	R01E14500 FILTER	
1	EA	89435	R01E15500 FILTER	
1	EA	89436	R01E65313 POWER BOARD	
1	EA	89437	R0112G105 RUBBER MOUNT	
1	EA	89438	T7WE31763 FAN MOTOR (T7WE27763)	
1	EA	89439	E12C92300 INDOOR FAN MOTOR	
1	EA	89440	E12D20440 POWER BOARD	
1	EA	89441	R01E13500 L.L. FILTER	
1	EA	89442	R61S84280 INV BOARD	
1	EA	89443	R61051280 M-NET BOARD	
1	EA	89444	R63670202 THERMISTOR	
1	EA	89445	E12D21444 NOISE FILTER P.C. BOARD	
1	EA	89446	E12F28100 NANO PLATINUM FILTER	
1	EA	89447	E12G78451 INVERTER P.C. BOARD	
1	EA	89448	E12J68451 INVERTER PC BOARD	
1	EA	89449	E12927662 STOP VALVE (LIQ)	
1	EA	89450	R01A17500 AIR FILTER	
1	EA	89452	R01E14239 FUSE 6.3A 250V	
1	EA	89453	R01E23114 LEFT LINEFLOW FAN	
1	EA	89454	R616A7280 MAIN BOARD	
1	EA	89455	T2WL7V440 POWER BOARD	
1	EA	89456	T7WA30708 CONTACTOR	
1	EA	89457	T7WE47315 CONTROLLER BOARD	
1	EA	89458	T7WE84315 CONTROLLER CIRCUIT BD	
1	EA	89459	E12A54444 POWER P.C. BOARD	
1	EA	89460	E12A56961 4-WAY VALVE	
1	EA	89461	E12F63100 NANO PLATINUM FILTER	
1	EA	89462	E12G40452 CONTROL P.C. BOARD	
1	EA	89463	E12J43451 INVERTER P.C. BOARD	
1	EA	89464	E17676447 INDOOR CONTROL BOARD	
1	EA	89465	R01E05115 LINE FLOW FAN (RIGHT)	
1	EA	89466	R01E22346 NOISE FILTER	
1	EA	89467	R01E24114 LINE FLOW FAN (LEFT)	
30	EA	89468	R01E94202 THERMISTOR	
1	EA	89469	R01N01202 THERMISTOR OUTDOOR PIPE	
1	EA	89470	E12A50452 CONTROL P.C. BOARD	
1	EA	89471	E12A58300 FAN MOTOR	
1	EA	89472	E12D38444 NOISE FILTER P.C. BOARD	
1	EA	89473	E12G41300 FAN MOTOR	
1	EA	89474	E12270300 INDOOR FAN MOTOR	
1	EA	89475	E12272900 COMPRESSOR	
1	EA	89476	E12527083 REMOTE HOLDER	
1	EA	89477	E12851501 PROPELLER	
1	EA	89478	E12897308 ROOM TEMP THERMISTOR	
1	EA	89479	R01E07233 ACT MODULE	
1	EA	89480	R01E24500 AIR FILTER	
1	EA	89481	R01E25500 AIR FILTER	
1	EA	89482	R61N96282 G/A BOARD	
1	EA	89483	T2WEA0988 INVERTER CHECKER	
1	EA	89484	T7W850763 MOTOR - FAN	
1	EA	89485	T7WB06762 FAN MOTOR	
1	EA	89486	T7WE10201 THERMISTOR SHELL	
1	EA	89487	T7WE14355 DRAIN PUMP	
1	EA	89488	T7WE28763 FAN MOTOR	
1	EA	89489	T7WE30762 FAN MOTOR	



The CITY MULTI Advantage

CITY MULTI is the first two-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.

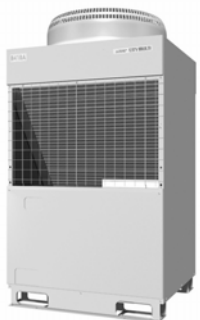
CITY MULTI VRF systems provide the flexibility to meet any application, ranging from the simple to the complex. The best way to ensure total comfort for the occupants of offices, schools, hospitals, assisted-living facilities, hotels and others is to provide each individual zone with a personalized comfort 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.

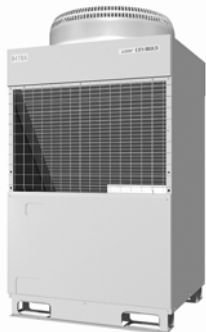
NOTE: When quoting City Multi Equipment, please contact the commercial sales team at 630-932-8777.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	69600	PURY-P72TJMU-A 72,000 BTUH CITY MULTI R-2 SERIES OUTDOOR UNIT
1	EA	69601	PURY-P96TJMU-A 96,000 BTUH CITY-MULTI R-2 SERIES OUTDOOR UNIT
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



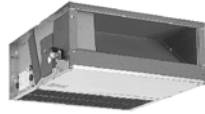
Indoor Units

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.

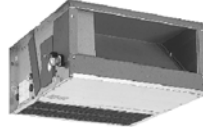
NOTE: When quoting CITY MULTI Equipment, please contact the commercial sales team at 630-932-8777.



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.

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 is 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

Filter (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1 x 18 x 25	1	EA	88143	HBH024A8C30CRS 24K BTU 265-1-60 RH COMMERCIAL HORIZONTAL HP	
1 x 18 x 25	1	EA	88144	HBH030A3C30CRS 30K BTU 208/230-3-60 RH COMMERCIAL HORIZONTAL HP	
1 x 18 x 25	1	EA	88145	HBH030A4C30CRS 30K BTU 460-3-60 RH COMMERCIAL HORIZONTAL HP	
1 x 20 x 28 or (2) 1 x 20 x 14	1	EA	88146	HBH036A3C30CRS 36K BTU 208/230-3-60 RH COMMERCIAL HORIZONTAL HP	

Comfort Aire **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 switch 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 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
GV38S1-A	230/208-1	26	1/2 / 5 / ECM	2.5/2.95	3.16/4/11	20 x 25 x 2 (1)	345
GV51S1-A	230/208-1	32	1/2 / 5 / ECM	2.8/3.0	5.33/3/11	16 x 25 x 2 (2)	390
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
GV38	Full	9	1300	38,500	17.1	28,600	3.9
	Part	9	900	28,200	25.4	23,600	4.4
GV51	Full	12	1500	50,000	16.7	37,000	3.6
	Part	12	1150	39,000	23.0	30,500	4.0
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
GV38	Full	6	1300	41,000	20.7	37,000	4.4
	Part	6	900	29,400	29.6	25,800	4.8
GV51	Full	7	1500	54,000	20.6	45,500	4.2
	Part	7	1150	40,000	27.0	33,500	4.5
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	88021	GV38S1-AC 3 TON GEOTEC HEAT PUMP COPPER	
1	EA	88022	GV51S1-AC 4 TON GEOTEC HEAT PUMP COPPER	
1	EA	88023	GV61S1-AC 5 TON GEOTEC HEAT PUMP COPPER	
1	EA	88024	GV71S1-AC 6 TON GEOTEC HEAT PUMP COPPER	
1	EA	88025	GV27S1-AC 2 TON GEOTEC HEAT PUMP COPPER	

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Heat Pumps with Cupro-Nickel Water Coil

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88026	GV38S1-AN 3 TON GEOTEC HEAT PUMP CUPRO-NICKEL	
1	EA	88027	GV51S1-AN 4 TON GEOTEC HEAT PUMP CUPRO-NICKEL	
1	EA	88028	GV61S1-AN 5 TON GEOTEC HEAT PUMP CUPRO-NICKEL	
1	EA	88029	GV71S1-AN 6 TON GEOTEC HEAT PUMP CUPRO-NICKEL	
1	EA	88030	GV27S1-AN 2 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	88120	8603-030 (5101G) 3/4" FPT 24V BRASS SLOW OPEN/CLOSE VALVE W/ES	
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	
1	EA	74232	F76S 1031 WATER FILTER 1 1/4 INCH SWEAT & THREADED MNPT	
1	EA	74233	MV876B 1018 MOTORIZED BACKWASH FOR ALL F76S	



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° to 110°

- 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	102	95	248
GTC48S1			34.0		16.4/19.6	21.2	96/96			4.3				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	24.9	22,800	4.40
GTC48S1	Full	12	1500	51,000	16.0	37,500	3.60
	Part			1150	21.5	31,000	4.05
GTC60S1	Full	15	1800	61,500	15.5	49,000	3.50
	Part			1300	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	EERBTU/W	Capacity BTUH	COP
GTC36S1	Full	6	1200	42,000	21.8	34,000	4.50
	Part			850	29.4	25,000	4.80
GTC48S1	Full	7	1500	54,000	19.0	46,000	4.20
	Part			1150	24.5	34,000	4.45
GTC60S1	Full	9	1800	63,500	18.8	58,000	4.05
	Part			1300	24.7	42,000	4.25

Heat Pump, "A" Coil Section

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88045	GTA3600UD1-A 3 TON GEO TRIO COIL	
1	EA	88046	GTA4860UD1-A 4 & 5 TON GEO TRIO COIL	

Heat Pump, "B" Blower Section

1	EA	88047	GTB1-A GEO TRIO AIR HANDLER	
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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	

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Heat Pump, "C" Compressor Section with Cupro-Nickel Water Coil

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88051	GTC36S1-ADNX 3 TON GEO TRIO COMPRESSOR SEC CUPRO	
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	88120	8603-030 (5101G) 3/4" FPT 24V BRASS SLOW OPEN/CLOSE VALVE W/ES	
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	
1	EA	74232	F76S 1031 WATER FILTER 1 1/4 INCH SWEAT & THREADED MNPT	
1	EA	74233	MV876B 1018 MOTORIZED BACKWASH FOR ALL F76S	



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	

SPACEPAK[®] ESP Central AC/HP System

Small Duct, High Velocity



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 installation. 2 to 5 ton capacity.

Fan Coil

- Corrosion-resistant cabinet with baked enamel finish
- Fully insulated with 1-1/2 lbs. density batt
- Six-row copper tube aluminum fin evaporator coil removes up to 30% more humidity than conventional coil
- Blower motor is factory-balanced for vibration-free operation
- Condensate drain connection in base pan for specially-designed, factory-supplied condensate drain assembly
- Factory-assembled, pre-wired control center with high and low voltage terminal blocks, blower relay and low voltage transformer
- Factory-installed anti-frost control and thermal expansion valve
- Standard factory-installed primary drain pan float switch
- Sweat-type suction/liquid line connections
- Meets or exceeds DOE standards for energy efficiency

ACM Air Control Module

The ACM provides the ability to adjust supply air flow allowing for energy savings when operating in fan-only mode.

- Stainless steel construction
- Insulated housing
- Mounted actuator
- ETL listed
- Compatible with all plenum duct
- Simple plug-in wiring
- Pre-applied gaskets
- Durable nylon bushings

Horizontal Fan Coil Units

Model No.	Nominal System Capacity		Std. CFM @ 1.5" W.C.	Motor Hp	F.L. Amps	Connections		Shipping Wt. (Lbs.)	Recommended Condensing Unit Capacity (MBH)	Dimensions H x W x D (In.)
	Nom. Tons	Cool MBH				Suction Line	Liquid Line			
ESP-2430	2	21.0	550	1/3	1.8	7/8	3/8	120	24	14-1/8 x 24-1/8 x 29-3/8
	2-1/2	24.6	550	1/3	1.8	7/8	3/8	120	30	
ESP-3642	3	33.4	850	1/2	2.8	7/8	3/8	144	36	14-1/8 x 33-1/8 x 29-3/8
	3-1/2	38.5	850	1/2	2.8	7/8	3/8	144	42	
ESP-4860	4	45.0	1150	1	3.6	7/8	3/8	171	48	14-1/8 x 43-1/8 x 29-3/8
	5	54.0	1150	1	3.6	7/8	3/8	171	60	

Vertical Fan Coil Units

Model No.	Nominal System Capacity		Std. CFM @ 1.5" W.C.	Motor Hp	F.L. Amps	Connections		Shipping Wt. (Lbs.)	Recommended Condensing Unit Capacity (MBH)	Dimensions H x W x D (In.)
	Nom. Tons	Cool MBH				Suction Line	Liquid Line			
ESP-2430V	2	23.0	550	1/3	1.8	7/8	3/8	135	24	34 x 24 x 16-1/8
	2-1/2	27.6	550	1/3	1.8	7/8	3/8	135	30	
ESP-3642V	3	35.0	850	1/2	2.8	7/8	3/8	170	36	34 x 33 x 16-1/8
	3-1/2	40.0	850	1/2	2.8	7/8	3/8	170	42	
ESP-4860V	4	48.0	1150	1	3.6	7/8	3/8	210	48	34 x 43 x 16-1/8
	5	57.0	1150	1	3.6	7/8	3/8	210	60	

Horizontal Fan Coil Units

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87300	ESP2430GH4 2 & 2 1/2 TON G SERIES SPACEPAK	
1	EA	87301	ESP3642GH4 3 & 3 1/2 TON G SERIES SPACEPAK	
1	EA	87302	ESP4860GH4 4 & 5 TON G SERIES SPACEPAK	
1	EA	87311	AC-ACM AIR CONTROL MODULE	

Vertical Fan Coil Units

1	EA	87332	ESP-2430V 2 & 2 1/2 TON V-SERIES SPACEPAK	
1	EA	87333	ESP-3642V 3 & 3 1/2 TON V-SERIES SPACEPAK	
1	EA	87334	ESP-4860V 4 & 5 TON V-SERIES SPACEPAK	

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Typical List of Components Needed for 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.	50	FT	10741	932 9IN 5FT 30GA PIPE	
1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	12	EA	11006	120 9IN 30GA ELBOW	
1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	6	EA	11231	150 9X9X9 TEE	
2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	12	EA	11259	160 9IN CLEANOUT CAP	
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	AC-IKLT-2 SPACEPAK INSTALLATION KIT	
2 kits	4 kits	3 kits	—	4 kits	—	4	EA	87304	AC-TKMR-2 SPACEPAK PLENUM TAKE-OFF KIT	
2 kits	2 kits	3 kits	5 kits	4 kits	7 kits	1	EA	87305	AC-IKLT-5 SPACEPAK INSTALLATION KIT	
2 kits	2 kits	3 kits	5 kits	4 kits	7 kits	1	EA	87306	AC-TKMR-5 SPACEPAK PLENUM TAKE-OFF KIT	
2	3	3	3	4	5	1	EA	87307	AC-ST6-100 100 FT., R6.0 SPACEPAK SUPPLY TUBING	
1 pc.	1 pc.					3	EA	87308	AC-BASE-2 2 & 2 1/2 TON SPACEPAK SECONDARY DRAINPAN	
		1 pc.	1 pc.			3	EA	87309	AC-BASE-3 3 & 3 1/2 TON SPACEPAK SECONDARY DRAINPAN	
				1 pc.	1 pc.	3	EA	87310	AC-BASE-5 4 & 5 TON SPACEPAK SECONDARY DRAINPAN	
1	1					1	EA	87313	BM-9149 (SPC-1D) 2430 SYSTEM RETURN AIR BOX	
1 pc.	1 pc.					1	EA	87314	BM-6808-10 (SPC-4) 10 FT. 2430 RETURN AIR DUCT	
		1	1			1	EA	87315	AC-RBF-3 3642 SYSTEM RETURN AIR BOX	
		1 pc.	1 pc.			1	EA	87316	BM-6809-10 (SPC-5) 10 FT. 3642 RETURN AIR DUCT	
				1	1	1	EA	87317	BM-9169 (SPC-3D) 4860 SYSTEM RETURN AIR BOX	
				1 pc.	1 pc.	1	EA	87318	BM-6839-10 (SPC-6) 10 FT. 4860 RETURN AIR DUCT	
1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1	EA	87319	BM-4001 9 INCH ROUND SPACEPAK PLENUM ADAPTOR	

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).



VMA & VMC Series Gas Furnaces

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.)
8540001	50,000	48,000	95%	3	60	2" PVC	115/60/1	15	7.15	12 x 12	175
8540002	75,000	72,000	95%	4	60	2" PVC	115/60/1	15	7.15	12 x 12	175
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

VMA Furnaces

Dimensions H x W x D (In)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
57 x 18 x 25-3/4	1	EA	85065	8540001 57X18X26 48,000 BTU VEXAR VMA 95% MH FURNACE	
57 x 18 x 25-3/4	1	EA	85066	8540002 57X18X26 72,000 BTU VEXAR VMA 95% MH FURNACE	

VMC Furnaces with Coil Cabinet

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

1	EA	85067	0856001 V70-BASE VEXAR COMBUSTIBLE BASE	
1	EA	85068	0856002 VAOPS7483 VEXAR CONCENTRIC VENT KIT	
1	EA	85069	0856003 20" VMA VEXAR COIL CABINET	



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	

2.5" Pitch Flashings

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 Flashings

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	

Flue 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	



DG Series Gas Furnaces 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 disposable filters clean the air and are easy to replace.

Model Number	DGAA056BDTA	DGAA070BDTA	DGAA077BDTA	DGAA090BDTA	DGAH077BBSA
Factory Equipped Fuel	Natural Gas/LP Conversion Kit Included				
Ignition Type	Automatic Hot Surface Ignition				
A/C Controls	A/C Ready				Heat
Input Rate, BTUH	56,000	70,000	77,000	90,000	77,000
Output, BTUH	45,000	56,000	62,000	72,000	62,000
AFUE, % (Nat./LP)	80.0	80.0	80.0	80.0	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.)	76 x 19-1/2 x 24-1/2				60 x 19-1/2 x 24-1/2
Weight (Lbs.)	145	145	146	159	131

Furnaces

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	85004	DGAA056BDTB 76X19.5X24.5 45,000 BTU RED T MOBILE HOME FURNACE	
1	EA	85000	DGAA070BDTB 76X19.5X24.5 56,000 BTU RED T MOBILE HOME FURNACE	
1	EA	85007	DGAH077BBSA 60X19.5X24.5 62,000 BTU RED T MOBILE HOME FURNACE	
1	EA	85005	DGAA077BDTA 76X19.5X24.5 62,000 BTU RED T MOBILE HOME FURNACE	
1	EA	85001	DGAA090BDTB 76X19.5X24.5 72,000 BTU RED T MOBILE HOME FURNACE	

Roof Jacks and Sealant

1	EA	85018	4000-4241 ROOF JACK HYDROMENT SEALANT	
1	EA	85019	4000-7101/C 86"-95" ROOF JACK	
1	EA	85002	4000-7121/C 91"-102" ROOF JACK	
1	EA	85003	4000-7141/C 99"-120" ROOF JACK	
1	EA	85020	4000-7151/C 106"-132" ROOF JACK	

Extensions

6	EA	85036	7900A6111 11" INTERIOR EXTENSION	
6	EA	85037	7900A6171 17" INTERIOR EXTENSION	
1	EA	85038	7680B6541 18" EXTERIOR EXTENSION	

Control Box

1	EA	85035	7900A6041 4 WIRE CONTROL BOX	
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Blower Assembly

1	EA	85025	7900-6061/A 2 SPEED MOTOR WHEEL HOUSING	
1	EA	85010	024.35603.000 2 SPEED BLOWER MOTOR(1468-220P)	
1	EA	85043	025.43267 GAS VALVE	
1	EA	85041	025.35354.000 FLAME SENSOR	
1	EA	85008	025.41021.000 RED T HOT SURFACE IGNITOR	
1	EA	85009	1468-2199 BLEND AIR MOTOR	
1	EA	85011	1474-0041 IGNITION MODULE	
1	EA	85012	1474-0061A IGNITION MODULE	
1	EA	85016	3110-3571 SEQUENCER	

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Replacement Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	85040	324.35972.000 PRESSURE SWITCH	
1	EA	85017	373-19801-821 BOOSTER ASSEMBLY EXHAUST MOTOR SILVER TIN CAN	
1	EA	85022	7681-317P LOWER BLEND CONTROL BOARD	
1	EA	85023	7681-318P UPPER BLEND CONTROL BOARD	
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	
1	EA	85089	024.36266.000 2 SPEED BLOWER MOTOR	



**EB Series Electric Furnaces
For Mobile Homes**



- Heat pump and A/C ready
- Built-in insulated coil cabinet
- 4 ton A/C, 3-1/2 ton heat pump blower capacity
- Full sequenced heat to protect home electronics
- Upflow/downflow convertible
- Top/front return air convertible
- Universal throw-away filter cleans the air, and is easy to replace
- Built-in coil cabinet
- Sound absorbing insulation for quieter operation
- Pre-painted white front panels provides an attractive, scratch resistant, easy to clean appliance finish
- Equipped with built-in circuit breakers instead of fuses

Model No.	KW	Output BTU	CFM @.3" W.C.	Dimensions H x W x D (In)	Weight (Lbs)
EB10E	10	34,000	924	51-1/2 x 19-1/2 x 24	83
EB12E	12	39,000	924	51-1/2 x 19-1/2 x 24	84
EB15E	15	51,000	924	51-1/2 x 19-1/2 x 24	85
EB20E	20	67,000	1140	51-1/2 x 19-1/2 x 24	84

Furnaces

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	85060	EB10E 51.5X19.5X24 34,000 BTU REDT ELECTRIC MH FURNACE	
1	EA	85061	EB12E 51.5X19.5X24 39,000 BTU REDT ELECTRIC MH FURNACE	
1	EA	85062	EB15E 51.5X19.5X24 51,000 BTU REDT ELECTRIC MH FURNACE	
1	EA	85063	EB20E 51.5X19.5X24 67,000 BTU REDT ELECTRIC MH FURNACE	

Coil Shelf

1	EA	85064	3500-8941B EB FURNACE COIL SHELF KIT	
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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 threaded 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	

Accessory

1	EA	61531	9902 VENT ADAPTER	
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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	
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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	90	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	61654	7686 LP CONVERSION KIT FOR 40K	
1	EA	61679	7222 LP CONVERSION KIT FOR 55K	
1	EA	61684	7689 LP CONVERSION KIT FOR 62.5K	
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	
1	EA	61610	6703 7DG2W 2 WAY DIFFUSING GRILLE	
1	EA	61620	9808 24" VENT TUBE	

WILLIAMS Forsaire Top-Vent Counterflow Furnaces Natural Gas



- Top-vent models are vented vertically through ceiling and roof.
- Combustion products discharged outdoors through wall vent.
- 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 ceiling to floor.

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	6008532A 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	61679	7688 LP CONVERSION KIT FOR 55K	
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.
- Continuous 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
5002922	50,000	37,500	4	30	32-7/8	16	112
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	61661	5002922 50000BTU 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	61136	8932 LP CONVERSION KIT FOR 35K	
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	
1	EA	61161	8948 650A SERIES LP CONVERSION KIT	

Accessories

1	EA	61140	2102 120V 150 CFM BLOWER KIT	
1	EA	61626	4163 BLACK FLOORBOARD FOR 50K & 65K	
1	EA	61623	4167 BLACK FLOORBOARD FOR 20K & 35K	

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 transfer.
- 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
5001922	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	



For Use with the Following	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
DNV40	1	EA	66157	160994 NAT GAS VALVE	
DNV40	1	EA	66319	230510 MICRO SWITCH	
DNV40	1	EA	66321	230681 MICRO SWITCH	
DNV40	1	EA	66323	231136 MOTOR	
Direct Vent Models	1	EA	66329	231950 FLAME SENSOR PROBE	
DNV25 & 40	1	EA	66328	231959 GLO-BAR	
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; 2101 and 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	
Consoles	1	EA	61943	7135 GAS VALVE REPL KIT	
50M Monterey	1	EA	61944	7137 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	M107087 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	
35M Forsaire TV	1	EA	60056	P309600 LIMIT SWITCH	
50M Monterey SRO (Bat Wing)	1	EA	60045	P320758 CARRYOVER PILOT NAT	
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	
35M, 50M, 65M Forsaire	1	EA	60059	P321900 IGNITION CONTROL	
All Forsaire Mag.	1	EA	60057	P321958 VENT LIMIT SWITCH	
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	
65M Consoles	1	EA	61924	P500118 VENT LIMIT SWITCH FOR 65M	
50M Consoles	1	EA	61913	P500406 VENT LIMIT SWITCH FOR 50M	
35M Consoles	1	EA	61912	P500472 VENT LIMIT SWITCH FOR 35M	

ADAMS Parts and Accessories

MANUFACTURING COMPANY For KAS/EKAS Series Unit Heaters

Use with Model	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
All Prior 1988	1	EA	60715	6318B1 FAN SWITCH	

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	


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	3/4	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. ^d	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	
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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-core^{3™} titanium stabilized aluminized steel primary heat exchanger with extruded aluminum MacroChannel secondary heat exchanger (patent pending).
- New patented T core^{3™} 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 ^d	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 EFFICIENCY 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 EFFICIENCY 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 aluminized 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 Baffles²	(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 natural 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



The EEDU indoor duct furnaces, with 80% thermal efficiency, were developed to provide an annual fuel use improvement of up to 25% when compared with 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.

Features

- Orifices for natural gas
- AC2 models feature 409 stainless steel heat exchanger
- Aluminized steel burners with stainless steel insert
- 120-volt supply voltage
- Factory-installed power venter
- 120-volt limit control
- 24-volt control voltage transformer
- 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	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 natural 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® 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	62592	RZ009892 1/20 HP MOTOR	
	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	RZ014747 REZ RELAY PKG	
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 Series 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	
RPV SPDT	1	EA	62580	RZ097907 SAIL SWITCH RZ043847	
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	
	1	EA	62619	RZ064679 1/4 HP MOTOR	
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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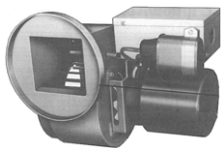
Fits the Following Units	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
F-FE75	1	EA	62453	RZ096379 12" FAN BLADE	
F-FE165	1	EA	62468	RZ096380 FAN BLADE	
F-FE200	1	EA	62469	RZ096381 20" FAN BLADE	
F-FE250	1	EA	62518	RZ096382 22" FAN BLADE	
F-FE400	1	EA	62606	RZ096384 24" FAN BLADE	
F250-300	1	EA	62542	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	RZ097730 FE130-400 VENTER ASSEMBLY	
F130-200	1	EA	62612	RZ018549 RELAY (RZ098118)	
	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/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	62429	RZ103054 TRANSFORMER	
	1	EA	62419	RZ103055 TRANSFORMER	
	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	
TR, TR-H	1	EA	62649	RZ110853 SPARK PILOT ASSY NATURAL GAS	
	1	EA	62457	RZ110861 PILOT KIT	
F-FE25-165	1	EA	62660	RZ112752 BLOCKED VENT SWITCH	
	1	EA	67720	RZ121275 BLOCKED VENT SWITCH	
	1	EA	62642	RZ121598 1/2 IN COMB VALVE	
	1	EA	62219	RZ121599 GAS VALVE	
F & FE200-400	1	EA	62525	RZ123974 FAN CONTROL W/BACKET	
	1	EA	62659	RZ123975 FAN CONTROL W/BACKET	
F & FE	1	EA	62604	RZ123976 FAN CONTROL W/BACKET	
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	
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)	
XL-EEXL250	1	EA	62589	RZ141598 FAN BLADE	
FT30-300	1	EA	62654	RZ147165 FLAME SENSOR	
FT30-300	1	EA	62661	RZ147166 SPARK ELECTRODE	
FT30-300	1	EA	62664	RZ147356 TRANSFORMER	
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	
FT30-125	1	EA	67726	RZ148085 IGNITION CABLE	
F & FT100, 125, 175	1	EA	62437	RZ150155 FAN BLADE	
F & FT100, 125	1	EA	62478	RZ156275 1/2 HP FAN MOTOR	

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Fits the Following Units	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
SC, SCA, SCE Series	1	EA	62051	RZ165986 460 VOLT VENTER MOTOR	
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	
FT/SFT 30-75 Models	1	EA	67723	RZ179315 LP KIT FT/SFT 30-75	
	1	EA	62499	RZ193810 PRESSURE SWITCH (125133)	
FT30-200	1	EA	67725	RZ196362 (RZ148072) PRESSURE SWITCH	
FE & BE	1	EA	62600	RZ196653 PRESSURE SWITCH	
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	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	61946	RZ195573 DSI CONTROL BOARD WITH COOLING	
	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	62216	RZ258251 DSI BOARD FIELD REPLMNT KIT	
	1	EA	62270	RZ112107 PRESSURE SWITCH	
	1	EA	62271	RZ259521 TIME DELAY RELAY	
	1	EA	62286	RZ120048 PILOT ASSEMBLY	
	1	EA	62290	RZ134706 FLAME SENSOR	
	1	EA	62291	RZ121865 HOT SURFACE IGNITOR	
	1	EA	62292	RZ204376 IGNITOR BOARD	
	1	EA	62293	RZ217032 VENTER MOTOR	
	1	EA	62295	RZ271461 FAN MOTOR 115V 1/4HP	
	1	EA	62420	RZ163894 CAPACITOR	
	1	EA	62605	RZ110857 PILOT ASSY	
	1	EA	62643	RZ194805 VENTER MOTOR CLIP	
	1	EA	62655	RZ149160 VENTER MOTOR/WHEEL ASSEMBLY	
	1	EA	62975	RZ195680 FAN BLADE	
	1	EA	62976	RZ135979 VENTER WHEEL	
	1	EA	62977	RZ201158 PRESSURE SWITCH 1.10WC	
	1	EA	62978	RZ195682 FAN BLADE 20"	
	1	EA	62979	RZ209411 VENTOR MOTOR/WHEEL ASSY	

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. These venters are designed for and may only be installed on the Reznor equipment listed at right.

Use Venters with the Following Models

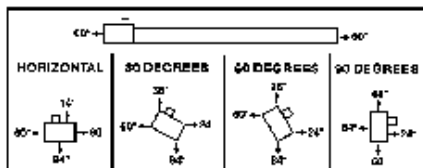
- Duct Furnaces: X/DX/HX, CX/HCX
- Packaged Duct Furnaces and Blower: XE/HXE, CXE/HCXE
- Fan-Type Unit Heaters: XL/CXL
- Blower Type Unit Heaters: XLB/CXLB

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	



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 ignition.
- 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



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 RFPA21	1	EA	62307	41337000 BARRIER GUARD RING KIT	
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 Premier Schwank 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 output
- 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	



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

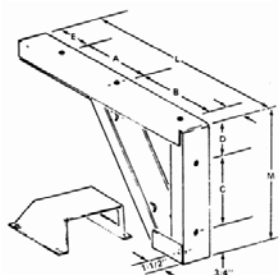
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88529	ECOSCHWANK 10 35,000 BTU HIGH INTENSITY HEATER	
1	EA	88530	ECOSCHWANK 13 50,000 BTU HIGH INTENSITY HEATER	
1	EA	88531	ECOSCHWANK 18 71,500 BTU HIGH INTENSITY HEATER	
1	EA	88532	ECOSCHWANK 26 100,000 BTU HIGH INTENSITY HEATER	

Accessories

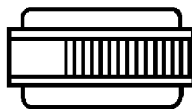
1	EA	88533	JL-0776-XX 40 VA TRANSFORMER FOR LUMINOUS	
1	EA	88534	JM-0300-XX RELAY FOR LUMINOUS	

QMARK® MUH Series Unit Heaters

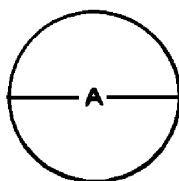
Horizontal/Downflow



MMB Bracket



Air Flow Pattern



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 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.

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"

Model No.	Volts	Phase	kW	BTU/Hr.	Amps	Dimensions (In.) H x W x D	Max. Mounting Ht. (Ft.)		Air Flow Area** "A" (In.)
							Horizontal	Vertical	
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 15 KW 240V	1	EA	63726	3900-0361-500 208/230VOLT MOTOR	
MUH-07-10-15-20	1	EA	63731	4520-0011-001 HIGH LIMIT	

QMARK® 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	

QMARK® 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

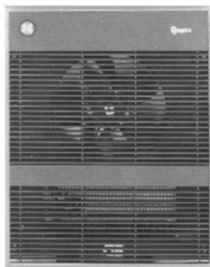


A 4,500 watt, 1 phase heater. Designed for heavy-duty spot heating or total heating applications. Mounting brackets are included with each heater. Heater can be washed down after being disconnected.

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/F Series Architectural Wall Heaters

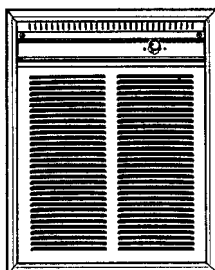


- For use in commercial and industrial areas requiring high capacity and quick heat recovery
- Fan-forces metal sheath with integral tamper-resistant thermostat and disconnect switch
- Built-in fan delay switch energizes fan motor only after elements are heated to prevent discharge of unheated air
- 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	63845	AWH4404 3000/4000WATT WALL HEATER	
1	EA	63739	4101-68-002 THERMOSTAT	
1	EA	63848	AWHSM SURFACE MTG FRAME	



CWHF Series Wall Heaters Fan-Forced

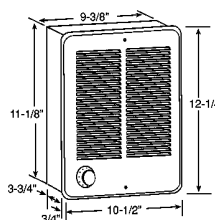


- For use in attics, basements, entryways, large rooms, offices, and remodels.
 - Motor has permanently lubricated bearings.
 - Element has automatic reset, primary thermal protector with "one-shot" back-up protection.
 - 65 cfm downflow air pattern.
 - 18 ga. louvered steel grille
 - Wires with standard 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
- NOTE:** 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	



CRA Series Wall Heaters Residential 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

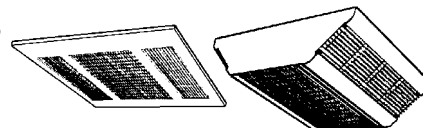
Do not install back box closer than 4.5 inches from floor, adjacent walls, and 12 inches from ceiling. Do not install heater in closet, or where airflow may be obstructed. To insure proper operation, maintain 5-foot minimum clearance to furniture or other objects placed directly in front of the heater.

Amps	Volts	Watts	BTU/HR	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12.5	120	1500	5118	1	EA	63833	CRA1512T2 1500W 120VOLT HEATER	
8.3/7.2	240/208	2000/1500	6824/5118	1	EA	63834	CRA2024T2 2000W 240VOLT HEATER	



CDF 500 Series Ceiling Mount Heaters

Prices and Availability Upon Request



Recessed Mount

Surface Mount

These ceiling mounted, downflow heaters are designed for commercial and industrial areas requiring electric fan-forced heat.

The design and capacities of 2000 to 5000 watts makes them ideal for use in workshops, hallways, restrooms, and entryways.

Model	Mounting	KW	BTU/Hr. (000)	Volts	Phase	Amps	CFM	° F D T
CDF-548	Heater	4/3/2	13.7/10.2/6.8	208	1-3	19.2/14.4/9.6	283	51
CDF-542	Section			240	1-3	16.7/12.5/8.3		
CDF-547	Only			277	1	14.4/10.8/7.2		
CDF-558	Heater	5/3.8/2.5	17.1/13.0/8.5	208	1-3	24.0/18.3/12.0	396	45
CDF-552	Section			240	1-3	20.8/15.8/10.4		
CDF-557	Only			277	1	18.1/13.7/9.0		
CDF-SE	Surface mounting enclosure only, to be used with above heater sections. Dimensions: 20" L x 16-1/2" W x 5-3/4" D.							
CDF-RE	Recess mounting enclosure only, to be used with above heater sections. Dimensions: 23-3/4" L x 23-3/4" W x 7" D.							



MUH35 Powerhouse Heater



- Mounts either on the wall or from the ceiling; for primary or spot heating. For use in factories, garages, schools, etc.
- Multiple wattage heat selector.
- Built-in, bi-metal thermostat with a range of 40° to 90° F.
- U.L. 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
- U.L. Listed

Volts	Watts	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
120	1300/1500	1	EA	63843	MMHD1502T/PT-771 PORTABLE HEATER	

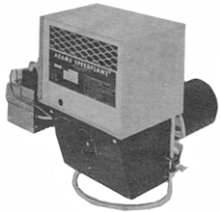


Gas Conversion Burners Accessories and Parts

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
P265	1	EA	61820	60172-002 MOTOR AND BLOWER ASSY	

ADAMS HP400B Power Gas Conversion Burner

MANUFACTURING COMPANY



- 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

HP400B Burner

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61803	HP400B 8" NAT BURNER W/SLEEVE	

Motor Blower Assembly

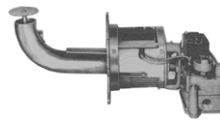
1	EA	61774	7586-2A MOTOR BLOWER ASSY	
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ADAMS HA300 and HU300 Gas Conversion Burners

MANUFACTURING COMPANY



HA-300 Inshot 300,000 BTU



HU-300 Upshot 300,000 BTU

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	61790	HA-300 NAT BURNER W/ADJ ORIFICE	
1	EA	61791	HU-300 NAT BURNER W/ADJ ORIFICE	

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
Fresh Air Ventilation.....	9 - 35

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	
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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	

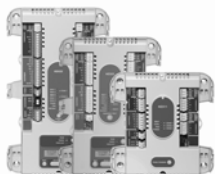
Honeywell TAZ-4 TotalZone® Zone Control Panel

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) HZ322 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 circulating air in HVAC systems and used when a normally-open damper is required. The ZD is typically used with the 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.

Ordering Instructions

Dimension 1 x Dimension 2.

Motor is always mounted on dimension 2 side.

- 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.



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 compatibility 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 ZONING DAMPER	
1	EA	78823	RRD6/U 6 INCH ROUND RETROFIT ZONING DAMPER	
1	EA	78824	RRD7/U 7 INCH ROUND RETROFIT ZONING DAMPER	
1	EA	78825	RRD8/U 8 INCH ROUND RETROFIT ZONING DAMPER	

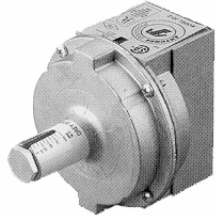
Honeywell Modulating Dampers and Static Pressure Control



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	
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Honeywell Zone System Parts and Accessories



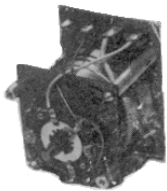
FPC

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 Motor Switch Terminal Assembly

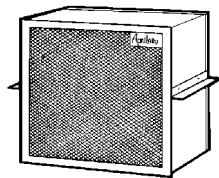
Replacement motor for AOBD, AOBD-BM, and IOBD dampers. MSTN includes the motor assembly and an allen wrench for fast, easy replacement.



MSTN

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	

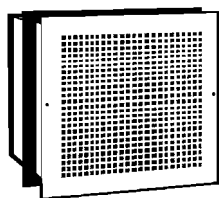
Aprilaire® 350 & 360 Self-Contained Humidifiers



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			

Aprilaire® 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 humidifier 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.

Model 850 Fan Pack

- Used with the 800 humidifier to disperse humidity in applications without ductwork.
- On call for humidity the 800 provides power to the Fan Pack and the Fan Pack blower distributes the steam to the room.
- Stainless steel dispersion chamber.
- Noise dampening housing liner.
- Ultra quiet fan.

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		27
208V	20.5	11.5	2.4		27
	30.0	16.0	3.3		27
540V	23.3	11.5	2.8		27
	34.6	16.0	3.8		27

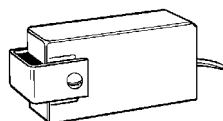
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
1	EA	70054	865 RESIDENTIAL STEAM HUMIDIFIER WITH MODEL 850 FAN PACK			
1	EA	70048	800 STEAM HUMIDIFIER WITH AUTOMATIC DIGITAL CONTROL			
4	EA	70053	850 FAN PACK FOR 800 STEAM HUMIDIFIER			
6	EA	70049	80 REPLACEMENT STEAM CANISTER MODEL 800			

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			

ADAMS 50 & 51 Current Sensing Relays

MANUFACTURING COMPANY



Model 50

For interfacing Aprilaire humidifiers with heat pumps and furnaces with multi-speed blower motors. This relay eliminates the need for alternative interfacing equipment such as sail switches, pressure switches, relays, and temperature switches. No need for line voltage wiring.

Model 51

To interface electronic air cleaners with all types of forced warm air furnaces and air conditioning quickly, easily and inexpensively.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	41626	50 (A50) ELECTRONIC RELAY 24V	
1	EA	41627	51 (A51) SENSING RELAY 115V	

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	
550, 558	1	EA	41668	4226 FEED TUBE WITH COMPRESSION SLEEVE	
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	
110, 112, 350, 360, 445, 1120, 1130, 1140	1	EA	41646	4258 120V HUMIDIFIER CONTROL	
560, 568	1	EA	41685	4266 FEED TUBE WITH COMPRESSION SLEEVE	
560, 568	1	EA	41663	4277 WATER DISTRIBUTION TRAY	
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	
700A, 700M	1	EA	41730	4740 RELAY	
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	

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			
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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, 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	

GENERALAire 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			

GENERALAire 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.

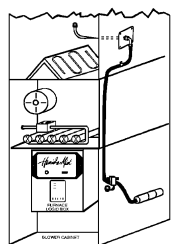

Evaporator Elements and Humidifier Parts
Evaporator Elements

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN	PC-3 4 CTNS
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 REPLACEMENT STEAM CYLINDER FOR DS25LC	
81	1	EA	45685	81-4 WATER PAN	
65; 81	1	EA	45690	81-21 FLOAT VALVE ASSEMBLY	
81	1	EA	45691	81-22 DRUM ASSEMBLY	
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	
709, -L, -LH; 1099, -L, -LH; 1137-R; 1040, -L; 1042, -L, -LH	1	EA	45652	975-33 PUMP MOTOR	
709, -L, -LH; 1040, -L	200	FT	45671	990-31 DRAIN TUBE	
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 24V SOLENOID VALVE	
1000	1	EA	45718	GA4045 24V SOLENOID VALVE W/HARNES	
500, 550, 570, 600, 900, 1000	12	EA	45721	GA4231 YELLOW ORIFICE	
	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	
709, -L, -LH; 1099, -L, -LH; 1137; 1042, -L, -LH	1	EA	45654	P103-104-111 CONNECTOR FITTINGS	
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	



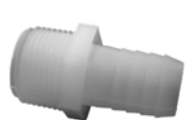
Universal Humidifier Solenoid

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	
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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.

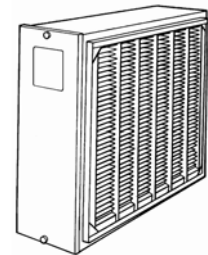
- Carbon filters that remove gaseous odors
- Dual indicator lights show unit operation at a glance
- Electronic air proving switch cycles air cleaner on/off with system fan

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-PP

MAC Series Features

- Removes airborne particulates as small as 0.04 microns
- Hydrophobic (resists moisture) filter media
- 10 year warranty



MAC2000, 2020,
MAC1400, 1200



MAC2400G
MAC3000G



MAC-L

MAC2400G and MAC 3000G
Galvanized cabinet with "lift & tilt" metal door

MAC 1200, 1400, 2020, 2000,
Thermoplastic "snap action" molded 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 across bottom. Especially ideal for high efficiency furnaces, where side returns require more installation time and are inefficient 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	40005	MAC2020 4530 20X20X7 MERV 10 MEDIA AIR CLEANER			
1	EA	40004	MAC2000 4500 20X25X7 MERV 10 MEGA MAC 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	
MAC1400, 2400, -PP	3	EA	45692	6FM1625 4541 MERV11 REPLACEMENT MEDIA FOR MAC1400 & 2400	
MAC2000, 3000G, -L, -PP	3	EA	45739	6FM2025 4551 20X25X5 MERV 11 MEDIA FOR MAC 3000G, 2000, -L	

Aprilaire® 1000 Media Air Cleaners

MERV 11



- 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
- MERV 11 media permanently traps up to 85% of pollen-sized particles (5.0 microns)
- MERV 11 media permanently traps up to 80% of mold and spore-sized particles (3.0 microns)
- MERV 11 media permanently traps 50% of respirable dust particles (1.0 to 3.0 microns)

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.)
1210	25.38 x 22.06 x 6.75	19.75 x 21.19	31.4	.04 @ 600 .06 @ 800 .08 @ 1000 .11 @ 1200	.13 @ 1400 .16 @ 1600 .19 @ 1800 .22 @ 2000	18
1410	28.06 x 17.75 x 6.75	15.44 x 23.88	28.3	.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	28.73 x 23.88	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
1610	28.25 x 17.8 x 15.7	Duct Opening		28.3	.05 @ 60 .07 @ 800 .09 @ 1000 .12 @ 1200	.15 @ 1400 .19 @ 1600 .22 @ 1800 .27 @ 2000
		Inlet (H x W)	Outlet (H x W)			
		24.1 x (8.1 to 10.1)	15.2 x 22			22

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				
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				
8	EA	41413	210 MERV11 20X25 REPLACEMENT MEDIA FOR 1210				
8	EA	41414	410 MERV11 16X25 REPLACEMENT MEDIA FOR 1410				

Aprilaire® 2000 Media Air Cleaners

MERV 13



Permanently traps and removes 93% of pollen-sized particles and 91% of mold and spore-sized particles.

Model No.	Outside Dimensions D x H x W (In.)	Duct Opening H x W (In.)	Filtering Area (Sq. Ft.)	Capacity 600-1600 CFM Resistance (In.) W.C.	
2210	25.38 x 22.06 x 6.75	Discharge: 19.75 x 21.19 Inlet: 19.75 x 21.19	31.4	.06 @ 600	.20 @ 1400
				.09 @ 800	.25 @ 1600
				.12 @ 1000	.30 @ 1800
				.16 @ 1200	.35 @ 2000
2410	28.06 x 17.75 x 6.75	Discharge: 15.44 x 23.88 Inlet: 15.44 x 23.88	28.3	.06 @ 600	.22 @ 1400
				.09 @ 800	.26 @ 1600
				.13 @ 1000	.31 @ 1800
				.17 @ 1200	.37 @ 2000

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	41409	2210 MERV13 20X25 2000 SERIES MEDIA AIR CLEANER				
20	EA	41410	2410 MERV13 16X25 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	
2600	10	EA	41306	261 AIR CLEANER MEDIA 2600	
2400	10	EA	41307	401 AIR CLEANER MEDIA 2400	
2410, 4400	8	EA	41317	413 MERV13 REPLACEMENT MEDIA FILTER FOR 4400 & 2410	
2200, 2250, 2600	5	EA	41311	4119/4120 PLEAT SPACER	
2200, 2250	1	EA	41312	4121 HOLDING BRACKET	
2400	6	EA	41313	4270 PLEAT SPACERS	
2275	10	EA	41325	275 SPACE-GARD 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	
2400	1	EA	41732	4347 2400 DOOR WITH SEAL	
2200	1	EA	70014	4344 2200 DOOR WITH SEAL	
2200	12	EA	78095	POPUP2200/U RP 2200 MEDIA REPLACEMENT FILTER	
2400	12	EA	78096	POPUP2400/U RP 2400 MEDIA REPLACEMENT FILTER	
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	

Aprilaire® 3000 Media Air Cleaners

MERV 13



- 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 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.)
3210	25.38 x 22.06 x 6.75	19.75 x 21.19	31.4	.06 @ 600	.20 @ 1400	18.6
				.09 @ 800	.25 @ 1600	
				.12 @ 1000	.30 @ 1800	
				.16 @ 1200	.35 @ 2000	
3410	28.06 x 17.75 x 6.75	15.44 x 23.88	28.8	.06 @ 600	.22 @ 1400	17.6
				.09 @ 800	.26 @ 1600	
				.13 @ 1000	.31 @ 1800	
				.17 @ 1200	.37 @ 2000	

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				

Aprilaire® 4000 Media Air Cleaners

MERV 13



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	18.5	18.6
				.25 @ 1600		
				.30 @ 1800		
				.35 @ 2000		
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	17.6	17.6
				.26 @ 1600		
				.31 @ 1800		
				.37 @ 1800		

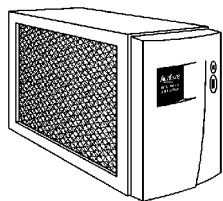
Media Air Cleaners

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 MEDIA REPLACEMENT FILTER FOR 4200 & 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 micro fiber 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	41793	4310 5000 POWER PACK/DOOR ASSBLY	
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	



Residential Air Cleaner Filters

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	63219	134516-006 OUTPUT VOLT LED ASSY	
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	63219	134516-006 OUTPUT VOLT LED ASSY	
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	
1	EA	63323	441729-104 ION COLLECTING CELL	

Parts for Trim TX

1	EA	63223	123324-008 16IN X 25IN PRE-FILTER	
1	EA	63219	134516-006 OUTPUT VOLT LED ASSY	
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	63219	134516-006 OUTPUT VOLT LED ASSY	
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	63219	134516-006 OUTPUT VOLT LED ASSY	
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 airborne 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



- High efficiency media filter captures particles as small as 0.3 micron.
- Applicable to all gas, oil, and electric forced warm air furnaces and to compressor cooling up to 5 tons.
- Mounts in the return air duct.
- Mounts in any position.

Efficiency Ratings: Based on ASHRAE Standard 52.2-1999.

Initial Efficiency: 15% (0.3 micron particles).

MERV: 8 at 492 fpm.

Initial Pressure Drop: 0.177 in. wc at 492 fpm.

Model No.	Rated Airflow	Dimensions (H x D x W)	Media Size (H x D x W)
F100F2028	1200	16-3/16 x 20-1/2 x 6-3/4	14-7/16 x 18-1/4 x 5-1/8
F100F2002	1400	16-3/16 x 25-1/2 x 6-3/4	14-7/16 x 23-1/4 x 5-1/8
F100F2036	1400	20-3/16 x 20-1/2 x 6-3/4	18-7/16 x 18-1/4 x 5-1/8
F100F2010	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	78087	F100F2028/U 16X20 MEDIA AIR CLEANER	
5	EA	78089	F100F2002/U 16X25 MEDIA AIR CLEANER	
5	EA	78088	F100F2036/U 20X20 MEDIA AIR CLEANER	
5	EA	78090	F100F2010/U 20X25 MEDIA AIR CLEANER	

Replacement Filters MERV 10

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	FC100A 1045 21 1/2 X 27 1/2 FILTER FOR F100F/F150E		

Replacement Filters MERV 11

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
12	EA	78094	POPUP1620 16 X 20 MEDIA REPLACEMENT FILTER		
12	EA	78093	POPUP1625/U 16 X 25 MEDIA REPLACEMENT FILTER		
12	EA	78092	POPUP2020 20 X 20 MEDIA REPLACEMENT FILTER		
12	EA	78091	POPUP2025/U 20 X 25 MEDIA REPLACEMENT FILTER		



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 F200E Replacement Filters

MERV 10

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

12	EA	78094	POPOP1620/U 16 X 20 MEDIA REPLACEMENT FILTER		
12	EA	78093	POPOP1625/U 16 X 25 MEDIA REPLACEMENT FILTER		
12	EA	78092	POPOP2020/U 20 X 20 MEDIA REPLACEMENT FILTER		
12	EA	78091	POPOP2025/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 accommodate air flow switch.)

c For Series 2 Air Cleaners.

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

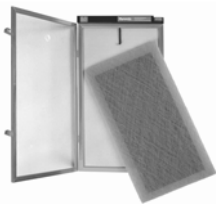
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
3	EA	77936	FR1000M-108 MERV 8 16IN X 20IN X 4IN MEDIA REPLACEMENT FILTER	
3	EA	77937	FR1400M-108 MERV 8 16IN X 25IN X 4IN MEDIA REPLACEMENT FILTER	
3	EA	77938	FR1600M-108 MERV 8 20IN X 20IN X 4IN MEDIA REPLACEMENT FILTER	
3	EA	77939	FR2000M-108 MERV 8 20IN 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	



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 filter 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[®] 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		

GENERALAire UV Air Purifiers



GUUV100A83

GUUV100A83 UV Air Purifier

Features the H-lamp which is rated at 180 uW/cm²@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	GUUV100A83 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	40022	AGL36 24V GERMICIDAL REPLACEMENT LAMP ONLY FOR MS24	
1	EA	40027	AGL36OZ SWEETSHOT REPLACEMENT LAMP ONLY FOR MS24OZ	
1	EA	40024	GA3501 50VA 120/208/240V PRIMARY TO 24V MULTI-MOUNT TRANSFORMER	
1	EA	40017	HOTC-1 120/240V 120/240V REGULATING ELECTRONIC BALLAST FOR PCO2450	
1	EA	40016	LT-50 UVC 50W 18IN REPLACEMENT GERMICIDAL LAMP PCO2450	
1	EA	40019	LSK36-UVC16HC 16IN 36W REPLACEMENT LAMP FOR GUUV100A83 & GUUV25403A	
1	EA	40023	AG2436 REGULATING ELECTRONIC BALLAST FOR MS24/MS24OZ	

GENERALAire TERSus 2000 Technology Air Cleaner

Removes Particulates, Germs, and Gases



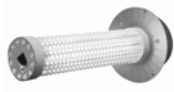
The TERSus 2000 treats all three categories of indoor air pollution.

- 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	

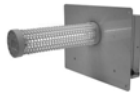
RGF Environmental Group, Inc. **Air Purification System**



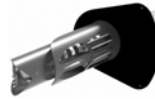
HVAC-PHI-212-24



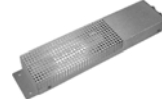
QRP-9



LC-14HO



REME-Halo



HVAC-Mini



IMS-B-16



PIP-16-GA

Guardian Air HVAC Cell (HVAC-PHI-212)

- Advanced oxidizers destroy pollutants at the source
- Installed in HVAC duct or plenum
- Ions distributed through air handler
- 24 VAC, 1,000 to 6,500 CFM

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

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 distributed through air handler
- 12 VDC input, 100–240 VAC switching power supply
- 250 to 6,500 CFM

Guardian Air ICE (IMS-B-16)

- Ice machine bacteria, virus, and odor abatement system
- Controls: indicator light, on/off switch
- 110 V, 60 Hz, 1 Amp

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	76214	HVAC-PHI-212-24 9IN 24V PHIL CELL	
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	
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	
18 H x 4 W x 4 D	1	EA	76202	IMS-B-16 DUAL PORT ICE MACHINE PHI CELL UNIT	
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	



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	

Aprilaire® 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	

Aprilaire® 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 Transformer.
- 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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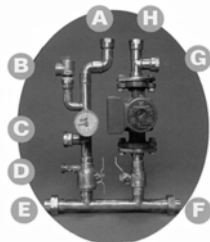
Buderus GB142 Wall-Hung, Gas-Fired, Condensing Boilers

Intelligent Heating Residential, Hot Water



The GB142 is designed with a state-of-the-art aluminum heat exchanger and integrated controls. Utilizing advanced condensing technology, the Buderus GB142 Wall-Hung Heater maximizes the heating value of every cubic foot of natural gas or propane. Its small size and minimal clearance requirements provide tremendous installation flexibility.

The included prefabricated manifold is specially designed with an appropriately sized 3-speed circulator, to ensure proper flow-rate through the heater. By simplifying the piping, the GB142 manifold allows for quicker, easier, and trouble-free installation. Every GB142 includes the RC10 room comfort controller and DHW sensor for control of an indirect DHW tank. The GB142 is approved for PVC venting.



GB142 Manifold included with each model.

Inside view:

- A: Heater Out
- B: Relief Valve
- C: DHW Supply
- D: Purge
- E: System Supply
- F: System Return
- G: DHW Return
- H: Heater In

Model No.*	Input BTUH	Output BTUH		Rated Efficiency**	Boiler Dimensions			Weight (Lbs.)
		176°/140°F	122°/86°F		Height (In.)	Width (In.)	Depth (In.)	
GB142/24	84,800	22,700-75,200	25,300-83,300	98%	28	22	18-3/4	110
GB142/30	106,000	28,100-91,500	30,700-102,400	97%	28	22	18-3/4	110
GB142/45	160,900	42,500-142,000	47,200-158,000	98%	28	35-1/2	18-3/4	143
GB142/60*	214,800	56,800-198,800	63,200-211,600	99%	28	35-1/2	18-3/4	158

* LP kits included with /24, /30, and /45 Models. GB142/60 ONLY available in natural gas.

** Efficiency based on 86° return temperature.

Wall-Hung Condensing Gas Heaters

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	68027	GB142/24 84,800BTU WALL HUNG HEATER 2 CTNS
1	EA	68029	GB142/30 106,000BTU WALL HUNG HEATER 2 CTNS
1	EA	68031	GB142/45 160,900BTU WALL HUNG HEATER 2 CTNS
1	EA	68052	GB142/60 214,000BTU WALL HUNG HEATER 2 CTNS

Propylene Glycol (For Aluminum Cast Block Boilers)

1	EA	95933	35283 5 GAL CRYO-TEK-100AL PROPYLENE GLYCOL
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Buderus GA124/GA244 Gas-Fired, Sealed Combustion Boilers

Intelligent Heating Residential, Hot Water



GA124

The GA124 is constructed of flexible GL-180M cast iron, is designed to resist thermal shock, and has a high silicone cast iron surface for excellent corrosion resistance. The GA124 features premixed burner technology for low emissions and a reduced footprint for tight spaces. Suitable for installation on combustible flooring.

Standard equipment includes stainless steel burner, factory assembled and wired boiler, all Honeywell controls, slow opening gas valve, and 3" insulated jacket. Concentric termination body is included for horizontal sealed combustion or direct vent application.



GA244

The GA-244 Series Sealed Combustion Gas-Fired Boiler has the same features as the GA-124 model except no circulator is included.

- The standard B-Kit includes:
- 20 lb. relief valve
- Boiler drain.
- AGA/CGA certified

The standard B-Kit (shipped inside boiler carton) includes:

- 2 piece manifold 1"
- 30 lb. relief valve
- Tridicator
- 3/4" ball valve drain
- 3/4" black coupling
- 4 boiler feet
- 3/4" str. 90
- AGA/CGA certified

Model No.	BTU Input BTU/HR	DOE Heating Capacity BTU/HR	I=B=R Net BTU/HR	Vent Size (In.)	AFUE Eff. %	Aprox. Shipping Weight (Lbs.)
GA124-17	70,000	59,000	51,000	3	85.2	225
GA124-23	94,000	79,000	69,000	3	85.1	280
GA124-30	123,000	104,000	90,000	3	85.0	335
GA244-37	156,000	128,000	111,000	3	85.0	635
GA244-44	182,000	148,000	129,000	3	85.0	635
GA244-62	259,000	212,000	164,000	4	84.6	772

NOTE Models are intermittent ignition. Use 3" approved AL29-4C stainless steel vent pipe except use 4" on GA-244-62 model.

Sealed Combustion Water Boilers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	68221	GA-124-17 NAT EI SEALED COMBUSTION WTR BOILER W/ PUMP
1	EA	68222	GA-124-23 NAT EI SEALED COMBUSTION WTR BOILER W/ PUMP
1	EA	68223	GA-124-30 NAT EI SEALED COMBUSTION WTR BOILER W/ PUMP
1	EA	68224	GA-244-37 NAT EI SEALED COMBUSTION WTR BOILER L/PUMP
1	EA	68247	GA-244-44 NAT EI SEALED COMBUSTION WTR BOILER L/PUMP
1	EA	68659	GA-244-62 NAT EI SEALED COMBUSTION WTR BOILER L/PUMP

LP Conversion Kits for GA124 Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68068	GA12417P85 LP CONVERSION KIT	
1	EA	68093	GA12423P85 LP CONVERSION KIT	
1	EA	68094	GA12430P85 LP CONVERSION KIT	

Buderus G334X Gas-Fired Boilers

Intelligent Heating

Large Residential/Light Commercial, Hot Water



The G334X features staggered contoured fins for optimum heat transfer and low emissions with premixed burner technology.

- Stainless steel burners
- 3.5" of thermal insulation
- Easily converts to propane
- Use Logamatic 2107 control

The standard B-Kit includes:

- 30 lb. relief valve
- Boiler drain

AGA/CGA certified.

Model No.	BTU Input BTU/HR	DOE Heating Capacity BTU/HR	I=B=R Net BTU/HR	Vent Size (In.)	Combustion Efficiency	Approx. Shipping Weight (Lbs.)
G334X-73	301,000	249,000	217,000	8	82.7	758
G334X-92	378,000	314,000	273,000	9	83.1	930
G334X-116	476,000	396,000	344,000	10	83.2	1,093
G334X-132	541,000	451,000	392,000	10	83.2	1,265

NOTE: Models are intermittent ignition, two-stage firing capability.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	68208	G-334X-73 NAT EI WTR BOILER L/PUMP & DAMPER
1	EA	68209	G-334X-92 NAT EI WTR BOILER L/PUMP & DAMPER
1	EA	68210	G-334X-116 NAT EI WTR BOILER L/PUMP & DAMPER 3 CTNS
1	EA	68211	G-334X-132 NAT EI WTR BOILER L/PUMP & DAMPER 3 CTNS

Buderus G234X Gas-Fired Boilers

Intelligent Heating

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 Burner Technology 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-38	160,000	130,000	113,000	7	84	487
G234X-45	187,000	154,000	134,000	7	84	487
G234X-55	228,000	188,000	163,000	7	84	562
G234X-64	266,000	219,000	190,000	8	84	684

NOTE: Models are intermittent ignition, single-stage.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	68204	G-234X-38 NAT EI WTR BOILER L/PUMP W/DAMPER
1	EA	68205	G-234X-45 NAT EI WTR BOILER L/PUMP W/DAMPER
1	EA	68206	G-234X-55 NAT EI WTR BOILER L/PUMP W/DAMPER
1	EA	68207	G-234X-64 NAT EI WTR BOILER L/PUMP W/DAMPER

Buderus GC124 Gas-Fired Boilers

Intelligent Heating 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
GC124-4	103,000	87,000	74,000	5	85	287
GC124-5	132,500	112,000	96,000	6	85	349.5

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	65095	GC124-3II NAT EI WTR BOILER W/PUMP & DAMPER
1	EA	65096	GC124-4II NAT EI WTR BOILER W/PUMP & DAMPER
1	EA	65097	GC124-5II NAT EI WTR BOILER W/PUMP & DAMPER

Buderus Domestic Hot Water Tanks

Intelligent Heating Horizontal, Single-Coil



Buderus domestic hot water tanks make hot water constantly available at the turn of a tap. The interior of the tank remains free of corrosion caused by most types of water by a permanent, protective coating. Hot water temperature is better maintained by use of 3-1/2" foam insulation.

The tank features thermoglaized tank interiors with large diameter rolled steel welded coils, CFC-free insulation, magnesium anode rod, and P & T valve 200 F, 150 PSI. Tanks are not ASME rated.

For Use with Buderus GC124 Boiler Models Only

Prices Available on Request

Height and Width (In.)	Length (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25-3/4	36-1/4	1	EA	68393	LT-160 42 GAL HORIZ HOT WATER TANK	
25-3/4	42-7/16	1	EA	68197	L-200 53 GAL HORIZ HOT WATER TANK	

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 SM Thermoglaze® Water Tanks

Intelligent Heating **Vertical, Dual Coil**



- For solar and high performance applications
- Two internal coils for connection to two heat sources such as one solar thermal system and one boiler
- Magnesium anode rods for extended tank life
- Large easy cleanout port for easy service

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.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	67242	SM-300 79 GAL VERT HOT WATER/SOLAR TANK
1	EA	88699	SM80 79 GALLON DUAL COIL DHW INDIRECT TANK

Buderus R2107 Logamatic Control System

Intelligent Heating



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 Boiler Parts

Intelligent Heating

Used On	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
G124X, G234X, G334X	1	EA	68186	471336 FLAME ROLL-OUT SWITCH	
G234X, G334X	1	EA	68182	5181870 (VR8304H 4206) GAS VALVE	
G124X, G234X, G334X	1	EA	68185	7079498 BLOCKED VENT SWITCH	
G334X	12	EA	70565	L4006A1678/U AQUASTAT	
G124X	1	EA	68390	L7148F 1075 AQUASTAT	
G124X, G234X	1	EA	68184	L8148E 1281 AQUASTAT	
G124X II, G234X, G334X	1	EA	68183	Q3451E 7103 PILOT ASSEMBLY	
G124X, G234X, G334X, GA124	1	EA	68187	S8600H 3002 (S8600H 1006) SPARK IGNITION MODULE	
G124X SP	1	EA	68188	SG124XPS PILOT ASSEMBLY	
G124X SP	1	EA	68181	VR8200H 1004 GAS VALVE	
G124X II, GA124	12	EA	73946	VR8204H1006/U GAS VALVE	

Buderus Parts for GB142 Wall-Hung, Condensing Boilers

Intelligent Heating

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	68070	7096475 EXHAUST OUTLET GASKET	
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	
1	EA	68090	7098848 CLAMP F/COND COLLECTOR	
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	
2	EA	68164	7099039 LEFT CASING LATCH	
5	EA	68167	7099058 SEAL F/AIR INTAKE FAN	
5	EA	68169	7099059 GAS CONNECTION SEAL	
1	EA	68170	7099707 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	75978 CONDENSATE TRAP	
1	EA	68101	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	



Series 8H/E Gas-Fired Boilers Water, Cast Iron Heat Exchanger



The features and efficiency of the 8HE boiler make it ideal for single and multiple boiler applications. Offering space heating, or a combination of heating and domestic hot water, the Series 8HE has a compact design which easily adapts to existing piping arrangements, boiler room requirements, and system heating needs.

- Factory assembled block
- Deluxe jacket with 3-inch insulation
- 100% shut-off gas controls
- 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 Gas-Fired, Condensing Boilers

Water, Stainless Steel Heat Exchanger



- 96% AFUE
- Sizes 80–210 are wall/floor mounted
- Sizes 285–500 are floor mount only
- Natural/LP gas
- Stainless steel heat exchanger
- Includes vent kit
- Sealed combustion
- Full modulation, 5:1 turndown
- Factory assembled and wired
- Sage 2.1 boiler control with touchscreen display
- Circulator included for sizes 80–285
- 80 PSI MAWP (30# PRV on 80–285, 50 # PRV on 399 and 500)
- Suitable for use on combustible flooring, not for installation on carpet
- 5-year parts and labor warranty for all models under 300 MBH

Model No.	Maximum Input (MBH)	Minimum Input (MBH)	DOE Heating Capacity (MBH)*	I=B=R Net Ratings (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 (1)	328	94 (2)	4	4	304

(1) Gross Output. (2) Thermal efficiency

Prices Available on Request

STD PKG	BERCOR NUMBER	U/M	DESCRIPTION
1	62272	EA	ALP080F-2G02 80,000 BTUH ALPINE BOILER W/PUMP
1	62273	EA	ALP105F-2G02 105,000 BTUH ALPINE BOILER W/PUMP
1	62274	EA	ALP150F-2G02 150,000 BTUH ALPINE BOILER W/PUMP
1	62275	EA	ALP210F-2G02 210,000 BTUH ALPINE BOILER W/PUMP
1	62276	EA	ALP285F-2G02 285,000 BTUH ALPINE BOILER W/PUMP
1	62280	EA	ALP399AF-2L07 399,000 BTUH ALPINE BOILER



APX-525 Ultra High Efficiency Boiler

Water, Stainless Steel, Heat Exchanger



- 95% thermal efficiency
- Stainless steel heat exchanger
- Full modulation, 5:1 turndown
- Touch screen LCD display
- Stackable design
- Variable speed combustion blower
- Supply and return temperature sensors
- Flue gas temperature sensor
- Outdoor air temperature sensors
- Condensate trap
- Sealed control compartment
- Negative pressure lower cabinet
- Sage 2.1 boiler control
- Built-in diagnostics
- Multiple boiler lead-lag for up to 8 units
- Domestic hot water priority
- 3 separate circulator outputs
- Building Management System (BMS) compatible

Model No.	Ratings				Thermal Efficiency (%)	Water Content (Gal)	Heat Transfer Area (Sq. Ft.)	Gas Conn. (In. NPT)	Supply & Return Conn. (In. NPT)	Intake/ Vent Diameter (In)	Approx. Shipping Weight (Lbs.)
	Min. Input (MBH)	Max. Input (MBH)	Gross Output (MBH)	Net Rating (MBH)							
APX525	100	500	475	413	95	4.2	50.8	3/4	1-1/2	4	350
APX425*	80	399	375	326	94.1	3.4	41.8	3/4	1-1/2	4	304
APX625*	125	625	594	517	95	5.5	76.2	1	2	6	455
APX725*	145	725	689	599	95	5.5	76.2	1	2	6	455
APX825*	160	800	760	661	95	5.0	65.3	1	2	6	430

* Non-stock.

Prices Available Upon Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	87448	APX-525 500 MBH INPUT APEX CONDENSING BOILER



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)
K2-080	93	16/80	74	64	2 or 3	29 x 17 x 16-3/16	149
K2-100	93	20/100	92	80	2 or 3	29 x 17 x 16-3/16	158
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
K2-180	93	36/180	167	145	3	29 x 17 x 20-3/16	188

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	87436	K2-080A-2G02 80,000 BTUH K2 BOILER WALL MOUNT
1	EA	87437	K2-100A-2G02 100,000 BTUH K2 BOILER WALL MOUNT
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
1	EA	87440	K2-180A-2G02 180,000 BTUH K2 BOILER WALL MOUNT



Series PVG Gas-Fired, Power Vent Boiler

Water, Cast Iron Heat Exchanger



The PVG features a newly engineered cast iron heat exchanger that is the heart of the system. It incorporates more heating surface and directional flow technology allowing the boiler to reach 85% + AFUE.

Model No.	A.G.A. Input MBH (1)	D.O.E. Heating Cap. MBH	I=B=R Net Rating MBH (2)	AFUE % Power Vent (Thru-the-Wall)	Shipping Weight
PVG3	70	60	52	85.5	210

(1) A.G.A. rating shown is for installations at sea level and elevations up to 2,000 ft. For elevations above 2,000 ft. A.G.A. ratings should be reduced at the rate of 4% for each 1,000 ft. above sea level.

(2) Net I=B=R ratings shown are based on normal I=B=R piping and pick-up allowance of 1.15. Consult Burnham for installations having unusual piping and pick-up requirements such as intermittent system of operation, extensive piping system, etc.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	65113	PVG3NI-GS NAT EI WTR 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 status 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
- Taco 007 circulator with piping 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 auxiliary 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

LP Kit

1	EA	87428	104243-01 NG TO LP CONV KIT F/SERIES 3
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Series 3 Gas-Fired, Natural Draft Boilers

Water, Cast Iron Heat Exchanger



- 84% AFUE
- Features Burnham IQ Control System™
- Natural or LP gas
- Reliable cast iron G3 heat exchanger
- Integral draft diverter
- Simple to install and service
- Step opening gas valve
- G3 base
- Attractive, modern, insulated, powder coated steel jacket

Model Number	Input (MBH)	DOE Heating Capacity (MBH)	I=B=R Water Ratings (MBH)	AFUE %	Dimensions (H x W x D) (In.)	Electrical Requirements*
308	245	206	179	84.0	41 x 24-3/4 x 33	<2 Amps

* Requirement for controls only, add for amp draw of circulators.

Boilers

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	87405	308ANI-G 245,000 NAT EI WTR BOILER

Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87410	102714-01 IQ LWCO MANUAL RESET OPTION CARD FOR SERIES 3	
1	EA	87409	102720-01 IQ HI LIMIT MANUAL RESET OPTION CARD FOR SERIES 3	
1	EA	87411	102723-01 IQ OUTDOOR RESET OPTION CARD FOR SERIES 3	
1	EA	87408	102728-01 3.5 INCH TOUCH SCREEN DISPLAY FOR SERIES 3 BOILER	
1	EA	87407	102773-01 LP KIT FOR SERIES 3 ALL SIZES	



Vent Dampers for Series 2 Gas-Fired Boilers

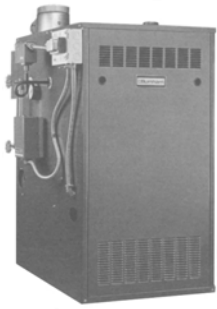
Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	65240	8116321(8116314) (RVGP-PC-4-BKF) 4" DAMPER
1	EA	65241	8116322(8116315) (RVGP-PC-5-BKF) 5" DAMPER
1	EA	65242	8116323(8116316) (RVGP-PC-6-BKF) 6" DAMPER
1	EA	65243	8116324(8116317) (RVGP-PC-7-BKF) 7" DAMPER
1	EA	65244	8116325(8116147) (RVGP-PC-8-BKF) 8" DAMPER



Independence Gas-Fired Boilers

Steam or Hot Water, Cast Iron Heat Exchanger



The Independence gas-fired steam or hot water boiler offers several benefits to the homeowner, including safety, comfort, dependability, and quality cast-iron construction.

The boiler is available in 7 heating capacities, from 51 to 231 MBH and can be used for natural gas or LP gas. Built-in safety systems provide homeowners residential security and confidence.

Semi-Pak Standard Equipment

- Section assembly
- Insulated deluxe jacket
- Base-burner manifold assembly
- Flame Roll-out Switch (FRS)
- Gas control assembly
- Electronic Ignition
- Canopy
- Rear draffhood
- Blocked Vent Switch (BVS)
- Vent Damper

Trim Packages

For a complete boiler package order a boiler, a trim package (#65229, 65239, or 65254), 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 System

Controls Furnished: PA-404A high limit, 24 V transformer; 4" J-box; thermostat isolating relay.

#65254 STR Trim Set for Steam System

Equipment furnished: Steam gauge; ASME 15 PSI safety relief valve; gauge glass set; 3/4" drain cock; plugs, bushings; for all size steam boilers.

Semi-Pak, Completely Factory Assembled, Add Trim 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

Standing Pilot (Water trim control cartons available upon request.)

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	65514	SIN3LNC-LE2 NAT 24V STEAM/WATER BOILER W/DIVERTER
1	EA	65515	SIN4LNC-LE2 NAT 24V STEAM/WATER BOILER W/DIVERTER

Accessories for Independence Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65229	60110023 EZS STEAM CONTROL & TRIM PKG	
1	EA	65239	60110080 SC STEAM CONTROL PKG	
1	EA	65254	60510031 STR STEAM TRIM PKG	
1	EA	65480	67 LOW WATER CUT-OFF FLOAT TYPE FOR STEAM BOILERS	



V-8 Series Oil Boilers Water, Cast Iron Sectional



The V8 is an oil-fired boiler designed for quiet operation and efficient service. It is versatile and is intended for installation in a wide variety of home styles and sizes.

Key Features

- Double articulating swing door
- Energy Star compliant
- ISO-Quiet burner
- Multiple firing rates
- Natural draft
- Oil-fired

Model No.*	Burner Cap.	DOE Heating Capacity MBH	I=B=R Net Rating Water MBH	DOE Annual Efficiencies	Flue Size (In.)	Height (In)	Width (In)	Overall Depth (In)	Depth Less Burner (In)	Wt. (lbs)	Pump
PV-83	1.05	123	107	82.6	6	32-1/4	24	32-1/2	17-1/8	542	1-1/2
PV-84	1.35	159	138	83.2	6	32-1/4	24	37-1/2	22-1/8	634	1-1/2
PV-85	1.65	196	170	83.9	7	32-1/4	24	42-1/2	27-1/8	726	1-1/2
PV-86	1.90	227	197	84.6	7	32-1/4	24	47-1/2	32-1/8	818	1-1/2

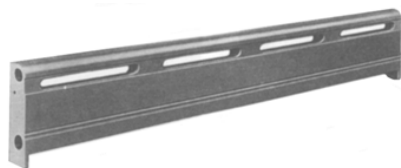
* Prefix "P" indicates packaged unit.

Prices Available on Request

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION
1	EA	65291	PV83WC-GBWN OIL BOILER
1	EA	65292	PV84WC-GBWN OIL BOILER
1	EA	65296	PV85WC-GBWN OIL BOILER
1	EA	65303	PV86WC-GBWN OIL BOILER



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							
		BTH/Hr. at							
Lbs./Hr.	Sq. Ft.	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

Prices and Availability on Request



Natural to L.P. Conversion Kits

For Use on Series 2 Boilers with 1" Stainless Steel Lanced Burners 24V Standing Pilot Models

Fits Following Boiler Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
203NCL	1	EA	67192	6231720302 SERIES 2 CONV KIT	
204NCL	1	EA	67193	6231720402 SERIES 2 CONV KIT	
205NCL	1	EA	67194	6231720502 SERIES 2 CONV KIT	
206NCL	1	EA	67195	6231720602 SERIES 2 CONV KIT	
207NCL	1	EA	67196	6231720702 SERIES 2 CONV KIT	
208NCL	1	EA	67197	6231720802 SERIES 2 CONV KIT	
209NCL	1	EA	67198	6231720902 SERIES 2 CONV KIT	
210NCL	1	EA	67199	6231721002 SERIES 2 CONV KIT	

For Use on Electronic Ignition Models (with S8600 EI System)

Fits Following Boiler Size	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
203 NIL	1	EA	67259	623172031622 SERIES 2 CONV KIT	
204 NIL	1	EA	67260	100559-01 SERIES 2 CONV KIT	
205 NIL	1	EA	67261	623172051622 SERIES 2 CONV KIT	
206 NIL	1	EA	67262	623172061622 SERIES 2 CONV KIT	
207 NIL	1	EA	67263	623172071622 SERIES 2 CONV KIT	
208 NIL	1	EA	67264	623172081622 SERIES 2 CONV KIT	
209 NIL	1	EA	67265	623172091622 SERIES 2 CONV KIT	
210 NIL	1	EA	67266	623172101622 SERIES 2 CONV KIT	

For Use on Revolution Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	67143	6230603101 RV3 CONVERSION KIT	
1	EA	67144	6230604101 RV4 CONVERSION KIT	
1	EA	67145	6230605101 RV5 CONVERSION KIT	
1	EA	67146	6230606101 RV6 CONVERSION KIT	
1	EA	67147	6230607101 RV7 CONVERSION KIT	



Parts

Parts for XG-2000 Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65416	6116056 INDUCED DRAFT FAN	
1	EA	65191	6236021 PENN COMPLETE EI PILOT ASSY	
1	EA	65197	80160032 THERMAL CUT-OFF RD226	
1	EA	65198	80160044 FLAME ROLL OUT SWITCH	
1	EA	65215	80160190 PRESSURE SWITCH F/EG2004-5-6	
1	EA	67574	80160402 AQUASTAT	
1	EA	65196	8136078 VIZLOGIC MODULE	
1	EA	65209	8236050 PENN EI PILOT BRNR L/SENSOR	
1	EA	67131	8236099 MAIN BURNER	

Parts for 2-A Series

1	EA	65202	100189-01 (80160156) L4080D HIGH LIMIT	
1	EA	65219	100282-01 (8056164U) TEMPERATURE/PRESSURE GAUGE	
1	EA	67120	6016058 BLOCKED VENT SWITCH	
1	EA	65198	80160044 FLAME ROLL OUT SWITCH	
1	EA	65224	80160155U R8285D TRANSFORMER RELAY	
1	EA	65213	81660161 3/4" NAT VR8304P4306 EI GAS VALVE	
1	EA	67129	8236072 PILOT ASSY	
1	EA	67131	8236099 MAIN BURNER	

Parts for 2-B Series

1	EA	65202	100189-01 (80160156) L4080D HIGH LIMIT	
1	EA	65219	100282-01 (8056164U) TEMPERATURE/PRESSURE GAUGE	
1	EA	67120	6016058 BLOCKED VENT SWITCH	
1	EA	65462	100958-01 S8610M3009 IGNITION MODULE	
1	EA	65180	81660143 VR8200C3005, 24V, NAT GAS VALVE	
1	EA	66776	81660145 GAS VALVE	
1	EA	65263	81660278 3/4" SV9602P4816 SMARTVALVE	
1	EA	67269	81660180 1/2" VR8204C6018 LP GAS VALVE	
1	EA	67279	81660181 3/4" VR8304P4280 LP GAS VALVE	
1	EA	65437	81660154 3/4" VR8300C4027 NAT GAS VLVE	
1	EA	67280	81660144 1/2" VR8200C3013 LP GAS VALVE	
1	EA	67281	81660244 3/4" VR8300C4548 LP GAS VALVE	
1	EA	67570	8236024 THERMOCOUPLE	
1	EA	65182	8236084 394800-36 IGNITION SENSOR LEAD 36"	
1	EA	65440	8236097 MAIN BURNER W/PILOT BRACKET	
1	EA	65444	8236098 MAIN BURNER W/PILOT BRACKET	
1	EA	67131	8236099 MAIN BURNER	
1	EA	65438	8236102(8236065) Q350A1644 NAT PILOT ASSY	
1	EA	65439	8236103(8236022) Q327A1949 NAT PILOT ASSY	
1	EA	65430	8236023 Q327A1147 LP PILOT ASSY (8236106)	
1	EA	65451	103705-01 LP PILOT ASSY	
1	EA	67135	8236147 Q3480C1304 NAT PILOT ASSY	

Parts for 2-PV Series

1	EA	65202	100189-01 (80160156) L4080D HIGH LIMIT	
1	EA	65219	100282-01 (8056164U) TEMPERATURE/PRESSURE GAUGE	
1	EA	67124	100959-01 S8670E1007 IGN MOD W/PREPURGE	
1	EA	67120	6016058 BLOCKED VENT SWITCH	
1	EA	65154	6111714 BLOWER F/203/204PV	
1	EA	65155	6111715 BLOWER F/205 & 206PV	
1	EA	65198	80160044 FLAME ROLL OUT SWITCH	
1	EA	65224	80160155U R8285D TRANSFORMER RELAY	
1	EA	67269	81660180 1/2" VR8204C6018 LP GAS VALVE	
1	EA	65444	8236098 MAIN BURNER W/PILOT BRACKET	
1	EA	67131	8236099 MAIN BURNER	

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Parts for 8B Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65190	6016016 G775RHA PENN MODULE	
1	EA	67120	6016058 BLOCKED VENT SWITCH	
1	EA	65191	6236021 PENN COMPLETE EI PILOT ASSY	
1	EA	65198	80160044 FLAME ROLL OUT SWITCH	
1	EA	65462	80160116 (100958-01)S8610M1003 IGNITION MODULE	
1	EA	65986	80160718 751P-MT-120 LOW WATER CUT-OFF F/HOT WATER	
1	EA	65461	81660151 7000DERHC NAT GAS VALVE	
1	EA	65204	81660081 K3A-461T SOLENOID VALVE	
1	EA	65192	8236040 SENSOR PROBE - PENN	
1	EA	67129	8236072 PILOT ASSY	

Parts for RV Series

1	EA	65416	6116056 INDUCED DRAFT FAN	
1	EA	65425	8010601 VS3000 BOILER CIRC CONTROL	
1	EA	65340	80160170 DIFF PRESSURE SWITCH FOR RV4	
1	EA	65343	80160198 DIFF PRESSURE SWITCH FOR RV5-6	
1	EA	65415	80160197 DIFF PRESSURE SWITCH FOR RV7	
1	EA	65426	80160219 AT150B1260 TRANSFORMER	
1	EA	65417	8206012 ORIFICE PLATE GASKET	
1	EA	65444	8236098 MAIN BURNER W/PILOT BRACKET	
1	EA	67131	8236099 MAIN BURNER	
1	EA	67135	8236147 Q3480C1304 NAT PILOT ASSY	
10	EA	70815	L8148E1299/U AQUA RELAY	
1	EA	76174	TYPE 071 UNIVERSAL SENSOR	

Parts for IN Series

1	EA	65463	6016067 BLOCKED VENT SWITCH	
1	EA	65198	80160044 FLAME ROLL OUT SWITCH	
1	EA	65980	104206-1 PS-802-24V (80160720) LOW WATER CUT-OFF F/STEAM	
1	EA	65204	81660081 K3A-461T SOLENOID VALVE	
1	EA	65437	81660183 (81660154) 3/4" VR8300C4134(4027) NAT GAS VLVE	
1	EA	65440	8236097 MAIN BURNER W/PILOT BRACKET	
1	EA	65444	8236098 MAIN BURNER W/PILOT BRACKET	
1	EA	67131	8236099 MAIN BURNER	
1	EA	65438	8236102(8236065) Q350A1644 NAT PILOT ASSY	
1	EA	65439	8236103(8236022) Q327A1949 NAT PILOT ASSY	

Parts for Freedom Series

1	EA	67786	100369-01 SUPPLY SENSOR F/ FREEDOM	
1	EA	67996	100378-01 BURNER HOOD GASKET F/ FREEDOM	
1	EA	67787	100391-01 RETURN TEMP SENSOR F/ FREEDOM	
1	EA	67978	100450-01 MCBA DISPLAY BOARD F/ FREEDOM	
1	EA	67845	100456-01 HYDROLEVEL 1100 LWCO F/ FREEDOM	
1	EA	69194	100471-01 AT140 TRANSFORMER F/ FREEDOM	
1	EA	69197	100499-01 CONDENSATE TRAP F/ FREEDOM	
1	EA	66991	100509-01 IGNITION ELECTRODE F/ FREEDOM	
1	EA	66992	100510-01 IGNITION ELECTRODE GASKET F/ FREEDOM	
1	EA	67843	100517-01 HIGH LIMIT SENSOR F/ FREEDOM	
1	EA	69235	100520-01 CONDENSATE TRAP GASKET FOR FREEDOM	
1	EA	67842	100542-01 OUTDOOR AIR SENSOR F/ FREEDOM	
1	EA	67516	100996-01 90 DEGREE 60/100MM PP CONCENTRIC ELBOW	
1	EA	67541	101004-01 VENT ADAPTER, PP TO SS FOR FCM	
1	EA	66979	101062-01 FAN PRESSURE SWITCH F/ FREEDOM	
1	EA	69361	101152-01 GCI PC BOILER INTERFACE FOR FREEDOM	
1	EA	67479	101161-01 78"X60/100MM STRAIGHT PP CONCENTRIC PIPE	
1	EA	67471	101162-01 39"X80/125MM PP CUTTABLE STRAIGHT PIPE	
1	EA	67445	101485-01 78"X80/125MM PP STRAIGHT PIPE	
1	EA	67472	101490-01 90 DEGREE 80/125MM PP ELBOW	
1	EA	67548	101491-01 45 DEGREE 80/125MM PP ELBOW	
1	EA	67565	101494-01 80/125MM PP HORIZ TERM W/ WALL PLATE	
1	EA	67580	101495-01 80/125MM PP VERT TERM W/ INLET RING	
1	EA	67767	101497-01 80/125MM PP 20-40 DEGREE SLPD ROOF FLASH	
1	EA	67771	101498-01 80/125MM PP SUPPORT BAND	
1	EA	67766	101496-01 80/125MM PP FLT ROOF FLASH FOR VERT TERM	



CGD Series Cast Iron Boilers

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

Water Boiler Specifications

Model No.	AGA Input MBH	DOE Heating Capacity	IBR Net Output	AFUE% Std. Pilot with Vent Damper	Flue Dia. (In.)	Pump Conn.	Approx. Weight (Lbs.)
CG20D	37.5	31	27	82.3	4	1-1/4	212
CG30D	62	52	45	82.6	4	1-1/4	254
CG40D	96	80	70	82.3	5	1-1/4	298
CG50D	130	108	94	82.0	6	1-1/4	346
CG60D	164	136	117	82.0	6	1-1/4	408
CG70D	198	163	141	82.0	7	1-1/4	450
CG80D	232	191	166	82.0	7	1-1/4	506
CG90D	266	219	190	82.0	8	1-1/4	550
CG00D	299	246	214	82.0	8	1-1/4	608

Water Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88157	CG20DNI-L2 WTR BOILER W/EI L/PUMP	
1	EA	88158	CG30DNI-L2 WTR BOILER W/EI L/PUMP	
1	EA	88159	CG40DNI-L2 WTR BOILER W/EI L/PUMP	
1	EA	88160	CG50DNI-L2 WTR BOILER W/EI L/PUMP	
1	EA	88161	CG60DNI-L2 WTR BOILER W/EI L/PUMP	
1	EA	88162	CG70DNI-L2 WTR BOILER W/EI L/PUMP	
1	EA	88163	CG80DNI-L2 WTR BOILER W/EI L/PUMP	
1	EA	88156	CG100DNI-L2 WTR BOILER W/EI L/PUMP	

Replacement Parts

1	EA	65240	8116321(8116314) (RVGP-PC-4-BKF) 4" DAMPER	
1	EA	65241	8116322(8116315) (RVGP-PC-5-BKF) 5" DAMPER	
1	EA	65242	8116323(8116316) (RVGP-PC-6-BKF) 6" DAMPER	
1	EA	65243	8116324(8116317) (RVGP-PC-7-BKF) 7" DAMPER	
1	EA	65244	8116325(8116147) (RVGP-PC-8-BKF) 8" DAMPER	
1	EA	65980	80160720 PS-802-24V LOW WATER CUT-OFF F/STEAM	

LP Kits (Special Order Only)

1	EA	65920	101122-01 LP KIT FOR CG30C ELECTRONIC IGNITION	
1	EA	65927	100972-01 LP KIT FOR CG40C ELECTRONIC IGNITION	
1	EA	65939	101139-01 LP KIT FOR CG50C ELECTRONIC IGNITION	
1	EA	65941	101779-01 LP KIT FOR CG60C ELECTRONIC IGNITION	
1	EA	66290	102016-01 LP KIT FOR CG70C ELECTRONIC IGNITION	
1	EA	66376	101002-01 LP KIT FOR CG30C STANDING PILOT	
1	EA	66384	100791-01 LP KIT FOR CG40C STANDING PILOT	
1	EA	66508	100792-01 LP KIT FOR CG50C STANDING PILOT	
1	EA	66652	100969-01 LP KIT FOR CG60C STANDING PILOT	



Ultra Condensing High-Efficiency Boilers

Commercial, Gas-Fired, Water Only



- Sectional aluminum block
- 30 PSI ASME relief valve
- Stainless steel burner with woven steel fiber mesh
- Direct spark ignition
- Variable speed blower assembly
- Venturi mixing system with air silencer
- Negative pressure regulated gas valve
- 50 VA transformer
- Dual scale temperature and pressure gauge
- Outlet water temp. sensor
- Inlet water temp. sensor
- Flue gas temp. sensor
- Outdoor temp. sensor
- System water temp. sensor
- Integrated drain in vent adapters
- U control module
- Comes setup CSD-1 compliant

Model No.	CSA Input (Max.)	CSA Input (Min.)	CSA Gross Output	Net I=B=R	IBR Thermal	IBR Combustion	Vent Size/Material	Combustion Air Size	Water Volume (Gal.)	Minimum Gas Pressure	Approx. Shipping Wt. (Lbs.)
550	550	110	517	445	93.9%	94.7%	6" PVC	6"	5.5	3.5"	505
750	750	150	702	605	93.6%	94.0%	6" or 8" PVC *	6" or 8" *	6.5	3.5"	550

* 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	ULTRA 550 COMMERCIAL BOILER	
1	EA	87207	ULTRA 750 COMMERCIAL BOILER	

Accessory

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87253	592-900-012 X100 CORROSION INHIBITOR	



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 largest 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



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	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	68897	383-300-258 5" W.C. CONTROLS 4&5	
1	EA	68898	383-300-260 5" W.C. CONTROLS A&B	
1	EA	68899	383-300-262 5" W.C. CONTROLS C&D	
1	EA	68915	383-300-264 5" W.C. CONTROLS E	
1	EA	68916	383-300-266 5" W.C. CONTROLS F&G	
1	EA	68917	383-300-268 5" W.C. CONTROLS H	
1	EA	68929	383-300-270 5" W.C. CONTROLS I	
1	EA	68931	383-300-272 5" W.C. CONTROLS J	
1	EA	68932	383-300-274 5" W.C. CONTROLS K	
1	EA	68933	383-300-276 5" W.C. CONTROLS M	
1	EA	68934	383-300-278 5" W.C. CONTROLS N	
1	EA	68942	383-300-280 5" W.C. CONTROLS O	
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	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	68632	413-300-000 (413-300-001) LGB STANDARD JACKET	
1	EA	68634	413-300-010 LGB-4 JACKET CARTON	
1	EA	68650	413-300-011 LGB-5 JACKET CARTON	
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	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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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68746	450-019-858 COLLECTOR HOOD 4	
1	EA	68749	450-019-859 COLLECTOR HOOD 5	
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	68953	511-114-474 #61 LOW WATER CUTOFF (STEAM ONLY)	

CSD-1 Components

1	EA	65459	63M LOW WATER CUT-OFF W/MAUAL RESET	
1	EA	65460	150S-MD HIGH PRESSURE LEVEL CONTROL	
1	EA	68957	383-300-540 CSD-1 NAT CONTROL PANEL	
1	EA	68990	510-312-041 L4006E 1000 AQUASTAT	
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

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 (steam).
- High limit pressure control.
- Probe low water cut-off (steam).
- Pressure gauge (steam).
- Gauge cocks and glass (steam).
- Vent damper can be used (optional).

Note: A.G.A. design certified for installation on non-combustible flooring only.

Ratings

Model No.	A.G.A. Input MBH	A.G.A. Output Gross MBH	Net I=B=R Rating		Approximate Shipping Weight (Lbs.)	I=B=R Chimney Size
			Steam MBH	Steam Sq. Ft.		
EGH-95	400	320	240	1,000	960	10" I.D. x 20'
EGH-125	550	440	330	1,375	1,215	12" I.D. x 20'

High Efficiency Model, Natural Gas without Tankless Heater Openings**Trim Package Required**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68135	EGH-95-PIN 400 MBTU INPUT BOILER LESS TRIM PKG	
1	EA	68138	EGH-125-PIN 550 MBTU INPUT BOILER LESS TRIM PKG	

Trim Packages

1	EA	68147	381-700-344 STEAM TRIM PKG FOR EGH BOILERS	
1	EA	68148	381-700-336 WATER TRIM PKG FOR EGH BOILERS	

EGH Atmospheric Gas Boiler Packages

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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EGH Boiler Components

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	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	
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	89412	381-700-344 EGH85-125 STEAM TRIM PI	

EGH Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	



EG-PIDN Atmospheric Gas Boiler

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 (EG30-65)
- Thermal fuse element (EG30-65)
- Spill switch (EG30-65)
- 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 (%)	83.0	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	3/4
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.)	1-1/2	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	

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EG Steam Boiler Packages

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	

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	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	
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)	



CGa-PIDN Atmospheric Gas Packaged Boiler 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)		DOE Heating Capacity MBH	Net I=B=R Rating MBH	Approximate Shipping Weight (Lbs.)	I=B=R Chimney Size
		Intermittent Ignition with Damper Nat. Gas (PIDN)					
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 2 CTNS	
1	EA	68048	CGA-8-PIDN 245 MBTU INPUT BOILER W/DRAFT HOOD 2 CTNS	

LP Conversion Kits for Intermittent (Spark) Pilot CGa Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	89350	510-811-938 CGA-25 TO CGA-7 NG TO LP CONV KIT	
1	EA	89351	510-811-939 CGA-8 NG TO LP CONV KIT	

Series 2, Standing Pilot with Damper, Natural Gas

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68041	CGA-8-SPDN 245 MBTU INPUT BOILER W/DRAFT HOOD 2 CTNS	



CGI High Efficiency Gas Induced Draft Boiler 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 steel vent 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.)	Chimney Size
CGI-25	50	42	37	83.0	190	4" I.D. x 20'
CGI-3	67	56	49	83.3	190	4" I.D. x 20'
CGI-4	100	84	73	83.0	230	5" I.D. x 20'
CGI-4E*	90	76	66	85.0	245	5" I.D. x 20'
CGI-5	133	111	97	82.7	270	5" I.D. x 20'
CGI-6	167	139	121	82.4	315	5" I.D. x 20'
CGI-7	200	166	144	82.1	360	5" I.D. x 20'

*Energy Star Rated.

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	87237	CGI-4E-PIN 90 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

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	GV90+ 3 70 MBH BOILER S1 T-007	
1	EA	87233	GV90+ 4 105 MBH BOILER S1 T-007	
1	EA	87234	GV90+ 5 140 MBH BOILER S1 T-007	
1	EA	87235	GV90+ 6 175 MBH BOILER S1 T-007	

Condensate Neutralizer Kit

1	EA	87236	383-500-631 CONDENSATE NEUTRALIZER KIT	
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ECO High Efficiency Wall Mount Boilers



- Exceeds Energy Star requirements
- 95% 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 the 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 polypropylene 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	87249	ECO70 70 MBH WALL MOUNT BOILER	
1	EA	87250	ECO110 110 MBH WALL MOUNT BOILER	
1	EA	87251	ECO155 155 MBH WALL MOUNT BOILER	

Accessories

1	EA	87252	383-800-101 ECO BOILER STAND KIT	
4	EA	84344	CVENT-3 3" CONCENTRIC VENT KIT 60L46	



Ultra Condensing High Efficiency Gas Boilers, Series 3 CT

Water Only, Precision Hydronic Data Technology



Boiler

- Cast aluminum block
- 30 PSI ASME relief valve
- Drain valve
- Stainless steel 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 with

- 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 except model 80)

UControl Module

- 3.5" LCD display
- Three 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

	Ultra 80	Ultra 105	Ultra 155	Ultra 230	Ultra 299	Ultra 399
CSA Input (Maximum)	80 MBH	105 MBH	155 MBH	230 MBH	310 MBH	399 MBH
CSA Input (Minimum)	16 MBH	21 MBH	31 MBH	46 MBH	62 MBH	80 MBH
DOE Heating Cap.	71 MBH	94 MBH	139 MBH	207 MBH	289 MBH	365 MBH*
Net I=B=R	62 MBH	81 MBH	123 MBH	183 MBH	252 MBH	317 MBH
DOE AFUE (%)	93.5	93.5	94	94	94.1	92.5
Vent Size/Material	3 in. PVC	3 in. PVC	3 in. PVC	3 or 4 in. PVC	4 in. PVC	4 in. PVC
Combustion Air Size (In.)	2 or 3	2 or 3	3	3 or 4	4	4
Water Volume (Gal.)	.95	1.07	1.17	1.57	2.10	2.10
Approx. Ship. Weight (Lbs.)	149	154	193	204	25	297
Supply Tapping (In.)	1	1	1	1	1-1/4	1-1/4
Return Tapping (In.)	1	1	1	1	1-1/4	1-1/4
Gas Connection Size (In.)	1/2	1/2	1/2	1/2	3/4	3/4

* Combustion efficiency

Boilers

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87240	ULTRA 80 CT BOILER SERIES 3-CT	
1	EA	87241	ULTRA 105 CT BOILER SERIES 3-CT	
1	EA	87242	ULTRA 155 CT BOILER SERIES 3-CT	
1	EA	87243	ULTRA 230 CT BOILER SERIES 3-CT	
1	EA	87244	ULTRA 299 CT BOILER SERIES 3-CT	
1	EA	87245	ULTRA 399 CT BOILER SERIES 3-CT	

Accessories

1	EA	68065	389-900-180 WALL MOUNT KIT	
1	EA	68066	383-500-080 AM3 ALARM CONTROL KIT	
1	EA	68753	383-500-125 OUTDOOR SENSOR F/ULTRA BOILER	
1	EA	87230	383-500-649 1-1/4" ULTRA 80/105 EASY-UP MANIFOLD	
1	EA	87231	383-500-661 1-1/2" ULTRA 155-399 EASY-UP MANIFOLD	

Antifreeze and Corrosion Inhibitor

1	EA	95933	35283 5 GAL CRYO-TEK-100AL PROPYLENE GLYCOL	
1	EA	87253	592-900-012 X100 CORROSION INHIBITOR	



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.	200F Boiler Water			190F Boiler Water			180F Boiler Water		
	Boiler Out (MBH)	115F DHW (GPH)	140F DHW (GPH)	Boiler Out (MBH)	115F DHW (GPH)	140F DHW (GPH)	Boiler Out (MBH)	115F DHW (GPH)	140F 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 180F 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	



Boiler Parts

Use with Model	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
CG	1	EA	66944	321-114-286 CG25/3 SECTION ASSEMBLY	
CG	1	EA	66945	321-114-287 CG4 SECTION ASSEMBLY	
CG	1	EA	66946	321-114-288 CG5 SECTION ASSEMBLY	
CG	1	EA	66947	321-114-289 CG6 SECTION ASSEMBLY	
CG	1	EA	69133	321-114-290 CG7 SECTION ASSEMBLY	
CG	1	EA	66955	321-114-291 CG8 SECTION ASSEMBLY	
CGI	1	EA	61711	381-356-499 INDUCER ASSEMBLY FOR CGI	
GV	1	EA	68534	382-200-340 BLOWER MTR/HSG ASSY	
GV	1	EA	68647	382-200-345 BLOWER MOTOR	
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	68575	382-200-448 CTL MOD REPL KIT	
	1	EA	68648	382-930-216 HOT SURFACE IGNITOR	
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 80/105/155/230/299/310	1	EA	68786	383-500-055 FLUE TEMPERATURE SENSOR KIT	
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 CONTROL MODULE F/ULTRA'S	
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	1	EA	69081	383-500-260 28 MM WATER COMPRESSION FTG F/ ULTRA	
Ultra 310	1	EA	66762	383-500-300 WATER SENSOR F/ULTRA BOILER	
Ultra	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 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	
Ultra 155/230/299/310	1	EA	87229	383-500-620 MAINTENANCE KIT FOR ULTRA 155 THROUGH 399	
All Ultras	1	EA	87211	383-500-642 KIT-S U-CONTROL BLK-T	
Ultra 80-399	1	EA	64894	383-500-658 U CONTROL FOR ULTRA	
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	
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	
	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-CTLCS1	
	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-SNSRWTRSNG NTC 1/4NPT	
Ultra 550/750	1	EA	87223	383-600-072 KIT-S T-SNSR DUPLEX NTC 12KOHM	
	1	EA	68649	510-218-097 2 1/2"; 0-60 PSIG COMBO GAUGE	
	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	
GV	1	EA	68537	510-312-019 LIMIT CTL W/1/2IN WELL	
EG/CG/PFG/EGH	1	EA	68540	510-312-166 TRANS W/BALE WIRE	
	1	EA	68541	510-312-167 TRANS W/RELAY	
	1	EA	68542	510-312-209 LIMIT CTL W/3/4IN WELL	
	1	EA	68544	510-312-254 LIMIT CTL W/CASE & COVER	
EG/CGI/CG/PFG/EGH	1	EA	68543	510-312-250 LIMIT CTL W/1/2IN WELL	
	1	EA	68653	510-312-312 BLOWER ASSEMBLY	
	1	EA	68654	510-312-317 BLOWER MOTOR KIT	
EG/CG/PFG/EGH	1	EA	68546	510-350-223 RELAY	

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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68547	510-811-221 PILOT KIT	
1	EA	68573	510-811-362 LP GAS CONVERSION KIT	
1	EA	65153	510-811-458 PILOT KIT	
1	EA	65189	510-811-459 PILOT KIT	
1	EA	61710	510-811-502 IGNITION MODULE FOR V/HE	
1	EA	68548	510-811-640 PILOT KIT	
1	EA	68549	510-811-644 PILOT KIT	
1	EA	68551	511-044-256 GAS VALVE	
1	EA	68552	511-044-286 GAS VALVE	
1	EA	68553	511-044-287 GAS VALVE	
1	EA	68554	511-044-353 GAS VALVE	
1	EA	68555	511-044-360 GAS VALVE	
1	EA	68556	511-044-381 GAS VALVE	
1	EA	68557	511-044-382 GAS VALVE	
1	EA	68550	511-044-505 GAS VALVE	
1	EA	68693	511-210-433 FILL VALVE ANGLE	
1	EA	68694	511-330-079 IGNITION CONTROL MODULE	
1	EA	68558	511-330-095 IGN CTL W/OPR MOLEX	
1	EA	68695	511-330-097 IGNITION CONTROL MODULE	
1	EA	68559	511-330-099 IGNITION CTL	
1	EA	68560	511-330-148 IGNITOR REPL KIT	
1	EA	68563	511-330-170 PILOT BURNER	
1	EA	68564	511-330-186 PILOT BURNER W/BRKT	
1	EA	68565	511-330-197 PILOT BURNER	
1	EA	68698	511-330-218 PILOT ASSEMBLY KIT	
1	EA	65188	511-330-221 PILOT BURNER	
1	EA	69104	511-330-258 CONTROL MODULE FOR ULTRA 310	
1	EA	68787	511-405-113 PUMP	
1	EA	68566	511-624-450 PRESSURE SWITCH	
1	EA	68567	511-624-451 PRESSURE SWITCH	
1	EA	68568	511-624-452 PRESSURE SWITCH	
1	EA	68569	511-624-453 PRESSURE SWITCH	
1	EA	68726	511-624-510 PRESSURE SWITCH	
1	EA	68570	511-624-520 PRESSURE SWITCH	
1	EA	68727	511-724-249 GENERATOR	
1	EA	68730	511-724-274 MAIN FLAME SENSOR F/LGB	
1	EA	68571	511-842-370 TRANS	
1	EA	68572	512-050-230 THERMO ROLLOUT FUSE	
1	EA	68733	512-200-000 BURNER STAINLESS TUBE	
1	EA	68742	512-200-045 BURNER	
1	EA	68743	512-200-077 BURNER	
1	EA	68744	512-200-078 BURNER	
1	EA	68745	560-528-957 PILOT ORIFICE LP	
1	EA	68747	560-528-959 PILOT ORIFICE	
1	EA	68748	560-742-860 PILOT TUBING	
1	EA	87224	561-444-101 PLG ASY FLUE PIP INSP	
1	EA	69082	564-100-002 22 MM WATER COMPRESSION FTG F/ ULTRA	
1	EA	87225	570-350-230 RLY-S DPDT 10A 120VAC	
1	EA	87226	590-300-022 GSKT VNTI/G-TRN 70MMX2MMX70MM	
1	EA	87227	590-318-042 O-RING VLV-G HON CPOR020156/B	
1	EA	69038	591-200-000 COVER PLATE GASKET F/ ULTRA 80/105	



Residential Boilers

With Glass Lined Cast Iron Headers and Non-Ferrous Waterways



Specifications

Model No.	Input MBTUH	Heating Capacity MBTUH	Net I=B=R Rating	Piping Connection		Vent Dia. (In.)	Approx. Shipping Weight (Lbs.)
				Water NPT (In.)	Gas NPT (In.)		
H-0042	42	35	30	1	1/2	4	95
H-0066	66	54	47	1	1/2	5	105
H-0090	90	74	64	1	1/2	5	105
H-0135	135	109	95	1-1/4	1/2	6	135
H-0180	180	148	129	1-1/4	1/2	7	140

Minimum Clearance from Combustible Materials

Model No.	Floor	Front (In.)	Rear (In.)	Right Side (In.)	Left Side (In.)	Top (In.)	Flue Vent (In.)
H-0042	Combustible	4	6	6	6	16	6
H-0066	Combustible	4	6	6	6	16	6
H-0090	Combustible	Alcove	6	6	6	16	6
H-0135	Combustible	Alcove	6	6	6	16	6
H-0180	Combustible	Alcove	6	6	6	16	6

A front clearance of at least 24 inches is recommended for adequate service of burner tray and controls.

The finned copper tube boiler that is ready to go right out of the box. Five sizes: 42, 66, 90, 135, and 180 MBTUH inputs with built-in draft diverter, automatic vent damper, factory installed circulator and bypass, and electronic spark ignition plus safety sensors to protect against roll-out, flue gas spillage, and low flow conditions. Designed for fast installation and easy service. On/Off firing 42 through 66 and 2-stage firing 90 through 180. Boiler includes all non-ferrous waterways. For systems requiring all non-ferrous design, cast iron pumps can be changed to bronze or stainless steel.

KnowFlo Sensor

Raypak's KnowFlo solid state control detects a low-flow condition by electrically sensing water temperature and shutting down the boiler before any significant over-temperature can develop.

The boiler is kept off until the temperature has returned to an acceptable level and approximately three minutes have elapsed. The KnowFlo sensor protects against interruptions in flow.

The heat exchanger is ASME inspected and stamped 160 PSI. Other components of the heating system normally restrict operating pressure to 125 PSI or less. 30 PSI relief valve standard.

Safe Operation

Built-in manual reset safety sensors shut down the boiler in event of flame roll-out of flue gas spillage.

Installs on Combustible Flooring

AGA design certified for installation on combustible flooring.

Standing Pilot Model with Vent Damper

AFUE Rating	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
81.1	1	EA	68325	H3-NF0135 NAT STD PILOT BOILER W/CI PUMP	
82.3	1	EA	68326	H3-NF0180 NAT STD PILOT BOILER W/CI PUMP	

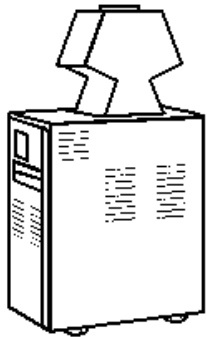
Intermittent Spark Ignition Model with Vent Damper

84.0	1	EA	68327	H4-NF0042 NAT IID BOILER W/CI PUMP	
82.0	1	EA	68328	H4-NF0066 NAT IID BOILER W/CI PUMP	
82.1	1	EA	68329	H3-NF0090 NAT IID BOILER W/CI PUMP	
81.1	1	EA	68330	H3-NF0135 NAT IID BOILER W/CI PUMP	
82.3	1	EA	68331	H3-NF0180 NAT IID BOILER W/CI PUMP	



Commercial Boilers

Finned Coppertube Type WH Hot Water Supply Boilers and Type H Hydronic Heating Boilers



Efficient

- Thermal efficiency 82%, highest of any atmospheric boiler available today.
- Thermal shock proof
- 20-year warranty against thermal shock damage up to 150° F differential. Maximum operating temperature: 230° F.
- Light weight
- A floor load to 70 lbs./sq. ft. or less.
- High recovery
- Cuts fuel costs substantially because the standby and radiation losses normal to other boilers and tank-type water heaters are eliminated.
- Low water operating temperature
- Operates with water temperature as low as 105° F without condensation.

Heat Exchanger

- ASME stamped 160 PSIG
- National board approved
- Bronze headers
- Finned copper tubes
- ASME steel tubesheet
- Silicon O-rings
- 125 PSIG relief valve (WH3)
- 45 or 60 PSIG relief valve (H3)
- Temperature and pressure gauge

Gas Control Train

- Main gas pressure regulator
- Safety shut-off valve, redundant
- 2-stage control valve
- AGA Designed Certified, ANSI Z21.13
- Construction
- Indoor draft hood
- Front controls enclosed
- Stainless steel burners
- Polytuf powder coat finish

Control

- 115/1/60 power supply
- 115V/24V transformer
- (IID) intermittent spark ignition
- Operating and limit controls
- On/Off switch
- Flow switch
- Economaster II pump relay

Model No.	MBTU		Dimensions (In.)			Jacket Height	Gas Conn.	Water Conn.	Flue Dia.
	Input	Output	Width	Overall Height	Depth				
H-260	264.0	216.0	22-3/8	62-7/8	26-1/2	38	3/4	1-1/2	7
WH/H-330	334.0	274.0	25-3/4	63-3/4	26-1/2	38	3/4	1-1/2	8
WH/H-400	399.0	327.0	29-1/4	65-3/8	26-1/2	38	3/4	1-1/2	9
WH/H-514	511.5	409.2	32-3/4	57	29-1/2	33	1	2	10
WH/H-624	627.0	501.6	37-1/2	57	29-1/2	33	1	2	12
WH/H-724	726.0	580.8	41-5/8	57	29-1/2	33	1	2	12
WH/H-824	825.0	660.0	45-3/4	57	29-1/2	33	1	2	14

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66738	H3-260R IID CI BOILER 2/CTN-008085	
1	EA	68332	WH3-330 IID BR BOILER 2/CTN-008148	
1	EA	68333	WH3-400 IID BR BOILER 2/CTN-008149	
1	EA	68334	WH3-514 IID BR BOILER 2/CTN-001457	
1	EA	68335	WH3-624 IID BR BOILER 2/CTN-001458	
1	EA	68336	WH3-724 IID BR BOILER 2/CTN-001459	
1	EA	68337	WH3-824 IID BR BOILER 2/CTN-001460	
1	EA	68339	H3-330 IID BR BOILER 2/CTN-008148	
1	EA	68340	H3-400 IID BR BOILER 2/CTN-008149	
1	EA	68341	H3-514 IID BR BOILER 2/CTN-001457	
1	EA	68342	H3-624 IID BR BOILER 2/CTN-001458	
1	EA	68343	H3-724 IID BR BOILER 2/CTN-001459	
1	EA	68344	H3-824 IID BR BOILER 2/CTN-001460	

NOTE: Price for all models is without pump.

Raypak® Pool Heaters



Heaters include a digital control with liquid crystal display for temperature selection and heater settings and microprocessor controlled diagnostics (except C-R155C-EN). Pool heaters come packaged for outdoor use except for C-R155C-EN which needs a hood. AGA Design Certified.

Specifications and Dimensions

Pool Size (Sq. Ft.)	Model for Temp. Maint.
300	C-R206
400	C-R206
500	C-R206
600	C-R206
700	C-R206
800	C-R266

Model No.	BTU Input	Cabinet Width (In)	Flue Dia. (In)	Solid State Single- or Dual-Temperature Control	
				Millivolts	Elec. Ignition
C-R206	199,500	20	6	S	D
C-R266	266,000	23	7	S	D
C-R336	332,500	26	8	S	D
C-R406	399,000	29	9	S	D

Model No.	Spa/Tub Size (Gal.)					
	300	400	500	600	700	800
	Desired Temp. Rise in °F per hour					
C-R206	64	49	39	33	27	24
C-R266	84	63	51	42	36	32
C-R336	104	78	63	52	45	39
C-R406	128	96	77	64	55	48

Model No.	Water Connections		Shipping Weight (Lbs.)			
	1-1/2"	2"	Heater Base	Stackless Top	Outdoor Stack	Draft Hood
C-R206	x	x	206	Included	N/A	12
C-R266	x	x	229	Included	N/A	15
C-R336	x	x	249	Included	N/A	17
C-R406	x	x	268	Included	N/A	20

Cast Iron Header Pool Heater

BTU Input	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
199,500	1	EA	66483	C-R206A-EN-C NAT CI POOL HTR ASME	
266,000	1	EA	66487	C-R266A-EN-C NAT CI POOL HTR ASME	
332,500	1	EA	66496	C-R336A-EN-C NAT CI POOL HTR ASME	
399,000	1	EA	66502	C-R406A-EN-C NAT CI POOL HTR ASME	

Indoor Hoods for C-R Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66346	009838 INDOOR DRAFT HOOD R206	
1	EA	66350	009839 INDOOR DRAFT HOOD R266	
1	EA	66351	009840 INDOOR DRAFT HOOD R336	
1	EA	66354	009841 INDOOR DRAFT HOOD R406	

Outdoor Hoods for C-R Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66552	003710 OUTDOOR STACKLESS TOP R155	

Pool Heater Replacement Parts

For Pool Heaters Manufactured	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
	1	EA	66522	003346F POOL THERMOSTAT MV	
	1	EA	66433	005899F THERMAL CUT-OFF FUSE	
11-1-98 through current	1	EA	67681	006701F R185-R405 IID TEMP SENSOR	
11-1-98 through current	1	EA	67680	006737F POOL PRESSURE SWITCH	
	1	EA	67684	010253F R206A-R406A PC BOARD THERMOSTAT	
	1	EA	66532	062234B UNITHERM GOVERNOR	
11-1-93 through 10-31-98	1	EA	66465	062237B POOL PRESSURE SWITCH	
	1	EA	66466	600892B 135 HIGH LIMIT-RED	
	1	EA	66467	600893B 140 HIGH LIMIT-BLK	



Boiler Replacement Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66536	002003F H&W 184-403 R185-R405 NAT IID PILOT	
1	EA	66535	002234F H&W 514 & UP NAT IID PILOT	
1	EA	66519	003943F 30-180 PC BOARD/PROBE KIT	
1	EA	66537	003972F 30-180 NAT STD PILOT	
1	EA	66539	003976F 30-180 HOT SURFACE IGN COIL	
1	EA	66437	004675F ECONOMASTER II PUMP TIME DELAY	
1	EA	67686	004817B ELECT IGN W/O LOCKOUT	
1	EA	66473	004881F NAT GAS VALVE WH3/H3-514-624 IID	
1	EA	66460	004935F IGNITION CTL MODULE IID 30-263	
1	EA	66448	005461F NAT COMB GAS VALVE H0030-66 IID	
1	EA	66459	005463F NAT COMB GAS VALVE H0090-180 IID	
1	EA	66436	005467F SPARK TO HOOD PILOT ASSY FOR RES IID 30-180	
1	EA	66438	005481F NAT TO LP CONV KIT H0042 IID	
1	EA	66439	005483F NAT TO LP CONV KIT H0066 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	66520	006021F TEMP SENSOR	
1	EA	67693	006533F 115/24V 50VA TRANSFORMER	
1	EA	66533	007205F WGTP-90#-3"-BCK TEMP & PRESS GAUGE H BLRS	
1	EA	66534	007399F WGTP-200#-3"-BCK TEMP & PRESS GAUGE W-BLRS	
1	EA	66478	501410 RVW.75-30-0510 30 PSIG RELIEF VALVE 30-180	
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	EA	67695	601094 LP COMB GAS VALVE	
1	EA	66468	601129F IGNITION CTL HSI 30-180	
1	EA	66521	650691 120/24V TRANSFORMER	
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	PKG	66523	800203B 3/4" ID RED GASKET (9/PKG)	
1	EA	65240	8116321(8116314) (RVGP-PC-4-BKF) 4" DAMPER	
1	EA	65241	8116322(8116315) (RVGP-PC-5-BKF) 5" DAMPER	
1	EA	65242	8116323(8116316) (RVGP-PC-6-BKF) 6" DAMPER	
1	EA	65243	8116324(8116317) (RVGP-PC-7-BKF) 7" DAMPER	
1	EA	66443	N-P-155EN NAT-LP CONV KIT	
1	EA	66474	N-P-R206A-EN NAT-LP CONV KIT	
1	EA	66476	N-P-R336A-EN NAT-LP CONV KIT	
1	EA	66477	N-P-R406A-EN NAT-LP CONV KIT	

Uponor Radiant Floor Heating Systems

The radiant floor heating system is an alternative heating source that has tubing embedded in a concrete floor and warm water circulates through the tubes. The floor becomes the radiator. Heat sources include water heaters, boilers, heat pumps, heat exchangers, and any low temperature appliance.

Uponor hePEX® is a cross-linked polyethylene heat transfer tubing with an oxygen diffusion barrier. It is intended for use in closed loop hydronic radiant panel heating systems operating at sustained water temperatures below 200° F. Corrodible components may be used in a hePEX circulating loop.

Temperature and Pressure Ratings:

73.4° F @ 160 PSI

180° F @ 100 PSI

200° F @ 80 PSI

Minimum Opening Requirements

Number of Loops	Horizontal Installation		Vertical Installation	
	Height	Width	Height	Width
2	30	10.0*	20.0	14.5*
3	30	11.5*	21.5	14.5*
4	30	13.5*	23.5	14.5*
5	30	15.5	25.5	14.5*
6	30	17.5	27.5	14.5*
7	30	19.5	29.5	14.5*
8	30	21.5	31.5	14.5*
9	30	23.5	33.5	14.5*
10**	30	25.5	35.5	14.5*

* Fits within a standard stud wall at 16" on center.

** Maximum recommended number of loops in one manifold.

hePEX® Barrier Tubing

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
1	CL	68376	A1210375 3/8 X 400FT HEPEX		
1	CL	68377	A1220375 3/8 X 1000FT HEPEX		
1	CL	66554	A1220625 5/8 X 1000FT HEPEX		
1	CL	66569	A1250625 5/8 X 300FT HEPEX		
1	CL	68596	A1180313 5/16 X 250FT QUIK TRAK HEPEX		
1	CL	68400	A1250500 1/2 X 300FT HEPEX		
1	CL	68401	A1220500 1/2 X 1000FT HEPEX		
1	CL	68402	A1250750 3/4 X 300FT HEPEX		
1	CL	68576	A1251000 1 X 300FT HEPEX		

Multicor (Pex-Al-Pex) Tubing

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
1	CL	66550	D1250500 1/2 X 300FT MULTICOR		
1	CL	66551	D1250625 5/8 X 300FT MULTICOR		
1	CL	66556	D1220500 1/2 X 1000FT MULTICOR		
1	CL	66553	D1250750 3/4 X 300FT MULTICOR		
1	CL	66558	D1141000 1 X 100FT MULTICOR		

Manifolds

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66736	A2610700 7-LOOP TRUFLOW MANIFOLD	
1	EA	66734	A2610800 8-LOOP TRUFLOW MANIFOLD	
1	EA	66456	A2660200 2-LOOP TRUFLOW JR. W/ VLVLESS AND BALANCING VLVS	
1	EA	66400	A2660201 2-LOOP TRUFLOW JR. W/ ISO VLVS AND BALANCING VLVS	
1	EA	66457	A2660300 3-LOOP TRUFLOW JR. W/ VLVLESS AND BALANCING VLVS	
1	EA	66401	A2660301 3-LOOP TRUFLOW JR. W/ ISO VLVS AND BALANCING VLVS	
1	EA	66458	A2660400 4-LOOP TRUFLOW JR. W/ VLVLESS AND BALANCING VLVS	
1	EA	66402	A2660401 4-LOOP TRUFLOW JR. W/ ISO VLVS AND BALANCING VLVS	
1	EA	66403	A2660501 5-LOOP TRUFLOW JR. W/ ISO VLVS AND BALANCING VLVS	
1	EA	66435	A2660601 6-LOOP TRUFLOW JR. W/ ISO VLVS AND BALANCING VLVS	
3	EA	66667	F2801575 1-1/2"X6FT CU MANIFOLD W/24 OUTLETS 3/4"	
1	EA	66638	LF2501000 1"CU MANIFOLD W/VALVES 10 OUTLETS 1/2" Q2501000	
1	EA	66639	LF2501200 1"CU MANIFOLD W/VALVES 12 OUTLETS 1/2"	

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Manifold Parts

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	66619	A2080020 LOOP END CAP	
10	EA	66563	A2080032 BASIC END CAP	
10	EA	66565	A2123210 BUSHING	
10	EA	66595	A4133210 R32X1"CU MANIFOLD ADAPTER	
10	EA	66616	A4143210 R32X3/4"CU MANIFOLD ADAPTER	
10	EA	66624	A2400020 3/4" END CAP GSKT	
10	EA	66623	A2400032 BASIC END CAP GSKT	
10	EA	66622	A2620005 MANIFOLD GASKET	
10	EA	66744	A2620015 FLOW/TEMPERATURE NIPPLE	
10	EA	66625	A2620050 TRUFLOW AUTO VENT W/ CHECK VALVE	
10	EA	66760	A2621010 UNION NIPPLE	
1	EA	66879	A2631250 TRUFLOW MANIFOLD SUPPLY/RETURN BALL VLVS	
1	EA	66621	A2803250 END CAP W/VENT	
1	EA	66765	A2913210 MANIFOLD THERMOMETER UNION	
10	EA	66748	A4153220 R32XR20 MANIFOLD ADAPTER AND ELBOW	
10	EA	66749	A4153225 R32XR25 MANIFOLD ADAPTER AND ELBOW	
10	EA	66649	Q4143210 R32X1" PEX MANIFOLD ADAPTER	
10	EA	66637	Q4143275 R32X3/4" PEX MANIFOLD ADAPTER	
10	EA	66759	Q4153210 R32X1" PEX MANIFOLD ADAPTER AND ELBOW	
10	EA	66758	Q4153275 R32X3/4" PEX MANIFOLD ADAPTER AND ELBOW	
10	EA	66669	Q5806375 5/8"PEX X 3/4"CU BALL VALVE	
10	EA	66668	Q5807575 3/4"PEX X 3/4"CU BALL VALVE	

Miscellaneous QS20 Accessories

10	EA	66180	A2620007 1.76 OZ SILICONE OIL	
10	EA	66764	A4010313 5/16" QUIK TRAK REPAIR COUPLING	
10	EA	68378	A4020375 3/8" FITTING ASSEMBLY	
10	EA	68403	A4020500 1/2" FITTING ASSEMBLY	
10	EA	68404	A4020625 5/8" FITTING ASSEMBLY	
10	EA	68405	A4020750 3/4" FITTING ASSEMBLY	
10	EA	68599	A4020313 5/16" QUIK TRAK FITTING ASSEMBLY	
1	PKG	66560	A4021000 3/4" O-RING 10/PKG	
1	PKG	66559	A4021116 3/8"-1/2"-5/8" O-RING 10/PKG	
10	EA	68406	A4322020 R20 X R20 COUPLING NIPPLE	
10	EA	68407	A4322050 R20 X 1/2NPT CONV NIPPLE	
10	EA	68408	A4322075 R20 X 3/4NPT CONV NIPPLE	
10	EA	68426	A4322525 R25 X R25 COUPLING NIPPLE	
10	EA	68427	A4322575 R25 X 3/4 NPT CONV NIPPLE	
10	EA	68409	A4332050 R20 X 1/2CU ADAPTER	
10	EA	68410	A4332075 R20 X 3/4CU ADAPTER	
10	EA	68411	A4332575 R25 X 3/4CU ADAPTER	
10	EA	68412	A4342050 R20 X 1/2CU FITTING ADAPTER	
10	EA	68413	A4342075 R20 X 3/4CU FITTING ADAPTER	
10	EA	68414	A4382075 R20 X 3/4CU BASEBOARD ELBOW	
10	EA	68415	A4392075 R20 X 3/4CU BASEBOARD TEE	
25	EA	68416	A5500500 1/2" PLASTIC BEND SUPPORT	
25	EA	68417	A5500625 5/8" PLASTIC BEND SUPPORT	
20	EA	68418	A5500750 3/4" PLASTIC BEND SUPPORT	
25	EA	68419	A5501000 1" PLASTIC BEND SUPPORT	
50	EA	66848	A5110375 3/8" METAL BEND SUPPORT	
25	EA	68420	F5120500 1/2" DROP EAR BEND SUPPORT	
25	EA	68421	F5120625 5/8" DROP EAR BEND SUPPORT	

EP Manifolds

1	EA	87017	A2670201 2 LOOP EP MANIFOLD WITH FLOW METER	
1	EA	87018	A2670301 3 LOOP EP MANIFOLD WITH FLOW METER	
1	EA	87019	A2670401 4 LOOP EP MANIFOLD WITH FLOW METER	
1	EA	87020	A2670501 5 LOOP EP MANIFOLD WITH FLOW METER	
1	EA	87021	A2670601 6 LOOP EP MANIFOLD WITH FLOW METER	
1	EA	87022	A2670701 7 LOOP EP MANIFOLD WITH FLOW METER	
1	EA	87023	A2670801 8 LOOP EP MANIFOLD WITH FLOW METER	

Propex Fittings

10	EA	68477	LF4501010 1"PEX X 1"CU FITTING ADAPTER	
10	EA	68474	LF4511010 1"PEX X 1"CU PROPEX LF BRASS SWEAT ADAPTER	

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1" Propex Copper Adapters

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25	EA	66210	LF4505075 1/2" PROPEX X 3/4" CU BRASS FITTING ADAPTER	
10	EA	68322	Q4020375 3/8" PEX FITTING ASSEMBLY	
10	EA	68435	Q4020500 1/2" PEX FITTING ASSEMBLY	
10	EA	68436	Q4020625 5/8" PEX FITTING ASSEMBLY	
10	EA	66181	Q4020750 3/4" PROPEX FITTING ASSEMBLY	
10	EA	66213	LF4507510 3/4" PROPEX X 1" CU BRASS FITTING ADAPTER	
25	EA	66211	LF4507550 3/4" PROPEX X 1/2" CU BRASS FITTING ADAPTER	
25	EA	66206	LF4517550 3/4" PROPEX X 1/2" CU BRASS SWEAT ADAPTER	
50	EA	68510	Q4690625 5/8" PEX WHITE RING (Q4680625)	
50	EA	66767	Q4690302 3/8" PEX BLUE RING	
50	EA	68489	Q4690512 1/2" PEX BLUE RING	
50	EA	68492	Q4690756 (Q4690752) 3/4" RING	
50	EA	68493	Q4691000 1" PEX WHITE RING	
10	EA	66205	Q4761000 1" PROPEX X 1" PROPEX EP ELBOW	

Multicolor Fittings

10	EA	66570	D4120500 1/2" MULTICOR FITTING ASSEMBLY	
10	EA	66571	D4120625 5/8" MULTICOR FITTING ASSEMBLY	
10	EA	66572	D4120750 3/4" MULTICOR FITTING ASSEMBLY	
10	EA	66604	D4143210 R32 X 1" MLC PRESS FTG MANIFOLD STRAIGHT ADAPTER	
10	EA	66602	D4143263 R32 X 5/8" MLC PRESS FTG MANIFOLD STRAIGHT ADAPTER	
10	EA	66603	D4143275 R32 X 3/4" MLC PRESS FTG MANIFOLD STRAIGHT ADAPTER	
10	EA	66610	D4153210 R32 X 1" MLC PRESS FTG MANIFOLD ELBOW ADAPTER	
10	EA	66607	D4153263 R32 X 5/8" MLC PRESS FTG MANIFOLD ELBOW ADAPTER	
10	EA	66608	D4153275 R32 X 3/4" MLC PRESS FTG MANIFOLD ELBOW ADAPTER	
10	EA	66574	D4515050 1/2" MLC X 1/2" CU BRASS ADAPTER	
10	EA	66576	D4517575 3/4" MLC X 3/4" CU BRASS ADAPTER	
10	EA	66581	D4525075 1/2" MLC X 3/4" NPT BRASS MALE THREADED ADAPTER	
10	EA	66685	D4541010 1" MLC X 1" MLC PRESS FTG BRASS COUPLING	
10	EA	66687	D4511010 1" MLC X 1" CU PRESS FTG BRASS ADAPTER	
10	EA	66561	D4545050 1/2" MLC X 1/2" MLC BRASS COUPLING	
10	EA	66564	D4547575 3/4" MLC X 3/4" MLC BRASS COUPLING	
10	EA	66548	D4527575 3/4" MLC X 3/4" NPT BRASS MALE THREADED ADAPTER	
10	EA	66567	D4710750 3/4" MLC X 3/4" MLC BRASS ELBOW	
10	EA	66686	D4711000 1" MLC X 1" MLC PRESS FTG BRASS ELBOW	

Controls

1	EA	66541	A3023522 FOUR WIRE THERMAL ACTUATOR, A3010522	
1	EA	68422	A3020522 MOTORIZED VALVE ACTUATOR	
1	EA	66617	A3031003 3 ZONE CONTROL MODULE	
1	EA	66618	A3030004 4 ZONE CONTROL MODULE	
1	EA	68579	A3030101 WIRSBO THERMOSTAT I	
10	EA	66819	A3040079 FLOOR SENSOR	
1	EA	66809	A3040512 SETPOINT 512 2-STAGE PROG CONTROLLER	
1	EA	66798	A3041501 SETPOINT 501S 1-STAGE SETPOINT CONTROLLER W/SENSOR	
1	EA	66799	A3041511 SETPOINT 511S 1-STAGE PROG CONTROLLER W/SENSOR	
1	EA	66597	A3080406 POWERED SIX-ZONE CONTROLLER	
1	EA	66598	A3080404 POWERED FOUR-ZONE CONTROLLER	

Heat Emission Plates, Quik Trak Panels, and Heat Transfer Plates

10	EA	68598	A5060702 7" QUIK TRAK RETURN PANEL	
1	EA	68597	A5060761 7"X48"X6 PREASSEMBLED QUIK TRAK PANEL	
20	EA	66573	A5080375 3/8" JOIST TRAK HEAT TRANSFER PLATE	
20	EA	66582	A5080500 1/2" JOIST TRAK HEAT TRANSFER PLATE	

Fasteners

1	PKG	68430	A7011250 1-1/4" STAPLES 10000/PKG	
1	PKG	66583	A7031000 FIXING WIRE 1000/PKG	
1	PKG	66584	A7040250 U-TUBE FSTNR 250/PKG	
1	PKG	68496	F7050750 1/2"-3/4" TUBE TALON 100/PKG	
1	PKG	68526	F7051258 1/2"-5/8" PEX CLIP-PLASTIC 100/PKG	
1	PKG	66768	F7060375 3/8" PEX CLIP-PLASTIC 100/PKG	

Continued on the Following Page

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Tools

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	BOX	68346	A7015050 1-1/2" FOAM STAPLE 300/BOX	
1	EA	66440	D6100500 1/2" MLC T-HANDLE CHAMFERING TOOL	
1	EA	66463	D6100625 5/8" MLC T-HANDLE CHAMFERING TOOL	
1	EA	66531	D6100750 3/4" MLC T-HANDLE CHAMFERING TOOL	
1	EA	66540	D6101000 1" MLC T-HANDLE CHAMFERING TOOL	
1	EA	66589	D6105063 3-WAY MULTICOR CHAMFERING TOOL	
1	EA	66599	D6275063 MLC PRESS FITTING MANUAL TOOL KIT	
1	EA	68434	E6021638 PNEUMATIC TUBING STAPLER KIT	
1	EA	66615	E6061000 PIPE UNCOILER	
1	EA	68505	E6081125 TUBE CUTTER	
1	EA	66586	E6090005 FIXING WIRE TWISTER	
1	EA	68433	E6091700 AUTO FIXING WIRE TWISTER	
1	EA	66587	E6111188 1-3/16" WRENCH	
1	EA	66588	E6111875 1-7/8" WRENCH	
1	EA	68425	E6122000 PRESSURE TEST KIT	
1	EA	66549	Q6310375 3/8" PROPEX EXPANDER HEAD	
1	EA	66703	Q6310500 1/2" PROPEX EXPANDER HEAD	
1	EA	68507	Q6310625 5/8" PROPEX EXPANDER HEAD	
1	EA	66740	Q6310750 3/4" PROPEX EXPANDER HEAD	
1	EA	66741	Q6311000 1" PROPEX EXPANDER HEAD	
1	EA	87016	Q6323810 PROPEX AUTO ROTATION ADAPTER	

Uponor Climate Control

Multifunction Hydronic Control



This control incorporates all mechanical functions required in radiant floor heating, boiler staging and control, domestic hot water (DHW), snow melt, zone pumping and supply water temperature mixing.

Input connections use a simple push-style connector and outputs use Cat5 cables and connector to control the output devices. Use the simple five-button display to set up and activate the functionality required for the individual installation.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	87013	A3509002 PROPANEL 90Z	
1	EA	87014	A3509500 PROPANEL 90M	
1	EA	87015	A3509502 PROPANEL 90MZ	
1	EA	87000	A8020000 CLIMATE CONTROL MULTIFUNCTION HYDRONIC CONTROL	
1	EA	87001	A9011001 OUTDOOR SENSOR F/ CLIMATE CONTROL	
1	EA	87012	A9012002 DHW SENSOR FOR CLIMATE CONTROL	
1	EA	87002	A9012010 BOILER CONTROL F/ CLIMATE CONTROL (ON/OFF)	
1	EA	87003	A9013001 SUPPLY AND RETURN SENSOR F/ CLIMATE CONTROL	
1	EA	87004	A9013022 1" MODULATING THREE WAY VALVE W/ CONTROL	
1	EA	87005	A9013023 1 1/4" MODULATING THREE WAY VALVE W/ CONTROL	
1	EA	87006	A9013030 PUMP CONTROL FOR CLIMATE CONTROL	
1	EA	87007	A9013051 SNOW MELT FOR CLIMATE CONTROL (INC SENSOR AND WELL)	
1	EA	87008	A9013052 AUTO SNOW AND ICE SENSOR (INC SENSOR AND CUP)	
1	EA	87009	A9030003 3 FEET CAT5 CABLE FOR CLIMATE CONTROL	
1	EA	87010	A9030007 7 FEET CAT5 CABLE FOR CLIMATE CONTROL	
1	EA	87011	A9030015 15 FEET CAT5 CABLE FOR CLIMATE CONTROL	



RaupeX O2 Barrier Pipe

For Radiant Heat Systems



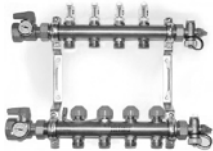
RAUPEX O2 Barrier pipe is the main component in the REHAU radiant heating system. This durable yet flexible PEXa pipe offers enhanced temperature/pressure capabilities and long-term strength. The oxygen diffusion barrier protects iron and steel system components against corrosion.

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

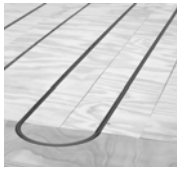
For Radiant Heat Systems



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	

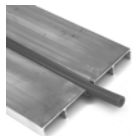
REHAU Rauboard
 For Radiant Heat Systems
 Unlimited Polymer Solutions



- 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)	

REHAU Heat Transfer Plates
 For Radiant Heat Systems
 Unlimited Polymer Solutions



These heavy gauge 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 GAUGE 1/2" HEAT TRANSFER PLATE RAUPEX	

REHAU Manifold Accessories
 For Radiant Heat Systems
 Unlimited Polymer Solutions

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

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	

REHAU Supports Bends & Guides

For Radiant Heat Systems

Unlimited Polymer Solutions

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	

REHAU Tools & Accessories

For Radiant Heat Systems

Unlimited Polymer Solutions

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	89668	200526-001 10.1 MM EVERLOC COUPLING	
1	EA	89696	213107- COMBOLOC COMBINATION EXPANSION/COMPRESSION TOOL	
1	EA	89655	257334 AIR PRESSURE TESTER KIT	
1	EA	89650	261216 EVERLOC STANDARD TOOL 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)	

REHAU Raupex Compression Nut Fittings

For Radiant Heat Systems

Unlimited Polymer Solutions



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)	

REHAU EVERLOC Fittings
For Radiant Heat Systems
Unlimited Polymer Solutions



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 proven performance. 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
40	EA	89669	243607 5/8" EVERLOC SLEEVE	
80	EA	89670	260577-101 3/4" EVERLOC SLEEVE	
40	EA	89671	260877-101 1" EVERLOC SLEEVE	

EVERLOC Adapters

65	EA	89672	260017-101 1/2" EVERLOC X 3/8" C FS OR 1/2" MALE STREET	
65	EA	89673	260047-101 1/2" EVERLOC X 1/2" C FEMALE (SWEAT)	
30	EA	89674	243637-101 5/8" EVERLOC X 1/2" C MALE ST OR 3/4" FEMALE(SWEAT)	
25	EA	89675	260807-101 3/4" EVERLOC X 1" C FEMALE SW	
35	EA	89676	260827-101 3/4" EVERLOC X 3/4" C MALE ST OR 1/2" FEMALE (SWEAT)	
25	EA	89677	260837-101 3/4" EVERLOC X 1" C MALE ST OR 3/4" FEMALE (SWEAT)	
25	EA	89678	260417-101 1" EVERLOC X 1" C MALE STREET OR 3/4" C FEMALE(SWEAT)	
20	EA	89679	260947-101 1" EVERLOC X 1 1/4" C MALE ST OR 1" C FEMALE (SWEAT)	

EVERLOC Dual MPT Adapters

50	EA	89680	243537-101 3/8" EVERLOC X 1/2" MPT OR 1/2" C FEMALE (SWEAT)	
45	EA	89681	260237-101 1/2" EVERLOC X 1/2" MPT OR 1/2" C FEMALE (SWEAT)	
35	EA	89682	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	



ProPEX Expansion Tool Kit and Accessories



- Built-in auto rotate mechanism for effortless, one-handed use
- Quick cam mechanism for fast, continuous expansion
- Compact, right angle design for use in tight locations
- All-metal gears and integrated metal frame for maximum jobsite durability
- Paddle trigger for easy reach in confined spaces
- Expansion heads
- Auto-rotate compatibility fits most Uponor tools
- Chrome plated for weather and corrosion resistance
- Color coded rings for easy size recognition

Expansion Tool Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81120	2432-22 M12 PROPEX EXPANSION TOOL KIT	

Accessories

1	EA	81121	49-16-2403 M12 3/8IN PROPEX EXPANSION HEAD	
1	EA	81123	49-16-2405 M12 5/8IN PROPEX EXPANSION HEAD	



Foamboard Stapler For In-Floor Radiant Heating Installations

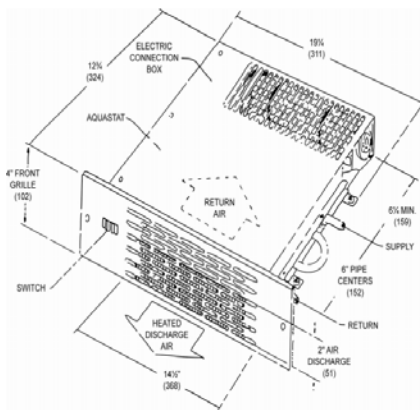
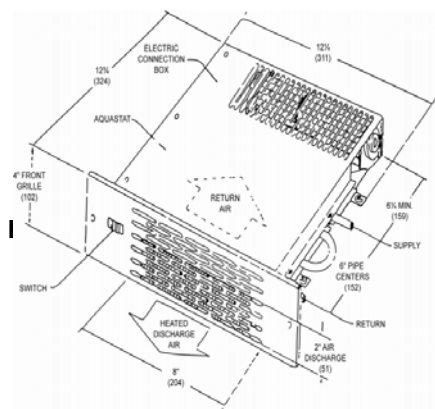
- Operates from a comfortable standing position
- Ergonomic D-grip handle
- Durable lightweight construction
- Cleaner staple feed
- Smoother stapling action



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80898	FBSN FOAMBOARD STAPLER	



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) Model	Entering Water Temperature (°F)											Friction Loss (Heads)
	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 front 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 is 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	

Honeywell AquaPump

Three-speed Circulatory Pumps



AquaPump eliminates the guesswork in the boiler room. With three sizes, multiple speeds for each size and the unique Twist-to-Fit flange, AquaPump has you covered for every application. And 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 filter 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.

Super Brute, 3-Speed Pumps, Cast Iron Body, Flange Mount, 115 Volt

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	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, Bronze Body, Flange Mount, 115 Volt

1	EA	66320	UPS26-99BFC 3-SPD BRONZE PUMP L/FLANGE W/CHECK VALVE	
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	
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GRUNDFOS  **Alpha Series Circulator Pump**



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 four seconds between power consumption and the flow indicator, showing the relative estimated flow rate in gallons per minute.
- A one-touch, button-type interface permits the user to toggle quickly and easily among seven different hydraulic operating modes; three fixed speeds, three 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 season, and heat losses or gains affecting room temperature.

Power cord included.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66627	ALPHA 15-55 F/C VARIABLE SPEED CAST IRON PUMP L/FLANGE	

GRUNDFOS  **Packaged 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	
UPS15-58FC, UPS26-99FC, Alpha	1	SET	66422	519604 1 1/2" GF 15/26 CAST IRON FLANGE SET	
UP15-18SF, UP15-42SF, UP25-64SF	1	SET	66424	519651 3/4" BRONZE FLANGE SET	
UP15-18SF, UP15-42SF, UP25-64SF	1	SET	66425	519652 1" BRONZE FLANGE SET	
UPS43-44FC	1	SET	66423	539605 1 1/2" GF 40/43 CAST IRON FLANGE SET	
UP43-75BF	1	SET	66426	539615 1 1/2" BRONZE FLANGE SET	

For Union Mounted Pumps

For Use with the Following Models	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	

Flange Gaskets

For Use with the Following Models	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	

Bell & Gossett Hydronic Specialties



ATF Tank Fitting



Backflow Preventer



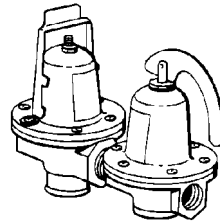
B-38 & B7-12



FB-38 Reducing



DT2 Drain-O-Tank



F-3



SA Flo Control

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 Preventer

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.

Reducing Valves

Reducing valves fill the system to a preset pressure for optimum performance.

- Fast fill feature reduces start-up time and labor.
- Low inlet pressure check valve helps prevent loss of system pressure if the supply water drops below system pressure.
- Convenient cleanable strainer is designed to prevent dirt and sediment from entering the system.
- Union connection available with 1/2 inch male NPT thread and 1/2 inch female sweat tail-piece for fast, flexible system connection.
- Brass body construction is highly resistant to corrosion.

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 psig

Maximum Operating Temperature: 240° F

Flo-Control™ Valves

- Flo-Control Valves prevent gravity flow in forced hot water systems, and permit summer/winter operation of indirect water heaters.
- Combination straight/angle configurations in sizes 3/4 inch to 1-1/2 inch for ease of installation.
- Removeable top cap allows easy cleaning and service without removing pipe connections.
- 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 TANK FITTING	
12	EA	65350	112010 ATF-12 TANK FITTING	

Backflow Preventer

1	EA	65336	40-4A3-3AM 110914 1/2" BACKFLOW PREVENTER	
5	EA	52800	113-D25 1/2 X 2 1/2 BRASS NIPPLE	

Relief, Reducing, Combination Valves, and Drain-O-Tank Air Charger

12	EA	65332	110190LF B-38 1/2 IN REDUCING VALVE	
1	EA	65334	110192 FB-38 1/2 IN REDUCING VALVE W/FASTFILL	
12	EA	65333	110196 B7-12 3/4 IN REDUCING VALVE	
1	EA	65338	110197LF F-3 1/2 IN BRASS DUAL UNIT VALVE W/FASTFILL	
1	EA	65335	113041 DT2 DRAIN-O-TANK AIR CHARGER	
1	EA	65286	189160 STRAINER AND GASKET	

Flo-Control Valves Straight-Angle Pattern

6	EA	65345	107034 SA3/4 IN FLO CONTROL VALVE	
6	EA	65346	107018 SA1 IN FLO CONTROL VALVE	
6	EA	65347	107019 SA1-1/4 IN FLO CONTROL VALVE	
6	EA	65348	107020 SA1-1/2 IN 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 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

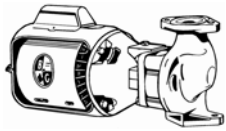
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68531	T-451 1IN CHECK VALVE	
1	EA	68532	T-451 1 1/4IN CHECK VALVE	

T-451 No Lead Check Valves

1	EA	52706	105-105NL 1 IN T-451 CHECK VALVE NO LEAD	
1	EA	52705	105-104NL 3/4 IN T-451 CHECK VALVE NO LEAD	
1	EA	52707	105-106NL 1-1/4 IN T-451 CHECK VALVE NO LEAD	



Booster Pumps, Circulators, and Flanges

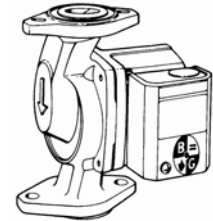


100 Series

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

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 (LR20-WR) 1/20HP CAST IRON PUMP L/FLANGES	
1	EA	65362	106197 100BNFI 1/12HP BRONZE PUMP L/FLANGES	
1	EA	65363	106189 100NFI 1/12HP CAST IRON PUMP L/FLANGES	
1	EA	65366	102214 2NFI 1/6HP 2IN CAST IRON PUMP W/FLANGES	
1	EA	65369	102210 HVNFI 1/6HP 1IN 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	103418 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	

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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	101227 1"SWT X FLG ISOLATION FLANGE W/BALL VALVE	
1	PR	65264	101228 1-1/4"SWT X FLG ISOLATION FLANGE W/BALL VALVE	

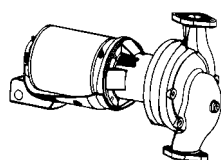
HV Flanges

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	186862 SEAL KIT #1	
PD-38-39-40, Series 60, Series 90, 1535	1	EA	65681	186499 SEAL KIT #2	
	1	EA	65684	118681 SEAL KIT #7	
1510, 1531, Series 80	1	EA	65683	186543 SEAL KIT #8	

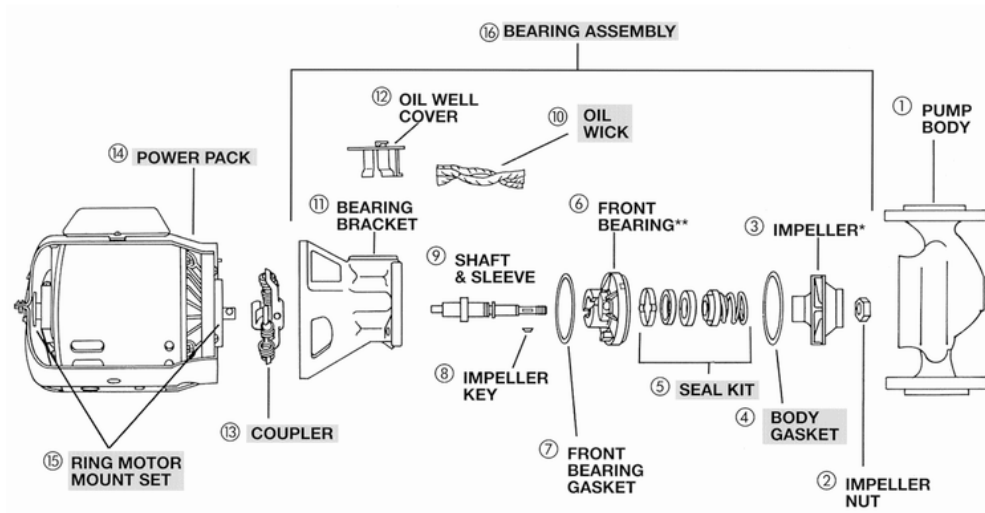
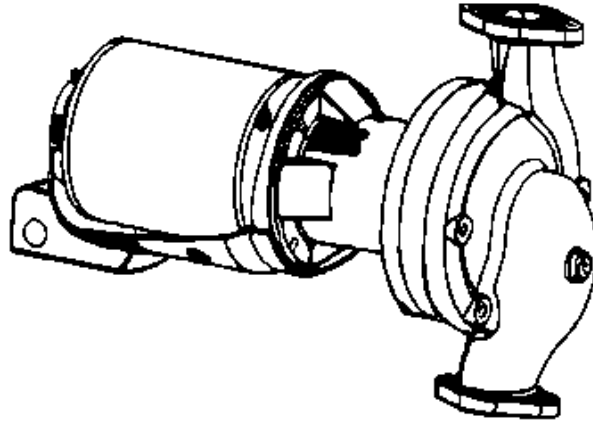
 **Bell & Gossett Series 60 Inline Centrifugal Pumps**



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	65703	172708 605S 115/230V 1/3HP 1PH PUMP	
1-1/4	1-1/4	1	EA	65704	172667 606S 115/230V 1/2HP 1PH PUMP	
1-1/2	1-1/2	1	EA	65705	172668 609S 115/230V 3/4HP 1PH PUMP	
2	2	1	EA	65706	172669 612S 115/230V 1HP 1PH PUMP	
1-1/4	1-1/4	1	EA	65707	172732 605T 208/230/460V 1/3HP 3PH PUMP	
1-1/4	1-1/4	1	EA	65708	172733 606T 208/230/460V 1/2HP 3PH PUMP	
1-1/2	1-1/2	1	EA	65710	172739 609T 208/230/460V 3/4HP 3PH PUMP	
2	2	1	EA	65712	172745 612T 208/230/460V 1HP 3PH PUMP	

B & G Bell & Gossett **Parts Identification**

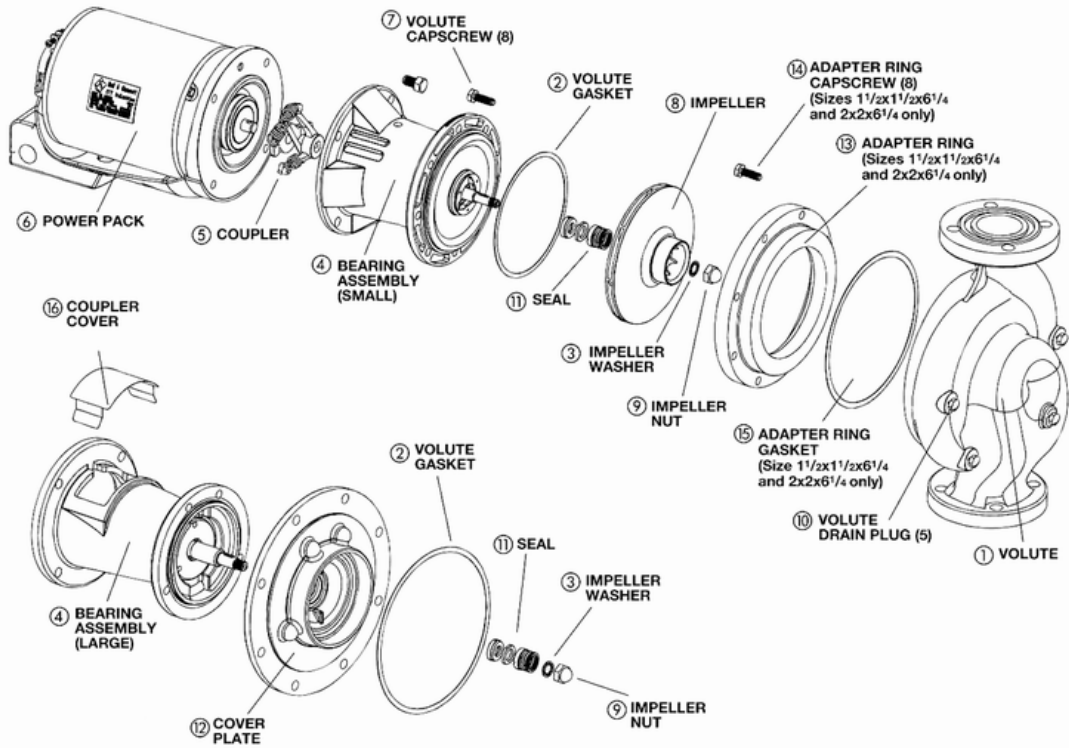


Circulator replacement parts for Series 100, Series HV, 2?, PR, 2-1/2?, LD-3 and HD-3 Models.

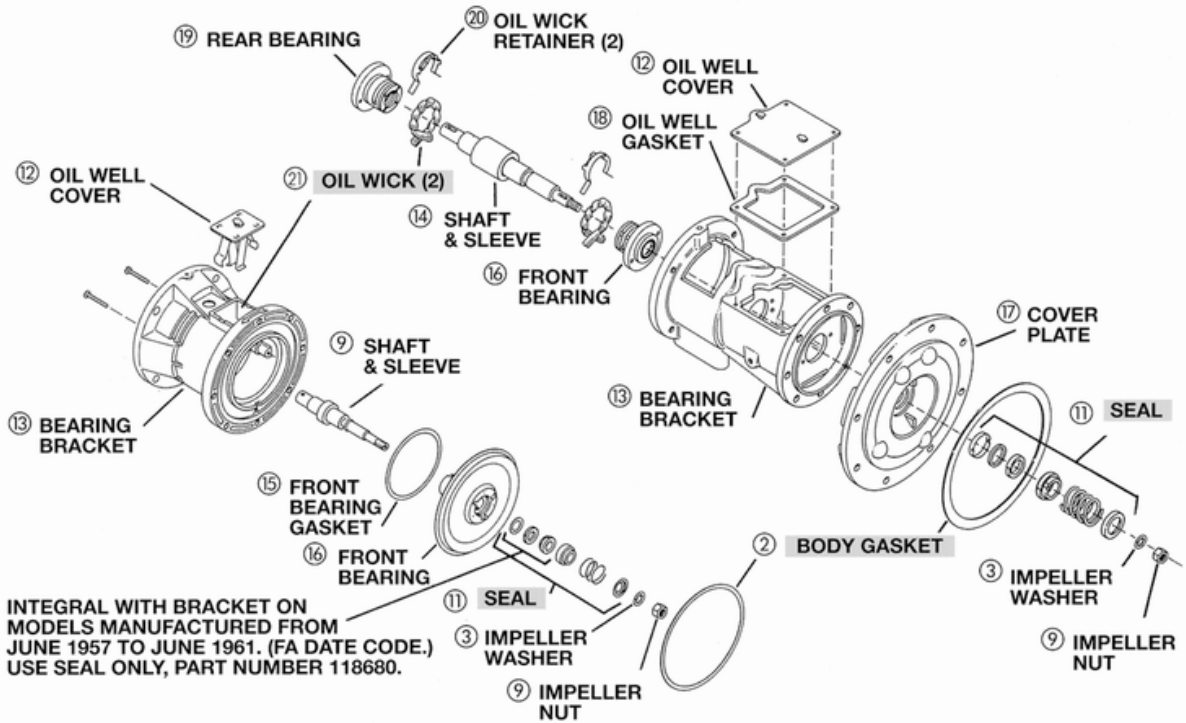
* Impeller not always included in bearing assembly.

** Shown rotated 90°.

B & G Bell & Gossett **Parts Identification**



NOTE: Use liquid sealant in place of bearing gaskets on PD38, PD39, and PD40 pumps.



PD 35 & 37,
 SERIES 60 "AA"
 & SERIES 1522

PD 38, 39 & 40
 SERIES 60 "A"
 & SERIES 60 2 1/2 F


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	
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	
100 BI, 100 AB	1	EA	65470	118431 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 COUPLER	
100 NFI, 100 BI	1	EA	65403	118844 BEARING ASSY	
100 AB, 100 BNFI	1	EA	65398	189034 BRONZE BEARING ASSY	
Stamped Steel, 100 NFI, 100 BI, 100 AB, 100 BNFI	1	EA	65391	189110 COUPLER	
100 NFI, 100 BNFI	1	EA	65405	189132 IMPELLER	
—	1	EA	65399	L23401 B & G PUMP OIL TUBE	
100 NFI, 100 BI, 100 AB, 100 BNFI	1	EA	65389	P04080 BODY GASKET	

Parts for Little Red (LR)

100 NFI, 100 BI, 100 AB, 100 BNFI	1	SET	65380	118368 FLANGE GASKET SET	
	1	EA	65543	189141 SEAL REPAIR KIT	

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 1/6 HP 5 IN 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	189128 IMPELLER	
—	1	EA	65431	189165 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	118065 GASKET SET	
1	EA	65407	118436LF IMPELLER	
1	EA	65660	118668 IMPELLER	
1	EA	65684	118681 SEAL KIT #7	
1	EA	65432	189162 BEARING ASSY CI OR BRNZ	
1	EA	65433	189163 BEARING ASSY CI OR BRNZ	

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 1/4HP 115V MOTOR	
HD-3	1	EA	65342	111042 1/3HP 115/230V MOTOR	
PR	1	EA	65368	111031 1/6 HP 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	
PR	1	SET	65380	118368 FLANGE GASKET SET	
—	1	SET	65657	118395 OIL WICK	
—	1	EA	65546	118440 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 COUPLER	
—	1	EA	65650	189105 BEARING ASSY	
PR-Stamped Steel	1	EA	65391	189110 COUPLER	
—	1	EA	65399	L23401 B & G PUMP OIL TUBE	
—	1	EA	65653	P05800 BODY GASKET	

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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	65670	118708 COUPLER	
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	65638	169037 1/4HP 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	65225	185140 1-1/4" SHAFT SLEEVE	
	1	EA	65226	185142 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 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-F7 Cartridge Circulator

The 007-F7 features a high efficiency design and a unique black iron oxide barrier to resist system dirt. It provides the same 007 performance with lower power usage. The cartridge is easily accessed for removal and service.

110 Red Baron Circulator

This circulator, designed for residential or light commercial hydronic systems 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, reduces installation costs, 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 specifically designed for high head/high flow applications in large residential and light commercial systems. Universal flange dimensions and orientation allows the 0013 to easily replace other models. Compact low power consumption design makes it ideal for high-efficiency jobs.

- The 0015 pump is designed for the wide range of flow and head requirements of today's hydronic heating systems. 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.

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

The Viridian VT2218 circulator is a temperature sensing, self-adjusting, variable speed wet rotor circulator with an ECM permanent magnet motor. Operating modes include Delta-T differential temperature, 4 fixed speeds, set point heat, set point 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 without draining the systems. Sweat connections rated for 240° F, 150# wp. Solid brass body with chrome plated brass ball valve.

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	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	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	
1	EA	65743	110-525BSF 1-1/4IN BRONZE SWEAT 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	DESCRIPTION	PC-1 EACH
005-0011, 0013-0015, 00R, 110-113, 2400-10/20/45/50			1	EA	83728	SF-075S 3/4IN BRASS SHUT-OFF SWIVEL FLANGE	
005-0011, 0013-0015, 00R, 110-113, 2400-10/20/45/50			1	EA	83729	SF-100S 1IN BRASS 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 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	65420	PC700-2 BOILER RESET CONTROL	
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	
1	EA	61598	ZVC-403 3 ZONE VALVE CONTROL WITH PRIORITY	
1	EA	63898	ZVC406-EXP-4 6 ZONE VALVE CONTROL W/PRIORITY AND POWER PORTS	

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	1	EA	65770	007-042RP CAST IRON CARTRIDGE	
007 Pump	6	EA	65767	007-045RP BRONZE CARTRIDGE	
110, 11, 12, 13, 17B	1	EA	65772	110-009RP TACO COUPLER	
007 & 100 Pumps	1	SET	65764	110-023RP FLAT FLANGE GASKET SET	
HC, 110, 110C	1	EA	65773	110-361RP TACO BRACKET ASSEMBLY	
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	
1600 Pump	1	EA	65771	1624-053RP COUPLER	
1/2" Zone Valve	1	EA	65760	E050C2-3 1/2IN SWEAT ELECTRONIC BALL VALVE	
654 Zone Valve	1	EA	65424	SR024-001RP 24VOLT REPLACEMENT RELAY	
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



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

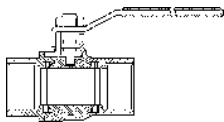
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
1	EA	65422	HTX90 #90 15 GALLON TANK		
1	EA	65441	HTX15 #15 2.1 GALLON TANK		
1	EA	65442	HTX30 #30 4.5 GALLON TANK		
1	EA	65443	HTX60 #60 6 GALLON TANK		
1	EA	65119	SXHT 30 15 GALLON FLOOR MOUNT TANK		
1	EA	65120	SXHT 60 33 GALLON FLOOR MOUNT TANK		
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® 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

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-5	PC-2 6
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

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.

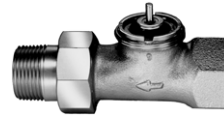
Control Range: 46 to 83° F.

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.



T104B



V110D

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.



V110F

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

Delivery: 12 gpm

Series WCS: Steel Receiver Condensate Unit

Motor Horsepower: 1/3

Capacity Up to: 8,000 Sq. Ft. EDR

Receiver Capacity: 9 Gallons

Discharge Pressure: 21 psig

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	



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	



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	



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	



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	



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	



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	

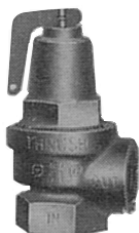


Pressure Relief and Safety Valves



335 ASME Water Pressure Relief Valve

- Compact pressure relief valve for smaller hot water boilers.
- Bronze body
- Female inlet and outlet connections



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

374

- Iron body
- Forged bronze female inlet



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

415

- Brass body
- NPT threaded male inlet and threaded female outlet (drain) connections

Size (In.)	Capacity at Set Pressure	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
3/4	510,000 BTU/Hr at 30 psi	50	EA	65736	335-M1 335M2-030 3/4IN 30 PSI 0342670 PRESSURE RELIEF VALVE		
3/4	650,000 BTU/Hr at 30 psi	25	EA	65591	174A 274683 3/4IN 100PSI WATER PRESSURE RELIEF VALVE		
3/4	550,000 BTU/Hr at 30 psi	25	EA	65590	374A 358553 3/4IN 30PSI WATER PRESSURE RELIEF VALVE		
3/4	375 lbs./hr. at 15 psi	25	EA	65595	315-M1 342615 3/4IN X 3/4IN 15PSI STEAM SAFETY VALVE		
3/4	450 lbs./hr. at 15 psi	25	EA	65596	415-M1 346045 3/4IN X 3/4IN 15PSI STEAM SAFETY VALVE		



P&T Relief Valves



1XL and 100XL: temperature relief 210° F.

Replacement of P&T Valves: 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
25	EA	65709	1XL 1/2IN 125PSI TEMPERATURE & PRESSURE RELIEF VALVE		
50	EA	65702	100XL 66090 3/4IN 125PSI TEMPERATURE & PRESSURE RELIEF VALVE		
50	EA	65711	100XL 66100 3/4IN 150PSI TEMPERATURE & PRESSURE RELIEF VALVE		



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62066	9000071005 5/8IN T&P VALVE 150#	



Gauge Glass and Cutter for Steam Boilers



H1-18 Gauge



GGW-6812



The 997 Gauge Glass Cutter cuts up to 3/4" O.D. glass and also cuts oil burner insulators.

Gauge Glass Cutter

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 become the industry standard for dependable long life service. The high capacity float style vents can be placed either on the boiler or at the high points throughout the system. Now with operating pressure ratings of up to 250 psi, the brass body, nickel plated vents meet the system requirements of even the largest installation. The vents are also easily serviceable if needed, by just 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



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		

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.

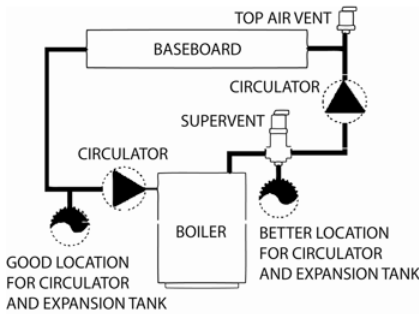
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	74975	EA122A1002 1/8 INCH AIR VENT	

Honeywell Honeywell Supervent

Hydronic Air Elimination Products



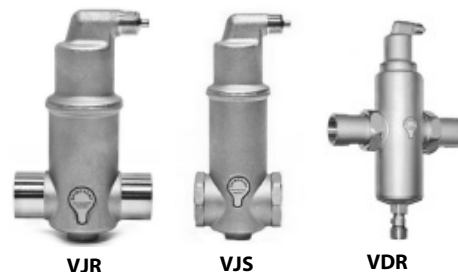
The unique design of the Honeywell PV Series SuperVent breaks apart air bubbles, absorbs stagnant air pockets and eliminates troublesome air from hydronic heating systems. This results in the elimination of annoying gurgling and sometimes costly maintenance. Its rigged design stands up to tough conditions 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	

SPIRO THERM Air Elimination Devices



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	



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	LFM02435-1 24VAC MANUAL RESET 3/4IN NPT PROBE W/TEST BUTTON	
1	EA	64409	LFA12035-1 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



No. 63



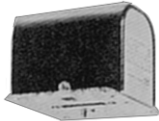
No. 67



150S



RB-24



RB-122-E



No. 14-B



No. 6667



FS4-3



SA150

63
The control that pioneered the use of low water cut-offs on hot water boilers. Features heavy duty construction throughout.

67
The 67 cut-off will dependably interrupt the current to the burner when the water level falls into the danger zone. For use on boilers of any size, maximum steam pressure is 20 lbs.

150S
For commercial and industrial low or high pressure boiler applications. For boilers of any steaming capacity. Monel bellows provides corrosion resistance.

RB-24E
Automatic reset feature resumes operation after a power outage when water is on probe. Solid state operation. 15,000 ohms probe sensitivity.

RB-122-E
The RB-122-E is used for residential applications and has electronic operation. It is easy to install and wire. Features an automatic reset and there is no blow down required.

14-B
Blow-off valve for use with the 67 Series Cut-off.

6667
The 6667 is a complete replacement operating mechanism for the 67 Series. For 115V or 230V circuits.

FS4-3
Liquid flow switch has a universal design to serve the widest variety of applications.

SA150-124
A 3-wire cut-off and alarm switch for the 150 series.

SA150-125
A 2-wire pump switch.

Low Water Cut-Offs

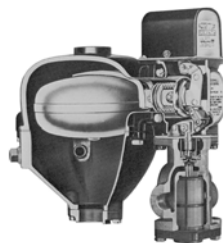
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65488	63 LOW WATER CUT-OFF FLOAT TYPE FOR STEAM AND HOT WATER BOILERS	
1	EA	65480	67 LOW WATER CUT-OFF FLOAT TYPE FOR STEAM BOILERS	
1	EA	65814	150S LOW WATER CUT-OFF FLOAT TYPE FOR STEAM BOILERS	
1	EA	65986	80160718 751P-MT-120 LOW WATER CUT-OFF F/HOT WATER	
1	EA	65980	104206-1 PS-802-24V (80160720) LOW WATER CUT-OFF F/STEAM	
1	EA	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

1	EA	65477	14-B BLOW DOWN VALVE	
1	EA	65815	150S-HD HEAD MECHANISM	
1	EA	65495	6667 MECH MCD-M HEAD MECHANISM	
1	EA	65491	FS4-3 LIQ FLOW SWITCH	
1	EA	65493	SA150-124 MCD-M SWITCH	
1	EA	65494	SA150-125 MCD-M SWITCH	

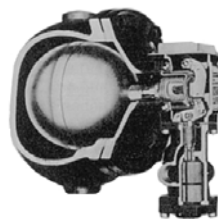


Feeder Cut-Off



47-2
For the closed steam heating system boilers 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.

AA47 Valve and Strainer Assembly is used with the 47-2 feeder cut-off.



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.

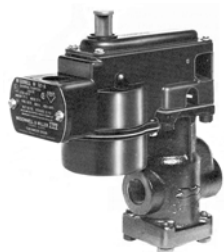
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65482	47-2 FEEDER CUTOFF	
1	EA	65485	51-2 FEEDER-CUTOFF	

Parts

1	EA	65479	SA47-101-102 VALVE & STRAINER ASSEMBLY	
1	EA	65496	MA259 MCD-M HOOK-UP FITTING	

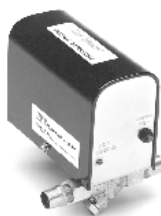


Electric Water Feeders



101A
The same packless construction, straight thrust action, and built-in strainer perfected in other McDonnell Feeders. Closes drip tight after operating, against supply pressures up to 150 PSI.

101A-24 Feeder is for gas fired boilers with low voltage.



WF2
For low pressure steam boilers with cold water feed. The universal design simplifies selection and reduces stock.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	65483	101A 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 steam, 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 1/4 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 Cadmium Sulfide Flame Detector and a 24V thermostat.

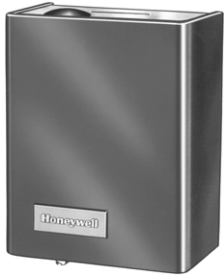
Model No.	Switching	Adj. Control Range (°F)	Differential (°F)
R8182D*	High Limit, SPST	130 to 240	10 Fixed
	Low Limit/ Circulator, SPDT	110 to 220	10 to 25 Adj.

*Auxiliary 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		Setpoint Temperature Range		Volts	
			(F)	(C)	(F)	(C)	Sensor Element	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.

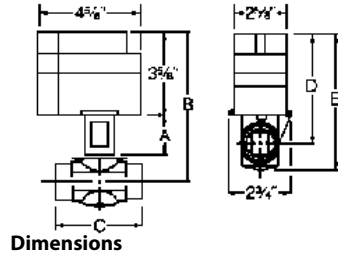
Motor

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.

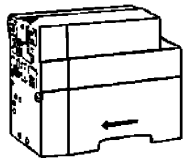
Electrical Rating of Auxiliary Switch: 2.0A at 24 Vac
CAUTION: Do not attempt to change valve assembly without draining boiler or while boiler water is hot. Failure to relieve water pressure or to wait until water cools could result in scalding injuries.

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	3/4"	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.

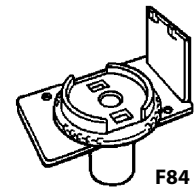
STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75489	1311-103 1IN ZONE VALVE	
1	EA	75571	1311-102 3/4IN ZONE VALVE	
1	EA	75490	1361-102 3/4IN ZONE VALVE	
1	EA	75491	1361-103 1IN ZONE VALVE	
1	EA	75763	1361-104 1-1/4IN ZONE VALVE	

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	



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	



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	76165	TYPE 262 TWO STAGE BOILER & DHW CTL	
1	EA	76166	TYPE 274 (264) FOUR STAGE BOILER CTL	

Heating Controls

1	EA	76168	TYPE 367 ZONE CTL	
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Snow Melting Controls

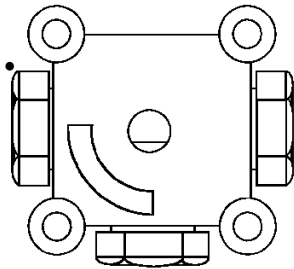
1	EA	76171	TYPE 650 SNOW MELTING CTL	
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Miscellaneous Controls

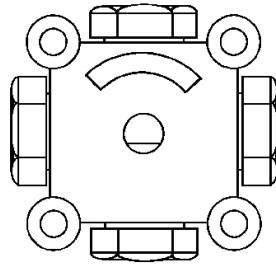
1	EA	76174	TYPE 071 UNIVERSAL SENSOR	
1	EA	76175	TYPE 076 INDOOR SENSOR	



ESBE Valves and Controls



3-way Valve



4-way Valve

3-way and 4-way Valves, 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.

VM62M 24V Actuator with Auxiliary Switch

The ESBE Series 60 compact control motor is designed for operating ESBE rotary mixing valves up to 1-1/2". Reversible motor with fixed limit switches for 90° operating range. 24 Vac 50/60 Hz. and 60" connection cable attached.

Ambient Temperature Range: 22 to 130° F.

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	68380	3MG20-6.3 3/4"NPT 7.3CV 3-WAY VALVE	
1	EA	68381	3MG25-12 1"NPT 14CV 3-WAY VALVE	
1	EA	68382	3MG32-18 1 1/4"NPT 21CV 3-WAY VALVE	
1	EA	68383	3G40 1 1/2"NPT 35CV 3-WAY VALVE	

Four-way Threaded Mixing or Diverting Valves

1	EA	68394	4MG20S 3/4" SWEAT 4-WAY VALVE	
1	EA	68395	4MG25S 1" SWEAT 4-WAY VALVE	
1	EA	68396	4MG32S 1 1/4" SWEAT 4-WAY VALVE	

Four-way Sweat Mixing or Diverting Valves

1	EA	68386	4MG20-6.3 3/4"NPT 7.3CV 4-WAY VALVE	
1	EA	68387	4MG25-12 1"NPT 14CV 4-WAY VALVE	
1	EA	68388	4MG32-18 1 1/4"NPT 21CV 4-WAY VALVE	
1	EA	68389	4G40 1 1/2"NPT 35CV 4-WAY VALVE	

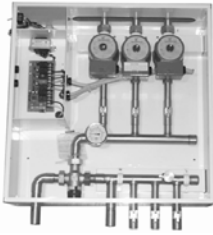
Controls and Accessories

1	EA	68391	VM62EM 24V 45 IN.LB FLOATING ACTUATOR W/AUX SWITCH	
1	EA	68392	TC62D RESET CONTROLLER	



Hydronic Control Panels

For Use with Open Potable or Closed Hydronic Systems



These hydronic control panels were developed to help you save time, reduce field costs, and simplify installation. With various styles to choose from, we have a fit for all your heating requirements.

Features

- Factory prewired printed circuit boards for simple field wiring.
- Dynamic pump duty cycle timer prevents water stagnation and prolongs circulator life.
- Auxiliary and main pump relays.
- On/Off switch and indicator light.
- Circuit board can be used with potable water or boiler systems.
- Priority zone function on all panel circuit boards.
- Prepipd, prewired panels guarantees systems performance.
- Combinations of high and low temperature zones in one panel.
- Reliable off the shelf components.
- All units are CSA NRTL/C approved.

Standard Equipment Includes

- Powder coated cabinet (appliance finish).
- Tempering valve.
- Zone circulator.
- Thermometer.
- Indicator lights (zone operation).
- Boiler contacts (dry).
- Zone pump controller.
- Optional zone valve terminals.
- Auxiliary 24 volt terminals.
- 40VA 110/24 volt AC transformer.
- Low voltage fuse protection.
- Timer circuit board with 5 min./24 hour domestic water protection option.

HP100002

- Additional zone circulator
- Check valves (not installed)
- Priority zone function (optional zone 1)

HP100003, HP100004, HP100312, HP100413

- On-Off switch
- Pilot light (power on/off)
- Additional zone circulators
- Check valve (installed)
- Priority zone function (optional zone 1)
- Zone isolation valves
- Mounting hardware

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	75706	HP100002 TWO PUMP LOW TEMP HYDRONIC CONTROL PANEL	
1	EA	75707	HP100003 THREE PUMP LOW TEMP HYDRONIC CONTROL PANEL	
1	EA	75708	HP100004 FOUR PUMP LOW TEMP HYDRONIC CONTROL PANEL	
1	EA	75709	HP100312 1HI-2LO TEMP COMBO HYDRONIC CONTROL PANEL	
1	EA	75710	HP100413 1HI-3LO TEMP COMBO HYDRONIC CONTROL PANEL	

state 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			

state 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			



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
- Factory-installed power cord included with indoor models
- Complies with lead free standards

- Suitable for commercial application (540 models)
- Easy-link up to 4 units with no additional parts or accessories needed (540 model)
- Multi-link up to 20 units (540 models only)
- 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

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-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

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	62372	9007605005 ISOLATION VALVE KIT	

Honeywell Water Filters for Noritz Tankless Water Heaters

Sediment removing, reverse rinsing, rinsable

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	
1	EA	74232	F76S 1031 WATER FILTER 1 1/4 INCH SWEAT & THREADED MNPT	
1	EA	74233	MV876B 1018 MOTORIZED BACKWASH FOR ALL F76S	



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		277V is Special Order Only
30	3	88216	*	
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	9003754005	120V 1.5KW 1 ELEMENT CONV KIT FOR PCE COMM ELEC HTR	
10	EA	88246	9003760005	277V 2.5KW 1 ELEMENT CONV KIT FOR PCE COMM ELEC HTR	
10	EA	88243	9003767005	208V 2.5KW 1 ELEMENT CONV KIT FOR PCE COMM ELEC HTR	
10	EA	88238	9003768005	208V 3 KW 1 ELEMENT CONV KIT FOR PCE COMM ELEC HTR	
10	EA	88247	9003771005	208V 4.5KW 1 ELEMENT CONV KIT FOR PCE COMM ELEC HTR	
10	EA	88241	9003773005	208V 6KW 1 ELEMENT CONV KIT FOR PCE COMM ELEC HTR	
10	EA	88242	9003793005	208V 5KW 2 ELEMENT CONV KIT FOR PCE COMM ELEC HTR	
10	EA	88240	9003794005	208V 3KW 2 ELEMENT CONV KIT FOR PCE COMM ELEC HTR	
10	EA	88239	9003797005	208V 4.5KW 2 ELEMENT CONV KIT FOR PCE COMM ELEC HTR	
1	EA	88244	9003809005	480V 6KW 2 ELEMENT CONV KIT FOR PCE COMM ELEC HTR	



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

Gallons	KW	Water Heater + Conversion Kit (By Bercor No.)		
		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

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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	9003334005	208V 15KW 3 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88218	9003336005	208V 9KW 3 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88220	9003337005	208V 12KW 3 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88230	9003338005	208V 27KW 6 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88228	9003339005	208V 30KW 6 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88221	9003340005	208V 18KW 6 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88223	9003341005	208V 24KW 6 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
1	EA	88229	9003343005	208V 45KW 9 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88233	9003346005	240V 15KW 3 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88227	9003347005	240V 18KW 3 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88237	9003349005	240V 9KW 3 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88232	9003355005	240V 24KW 6 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88231	9003361005	480V 15KW 3 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88219	9003362005	480V 18KW 3 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88224	9003364005	480V 9KW 3 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88235	9003365005	480V 12KW 3 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88225	9003368005	480V 36KW 6 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88226	9003369005	480V 18KW 6 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88236	9003370005	480V 24KW 6 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	
10	EA	88234	9003373005	480V 54KW 9 ELEMENT CONV KIT FOR CSB COMM ELEC HTR	



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	

state WATER HEATERS **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	

state WATER HEATERS **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
SUF130-400NEA	130	400,000	582	465	332	75-1/2	33-1/8	4	1-1/4	855

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62686	SUF100-250NEA ASME STATE COMM NAT DIRECT VENT HTR	
1	EA	62692	SUF130-400NEA ASME STATE COMM NAT DIRECT VENT HTR	
1	EA	62694	SUF100-199NE STATE COMM NAT DIRECT VENT HTR	

state WATER HEATERS **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	

state WATER HEATERS **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	

state WATER HEATERS **Commercial Water Heater Parts**

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	66971	9002729005 NAT HONEYWELL REPLACEMENT IGN MODULE	
1	EA	62716	9000728015 2" SHANK T&P VALVE	
1	EA	62728	9000547005 R/S NAT COMM GAS CONTROL VALVE	
1	EA	62698	9000913005 W/R COMM THERMOSTAT W/ECO	
1	EA	62711	9000954005 R/S NAT COMM GAS CONTROL VALVE	
1	EA	62693	9001571005 3/4IN R/S CONT & T'COUP NAT GAS CONTROL VALVE	
1	EA	62741	9001656005 T & P VALVE	
1	EA	62702	9002226005 R/S NAT IGNITION MODULE	
1	EA	62731	9002398005 NAT PILOT W/SPARK IGN	
1	EA	62729	9002537005 6IN BASE STYLE FLUE DAMPER ASSEMBLY	
1	EA	62727	9002538005 7IN FLUE DAMPER ASSEMBLY	
1	EA	66970	9002834005 RREPL-PRECISION SPEED NAT PILOT W/SPARK IGN	
1	EA	62705	9004099215 CLEANOUT GASKET	
1	EA	66047	9004240005 NAT GAS VALVE FOR 40-50 XCVIT	
1	EA	62740	9005903205 T & P VALVE	



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 burner 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 Drafhood	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			

state WATER HEATERS Premier Power Vent Gas Water Heater, Residential



The Premier® Power-Vent is a residential gas water heater, equipped with a fully submerged, 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-grade 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			

state WATER HEATERS 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 Draffhood	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 automatically 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			



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. Shipping Wt. (Lbs)
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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. Shipping 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.			
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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-YORT 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 certified E.C.O.
- With C3 Flammable Vapor 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	—	—

state 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	—	—	—
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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 circulation 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	—	—	—
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Point-of-Use Unit

1	EA	62874	ES6-2-SSUSK 2.5 GALLON STATE ELECT HTR 120V 1500W	—	—	—
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Parts for Select Water Heaters with C3 Technology

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68608	9003379005 NAT GAS BURNER ASSEMBLY	
1	EA	68602	9003380005 NAT GAS BURNER ASSEMBLY 9003561005	
1	EA	68617	9003383005 NAT GAS BURNER ASSEMBLY	
1	EA	68594	9003407005 NAT GAS CONTROL VALVE	
1	EA	68595	9003408005 PROPANE GAS CONTROL VALVE	
1	EA	68646	9003410015 PIEZO IGNITOR W/BRACKET	
1	EA	68618	9003521005 200 DEG C NAT FV NAT PILOT ASSEMBLY	
1	EA	68638	9003541005 160 DEG C LP FV PILOT ASSEMBLY	
1	EA	68603	9003563005 NAT GAS BURNER ASSEMBLY	


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	
1	EA	62398	9004315 IGNITER ASSEMBLY	
10	EA	62670	100108291 240V 4500W TR-LW ELEM 9000095015	
1	EA	62666	9000029005 29IN ALUM ANODE ROD	
10	EA	62671	9000030005 ELEMENT ADAPTOR KIT	
1	EA	62854	9000056015 24" THERMOCOUPLE KIT	
1	EA	62855	9000071015 5/8" T&P RELIEF VALVE	
1	EA	88336	9000092015 11" COPPER HEATING ELEMENT 4500W 240V	
1	EA	62707	9000246005 W/R NAT RES GAS CONTROL	
1	EA	62733	9000248005 RES W/R NAT GAS THERMOSTAT	
1	EA	62734	9000249005 W/R NAT RES GAS THERMOSTAT LS	
10	EA	62667	9000253015 120V 1650W TR-LW ELEM	
10	EA	62668	9000405015 240V 4500W INCOLOY TR-SH ELEM	
10	EA	62735	9000507015 WH-9 LOWER THERMOSTAT 240V	
10	EA	62778	9000509015 120-240 VAC WH9-6 SNGL ELEM HTR THERMOSTAT W/ECO	
10	EA	62742	9000523015 WH9-6/D 240V SNGL ELEM THERMOSTAT W/COVER	
1	EA	88430	9000796005 GAS CONTROL VALVE	
1	EA	88338	9000876015 18" THERMOCOUPLE	
1	EA	66908	9001453005 42" KA90 ALUMINUM ZINC ANODE ROD	
1	EA	62356	9001829005 32IN MAGNESIUM .84 DIA ANODE ROD	
10	EA	62747	9001954015 WH10-6A 240V UPPER THERMOSTAT W/ECO	
1	EA	62777	9001976005 AIR PRESSURE SWITCH	
1	EA	88447	9002072005 HEATING ELEMENT	
1	EA	62697	9002391005 R/S 26IN COMM THERMOCOUPLE-PILOT GENERATOR	
1	EA	62753	9002442015 1 3/8IN 4500 BETTER TRLW ELECTRIC HEATING ELEMENT	
1	EA	62752	9002450015 1 3/8IN 4500 BEST WSHTR ELECTRIC HEATING ELEMENT	
1	EA	88339	9002514005 NATURAL GAS CONTROL VALVE	
1	EA	62932	9002518015 HOT SURFACE IGNITOR ASSEMBLY	
10	PKG	62717	9002563015 3/4" X 2 1/2" PEXLINED NIPPLE (1 PKG OF 2)	
1	EA	62730	9002832005 GAS CONTROL VALVE	
1	EA	62357	9002984015 R/S NAT GAS PILOT W/TUBING & ADAPT	
1	EA	62358	9003040005 #0002000830 MAIN GAS BURNER	
1	EA	64074	9003382005 BURNER ASSY KIT - NATURAL GAS	
1	EA	62375	9003385005 NATURAL MAIN BURNER	
1	EA	68096	9003406005 AIR INTAKE SCREEN	
1	EA	88341	9003455005 PILOT ASSEMBLY LP	
1	EA	88342	9003472005 PILOT ASSEMBLY 170D LP	
1	EA	62456	9003484005 T&P RELIEF VALVE	
1	EA	88453	9003488005 PILOT ASSEMBLY NATURAL	
1	EA	62381	9003494005 NATURAL MAIN BURNER ORIFICE	
1	EA	64384	9003531005 180 DEG FV NAT PILOT ASSEMBLY	
1	EA	88343	9003540005 PILOT ASSEMBLY NG	
1	EA	69461	9003542005 190 DEG C NAT FV PILOT ASSEMBLY	
1	EA	88344	9003544005 PILOT ASSEMBLY 200D LP	
1	EA	64120	9003573005 BURNER ASSY KIT - NATURAL GAS	

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STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	62182	9003626005 75 GAL HOT SURFACE IGNITOR	
1	EA	65216	9003629005 INTELLIVENT NAT GAS VALVE FOR 75XCVIT	
1	EA	88345	9003691005 INTELLIVENT NG CONTROL VALVE	
1	EA	64855	9003739005 GAS VALVE	
1	EA	88346	9003741005 T&P VALVE	
1	EA	62383	9003755005 120V 2KW ELEMENT CONVERSION KIT	
1	EA	62384	9003766005 208V 2KW ELEMENT CONVERSION KIT	
1	EA	62341	9003892005 33IN ALUMINUM ANODE	
1	EA	69972	9003944005 16IN ALUM ANODE ROD	
1	EA	64846	9004027005 POWER VENT ASSEMBLY	
1	EA	88347	9004028205 NATURAL GAS CONTROL VALVE	
1	EA	88348	9004049205 NATURAL GAS CONTROL VALVE	
1	EA	88349	9004102205 NATURAL GAS THERMOSTAT	
1	EA	88350	9004238215 UPPER PROBE	
1	EA	66047	9004240005 NAT GAS VALVE FOR 40-50 XCVIT	
1	EA	88351	9004250205 CONTROL BOARD & DISPLAY PANEL	
1	EA	62489	9004267005 INTELLIVENT NATURAL GAS VALVE	
1	EA	62397	9004306005 BLOWER ASSEMBLY	
1	EA	88442	9004310005 GAS THERMOSTAT LP	
1	EA	69974	9004312005 NAT GAS CONTROL VALVE	
1	EA	62405	9004316005 BLOWER ASSEMBLY	
1	EA	88352	9004358115 2.5" GAS PRESSURE SWITCH	
1	EA	88353	9004375115 PILOT IGNITOR	
1	EA	64908	9004441105 PROPANE SMART VALVE	
1	EA	88354	9004448105 HOT SURFACE IGNITOR	
1	EA	88355	9004453105 EXHAUST ASSEMBLY	
1	EA	88456	9004456105 BLOWER ASSEMBLY	
1	EA	88356	9004475215 LOW GAS PRESSURE SWITCH	
1	EA	88437	9004477205 IGNITION MODULE	
1	EA	65406	9004487105 HSI IGNITION CONTROL	
1	EA	65408	9004492005 IGNITION CONTROL MODULE	
1	EA	88357	9004506205 DUAL CONTROL	
1	EA	88358	9004507205 NATURAL GAS VALVE KIT	
1	EA	62446	9004519205 IGNITER ASSEMBLY	
1	EA	62865	9004520215 FLAME SENSOR	
1	EA	62451	9004521205 NAT GAS VALVE	
1	EA	64077	9004527205 NAT 24 GAS VALVE	
1	EA	64079	9004528205 PROPANE GAS VALVE	
1	EA	64080	9004529005 11B79-3 AQUASTAT DUAL LIMIT CONTROL	
1	EA	64083	9004531205 11B79-2 AQUASTAT DUAL CONTROL	
1	EA	88359	9004533215 THERMOSTAT	
1	EA	88360	9004540215 BLOCKED INLET PRESSURE SWITCH	
1	EA	64916	9004541215 NAT PILOT ASSEMBLY	
1	EA	88361	9004542215 PILOT BURNER LP	
1	EA	64087	9004544205 IID IGNITION MODULE	
1	EA	88362	9004547215 BLOCKED OUTLET SWITCH	
1	EA	88363	9004548215 BLOCKED INLET SWITCH	
1	EA	88364	9004549215 BLOCKED OUTLET SWITCH	
1	EA	88365	9004550215 FLUE SWITCH	
1	EA	88366	9004566115 HOT SURFACE IGNITOR	
1	EA	88367	9004569205 IGNITION BOARD	
1	EA	88368	9004570205 DIGITAL THERMOSTAT	
1	EA	88369	9004572205 HOT SURFACE IGNITOR	
1	EA	88370	9004584205 NATURAL GAS CONTROL VALVE	
1	EA	88371	9004586215 BLOWER PROVER SWITCH	
1	EA	88372	9004587205 BLOWER MOTOR ASSEMBLY	
1	EA	88374	9004589215 FLAME SENSOR	
1	EA	62866	9004606205 IGNITOR ASSEMBLY	
1	EA	88375	9004614205 DISPLAY BOARD	
1	EA	88376	9004634215 PRESSURE SWITCH	
1	EA	62902	9004703105 NAT T-STAT	
1	EA	88377	9004723115 1/8" PILOT TUBING W/FITTINGS	
1	EA	88439	9004769105 THERMOSTAT	
1	EA	64121	9004771115 THERMOCOUPLE	
1	EA	88378	9004819105 LCWO 120V (4600-11) W/PROBE	

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STD PKG	U/M	BEROR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88379	9004936105 DAMPER MOTOR 24V	
1	EA	88380	9004937105 CIRCUIT BOARD	
1	EA	64122	9004975105 WR11B95-31 DUAL CONTROL	
1	EA	62910	9004988115 NAT E44576 PILOT BURNER ASSY	
1	EA	88440	9004991215 GROUND WIRE	
1	EA	88381	9004993215 ECO CONTROL 60TV-15	
1	EA	88382	9005017205 NATURAL GAS CONTROL VALVE	
1	EA	64355	9005044205 11B06-48 WELL CONTROL	
1	EA	62454	9005095205 ANODE ROD	
1	EA	88383	9005105015 PILOT BURNER	
1	EA	88384	9005108005 INTELLIVENT NG CONTROL VALVE	
1	EA	88385	9005110005 INTELLIVENT NG CONTROL VALVE	
1	EA	64572	9005113005 GAS VALVE	
1	EA	62911	9005256015 FIELD REPLACEMENT IGNITER	
1	EA	88386	9005332205 BLOWER/SHUTTER ASSEMBLY	
1	EA	88458	9005680205 FLOW SWITCH	
1	EA	64078	9005725015 WIRING HARNESS KIT	
1	EA	65404	9005726215 AIR SENSING SWITCH	
1	EA	88452	9005748205 BLOWER ASSEMBLY	
1	EA	63142	9005886215 FLAME SENSOR	
1	EA	64923	9005891105 NAT THERMOSTAT	
1	EA	64924	9005892215 1000 ONLY FLAME SENSOR LEGEND	
1	EA	88441	9005895205 BURNER	
1	EA	69997	9005899205 3/4IN 150# T&P RELIEF VALVE	
1	EA	88387	9005900215 INLET SWITCH	
1	EA	83845	9005908205 THERMAL BALANCER	
1	EA	88388	9005911205 ECO/OUTLET CONDUIT ASSEMBLY	
1	EA	88389	9005913205 PROVER SWITCH	
1	EA	88390	9005915205 TEMPERATURE SENSOR ASSEMBLY	
1	EA	88391	9005920215 BLOWER PRESSURE SWITCH	
1	EA	88392	9005921215 BLOCKED OUTLET SWITCH	
1	EA	88393	9005923205 T&P RELIEF VALVE	
1	EA	88394	9005924205 150# 1" T&P RELIEF VALVE	
1	EA	88395	9005927215 ECO OUTLET TEMP ASSEMBLY	
1	EA	88396	9005933215 IGNITOR GASKET	
1	EA	62459	9005938005 P40-40 NATURAL GAS BURNER ASSEMBLY	
1	EA	62460	9005939005 P50-40 NAT GAS BURNER ASSEMBLY	
1	EA	62461	9005958005 HOT SURFACE IGNITER ASSEMBLY W/DOOR GASKET	
1	EA	62885	9005962005 GAS CONTROL VALVE	
1	EA	62936	9005963005 LP GAS CONTROL VALVE KIT	
1	EA	66909	9005964005 GAS VALVE	
1	EA	83337	9005968015 FLAME VAPOR SENSOR	
1	EA	62674	9005989205 HOT SURFACE IGNITER KIT	
1	EA	88397	9005994105 6" CAST BASE EIFFIKAL DAMPER	
1	EA	88398	9005995105 8" CAST BASE EIFFIKAL DAMPER	
1	EA	88399	9006002215 BLOWER PROVER SWITCH	
1	EA	62464	9006019015 NATURAL GAS BURNER ASSEMBLY	
1	EA	64076	9006022015 WIRING HARNESS KIT	
1	EA	83336	9006029015 FLAME VAPOR SENSOR & BRACKET	
1	EA	62471	9006030005 BLOWER ASSEMBLY	
1	EA	83844	9006055205 GAS VALVE	
1	EA	88400	9006066205 NATURAL GAS VALVE	
1	EA	88444	9006085205 GAS VALVE NATURAL	
1	EA	88401	9006100205 BURNER GASKET KIT	
1	EA	64075	9006101205 SHORT WIRES IGNITER 9004504205	
1	EA	88448	9006103215 VIEWPORT GASKET KIT	
1	EA	64072	9006106205 FLAME SENSOR	
1	EA	62445	9006136005 BURNER ASSEMBLY NAT	
1	EA	62355	9006143015 PIEZO IGNITOR	
1	EA	88402	9006201205 PILOT ASSY NATURAL W/TUBING	
1	EA	88403	9006222105 CONVERSION KIT LP TO NG	
1	EA	88449	9006235005 ELECTRONIC CONTROL	
1	EA	88404	9006240005 DISPLAY BOARD	
1	EA	88405	9006246005 POWERED ANODE KIT LONG	

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STD PKG	U/M	BEROR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	88461	9006262005 COMBINED CONTROLLER	
1	EA	88445	9006263005 COMBINED CONTROLLER	
1	EA	88406	9006264005 COMBINED CONTROLLER	
1	EA	88407	9006265005 COMBINED CONTROLLER	
1	EA	88408	9006274005 BLOWER ASSEMBLY	
1	EA	88454	9006279005 BURNER ASSEMBLY	
1	EA	88409	9006280015 BLOWER PROVER SWITCH	
1	EA	88410	9006285005 VENTURI GAS VALVE	
1	EA	88450	9006288015 BLOCKED INLET SWITCH	
1	EA	88411	9006289015 BLOCKED OUTLET SWITCH	
1	EA	88412	9006354005 HOT SURFACE IGNITOR ASSEMBLY	
1	EA	88459	9006423005 BLOWER ASSEMBLY	
1	EA	88413	9006520005 CENTRAL CONTROL BOARD	
1	EA	62380	9006620005 BURNER ASSEMBLY NATURAL GAS	
1	EA	88414	9006621005 BURNER DOOR ASSY NG	
1	EA	83334	9006655005 GAS VALVE NAT	
1	EA	88415	9006656005 NATURAL GAS CONTROL VALVE	
1	EA	62755	9006657005 GAS VALVE LP	
1	EA	69973	9006666015 200 SERIES NATURAL PILOT ASSEMBLY	
1	EA	88416	9006909005 SILICONE BURNER GASKET	
1	EA	88417	9006918005 GAS VALVE NATURAL	
1	EA	88418	9006921005 125# PRESSURE RELIEF VALVE	
1	EA	88431	9006953005 PRESSURE SWITCH	
1	EA	88419	9006968005 IGNITOR	
1	EA	88420	9007094005 PILOT ASSY NATURAL W/TUBING	
1	EA	88457	9007099005 PILOT ASSEMBLY W/TUBING	
1	EA	88421	9007122015 AIR PRESSURE SWITCH	
1	EA	88446	9007138005 BLOWER BURNER GASKET KIT	
1	EA	88451	9007245005 EXHAUST ELBOW ASSEMBLY	
1	EA	88460	9007310005 CONTROL BOARD	
1	EA	88422	9007328015 PILOT ASSEMBLY NATURAL	
1	EA	62853	9007358005 NATURAL GAS CONTROL VALVE	
1	EA	88423	9007555005 NATURAL GAS CONTROL VALVE	
1	EA	88443	9007601005 GAS CONTROL VALVE NATURAL	
1	EA	62382	9007604005 ISOLATION VALVE KIT PB FREE	
1	EA	88424	9007872005 THERMOPILE	
1	EA	62374	9007876005 PILOT ASSY KIT WITH TUBING	
1	EA	62937	9007884005 GAS CONTROL VALVE	
1	EA	88463	9007885005 GAS VALVE	
1	EA	88436	9007899005 BURNER ASSEMBLY	
1	EA	88455	9007908005 FINAL BURNER ASSEMBLY NATURAL	
1	EA	88425	9008101005 GAS VALVE ASSEMBLY	
1	EA	88334	9008261005 GAS CONTROL VALVE NATURAL	
1	EA	88432	9008264005 BLOWER	
1	EA	88462	9008265005 INDUCER	
1	EA	88433	9008268015 PRESSURE SWITCH	
1	EA	88435	9008272015 FV SENSOR	
1	EA	88335	9008277005 BURNER ASSEMBLY NATURAL	
1	EA	88434	9008288005 IGNITOR	


state 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	9002604005 RETURN LOOP RECIRCULATING FITTING KIT	


state 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:

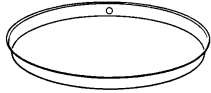
Stage I Gas Models				Stage I Electric Models			
GS6 30 YORT	GS6 40 YBRS	GS6 40 YRRT	GS6 30 YOCT	ES6 30 DORT	ES6 66 DORT	ES6 30 DOLS	ES6 52 DOCT
GS6 40 YBRT	GS6 50 YBRS	GS6 50 YRRT	GS6 40 YOCT	ES6 40 DORT	ES6 30 DORS	ES6 40 DOLNS	ES6 66 DOCT
GS6 50 YBRT		GS6 50 YRRT 5	GS6 50 YOCT	ES6 52 DORT	ES6 40 DORS	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	9004328005 STATE SELECT 8 WARRANTY EXTENSION KIT	
1	EA	62721	9004329005 STATE SELECT 10 STAGE I WARRANTY EXTENSION KIT	
1	EA	62722	9006480005 STATE SELECT 10 STAGE II WARRANTY EXT KIT	

Water Heater Accessories



WHP Plastic Drain Pan



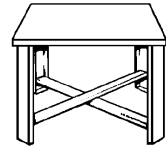
6-M24 Aluminum Drain Pan



Di-electric Union



Water Heater Connector



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 units help prevent electrolysis between iron and copper for longer water heater life. Female iron pipe to sweat copper.

Water Heater Stand

18" and 24" diameter are both 18" high. Meets new safety codes.

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		
1	EA	52712	301-104NL 3/4IN T571 GALVANIZED DI-ELECTRIC UNION		
1	EA	52713	301-105NL 1IN T571 GALVANIZED DI-ELECTRIC UNION		
1	EA	52714	301-106NL 1-1/4IN T571 GALVANIZED DI-ELECTRIC UNION		
2	EA	52715	301-107NL 1-1/2IN T571 GALVANIZED DI-ELECTRIC UNION		
1	EA	52716	301-108NL 2IN T-571 DIELECTRIC UNION		
120	EA	53459	SWT T-571 1IN GALVANIZED DI-ELECTRIC UNION		
1	EA	53462	SWT T-571 1 1/4IN GALVANIZED DI-ELECTRIC UNION		
144	EA	53549	SWT T-571 1 1/2IN GALVANIZED DI-ELECTRIC UNION		
1	EA	62689	9005743005 21IN WTR HTR STAND KIT		
1	EA	62690	9005744005 24IN WTR HTR STAND		



Pipe Adaptors

For Residential Electric Water Heaters

Copper to Male Pipe Adaptors

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 Adaptors

Prices Available on Request

25	EA	54193	WC402 7/8 OD X 3/4 FPT ADAPTER			
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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 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	



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	



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 VALVE ONLY FOR AMX300T	

Uponor AquaPex® Potable Water System



AquaPex tubing is cross-linked polyethylene tubing for hot and cold potable water service and distribution. Non-toxic formula makes it completely clean, healthy, and safe. Smooth, cross-linked structure makes it resistant to corrosion. AquaPex tubing will not corrode, pit, or scale.

Temperature and Pressure Ratings:

73.4° F @ 160 PSI

180° F @ 100 PSI

200° @ 80 PSI

NOTE:

- DO NOT use AquaPex where temperature and pressure consistently exceed ratings.
- DO NOT use or store AquaPex where it will be exposed to direct sunlight for more than 30 days.
- DO NOT weld or glue AquaPex.
- DO NOT apply open flame to AquaPex.
- DO NOT install AquaPex within 6" of any gas appliance vents or within 12" of any recessed light fixtures.
- DO NOT solder within 18" of any AquaPex tubing in the same water line.
- DO NOT use AquaPex tubing for an electrical ground.

Pex Coils for Potable Water

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5
1	CL	68440	F1060500 1/2 AQUAPEX 300 FT		
1	CL	68441	F1060750 3/4 AQUAPEX 300 FT		
1	CL	68442	F1061000 1" AQUAPEX 300 FT		

ProPex 1" Copper Manifolds with 1/2" Outlets

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	68443	Q2801050 1" PROPEX MANIFOLD 4 OUTLET 1/2"	
1	EA	68444	Q2811050 1" PROPEX MANIFOLD 6 OUTLET 1/2"	
1	EA	68445	LF2821050 1" PROPEX MANIFOLD 8 OUTLET 1/2"	
1	EA	68446	Q2831050 1" PROPEX MANIFOLD 10 OUTLET 1/2"	
1	EA	68447	Q2841050 1" PROPEX MANIFOLD 12 OUTLET 1/2"	
1	EA	68587	Q2807550 1"PROPEX MANIFOLD W/3/4" PROPEX END 4 OUTLETS 1/2"	
1	EA	68588	Q2817550 1"PROPEX MANIFOLD W/3/4" PROPEX END 6 OUTLETS 1/2"	
1	EA	68589	Q2827550 1"PROPEX MANIFOLD W/3/4" PROPEX END 8 OUTLETS 1/2"	
1	EA	68590	Q2807557 1"PROPEX MANIFOLD W/3/4" PROPEX ENDS 4 OUTLETS 1/2"	
1	EA	68591	Q2817557 1"PROPEX MANIFOLD W/3/4" PROPEX ENDS 6 OUTLETS 1/2"	
1	EA	68592	Q2827557 1"PROPEX MANIFOLD W/3/4" PROPEX ENDS 8 OUTLETS 1/2"	

Copper 1" Manifolds with 3/4" Copper Outlets

1	EA	68451	F2741075 1" COPPER MANIFOLD 2 OUTLET 3/4"	
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ProPex Male NPT (Pex to Male NPT) Fittings

10	EA	68437	Q4526375 MALE NPT 5/8" PEX X 3/4" NPT FITTING	
25	EA	68453	LF4525050 MALE NPT 1/2" PEX X 1/2" NPT FITTING	
25	EA	68454	LF4527575 MALE NPT 3/4" PEX X 3/4" NPT FITTING PROPEX LF	
10	EA	68455	LF4521010 PRO PEX 1"X1" NPT BRASS FITTING	

ProPex Female NPT (Pex to Female NPT) Fittings

25	EA	68456	LF4575050 FEMALE NPT 1/2 PEX X 1/2 NPT FITTING	
25	EA	68457	Q4577575 FEMALE NPT 3/4 PEX X 3/4 NPT FITTING	
10	EA	68458	LF4571010 FEMALE NPT 1"PEX X 1"NPT FITTING	

ProPex Fitting Assemblies

10	EA	68435	Q4020500 1/2" PEX FITTING ASSEMBLY	
10	EA	68436	Q4020625 5/8" PEX FITTING ASSEMBLY	

ProPex Coupling (Pex to Pex)

10	EA	66774	Q4776363 5/8"PEX X 5/8"PEX PLASTIC COUPLING	
25	EA	68375	Q4773838 3/8"PEX X 3/8"PEX PLASTIC COUPLING	
25	EA	68379	Q4775050 1/2"PEX X 1/2"PEX PLASTIC COUPLING	
25	EA	68399	Q4777575 3/4"PEX X 3/4"PEX PLASTIC COUPLING	
10	EA	68574	Q4771010 1" PEX X 1" PEX PLASTIC COUPLING	

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ProPex Tees (Pex to Pex to Pex)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
25	EA	68439	Q4757575 3/4"PEX X 3/4"PEX X 3/4" PEX PLASTIC TEE	
10	EA	68468	Q4701751 1"PEX X 3/4"PEX X 1"PEX BRASS TEE	
10	EA	68469	Q4701775 1"PEX X 3/4"PEX X 3/4" PEX BRASS TEE	
25	EA	68520	Q4755050 1/2"X1/2"X1/2"PEX PLASTIC TEE	
25	EA	68521	Q4757500 3/4"X3/4"X1/2"PEX PLASTIC TEE	
25	EA	68522	Q4757555 3/4"X1/2"X1/2"PEX PLASTIC TEE	
25	EA	68523	Q4757557 3/4"X1/2"X3/4"PEX PLASTIC TEE	
10	EA	68593	Q4751010 1"PEX X 1"PEX X 1"PEX PLASTIC TEE	

ProPex Adapter (Pex to Copper Pipe)

10	EA	68397	Q4516350 5/8"PEX X 1/2"CU ADAPTER	
10	EA	68398	Q4516375 5/8"PEX X 3/4"CU ADAPTER	
25	EA	68472	LF4515050 1/2"PEX X 1/2"CU ADAPTER Q4515050	
25	EA	68473	LF4517575 3/4"PEX X 3/4"CU ADAPTER	
10	EA	68474	LF4511010 1"PEX X 1"CU PROPEX LF BRASS SWEAT ADAPTER	
25	EA	68511	Q4515075 1/2"PEX X 3/4"CU ADAPTER	
10	EA	68512	Q4517510 3/4"PEX X 1"CU ADAPTER	

ProPex Fitting Adapters (Pex to Copper Fittings)

25	EA	68475	LF4505050 1/2"PEX X 1/2"CU FITTING ADAPTER	
25	EA	68476	LF4507575 3/4"PEX X 3/4"CU FITTING ADAPTER	
10	EA	68477	LF4501010 1"PEX X 1"CU FITTING ADAPTER	

ProPex Fittings, Elbows

25	EA	68518	Q4760500 1/2"X1/2"PEX PLASTIC ELBOW	
25	EA	68519	Q4760750 3/4"X3/4"PEX PLASTIC ELBOW	

Stub Outs

25	EA	68420	F5120500 1/2" DROP EAR BEND SUPPORT	
25	EA	68478	Q4235050 1/2"PEX X 1/2"FEMALE NPT DROP EAR ELBOW	
25	EA	68479	F5140500 1/2" STRAIGHT-THRU SUPPORT	
25	EA	68480	Q2885050 1/2"PEX X 1/2"CU PROPEX COPPER TUB ELL	
25	EA	68481	LF2865050 1/2"PEX X 1/2"CU PROPEX COPPER STUB ELL	
25	EA	68482	Q2897575 3/4"PEX X 3/4"CU PROPEX COPPER STUB ELL	

Brass ProPex Plugs

25	EA	68483	Q4535050 1/2"PEX PLUG BRASS	
25	EA	68484	Q4537575 3/4"PEX PLUG BRASS	
10	EA	68485	Q4531000 1"PEX PLUG BRASS	

Plastic ProPex Plugs (For Pressure Testing and Permanent Installations)

25	EA	68486	Q4350500 1/2"PEX PLUG PLASTIC	
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ProPex Rings (Spare Parts)

50	EA	66767	Q4690302 3/8"PEX BLUE RING	
50	EA	68488	Q4690501 1/2"PEX RED RING	
50	EA	68489	Q4690512 1/2"PEX BLUE RING	
50	EA	68491	Q4690751 3/4"PEX RED RING	
50	EA	68492	Q4690756 (Q4690752) 3/4" RING	
50	EA	68493	Q4691000 1"PEX WHITE RING	
50	EA	68510	Q4680625 5/8"PEX WHITE RING	

Bend Supports

25	EA	68528	A5250500 (A5150500) 1/2" PLASTIC BEND SUPPORT	
50	EA	68529	A5150750 3/4" PLASTIC BEND SUPPORT	

Fasteners

1	PKG	68496	F7050750 1/2"-3/4" TUBE TALON 100/PKG	
1	PKG	68497	F7051000 1"PEX TUBE TALON 50/PKG	
1	PKG	68526	F7051258 1/2"-5/8" PEX CLIP-PLASTIC 100/PKG	

Valves

10	EA	68500	Q4805050 1/2"PEX X 1/2"COPPER BALL VALVE	
10	EA	68501	Q4815050 1/2"PEX X 1/2"PEX BALL VALVE	
10	EA	68503	Q4838809 1/2"PROPEX ICE MACH OUTLET BOX	
10	EA	68524	LF4865038 1/2" PROPEX STRAIGHT STOP VALVE	
10	EA	68525	Q4855038 1/2" PROPEX ANGLE STOP VALVE	

Miscellaneous

25	EA	68504	F5600500 1/2"PEX CHROME FINISH SLEEVE	
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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 recommended)

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	



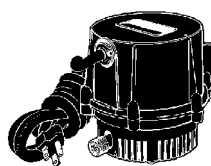
NK-1 Small Submersible Pump

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 switch 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



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	
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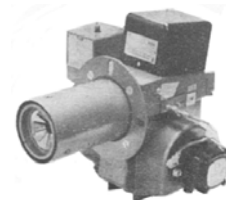
Pump Replacement Parts

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	



Oil Nozzle Adapters & Box



Adapters

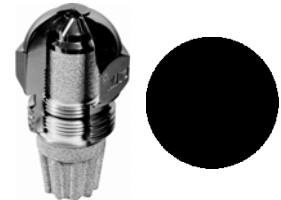
Length (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	2	EA	51458	1/4 IN SHORT ADAPTER	
2	3	EA	51455	1/4 IN LONG ADAPTER	
1	1	EA	51457	1/8 IN SHORT ADAPTER	
1-3/8	5	EA	51460	1/8 IN STANDARD ADAPTER	

Nozzle Box

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	EA	51031	96-NOZZLE BOX	



"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				



"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				

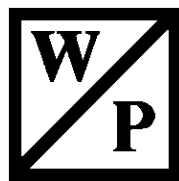


"H" Hollow Cone Nozzles, Red Caps

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				



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



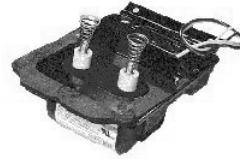
85EY-2



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

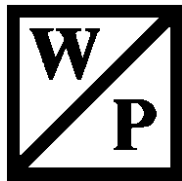
10SAY Electronic Oil Igniter Kit

- UL and CSA Recognized
- 6kV RMS, 240kVP Spark
- 35mA Output Current
- Secondary Midpoint Ground

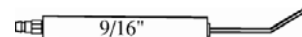
421BT

- 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

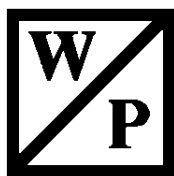


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PR	51871	2M4 4" X 9/16 DIA ELECTRODE	
1	PR	51873	2M5 5" X 9/16 DIA ELECTRODE	

Electrode Cross Reference Chart

Westwood to Steinen and Dielectric

Westwood		Steinen Mfg.	Dielectric Mfg.
Bercor No.	Model		
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 Oil Burner Service Chemicals



HP-MS-03



HP-SKDP-20



HP-SKDS-16

P-SKDP-20 Spill Kill Powder

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.

HP-SKDS-16 Spill Kill Spray

Neutralizes noxious fuel oil odors while imparting a pleasant residual fragrance. The safe, non-flammable formula lends itself to other deodorizing applications where noxious odors are a problem.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
36	EA	55054	HP-MS-03 MAGIC SOOT STICK		
12	EA	55051	HP-SKDP-20 SPILL KILL POWDER		
12	EA	55052	HP-SKDS-16 SPILL KILL SPRAY		

RECTORSEAL Oil Burner Service Chemicals



Odorgon



Sootmaster

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.

Odorgon™ Spray

- Kills oil and other industrial odors.
- Covers vertical surfaces and corners.
- A pleasant mild fragrance that doesn't linger.
- Non-flammable



Sootomagic

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.

Sootomagic™ 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	55037	68516 14OZ ODORGON SPRAY		
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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M12 Fuel & M12 Series Cordless Lithium-Ion Tools

- M12 Fuel delivers unrivaled performance in a compact structure and features 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
Hammer Drill/Driver



2402-22
2-Speed Screwdriver



2453-22
Hex Impact Driver Kit



2401-22
Sub-Compact Driver

Shears



2470-21
PVC Shear

Saws and Saw Blades



2520-21XC
Hackzall

Tubing Tools



2432-22
Propex Expansion
Tool Kit



2471-21
Tubing Cutter Kit

Miscellaneous Tools



2335-20
Tool Holster

Tools/Electrical



2311-21
Multimedia Camera



2313-21
M-Spector 360 Camera



49-24-0146
Work Light



2592-20
Jobsite Wireless
Speaker



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 wearble 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 wearble 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	



3107 1/2" Right Angle Drill Kit With D-Handle



- For stud and joist drilling as well as other applications in wood, metal, plastics, and composites
- Drill head and handle swivel 360° plus side-handle provides secure grip and controlled operation
- Includes: impact-resistant carrying case, 3/16" socket wrench, 9/16" open-end wrench
- Quick-Lok cord detaches for storage
- Amps: 7
- No Load RPM: 0–500
- 1/2" keyed chuck
- 5 year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80104	3107-6 1/2" REV VAR SPEED RA 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

- Charges M12 and M18 battery packs.
- Accepts 3 M12 and 3 M18 battery packs. Unit charges up to 3 batteries simultaneously.
- Charges each battery pack up to 40% faster than standard chargers.
- 5 year warranty



48-59-1812 Multi-Voltage Charger

- Charges M12 and M18 battery packs.
- Accepts 1 M12 and 1 M18—battery packs charged sequentially.
- Compact batteries charge in 30 minutes; extended capacity batteries charge in 1 hour.
- 5 year warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81145	48-59-1807 M18 & M12 RAPID CHARGE STATION	
1	EA	81138	48-59-1812 M12 & M18 MULTI VOLTAGE CHARGER	



M12 and M18 Battery Packs



48-11-1840



48-11-2420



48-11-2440

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	81139	48-11-2420 M12 REDLITHIUM 2.0 COMPACT BATTERY PACK	
1	EA	81140	48-11-2440 M12 REDLITHIUM XC 4.0 EXTENDED CAPACITY BATTERY PACK	



Quik-Lok Cord Set

- 8 ft. 3-wire grounded
- QUIK-LOK® feature allows for fast replacement of a damaged cord
- Premium grade High-Flex wire
- 5-15P NEMA type plug



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80181	48-76-4008 QUIK-LOK CORD SET	



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	



Selfeed Bits

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	80146	48-25-1372 1-3/8" 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	



Bit Kits

48-32-0221 21-Piece Screw Driving Set

- Premium grade S2 tool steel
- Heavy Duty Storage

48-32-1505 40-Piece Screw Driving Set

- Premium grade S2 tool steel
- Magnetic nut drivers

48-89-1105 20-Piece Titanium Drill Bit Set

Assortment of Milwaukee Titanium bits for drilling. Sizes include 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 1/4", 5/16", 3/8" and 1/2". Also comes with the carrying case.



48-32-0221



48-89-1105



48-32-1505

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	
1	EA	80736	48-89-1105 TITANIUM DRILL BIT SET	



Flat Boring Bits

1/4" to 1-1/2" Diameters



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 Kit

Extreme stubby size flat boring bit, "New Look" 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	
5/8	1/4	16	6	EA	80515	48-27-0180 5/8" FLAT BORING BIT	
3/4	1/4	16	6	EA	80559	48-27-0185 3/4" FLAT BORING BIT	
7/8	1/4	16	6	EA	80989	48-27-0190 7/8 FLAT BORING BIT	
1	1/4	16	6	EA	80990	48-27-0195 1 FLAT BORING BIT	
Multi	1/4	16	6	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	



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 Magnetic 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 Magnetic 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", and (1) 7/16" x 1-7/8"

48-89-4631 Titanium 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 Includes

(2) Insert Magnetic Nut Drivers
(1) Socket Adapter
(1) Magnetic Bit Tip Holder
(8) HEX Bits
(1) Compact Magnetic Bit Holder
(5) Phillips Bit
(1) Phillips Reduced Bit
(4) Splitted Bits
(4) Square Bits
(9) Torx Bits

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	
3	EA	81035	49-66-4506 7/16IN 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	81041	49-66-4525 3/8IN 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	81048	48-32-4412 SHOCKWAVE #2 PHILLIPS 2PK	
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	81054	48-32-4463 SHOCKWAVE #3 PHILLIPS 2IN POWER BIT	
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	

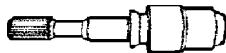


Rotary Hammer Accessories

For Model 5321-22



2-Cutter, One Piece Spline Shank Bit



Spline to SDS Adapter



Thin Wall Core Bit Assembly Includes: Core bit, Center Pin, Guide Plate, Adapter shown not included.

Two-Piece Thin Wall Core Bit

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	

Accessories

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	
Adapter No. 48-03-3540	1	EA	80943	48-95-6075 7 1/2" LONG EXTENSION	



Hex Extension Shanks



For Hole Saws, Selffeed 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 specifically 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 Accessories

1	EA	81017	49-56-9105 BIG HAWG ARBOR	
1	EA	81018	48-27-1401 BIG HAWG PILOT BIT	



Ice Hardened™ Hole Saws



Milwaukee's Ice Hardened products are harder throughout than products manufactured by other processes, resulting in a 50% longer life.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80959	49-56-0052 1-1/8" 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	80975	49-56-0253 6" ICE HARDENED HOLE SAW	
1	EA	80993	49-56-0012 5/8 ICE HARDENED HOLE SAW	
1	EA	80995	49-56-0032 7/8 ICE HARDENED HOLE SAW	
1	EA	80996	49-56-0043 1 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	81004	49-56-0243 5 ICE HARDENED HOLE SAW	



Hole Saw Kits



49-22-4145 10 Piece Plumbers Ice Hardened Hole Saw Kit

Kit Contains:

Hole Saws: 3/4", 7/8", 1-1/8", 1-1/2", 1-3/4", and 2-1/4".

Arbors: 49-56-7010 and 49-56-9100

Drill Bits: 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 Ice Hardened Hole Saw Kit

Kit Contains:

Hole Saws: 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", and 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 PLUMBIER HOLE SAW KIT	
1	EA	80584	49-22-4185 29-PC ALL PURPOSE HOLE SAW KIT	



Hole Saw Arbors and Pilot Drills



49-56-6950 1/4" Round Shank

Drill chucks onto pilot drill. For small hole saws in light weight materials and wood.

49-56-7000 7/16" Hex Shank

49-56-7010 3/8" Hex Shank

Hex shank prevents slipping in chuck. For use with small hole saws in 1/2" and larger drills in medium to heavy weight materials.

49-56-7055 Quick Change 7/16" Hex Shank

49-56-7140 Economical 7/16" Hex Shank

Hex shank prevents slipping in chuck. Pin drive construction permits fast interchanging of hole saws without removing arbor from chuck.

1/4" High Speed Pilot Drills for General Cutting of Wood and Metal

49-56-8000: For use with Hole Saw Arbors 49-56-6950, 7000, 7055, 7130, and 7140.

49-56-8010: For use with Hole Saw Arbors 49-56-7010 and 7150.

Hole Saw Arbors

Thread Size (In.)	Dril Size (In.)	For Hole Saw SIZES (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1/2-20	1/4	9/16 to 1-3/16	1	EA	80427	49-56-6950 1/4" ARBOR	
1/2-20	1/4	9/16 to 1-3/16	1	EA	80430	49-56-7000 7/16" ARBOR	
5/8-18	1/4	1-1/4 and Larger	1	EA	80431	49-56-7055 7/16" ARBOR	
1/2-20	1/4	9/16 to 1-3/16	1	EA	80462	49-56-7010 3/8" ARBOR	
5/8-18	1/4	1-1/4 and Larger	1	EA	80465	49-56-7240 7/16" ARBOR	

Pilot Drills

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80437	49-56-8000 PILOT DRILL	
1	EA	80463	49-56-8010 PILOT DRILL	



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	



Accessories for 6519 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	



Sawzall Blades

1/2" Universal Tang—For Wood cutting

Wood Cutting Blade, General Rough-In, Nail Embedded Wood, and Composition Material

Teeth Per Inch	Blade Length (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 (48-01-3035) SAWZALL BLADE 5/PKG			
6	9	1	PKG	80338	48-00-5036 (48-01-3036) SAWZALL BLADE 5/PKG			
6	12	1	PKG	80339	48-00-5037 (48-01-3037) SAWZALL BLADE 5/PKG			
4/6	6	1	PKG	80288	48-00-5041 (48-01-5041) SAWZALL BLADE 5/PKG			
6	9	1	PKG	80281	48-01-6036 SAWZALL BLADE 50/PKG			

Wood, Nail Embedded Wood, and Demolition (The Ax Blade)

Teeth Per Inch	Blade Length (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
5/8	6	1	PKG	81210	48-00-5021 SAWZALL BLADE 5/PKG			
5/8	9	1	PKG	81211	48-00-5026 SAWZALL BLADE 5/PKG			
5/8	12	1	PKG	81212	48-00-5027 SAWZALL BLADE 5/PKG			
5	6	1	PKG	80276	48-00-8021 6 IN 5 TPI SAWZALL BLADE 25/PKG			
5	9	1	PKG	80384	48-00-8026 9 IN 5 TPI THE AX SAWZALL BLADE 25/PKG			

Wood and Plastic Cutting Blade—Super Sharp

Teeth Per Inch	Blade Length (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 SAWZALL BLADE 5/PKG			



Sawzall Blades

1/2" Universal Tang—All Purpose Blade for Wood, Plastic, Metals, Cast Iron and Wood with Embedded Nails

Teeth Per Inch	Blade Length (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
10	6	1	PKG	80342	48-00-5092 (48-01-3092) SAWZALL BLADE 5/PKG			
8/12	8	1	PKG	80299	48-00-5093 (48-01-5093) SAWZALL BLADE 5/PKG			
8/12	12	1	PKG	80315	48-00-5094 (48-01-5094) SAWZALL BLADE 5/PKG			
10/14	8	1	PKG	80343	48-00-5193 (48-01-3093) SAWZALL BLADE 5/PKG			



Sawzall Blades

1/2" Universal Tang—For Pipe, Conduit, Angle Iron and Steel (The Torch Blade)

Teeth Per Inch	Blade Length (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 SAWZALL BLADE 5/PKG			
10	9	1	PKG	80450	48-00-5713 SAWZALL BLADE 5/PKG			
14	6	1	PKG	80451	48-00-5782 SAWZALL BLADE 5/PKG			
18	6	1	PKG	80453	48-00-5784 SAWZALL BLADE 5/PKG			
14	9	1	PKG	80452	48-00-5787 SAWZALL BLADE 5/PKG			
18	9	1	PKG	80454	48-00-5788 SAWZALL BLADE 5/PKG			
18	12	1	PKG	80455	48-00-5789 SAWZALL BLADE 5/PKG			



Sawzall Blades

1/2" Universal Tang—For Metal Cutting

Teeth Per Inch	Blade Length (In.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 1-4	PC-2 5-9	PC-3 10
14	6	1	PKG	80292	48-00-5182 (48-01-5182) SAWZALL BLADE 5/PKG			
18	6	1	PKG	80293	48-00-5184 (48-01-5184) SAWZALL BLADE 5/PKG			
24	6	1	PKG	80332	48-00-5186 (48-01-1186) SAWZALL BLADE 5/PKG			
14	9	1	PKG	80443	48-00-5187 (48-01-5187) SAWZALL BLADE 5/PKG			
18	9	1	PKG	80444	48-00-5188 (48-01-5188) SAWZALL BLADE 5/PKG			
18	12	1	PKG	80445	48-00-5189 (48-01-5189) SAWZALL BLADE 5/PKG			
18	6	1	PKG	80282	48-01-6184 SAWZALL BLADE 50/PKG			



Super Sawzall Blades



9-Piece General Purpose Kit

- 3 6" 24TPI blades
- 3 6" 14TPI blades
- 2 6" 6TPI blades
- 1 9" 6TPI blade
- 1 storage container

12-Piece Demolition Kit

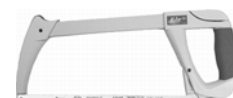
Demolition blades are thicker for maximum durability and taller for straighter cuts.

- 4 6" 18TPI The Torch blades
- 2 6" 8TPI The Wrecker blades
- 2 6" 5/8TPI The Ax blades
- 2 9" 6TPI The Ax blades
- 2 9" 14TPI The Torch blades
- 1 storage container

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80992	49-22-1129 12-PIECE DEMOLITION SAWZALL BL	
1	EA	80957	49-22-1145 9-PIECE GENERAL PURPOSE SAWZALL BLADES	
1	EA	80985	49-22-8510 RIGHT ANGLE ATTACHMENT	



Hack Saw



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82231	HS90 HACK SAW	

Malco 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	
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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	
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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	

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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	

Malco 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.

Aviation 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 snips 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™
Turns Power Drills into PowerShears



TS1 TurboShear

- Inserts directly 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 with 360° Rotating Head

- Inserts directly 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 with 360° Rotating Head

- Inserts directly 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.
- Can approach cut from either end.
- Navigates 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	



MB48 Portable Mini Brakes

Portable Mini Brakes

- 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.
- Compact size and light weight

MB48A is ideal for fabricating plenums or large transitions

MB84B Pan Style for making drippans, register boxes, and complex corners for flashing and fascia

MBL

- Optional legs for MB48

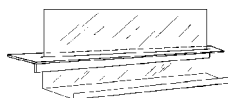


STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80935	MBL LEGS W/BASES AND FASTENERS	
1	EA	80936	MB48(A) MINI BRAKE	
1	EA	80933	MB48B EV PAN STYLE MINI BRAKE	



Bender

- Fabricate end caps, plenums and transitions at job site quickly and inexpensively.
- 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 recovery job
- Compatible 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
- Compatible 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, DVO-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	



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 one 9 volt battery (not included).

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 inch metal hose with O-ring quick couplers, ball valve with O-ring quick coupler with depressor, 90° male flare with 1/4 inch O-ring quick coupler, and valve assembly with 1/4" male flare connections.

DV-40S Wireless Micron Gauge

- Accurately measures vacuum
- Programmable with High/Low limit alarm
- Data logging capabilities
- Smart phone control through JB app

DV-41 Supernova Digital Vacuum Gauge

- Accurate display from 10 to 12,000 microns.
- Programmable alarm tasks and shut-off.
- Measures in microns, PSI, InHg, Pascal, Torr, mTorr, and mBar.
- Large, easy-to-read LCD screen.
- Includes case
- Backlight is programmable for duration.

Gauges

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	

Coupling for DV-41

1	EA	54796	QC-S5 STRAIGHT QUICK COUPLER	
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Digital Micron Gauges

The DMG100 and DMG200 offer in field-calibration, analog bar graphs, easy sensor cleaning and oil contamination sensors. Both units measure pressure in Microns, Pascals, Millibar, Millitorr, and mmHg with resolution down to 1 micron. Small, lightweight, rugged, and easy-to-use gauges.



DMG100

DMG200

DMG200 also Features

- Increased resolution to 0.1 micron below 9,999.
- Measures ambient temperature.
- Programmable alarm for unattended system evacuation
- Vacuum leak rate indicator

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82720	DMG100 DIGITAL MICRON GAUGE PRO	
1	EA	82721	DMG200 DIGITAL MICRON GAUGE PRO PLUS	



Manifolds and Accessories

Brass and Aluminum



Revolver



4-Valve Zeppelin



2-Valve Zeppelin



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

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 floating 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 illuminating gauges
- Swiveling hose holders
- Free floating O-ring system

Standard 2-Valve Brass Manifolds

- Free floating dual O-ring system
- Angled bar for knuckle clearance when turning hand wheels
- Easy turning plastic hand wheels

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.

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	CCLC Kora Hose Set
Zeppelin	25033	R-12, R-22, R-502	Aluminum	3-1/8	Glow-in-the-Dark	CCLC Kobra Hose Set
2-Valve Models						
Patriot	22233	R-22, R-404A, R-410A	Brass	3-1/8	Class 1 Glow-in-the-Dark with 1% Accuracy	CCLC Hose Set
Standard	M2-5-410A	R-22, R-404A, R-410A	Brass	2-1/2	Standard	CCLC 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	CCLC 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)

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 CCLC HOSES	

2-Valve (See Table above for Manifold Series)

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	

Quick Connect Test Gauges

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	

Accessories

5	EA	83123	M2-102N HANGING HOOK	
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Digital Manifold 2-Valve



- Simultaneous calculation of superheat and subcool
- Rugged caving case
- Heavy duty clamps
- Data logging capability
- Swiveling hose fittings
- Programmed with 80+ Refrigerants
- Pressure Measurement 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
- Easy-to-read backlit screen

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83286	DMG2-8 2-VALVE DIGITAL MANIFOLD W/O HOSES	

Fieldpiece 4-Port Digital Manifold



- 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	



Kobra High Pressure Hoses



CLE



CLS



CLBV



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.

CLE Series

- Gasket seal fitting
- 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

- Ball valve

CLE Series

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83062	CLE-60 60IN KOBRA HOSE SET W/GASKET SEAL	
1	EA	83066	CLE-60B 60IN BLUE KOBRA HOSE W/GASKET SEAL FTGS	
1	EA	83067	CLE-60R 60IN RED KOBRA HOSE W/GASKET SEAL FTGS	
1	EA	83063	CLE-60Y 60IN YELLOW KOBRA HOSE W/GASKET SEAL FTGS	

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	

CLBV Series

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	

CLV Series

3	EA	83095	CCLV-72 72 IN CHARGE LINE SET	
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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	



Mini-Split Tools



MSKIT1



TRQ-IMP

MSKIT 1 Mini-Split Tool Kit

Includes

- 20-pocket tool bag (#MSKIT1-BAG)
- 60" Kobra hose set (#CCLS-60)
- Patriot Brass manifold with 2-1/2" gauges (#22500)
- Ratcheting flare tool (#T30600)
- Torque wrench kit (#TRQ-1080)
- Hex Key set (#T30605)
- Valve core remover (#A32525N)
- 1/4" Shield refrigerant locking caps (#SHLD-P4)
- (5) 1/4" brass caps (#NFT5-4)
- (2) Brass adapters (#A31656)

TRQ-IMP Torque Wrench 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	83283	MSKIT1 MINI SPLIT TOOL KIT	
1	EA	83290	TRQ-IMP 5/8",13/16",15/16",1-1/8 TORQUE IMPERIAL HEAD SET	



Refrigeration Gauges For Pressure Vacuum and Compound Applications



Gauge Features

- High-impact, clear Lexan Lens
- Surge-dampened for accuracy
- Recalibration screw
- 1/8" MPT connections
- Full-size, brass movements

MR-517 Gauge Lens

- 2-1/2" Gauge Lens
- Screw-on lens fits plastic and metal gauge

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 5500 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, Illuminated	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

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,40A,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-22,40A,410A	
1	EA	83165	M2-825 3-1/8 IN ILLUMINATED PRESSURE GAUGE R-22,40A,410A	
1	EA	83112	MR-517 PLASTIC GAUGE LENS	



Mantooth™ Wireless Digital Gauge Pressure/Temperature

- Wirelessly calculates and displays system's pressures, temperatures, superheat, and subcooling on your smart device
- iPhone, iPad, and Android compatible
- Test system without losing refrigerant
- Built-in Schrader ports to easily adjust refrigerant charge
- Rechargeable 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	



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	



Glycerine Filled Gauges



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82484	TIF9622B BLUE GLYCERINE GAUGE	
1	EA	82485	TIF9632R RED GLYCERINE GAUGE	



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	

INFICON Wey-Tek Refrigerant Charging Scale



713-202-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

719-202-G1

- 250 lbs. capacity
- Plastic carrying 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 response 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	



TIF-ZX Refrigerant Leak Detectors

Detects all halogenated refrigerants, including R-410A. Features tri-color visual leak size indication. True mechanical pump provides instant response and clearing. A flexible stainless probe, carrying case, and re-charger included. CE approved. 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	



Refrigerant Leak Detector

- Patented heat diode sensor
- High/low sensitivity adjustment
- One-button operation
- Automatic zeroing
- LED indicator
- Audible alarms



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83264	TESTO 316-3 REFRIGERANT LEAK DETECTOR	
1	EA	83265	316-3 REPLACEMENT SENSOR	



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, anodized lamp body stands up to years of heavy use.
- Powered by 3 "AAA" batteries (included).
- Includes lanyard, holster, fluorescence-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.
- Powered 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	



Leak Detector Kits



EZ100-CS

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

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
GS-101CS	Mineral Oil	Up to 2.9 lbs. of refrigerant Up to 15 fluid ozs. of lubricant

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82521	EZ100-ECS DYE INJECT KIT FOR MINERAL OIL SYSTEMS	
1	EA	82732	OPK-40EZ/E COMPLETE EZ-JECT KIT	

Bleed Valve

1	EA	82492	BV-50 BLEED VALVE	
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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	
Mineral-Up to 2.9 lbs. of refrigerant or up to 15 fluid ozs. of lubricant	6	EA	82493	GS-101CS .03OZ GLO-STICK CAPSULE	

UEG 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 Smart 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 COMBUSTION METER KIT	
1	EA	82718	17631 PARTICLE FILTER	

UEG 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	C071A 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	

Milwaukee Multimeters



2206-20 Fork Meter

- Measures up to 200 amps
- Wide .63" jaw opening
- True-RMS for accurate measurement in all applications
- Built-in voltage detector and LED worklight
- Thermocouple (dual banana) input for contact temperature
- 600 uA DC for flame rectification
- High contrast, white on black display with backlight for easy reading
- Rugged over-molding increases durability and user grip
- -40° F to 752° F
- 1000V AC/DC



2236-20 Clamp Meter

- Measures up to 600 amps AC
- Large 1.30" jaw opening
- Thin jaw profile for easier wire measurement in panels or in bundles
- Wide voltage range to 600 AC/DC volts
- True-RMS for accurate measurement in all applications
- Built-in voltage detector and LED worklight
- Thermocouple (dual banana) input for contact temperature measurement
- 600 uA DC for flame rectification
- High contrast, white on black display with backlight for easy reading
- Rugged over-molding increases durability and user grip

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81114	2206-20 HVAC/R FORK METER	
1	EA	81112	2236-20 TRMS CLAMP METER	



True RMS Clamp-on Multimeter Wireless Connection to Smartphone or Tablet



Measures

- AC amps
- DC low amps
- AC/DC Voltage
- Frequency
- Duty cycle
- Resistance
- Capacitance
- Differential temperature
- Diodes

Features

- Dual display
- Min/Max/Hold
- Worklight
- iOS and Android compatible
- 2-year limited warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82734	DL429 TRUE RMS WIRELESS HVAC CLAMP METER W/DELTA T	



Clamp-on Digital Multimeters



DL389 with ATTPC2



DL379B

Digital Multimeter Features

- Detachable clamp head
- 750V AC/1000V DC; 400A AC
- 2000 μ A AC/DC
- 40M ohms Resistance/Continuity
- Frequency/Duty Cycle
- Worklight
- Magnetic mount
- Test lead storage and test lead holder on clamp
- CAT IV rated at 300 volts (DL379B Only)
- CAT III rated at 600 volts
- CAT II rated at 1000 volts
- Three-year limited warranty

DL389 Combo G2 Phoenix PRO+ DL379B

- True RMS clamp
- ATTPC2 clamp adapter included
- 4000 μ F Capacitance
- 40~752° F temperature (K-type)
- μ A for flame safeguard
- Non-contact voltage
- Data hold
- Manual ranging

DL379B

- CAT IV rated at 300 volts

ATTPC2 Pipe Clamp Adapter

- Easily grips pipes for quick temperature measurements
- For use with any meter that has temperature sensor inputs
- Measures 1/4" to 1-1/2" pipe circumference
- Surface probe capability
- Temperature range -40 to 250° F
- One year limited warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82724	DL389COMBO PHOENIX PRO+ TRMS CLAMP- ON DMM W/PIPE CLAMP ADAPTER	
1	EA	82735	DL379B DIGITAL CLAMP ON METER	
1	EA	82715	ATTPC2 CLAMP STYLE ADAPTER	



Multimeters



DM383



DM393

DM383 Digital Multimeter

- For routine maintenance.
- Large (.91"), 3-1/2 digit LCD
- Surge voltage protected
- Auto polarity
- Data hold
- Overrange indicator
- Audible continuity buzzer
- Diode check function
- Five year limited warranty.

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	82590	DM383(B) DIGITAL MULTIMETER	
1	EA	82627	DM393 TRUE RMS DIGITAL MULTIMETER	



Accessories

ATL301KIT Includes: Set of straight to right angle standard test leads, 2-fine point leads, pair of alligator clips, grabber clips, and carrying pouch.

Test Lead Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82709	ATL301KIT TEST LEAD KIT	

Temperature Probes and Test Leads

For Use With	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
DL379/389, DT301/302	1	EA	82716	ATT29 4 FT FIBERGLASS STANDARD TEMPERATURE PROBE K-TYPE	
INF185, DT301/302	1	EA	82581	ATT29A 4 FT STANDARD TEMPERATURE PROBE K-TYPE	
DCP9T, DL40/231/250, DM200/383/420/520, M110A	5	EA	82587	ATL55 RUBBER INSULATED TEST LEADS	



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	



Airflow Balancing Meters



ABM-100

ABM-100 Smartphone Anemometer

Features

Connects to your smart device via the audio jack—is compatible with both iOS and Android devices. The ABM-100 easily and instantly converts air speed into air volume for you. It then records the data to a history log, which can be emailed for professional looking reports.

Measures Arflow in:

- Linear Feet Per Minute
- Cubic Feet Per Minute
- Cubic Meters Per Hour
- Linear Meters Per Second



ABM-200

ABM-200 Airflow & Environmental Meter

Features

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 and 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

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 manometers include carrying plugs, 4-1/2' length Tygon tubing, non-kink connectors, 1/8" pipe thread to rubber tubing adapter, gage fluid, two 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	



Manometer

- Air density compensation
- Temperature compensation
- Backlit display
- Protective cap for safe storage
- Accuracy: ±0.01" H₂O (0 to 0.12' H₂O / ±0.02" H₂O (0.13 to 0.4 H₂O)
- Switchable units: hPa, mbar, Pa mmH₂O, mmHg, inH₂O, inHg, psi, m/s, fpm



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83263	TESTO 510 DIGITAL MANOMETER	



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	



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	



ATKINS Temperature and Humidity Instruments



40051



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	40051 -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	

Cooper
ATKINS Pocket Test Thermometers



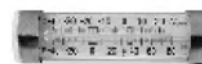
DFP450W

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 and EM201SPKIT Manometer

Digital Alternative to U-Tube Pressure Measurement



EM151



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

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82712	EM151 ELECTRONIC MANOMETER	
1	EA	82723	EM201SPKIT STATIC PRESSURE KIT	



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



INF165



INF195



PDT550



PDT650

550B Digital Pocket Thermometer

- Protective boot with magnet for easy use
- Water resistant
- -58 to 572° F
- MIN/MAX record
- Data hold
- Three year limited warranty

INF165 Infrared Thermometer

- -36.4 ~ 689° F (-38 ~ 365° C)
- 12:1 distance to spot ratio
- Max value capture
- Three year limited warranty

INF195 Infrared Thermometer

- -76 ~ 1022° F (-60 ~ 550° C)
- 12:1 distance to spot ratio
- MIN/MAX/Differential average
- Hi/low alarm (user adjustable)
- Three 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
- Three 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
- Three year limited warranty

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
5	EA	82702	550B DIGITAL POCKET THERMOMETER	
1	EA	82557	INF165 SCOUT 1 INFRARED THERMOMETER	
1	EA	82551	INF195 SCOUT II INFRARED THERMOMETER	
5	EA	82568	PDT550 F/C DIGITAL POCKET THERMOMETER	
5	EA	82725	PDT650 FOLDING POCKET THERMOMETER	



2268-20 12:1 Infrared Temp-Gun™



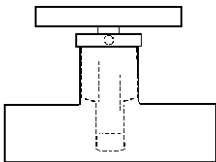
- Surface temperature measurement from -22 to 1022° F
- 12:1 distance to spot ratio. Measures a one foot spot from 12 feet away.
- User configurable High/Low temperature alert.
- Rugged over-molding increases durability and user grip
- Modes: Hold, Max, Min, Diff
- 0.95 fixed emissivity
- 9V battery (included)

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81033	2268-20 12:1 INFRARED TEMP GUN	

Honeywell 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 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 Thermometers

- 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	81309	TL25-160 0-160 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 ProPEX Expansion Tool Kit Cordless, Lithium-Ion

2432-22 Expansion Tool Kit

- Built-in auto rotate mechanism for effortless, one-handed use
- Quick cam mechanism for fast, continuous expansion for 3/8" to 1" ProPEX connections
- Compact, right angle design for installing tubing in tight locations
- 5-Year warranty
- All-metal gears and integrated metal frame for maximum jobsite durability
- Paddle trigger for easy reach in confined spaces
- On board fuel gauge
- LED light
- Built specifically for Uponor ProPEX
- Speed: 650 RPM



Expansion Heads

- Fit most Uponor tools
- Auto-rotate compatibility
- Chrome plated for corrosion resistance
- Color coded rings for easy size recognition

Expansion Tool Kit

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81120	2432-22 M12 PROPEX EXPANSION TOOL KIT	

Accessories

1	EA	81121	49-16-2403 M12 3/8IN PROPEX EXPANSION HEAD	
1	EA	81123	49-16-2405 M12 5/8IN PROPEX EXPANSION HEAD	
1	EA	81125	49-16-2408 M12 1IN PROPEX EXPANSION HEAD	



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	



Deburring Tool



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
10	EA	80729	78932 HEAVY DUTY DEBURRING TOOL	



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	

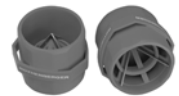
Replacement Cutter Wheels

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	



Flaring Tools



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82050	945-TH FLARE BURNISHING TOOL	



Flaring Tools



60210

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 insure smooth and easy operation



60278

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	



Flare/Swage Tool

Heavy-duty, wide-range, 45°, bar type flaring and swaging tool.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83251	T20275 FLARE/SWAGE TOOL	



Swaging Punch



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	83268	T21008 1/2 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	
1	EA	83273	T21005 5/16 IN OD TUBE SWAGING TOOL	



Tube Benders Lever Type



RT23022



RT25136, RT25142, RT25913



RT25151

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.

RT25136 and RT25142 Standard Tube Bender

For exact bending radius up to 180°. For soft copper, aluminum, and precision steel. Clamp mechanism holds tube and enables bending of short tube pieces.

RT25913 Tube Bender Pro

Cast iron body, self-adjusting shoe, bending radius up to 180° and clamp mechanism that enables bending of short tube pieces. For 1/2" and 3/4" semi-hard and hard copper pipes.

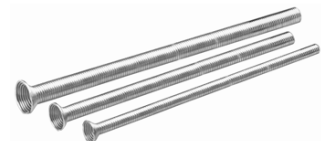
RT25151 Minibend Tube Bender

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.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83253	RT23022 MAXI TUBE BENDER SET	
1	EA	83274	RT25913 1/2 IN TUBE BENDER	
1	EA	83279	RT25136 5/8 IN TUBE BENDER	
1	EA	83280	RT25142 3/4 IN TUBE BENDER	
1	EA	83281	RT25151 1/4IN-5/16IN-3/8IN MINIBEND TUBE BENDER	



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	

DIVERSITECH 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	

TurboTorch® Air Acetylene Kits



X-3B Kit

Will bronze braze light to medium gauge steel. Ideally suited for person requiring flexibility in work. Kit includes: AR-B regulator, AH-12 hose, G-4 quick disconnect handle, A-3 tip, and A-11 tip. Soft solders to 3". Silver solders to 1-5/8".

X-4B Kit

Higher capacity kit brazes 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 instruction manual. Soft solders to 3-1/2" and silver brazes to 2"

X-6MC Kit

Will bronze braze light to medium gauge steel. Ideally suited for work requiring flexibility using a "MC" tank. Kit includes AR-MC regulator, AH-12 hose, G-4 handle with valve and quick disconnect, A-3 tip and A-8 tip. Soft solders to 2". Silver solders to 1".

PL-8ADLX-B Kit with Rear Valve Handle

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. Soft solders to 2". Silver solders to 1".



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
- 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 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

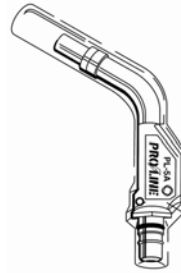
Size of Flame: 3/8". For soft soldering 1" to 2", silver soldering 1/2" to 1". Uses 9.2 cubic feet of fuel/hour.

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® Air Acetylene Accessories



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

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 and Adaptors

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	

Hose

1	EA	82355	AH-12 12 FT ACETYLENE HOSE	
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TurboTorch® Oxygen Acetylene Cutting and Brazing Kit



TTV-100-CP Kit Includes

- 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
- 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	

TurboTorch® Oxygen Acetylene Welding, Cutting, and Brazing Kits



CST-150

CST-150 Complete Oxy-Fuel Kit Includes

- SKR-540R oxygen regulator
- SKR-200R fuel regulator
- 252-03P 3/16" x 12.5 ft. dual "A" hose
- Goggles
- Striker
- Check valves
- 0-W-J nozzle
- 2-W-J nozzle
- SKH-7A handle



CST-P

CST-150C Complete Oxy-Fuel Kit with Cutting Attachments Includes

- SKR-540R oxygen regulator
- SKR-200R acetylene regulator
- 252-03P 3/16" x 12.5 ft. dual hose
- Goggles
- Striker
- Check valves
- 0-W-J nozzle
- 2-W-J nozzle
- SKH-7A handle
- 0-3-101 cutting tip
- SLCA1260 cutting attachment

CST-P Portable Oxy-Fuel Kits Include

- SKR-540R oxygen regulator
- SKR-200R fuel regulator
- 252-03P 12-1/2 ft. Dual "A" 3/16" hose
- Goggles
- Striker
- Check valves
- 0-W-J nozzle
- 2-W-J nozzle
- SKH-7A handle
- 1421-0084 case

CST-CP Portable Oxy-Fuel Kits with Cutting Attachments Include

- SKR-540R oxygen regulator
- SKR-200R fuel regulator
- 252-03P 12-1/2 ft. Dual "A" 3/16" hose
- Goggles
- Striker
- Check valves
- 0-W-J nozzle
- 2-W-J nozzle
- SKH-7A handle
- 0-3-101 cutting tip
- SLCA1260 cutting attachment
- 1421-0084 case

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82770	CST-150 OXY-FUEL EQUIPMENT ONLY	—
1	EA	82769	CST-150C OXY FUEL EQUIPMENT ONLY	—
1	EA	82768	CST-CP OXY-FUEL TOTE W/O TANK	—
1	EA	82767	CST-P OXY FUEL TOTE W/O TANK	—

TurboTorch® Oxygen Acetylene Accessories



201-05FP



3-W-J

Regulators

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	82820	201-05FP ACETYLENE REG	—
1	EA	82821	221-05FP OXYGEN REG	—

Welding Nozzles and Mixers

1	EA	86181	3-W-J SIZE 3 WELDING NOZZLE & MIXER	—
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Hose

1	EA	82357	252-03P 12 1/2 FT TWIN LINE HOSE	—
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TurboTorch® 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	

TurboTorch® 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	

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	

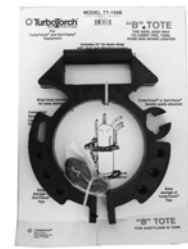
TurboTorch® Welding Accessories



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	

WRS® 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	



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 CO2 TANK ONLY	
1	EA	82373	CD 20LB CO2 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	



ENERGY SAVING PRODUCTS

Rhino Tank and Compressor Tote



This device allows technicians to easily pick up any hermetic compressor or nitrogen, and CO₂ cylinders. 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	

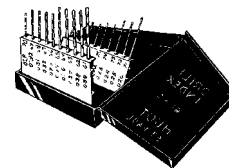
Malco® Drill Bits



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	
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Malco® 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	

Malco® 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	HH1 1/4" HEX DRIVER MAG - LONG	
6	EA	80776	HH2 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



32534



85484



32215



32216



612-4



610-1/4



646M



602-4DD



650-DD



32751



603-4GLW



605-4G:W



32451GLW

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	83657	32534 10 FOLD SCREW/NUT DRIVER SCHRADER VALVE CORE TOOL	
1	EA	83646	32557 HEAVY DUTY MULTI TIP SCREWDRIVER/NUT DRIVER	
1	EA	83647	32558 HEAVY DUTY RATCHETING MULTI TIP SCREWDRIVER/NUTDRIVER	
1	EA	83648	32559 EXTENDED REACH MULTI TIP SCREWDRIVER/NUT DRIVER	
1	EA	83649	32561 STUBBY MULTI BIT SCREWDRIVER/NUT DRIVER	

Screwdrivers

1	EA	83620	32510 NON-RATCH SCREWDRVR W/32PC BIT	
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	

Screw Holding Screwdrivers

1	EA	83643	32215 1/4IN SLOTTED SCREW-HOLDING SCREWDRIVER	
1	EA	83644	32216 #2 PHILLIPS SCREW-HOLDING SCREWDRIVER	

Terminal Block Screwdriver

1	EA	83645	612-4 TERMINAL BLOCK SCREWDRIVER	
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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	83622	646-5/16M 5/16X6 HOLLOW SHAFT NUT DRIVER-MAGNETIC CUSH GRIP	
1	EA	83623	646-1/4M 1/4X6 HOLLOW SHAFT NUT DRIVER-MAGNETIC CUSH GRIP	
1	EA	83627	646M 2-PIECE CUSHION GRIP MAGNETIC TIP NUT DRIVER SET	

Demolition Drivers

1	EA	83659	602-4DD 4 IN DEMOLITION DRIVER	
1	EA	83660	602-7DD 7 IN DEMOLITION DRIVER	

Demolition AWL/Punch

1	EA	83684	650-DD 4 IN DEMOLITION AWL/PUNCH	
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Adjustable Length Screwdriver

1	EA	83701	32751 #2 PHILLIPS 1/4" SLOTTED SCREWDRIVER ADJUSTABLE LENGTH	
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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	



11 in 1 Multi-Tip Screwdriver



The 48-22-2113 screwdriver has a patented ECX™ bit and hared 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 AND 1 MULTI TIP SCREWDRIVER	



SR6N1 Ratchet Screwdriver



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	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

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	



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 to help install QL systems.

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	



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



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	83714	56999 CONDUIT LOCKNUT WRENCH	



Journeyman Series Pliers



J203-6



J2000-9NE



J203-8



J207-8CR

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 sacrificing tool strength or durability.



J2000-48

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83603	J203-6 JOURNEYMAN STD SIDE CUT LONG NOSE PLIER	
1	EA	83602	J203-8 JOURNEYMAN HD SIDE-CUT LONG NOSE PLIER	
1	EA	83600	J2000-9NE JOURNEYMAN HI-LEVERAGE SIDE CUT PLIER	
1	EA	83601	J2000-48 JOURNEYMAN HI-LEVERAGE DIAG CUT PLIER	
1	EA	83700	J207-8CR ALL PURPOSE PLIERS W/STRIPPER AND 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	

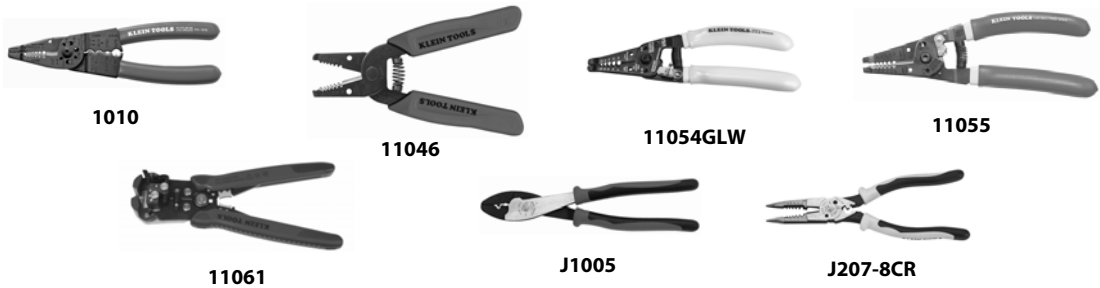
Malco Pliers



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



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	

Malco 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	

BOSTITCH® Tackers and Staplers



PC4000-OC2 Outward Clinch Tacker

- Easy squeeze design.
- Compact, lightweight.
- Convenient bottom load.
- Unique design turns staple legs outward.
- Drives 1/2" and 9/16" Bostitch PowerCrown™ staples.
- For pipe wrap, duct board, and corrugated.



P6C-8 Plier Stapler

Powerful hand stapling pliers, for easy, positive action. Cam operation provides leverage and dependable driving power. Operates easily on thick work.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 L/CTN	PC-2 F/CTN
10	BOX	43951	73347 STCR5019 3/8 IN STAPLES		
6	EA	43964	73349 PC4000-OC2 BOSTITCH TACKER		
10	BOX	43958	73350 STCR5019 1/2 IN STAPLES		
10	BOX	43969	73351 STCR5019 9/16 IN STAPLES		
24	EA	43944	73352 P6C-8 BOSTITCH PLIER STAPLER		
20	BOX	43971	73353 STH5019 3/8 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

- 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



44130 Folding



44132 Non-folding



44103

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	



Pocket Knives & Knife Sharpener



44001



44002



44052



48036

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	83692	44001 2-1/2IN DROP POINT BLADE LOCKBACK KNIFE LIGHTWEIGHT	
1	EA	83693	44002 2-3/8IN DROP POINT BLADE LOCKBACK KNIFE LIGHTWEIGHT	
1	EA	83694	44052BLK 2-3/4IN BLADE TANTO LOCKBACK KNIFE	
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



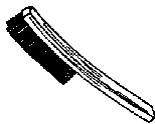
FST



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 / 9234 RADIATOR BRUSH	



Tradesman Pro™ Tool Bags



554158-14



5541610-14



5541718-14



5541819-14



55419SP-14



55241-14



55452RTB



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	83666	55452RTB TRADESMAN PRO ORGANIZER ROLLING TOOL BAG	
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



MB2



MC TECH



TECH PAC



TECH LC



PACK LT



PB4



TECH-MCT



CP4

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
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	
2	EA	82919	TECH PAC TECH SERIES BACKPACK TOOL BAG	
2	EA	82920	TECH LC TECH SERIES SERVICE TECHNICIAN'S TOOL BAG	
2	EA	82921	TECH PACK LT LAP TOP/TOOL BAG BACK PACK	
4	EA	82922	PB4 4 PARTS BAGS	
4	EA	82923	TECH MCT COMPACT TECH SERIES TOOL BAG	
4	EA	82924	CP4 GRUBBER CARGO PAC	

Malco® TB1 Tool Bag



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80580	TB1 SOFT SIDED TOOL BAG	

Milwaukee® 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	

Milwaukee® 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	

Milwaukee® 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	



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	



Tape Measure

- 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	



Tape Measure

- Finger stop
- Dual magnets
- Blueprint Scale
- Limited lifetime warranty
- 2 sided printin



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81148	48-22-5125 25 FT MAGNETIC TAPE MEASURE	

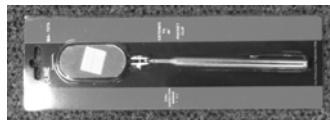


Telescoping Glass Mirrors



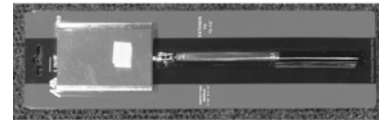
MA-143A

- 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	

MARS Mirrors



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
6	EA	82281	79352 / 9063 1X2 OVAL EXTEND-A-MIRROR	

MARS Rubber Tie Downs



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
48	EA	82252	79591 / 0174 19IN RUBBER TIE-DOWN	
24	EA	82253	79593 / 0175 35IN RUBBER TIE-DOWN	

MARS Shoe Cover



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	BOX	46000	79100 BLUE SHOE COVER (300EA/150 PAIRS)	

MARS 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 / 16766 BROWN JERSEY GLOVE	
12	PR	83376	79153 / 17158 RED LINED JERSEY GLOVE	



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	


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 PRECISION 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	



Sprayers

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

4300-51

The Flush gun connects to the charging hose. It is equipped with a rubber flush tool and makes flushing easy.



4768-W3

4768-W3

A 24-ounce capacity sprayer. It is used for small cleaning jobs, such as window units and water coolers.



4770-0

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

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

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

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	



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	

Nu-Calgon 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	

DIVERSiTECH 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	

DIVERSiTECH 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 whip hose and AP-DK accessory kit.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
2	EA	97798	MBK-6 DRAIN KAT KIT	



Heavy Duty Vacuum Cleaner Accessories

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	PKG	80113	49-90-0305 PAPER FILTER BAGS 3/PKG	



18V Wet/Dry Cordless Vacuum



- Works on all Milwaukee 18V slide-on batteries, Li-ion or NiCd
- Powerful motor to provide 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 ideal for both wet and dry applications HEPA rated high efficient filter

Voltage: 18DC
Material: Wet/dry
Capacity: 2 gallons
Max air flow: 45 cu. ft./min.
Sealed suction in water: 32 in.
Height: 11.5 in.
Width: 19 in.
Depth: 8.5 in.
Tool weight: 9.4 lbs.
Shipping weight: 13.5 lbs.

STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	80557	0880-20 18V CORDLESS VACUUM	



Contractor Lifts



2210

- 300 lb. capacity
- 10 ft. height



783651/783652

- 18' or 24' heights.
- 650 lb. capacity.
- Safety brake optional.
- Fork extensions are optional.
- New base design.
- New mast design.
- New hold down latching system.



784750

- 400 lb. lifting capacity
- 12 ft. height

Capacity (Lbs.)	Extension (Ft.)	STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
300	10	1	EA	80809	2210 LIL HOISTER LIFT	
650	18	1	EA	80008	783651 18FT/650LBS 2118 CONTRACTOR LIFT	
650	24	1	EA	80009	783652 24FT/650LBS 2124 CONTRACTOR LIFT	
400	12	1	EA	80808	784750 12FT/400LB 2412 CONTRACTOR LIFT	



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 inaccessible 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
- Limited lifetime LED warranty



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
1	EA	81144	2361-20 M18 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	
V28	2	PKG	80978	49-81-0040 V28 WORK LIGHT REPL BULB 2-PACK	
49-24-0145	6	EA	81073	49-81-0090 LED UPGRADE BULB	



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

MORITZ AND ASSOCIATES, INC.



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	

RAYOVAC® Batteries

Alkaline Maximum™ Industrial Batteries

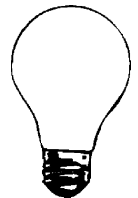
Mercury and cadmium free—better for the environment.

Made in the U.S.A.



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
12	PKG	81080	7-ALC C ALK BATTERY 6/PKG	
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	

MAPS® Service Bulb



STD PKG	U/M	BERCOR NUMBER	DESCRIPTION	PC-1 EACH
24	EA	77064	79173 100 WATT ROUGH SVC BULB 4/PKG	



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 as 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
- Premium speaker with 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 Jackets



2171



2173



2369



2381



2393



2399

2171, 2173, 2395, and 2399 Include

- Jacket or Vest
- M12 Red Lithium 2.0 compact battery pack (48-11-2420)
- M12 Battery holder with 2.1A USB charger

2369, 2381, and 2393 Include

- Hoodie or 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	81204	2171-L M12 LARGE BLACK HEATED JACKET KIT 3-IN-1 RIPSTOP	
1	EA	81205	2171-XL M12 XL BLACK HEATED JACKET KIT 3-IN-1 RIPSTOP	
1	EA	81206	2171-2X M12 XXL BLACK HEATED JACKET KIT 3-IN-1 RIPSTOP	
1	EA	81207	2173-L M12 LARGE BLACK HEATED VEST KIT RIPSTOP	
1	EA	81208	2173-XL M12 XL BLACK HEATED VEST KIT RIPSTOP	
1	EA	81209	2173-2X M12 XXL BLACK HEATED VEST KIT RIPSTOP	
1	EA	81189	2369-L M12 LARGE GREY HEATED HOODIE KIT	
1	EA	81190	2369-XL M12 XL GREY HEATED HOODIE KIT	
1	EA	81191	2369-2X M12 XXL GREY HEATED HOODIE KIT	
1	EA	81192	2381-L M12 LARGE BLACK HEATED HOODIE KIT	
1	EA	81193	2381-XL M12 XL BLACK HEATED HOODIE KIT	
1	EA	81194	2381-2X M12 XXL BLACK HEATED HOODIE KIT	
1	EA	81195	2395-L M12 LARGE BLACK HEATED JACKET KIT	
1	EA	81196	2395-XL M12 XL BLACK HEATED JACKET KIT	
1	EA	81197	2395-2X M12 XXL BLACK HEATED JACKET KIT	
1	EA	81198	2393-L M12 LARGE CAMO HEATED JACKET KIT "REALTREE XTRA"	
1	EA	81199	2393-XL M12 XL CAMO HEATED JACKET KIT "REALTREE XTRA"	
1	EA	81200	2393-2X M12 XXL CAMO HEATED JACKET KIT "REALTREE XTRA"	
1	EA	81201	2399-M M12 MEDIUM WOMENS HEATED JACKET KIT	
1	EA	81202	2399-L M12 LARGE WOMENS HEATED JACKET KIT	
1	EA	81203	2399-XL M12 XL WOMENS HEATED JACKET KIT	

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