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POLARCRAFT
REFRIGERATION PRODUCTS

Technical Guide

1/2 - 6 HP AIR-COOLED CONDENSING UNITS



AWEF-Compliant

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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Standard Features:

- Scroll compressors for medium and low temperature applications
- Voltages: 208-230V/3Ph/60Hz, 208-230V/1Ph/60Hz, 460V/3Ph/60Hz
- Refrigerants: R404A, R448A and R449A
- Oversized rifled copper tubing/aluminum fin high efficiency condenser coils
- Efficient and robust condenser fan motor(s)
- Powder coated steel base and housing to prevent corrosion from harsh environments
- Head pressure control valve setting at 100 PSIG to achieve high compressor EER at low condensing temperatures
- Crankcase heater for outdoor application
- Mini high and low fixed pressure controls for medium temperature units
- Mini high and adjustable low pressure controls for low temperature units
- Liquid line and suction line base mounted service valves with pressure ports at the unit outlets for easy access
- Liquid line filter/drier, sight glass and moisture level indicator
- Liquid receiver holding capacity is good for 100 ft line run when solenoid valve is mounted at evaporator(s). Fusible plug for safety is on the top of the receivers.
- Service valve at the outlet of receiver makes it easier to change liquid filter/drier without re-claiming refrigerant.
- Fixed time delay relay to prevent compressor short-cycling
- Factory pre-wired units for system pump-down operation

Optional Features:

- Coated condenser for corrosion resistance
- Adjustable low pressure control for medium temperature units
- Floating head control for electronic control and electric expansion valve (EEV) systems
- Adjustable dual pressure control switch
- Suction line filter, accumulator
- Low ambient kit with thermostat controlled heater and insulated receiver, low pressure bypass time delay relay
- Circuit breaker, fused or non-fused disconnect
- Phase loss/low voltage monitor



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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

POLARCRAFT

Nomenclature

PC	M	015	Z	C	T3	A
Model Name	Application	HP	Compressor Type	Compressor Make	Voltage	Refrigerant
	M = Med. Temp L = Low Temp	005 = 0.5 HP 008 = 0.75 HP 010 = 1.0 HP 015 = 1.5 HP 020 = 2.0 HP 030 = 3.0 HP 040 = 4.0 HP 050 = 5.0 HP 060 = 6.0 HP	Z = Scroll	C = Copeland	S1 = 208/230-1-60 T3 = 208/230-3-60 T4 = 460-3-60	A = R-448A/R-449A C = R-404A

Unit Performance Data – Medium Temperature Application R448/R449A

R448A / R449A **Cooling Capacity @ 80˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^A	ZB06KAE	10400	9540	8680	7860	7090	6370	5700	5080	4510
PCM008ZC^^A	ZB07KAE	12400	11300	10300	9300	8380	7510	6710	5980	5310
PCM009ZC^^A	ZB08KAE	14500	13200	12000	10800	9760	8750	7820	6970	6210
PCM010ZC^^A	ZS09KAE	15300	13800	12500	11200	10100	9070	8130	7270	6480
PCM013ZC^^A	ZS11KAE	18700	16900	15200	13700	12300	11000	9880	8820	7850
PCM015ZC^^A	ZS13KAE	21200	19100	17300	15500	14000	12500	11200	10000	8920
PCM020ZC^^A	ZS15KAE	25300	22800	20600	18600	16700	15000	13400	12000	10700
PCM025ZC^^A	ZS19KAE	28200	25400	22900	20600	18600	15200	15200	13700	12300
PCM030ZC^^A	ZS21KAE	40500	37000	33800	30700	27800	25100	22600	20300	18100
PCM035ZC^^A	ZS26KAE	44100	40200	36400	33000	29700	26700	24000	21400	19100
PCM045ZC^^A	ZS29KAE	50000	46000	42000	38300	34700	31400	28300	25400	22600
PCM050ZC^^A	ZS33KAE	54500	50000	45900	41800	38000	34400	31000	27800	24800
PCM055ZC^^A	ZS38K4E	64500	59500	55000	50000	45600	41300	37100	33100	29300
PCM060ZC^^A	ZS45K4E	75500	70000	64000	59000	53500	48500	43600	39000	34600

^^ --- Voltage code. Refer to nomenclature for electrical designation

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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Unit Performance Data – Medium Temperature Application R448/R449A

R448A / R449A **Cooling Capacity @ 90˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^A	ZB06KAE	9820	8970	8150	7380	6660	5980	5350	4770	4230
PCM008ZC^^A	ZB07KAE	11600	10600	9640	8730	7860	7050	6300	5620	4990
PCM009ZC^^A	ZB08KAE	13500	12300	11200	10200	9150	8220	7360	6560	5850
PCM010ZC^^A	ZS09KAE	14600	13200	11900	10700	9640	8670	7780	6980	6240
PCM013ZC^^A	ZS11KAE	17900	16200	14600	13100	11800	10600	9460	8460	7550
PCM015ZC^^A	ZS13KAE	20300	18300	16500	14800	13300	12000	10700	9620	8590
PCM020ZC^^A	ZS15KAE	24100	21800	19700	17700	16000	14300	12900	11500	10300
PCM025ZC^^A	ZS19KAE	26600	24000	21600	19500	17700	16000	14500	13100	11700
PCM030ZC^^A	ZS21KAE	38200	34900	31900	28900	26200	23600	21200	19000	16900
PCM035ZC^^A	ZS26KAE	41800	38000	34400	31100	28000	25100	22500	20100	17900
PCM045ZC^^A	ZS29KAE	47300	43400	39600	36100	32700	29500	26500	23700	21100
PCM050ZC^^A	ZS33KAE	51500	47200	43200	39300	35700	32300	29000	26000	23100
PCM055ZC^^A	ZS38K4E	60500	56000	51500	46900	42600	38400	34300	30500	27000
PCM060ZC^^A	ZS45K4E	71000	65500	60000	55000	49900	45000	40400	36000	31900

R448A / R449A **Cooling Capacity @ 95˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^A	ZB06KAE	9505	8675	7880	7130	6430	5770	5160	4595	4075
PCM008ZC^^A	ZB07KAE	11200	10250	9320	8435	7600	6815	6090	5430	4825
PCM009ZC^^A	ZB08KAE	13000	11900	10800	9830	8845	7950	7120	6350	5665
PCM010ZC^^A	ZS09KAE	14100	12750	11500	10350	9350	8415	7565	6800	6100
PCM013ZC^^A	ZS11KAE	17450	15750	14200	12750	11450	10300	9230	8275	7405
PCM015ZC^^A	ZS13KAE	19750	17800	16050	14400	12950	11700	10450	9400	8420
PCM020ZC^^A	ZS15KAE	23400	21150	19100	17200	15500	13950	12550	11250	10095
PCM025ZC^^A	ZS19KAE	25700	23200	20900	18850	17100	15500	14050	12700	11400
PCM030ZC^^A	ZS21KAE	37050	33850	30900	28000	25350	22850	20500	18300	16250
PCM035ZC^^A	ZS26KAE	40500	36750	33250	30000	26950	24150	21650	19300	17200
PCM045ZC^^A	ZS29KAE	45850	42050	38350	34900	31600	28500	25600	22850	20250
PCM050ZC^^A	ZS33KAE	49900	45700	41800	38050	34500	31150	27950	25000	22150
PCM055ZC^^A	ZS38K4E	58750	54250	49700	45200	41000	36900	32950	29300	25900
PCM060ZC^^A	ZS45K4E	68750	63250	58000	53000	48050	43300	38800	34600	30650

^^ --- Voltage code. Refer to nomenclature for electrical designation

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Unit Performance Data – Medium Temperature Application R448/R449A

R448A / R449A **Cooling Capacity @ 100˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^A	ZB06KAE	9190	8380	7610	6880	6200	5560	4970	4420	3920
PCM008ZC^^A	ZB07KAE	10800	9900	9000	8140	7340	6580	5880	5240	4660
PCM009ZC^^A	ZB08KAE	12500	11500	10400	9460	8540	7680	6880	6140	5480
PCM010ZC^^A	ZS09KAE	13600	12300	11100	10000	9060	8160	7350	6620	5960
PCM013ZC^^A	ZS11KAE	17000	15300	13800	12400	11100	10000	9000	8090	7260
PCM015ZC^^A	ZS13KAE	19200	17300	15600	14000	12600	11400	10200	9180	8250
PCM020ZC^^A	ZS15KAE	22700	20500	18500	16700	15000	13600	12200	11000	9890
PCM025ZC^^A	ZS19KAE	24800	22400	20200	18200	16500	15000	13600	12300	11100
PCM030ZC^^A	ZS21KAE	35900	32800	29900	27100	24500	22100	19800	17600	15600
PCM035ZC^^A	ZS26KAE	39200	35500	32100	28900	25900	23200	20800	18500	16500
PCM045ZC^^A	ZS29KAE	44400	40700	37100	33700	30500	27500	24700	22000	19400
PCM050ZC^^A	ZS33KAE	48300	44200	40400	36800	33300	30000	26900	24000	21200
PCM055ZC^^A	ZS38K4E	57000	52500	47900	43500	39400	35400	31600	28100	24800
PCM060ZC^^A	ZS45K4E	66500	61000	56000	51000	46200	41600	37200	33200	29400

R448A / R449A **Cooling Capacity @ 110˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^A	ZB06KAE	8550	7790	7070	6390	5750	5140	4590	4070	3600
PCM008ZC^^A	ZB07KAE	10100	9190	8360	7570	6820	6130	5480	4880	4330
PCM009ZC^^A	ZB08KAE	11500	10600	9660	8770	7940	7150	6410	5740	5120
PCM010ZC^^A	ZS09KAE	12400	11200	10100	9140	8250	7450	6730	6100	5530
PCM013ZC^^A	ZS11KAE	15800	14200	12800	11500	10300	9300	8380	7570	6840
PCM015ZC^^A	ZS13KAE	17700	16000	14400	12900	11700	10500	9480	8560	7750
PCM020ZC^^A	ZS15KAE	20800	18800	17000	15300	13800	12500	11300	10200	9240
PCM025ZC^^A	ZS19KAE	22700	20400	18400	16700	15100	13700	12500	11400	10300
PCM030ZC^^A	ZS21KAE	33500	30600	27800	25200	22700	20400	18100	16000	14100
PCM035ZC^^A	ZS26KAE	35800	32300	29100	26100	23300	20800	18500	16400	14600
PCM045ZC^^A	ZS29KAE	41300	37800	34400	31200	28200	25300	22600	20000	17500
PCM050ZC^^A	ZS33KAE	44800	41000	37400	34000	30700	27600	24600	21800	19100
PCM055ZC^^A	ZS38K4E	52500	48400	44200	40100	36200	32500	29100	25900	23000
PCM060ZC^^A	ZS45K4E	62000	56500	52000	47100	42600	38400	34400	30800	27500

^^ --- Voltage code. Refer to nomenclature for electrical designation

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Unit Performance Data – Medium Temperature Application R448/R449A

R448A/R449A **Cooling Capacity @ 120˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^A	ZB06KAE	7940	7230	6560	5920	5320	4750	4230	3750	-
PCM008ZC^^A	ZB07KAE	9290	8500	7740	7020	6340	5700	5100	4550	-
PCM009ZC^^A	ZB08KAE	-	-	8880	8100	7350	6640	5970	5360	-
PCM010ZC^^A	ZS09KAE	-	-	-	7860	7110	6440	5850	-	-
PCM013ZC^^A	ZS11KAE	14100	12700	11400	10200	9180	8260	7460	6750	-
PCM015ZC^^A	ZS13KAE	15800	14200	12700	11400	10300	9270	8380	7600	-
PCM020ZC^^A	ZS15KAE	-	16500	14900	13400	12100	10900	9870	8970	-
PCM025ZC^^A	ZS19KAE	-	-	16200	14700	13300	12100	11000	9990	-
PCM030ZC^^A	ZS21KAE	30900	28100	25500	23000	20700	18400	16300	14300	-
PCM035ZC^^A	ZS26KAE	31700	28400	25300	22500	19900	17600	15500	13600	-
PCM045ZC^^A	ZS29KAE	-	-	31500	28500	25600	22900	20200	17700	-
PCM050ZC^^A	ZS33KAE	-	-	-	30900	27800	24800	22000	-	-
PCM055ZC^^A	ZS38K4E	48700	44600	40700	36900	33300	30000	26900	24200	-
PCM060ZC^^A	ZS45K4E	57500	52500	48000	43600	39500	35700	32200	-	-

Unit Performance Data – Low Temperature Application R448A/R449A

R448A/R449A **Cooling Capacity @ 80˚F Ambient Temperature**

Model	Compressor	0˚F	-5˚F	-10˚F	-15˚F	-20˚F	-25˚F	-30˚F	-35˚F	-40˚F
PCL006ZC^^A	ZF03KAE	4980	4420	3920	3490	3100	2760	2460	2190	1950
PCL008ZC^^A	ZF04KAE	6810	6040	5330	4680	4090	3570	3110	2720	2400
PCL010ZC^^A	ZF05KAE	7990	7110	6300	5550	4860	4240	3680	3200	2780
PCL022ZC^^A	ZF07KAE	11700	10500	9360	8350	7440	6600	5820	5090	4380
PCL025ZC^^A	ZF08K4E	14300	12800	11400	10100	8950	7890	6940	6080	5310
PCL030ZC^^A	ZF09K4E	15700	14100	12600	11200	9940	8780	7730	6770	5900
PCL035ZC^^A	ZF11K4E	19300	17300	15500	13800	12200	10800	9520	8340	7280
PCL045ZC^^A	ZF13K4E	23800	21300	19000	16800	14800	12900	11300	9730	8370
PCL055ZC^^A	ZF15K4E	28700	25800	23000	20400	18100	15900	13900	12200	10600
PCL060ZC^^A	ZF18K4E	33900	30500	27300	24300	21500	19000	16700	14500	12600

R448A/R449A **Cooling Capacity @ 90˚F Ambient Temperature**

Model	Compressor	0˚F	-5˚F	-10˚F	-15˚F	-20˚F	-25˚F	-30˚F	-35˚F	-40˚F
PCL006ZC^^A	ZF03KAE	4650	4140	3680	3280	2930	2610	2330	2070	1830
PCL008ZC^^A	ZF04KAE	6380	5660	5000	4390	3840	3360	2930	2570	2270
PCL010ZC^^A	ZF05KAE	7480	6660	5900	5200	4560	3980	3460	3010	2630
PCL022ZC^^A	ZF07KAE	11000	9810	8770	7840	6990	6220	5500	4810	4130
PCL025ZC^^A	ZF08K4E	13500	12100	10800	9570	8480	7470	6560	5740	4990
PCL030ZC^^A	ZF09K4E	14800	13300	11900	10600	9410	8320	7320	6410	5580
PCL035ZC^^A	ZF11K4E	18200	16400	14700	13100	11600	10300	9030	7920	6920
PCL045ZC^^A	ZF13K4E	22200	19800	17700	15600	13800	12100	10500	9170	7980
PCL055ZC^^A	ZF15K4E	26800	24000	21500	19100	16900	14900	13100	11500	10100
PCL060ZC^^A	ZF18K4E	31600	28500	25500	22800	20200	17900	15800	13900	12100

^^ --- Voltage code. Refer to nomenclature for electrical designation

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Unit Performance Data – Low Temperature Application R448A/R449A

R448A/R449A **Cooling Capacity @ 95˚F Ambient Temperature**

Model	Compressor	0˚F	-5˚F	-10˚F	-15˚F	-20˚F	-25˚F	-30˚F	-35˚F	-40˚F
PCL006ZC^^A	ZF03KAE	4485	3995	3560	3175	2835	2530	2255	2005	1765
PCL008ZC^^A	ZF04KAE	6155	5460	4820	4235	3710	3245	2835	2490	2210
PCL010ZC^^A	ZF05KAE	7215	6425	5695	5015	4400	3840	3345	2910	2545
PCL022ZC^^A	ZF07KAE	10600	9460	8465	7570	6760	6020	5325	4660	4000
PCL025ZC^^A	ZF08K4E	12650	11350	10145	9010	7990	7040	6185	5400	4685
PCL030ZC^^A	ZF09K4E	14350	12900	11550	10295	9145	8090	7125	6240	5430
PCL035ZC^^A	ZF11K4E	17650	15900	14250	12700	11250	9990	8785	7710	6735
PCL045ZC^^A	ZF13K4E	21350	19100	17000	15050	13300	11650	10195	8940	7840
PCL055ZC^^A	ZF15K4E	25800	23100	20700	18400	16350	14450	12750	11200	9885
PCL060ZC^^A	ZF18K4E	30450	27450	24650	22050	19600	17400	15400	13600	11950

R448A/R449A **Cooling Capacity @ 100˚F Ambient Temperature**

Model	Compressor	0˚F	-5˚F	-10˚F	-15˚F	-20˚F	-25˚F	-30˚F	-35˚F	-40˚F
PCL006ZC^^A	ZF03KAE	4320	3850	3440	3070	2740	2450	2180	1940	1700
PCL008ZC^^A	ZF04KAE	5930	5260	4640	4080	3580	3130	2740	2410	2150
PCL010ZC^^A	ZF05KAE	6950	6190	5490	4830	4240	3700	3230	2810	2460
PCL022ZC^^A	ZF07KAE	10200	9110	8160	7300	6530	5820	5150	4510	3870
PCL025ZC^^A	ZF08K4E	11800	10600	9490	8450	7500	6610	5810	5060	4380
PCL030ZC^^A	ZF09K4E	13900	12500	11200	9990	8880	7860	6930	6070	5280
PCL035ZC^^A	ZF11K4E	17100	15400	13800	12300	10900	9680	8540	7500	6550
PCL045ZC^^A	ZF13K4E	20500	18400	16300	14500	12800	11200	9890	8710	7700
PCL055ZC^^A	ZF15K4E	24800	22200	19900	17700	15800	14000	12400	10900	9670
PCL060ZC^^A	ZF18K4E	29300	26400	23800	21300	19000	16900	15000	13300	1180

R448A/R449A **Cooling Capacity @ 110˚F Ambient Temperature**

Model	Compressor	0˚F	-5˚F	-10˚F	-15˚F	-20˚F	-25˚F	-30˚F	-35˚F	-40˚F
PCL006ZC^^A	ZF03KAE	4010	3580	3210	2870	2570	2300	2050	1810	1580
PCL008ZC^^A	ZF04KAE	5480	4860	4290	3780	3320	2910	2560	2260	2020
PCL010ZC^^A	ZF05KAE	6430	5720	5070	4470	3920	3430	2990	2610	2290
PCL022ZC^^A	ZF07KAE	9360	8400	7540	6770	6070	5420	4810	4220	3620
PCL025ZC^^A	ZF08K4E	11800	10600	9490	8450	7500	6610	5810	5060	4380
PCL030ZC^^A	ZF09K4E	13000	11700	10500	9400	8370	7410	6540	5730	4990
PCL035ZC^^A	ZF11K4E	15900	14400	12900	11500	10300	9090	8030	7070	6180
PCL045ZC^^A	ZF13K4E	18800	16800	14900	13300	11800	10500	9300	8330	7530
PCL055ZC^^A	ZF15K4E	22600	20400	18300	16300	14600	13000	11600	10400	9290
PCL060ZC^^A	ZF18K4E	26900	24300	21900	19800	17700	15900	14300	12800	11500

^^ --- Voltage code. Refer to nomenclature for electrical designation

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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Unit Performance Data – Medium Temperature Application R404A

R404A **Cooling Capacity @ 80˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^C	ZB06KAE	11600	10500	9550	8630	7760	6960	6220	5550	4960
PCM008ZC^^C	ZB07KAE	14000	12700	11500	10400	9320	8360	7470	6660	5910
PCM009ZC^^C	ZB08KAE	15900	14300	13000	11700	10600	9570	8640	7770	6970
PCM010ZC^^C	ZS09KAE	16900	15500	14300	13100	11900	10800	9840	8890	8000
PCM013ZC^^C	ZS11KAE	21400	19600	17900	16300	14800	13500	12200	11000	9860
PCM015ZC^^C	ZS13KAE	25700	23400	21300	19300	17600	15900	14400	13000	11700
PCM020ZC^^C	ZS15KAE	28100	25900	23700	21700	19800	18000	16400	14800	13300
PCM025ZC^^C	ZS19KAE	30900	28500	26200	24000	22000	20000	18200	16400	14800
PCM030ZC^^C	ZS21KAE	43000	39500	36300	33200	30300	27500	25000	22600	20300
PCM035ZC^^C	ZS26KAE	47200	43500	39900	36600	33400	30400	27600	25000	22500
PCM045ZC^^C	ZS29KAE	52500	48400	44500	40900	37400	34100	31000	28100	25300
PCM050ZC^^C	ZS33KAE	56500	52500	48300	44400	40700	37200	33800	30700	27700
PCM055ZC^^C	ZS38K4E	65500	61000	56000	51500	47300	43300	39500	36000	32600
PCM060ZC^^C	ZS45K4E	76500	70500	65500	60000	55500	50500	46400	42300	38500

R404A **Cooling Capacity @ 90˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^C	ZB06KAE	10700	9750	8870	8030	7240	6500	5820	5200	4640
PCM008ZC^^C	ZB07KAE	12900	11800	10700	9630	8680	7800	6990	6240	5540
PCM009ZC^^C	ZB08KAE	14600	13200	12000	10900	9840	8910	8060	7260	6520
PCM010ZC^^C	ZS09KAE	15400	14200	13100	12000	11000	10000	9090	8210	7370
PCM013ZC^^C	ZS11KAE	19600	18000	16500	15100	13700	12500	11300	10200	9130
PCM015ZC^^C	ZS13KAE	24200	22000	20000	18200	16600	15000	13600	12300	11100
PCM020ZC^^C	ZS15KAE	25700	23700	21800	20000	18300	16700	15100	13700	12300
PCM025ZC^^C	ZS19KAE	28300	26200	24100	22100	20300	18500	16800	15200	13600
PCM030ZC^^C	ZS21KAE	39500	36400	33400	30600	28000	25400	23100	20800	18700
PCM035ZC^^C	ZS26KAE	43400	40000	36800	33800	30900	28100	25500	23100	20700
PCM045ZC^^C	ZS29KAE	48200	44600	41100	37700	34600	31600	28700	25900	23300
PCM050ZC^^C	ZS33KAE	52000	48300	44600	41000	37600	34400	31300	28300	25500
PCM055ZC^^C	ZS38K4E	61000	56500	52000	48000	44000	40200	36700	33400	30300
PCM060ZC^^C	ZS45K4E	71000	66000	60500	56000	51500	47200	43100	39300	35800

^^ --- Voltage code. Refer to nomenclature for electrical designation

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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Unit Performance Data – Medium Temperature Application R404A

R404A **Cooling Capacity @ 95˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^C	ZB06KAE	10245	9360	8525	7725	6975	6270	5615	5015	4475
PCM008ZC^^C	ZB07KAE	12350	11300	10245	9255	8360	7525	6755	6035	5360
PCM009ZC^^C	ZB08KAE	13950	12650	11500	10445	9460	8580	7770	7015	6300
PCM010ZC^^C	ZS09KAE	14700	13600	12550	11500	10550	9615	8740	7895	7080
PCM013ZC^^C	ZS11KAE	18750	17250	15800	14450	13150	12000	10850	9770	8740
PCM015ZC^^C	ZS13KAE	23450	21350	19400	17650	16050	14550	13200	11950	10800
PCM020ZC^^C	ZS15KAE	24700	22750	20950	19250	17600	16050	14550	13150	11800
PCM025ZC^^C	ZS19KAE	27200	25150	23200	21300	19500	17800	16150	14600	13050
PCM030ZC^^C	ZS21KAE	37850	34900	32050	29350	26850	24400	22150	20000	17900
PCM035ZC^^C	ZS26KAE	41600	38400	35350	32450	29700	27050	24550	22150	19850
PCM045ZC^^C	ZS29KAE	46300	42850	39500	36250	33300	30400	27600	24900	22350
PCM050ZC^^C	ZS33KAE	50050	46450	42900	39500	36250	33150	30150	27250	24500
PCM055ZC^^C	ZS38K4E	58750	54250	50050	46100	42250	38600	35250	32050	29100
PCM060ZC^^C	ZS45K4E	68500	63500	58250	53750	49450	45350	41450	37800	34400

R404A **Cooling Capacity @ 100˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^C	ZB06KAE	9790	8970	8180	7420	6710	6040	5410	4830	4310
PCM008ZC^^C	ZB07KAE	11800	10800	9790	8880	8040	7250	6520	5830	5180
PCM009ZC^^C	ZB08KAE	13300	12100	11000	9990	9080	8250	7480	6770	6080
PCM010ZC^^C	ZS09KAE	14000	13000	12000	11000	10100	9230	8390	7580	6790
PCM013ZC^^C	ZS11KAE	17900	16500	15100	13800	12600	11500	10400	9340	8350
PCM015ZC^^C	ZS13KAE	22700	20700	18800	17100	15500	14100	12800	11600	10500
PCM020ZC^^C	ZS15KAE	23700	21800	20100	18500	16900	15400	14000	12600	11300
PCM025ZC^^C	ZS19KAE	26100	24100	22300	20500	18700	17100	15500	14000	12500
PCM030ZC^^C	ZS21KAE	36200	33400	30700	28100	25700	23400	21200	19200	17100
PCM035ZC^^C	ZS26KAE	39800	36800	33900	31100	28500	26000	23600	21200	19000
PCM045ZC^^C	ZS29KAE	44400	41100	37900	34800	32000	29200	26500	23900	21400
PCM050ZC^^C	ZS33KAE	48100	44600	41200	38000	34900	31900	29000	26200	23500
PCM055ZC^^C	ZS38K4E	56500	52000	48100	44200	40500	37000	33800	30700	27900
PCM060ZC^^C	ZS45K4E	66000	61000	56000	51500	47400	43500	39800	36300	33000

^^ --- Voltage code. Refer to nomenclature for electrical designation

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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Unit Performance Data – Medium Temperature Application R404A

R404A **Cooling Capacity @ 110˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^C	ZB06KAE	8860	8140	7440	6770	6130	5520	4950	4420	3920
PCM008ZC^^C	ZB07KAE	10600	9730	8880	8100	7360	6670	6020	5400	4810
PCM009ZC^^C	ZB08KAE	12000	10900	9960	9080	8280	7560	6880	6240	5620
PCM010ZC^^C	ZS09KAE	12700	11800	11000	10100	9330	8550	7790	7040	6300
PCM013ZC^^C	ZS11KAE	17700	16300	15100	13900	12700	11700	10600	9650	8690
PCM015ZC^^C	ZS13KAE	23300	21200	19200	17500	15900	14500	13200	12000	10900
PCM020ZC^^C	ZS15KAE	23300	21600	20000	18500	17100	15700	14300	13000	11700
PCM025ZC^^C	ZS19KAE	25700	23900	22200	20500	18900	17400	15900	14500	13100
PCM030ZC^^C	ZS21KAE	33100	30600	28200	26000	23800	21800	19800	17800	15900
PCM035ZC^^C	ZS26KAE	36500	33800	31200	28800	26400	24100	21900	19800	17700
PCM045ZC^^C	ZS29KAE	40700	37800	35000	32300	29700	27200	24700	22300	20000
PCM050ZC^^C	ZS33KAE	44200	41100	38100	35300	32500	29700	27100	24500	21900
PCM055ZC^^C	ZS38K4E	51500	47500	43800	40200	36900	33700	30800	28000	25500
PCM060ZC^^C	ZS45K4E	60000	55500	51000	47000	43200	39600	36300	33100	30200

R404A **Cooling Capacity @ 120˚F Ambient Temperature**

Model	Compressor	+40˚F	+35˚F	+30˚F	+25˚F	+20˚F	+15˚F	+10˚F	+5˚F	0˚F
PCM005ZC^^C	ZB06KAE	7970	7340	6720	6120	5550	4990	4460	3960	3480
PCM008ZC^^C	ZB07KAE	9540	8760	8020	7340	6700	6100	5520	4970	4430
PCM009ZC^^C	ZB08KAE	10900	9880	9010	8240	7530	6890	6300	5730	-
PCM010ZC^^C	ZS09KAE	11900	11100	10300	9560	8840	8130	7430	6720	-
PCM013ZC^^C	ZS11KAE	15000	13900	12900	11900	10900	10000	9100	8210	7330
PCM015ZC^^C	ZS13KAE	19500	17800	16100	14700	13300	12100	11000	10000	-
PCM020ZC^^C	ZS15KAE	20000	18600	17300	16000	14800	13600	12400	11200	-
PCM025ZC^^C	ZS19KAE	22200	20700	19300	17900	16500	15200	13800	12500	-
PCM030ZC^^C	ZS21KAE	30600	28400	26300	24300	22400	20500	18700	16900	15100
PCM035ZC^^C	ZS26KAE	33800	31400	29200	27000	24900	22900	20800	18800	-
PCM045ZC^^C	ZS29KAE	37800	35300	32800	30400	28100	25800	23600	21300	-
PCM050ZC^^C	ZS33KAE	41100	38500	35900	33300	30800	28400	25900	23500	-
PCM060ZC^^C	ZS45K4E	-	49700	45900	42300	38900	35700	32700	29900	27300

^^ --- Voltage code. Refer to nomenclature for electrical designation

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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Unit Performance Data – Low Temperature Application R404A

R404A **Cooling Capacity @ 80˚F Ambient Temperature**

Model	Compressor	0˚F	-5˚F	-10˚F	-15˚F	-20˚F	-25˚F	-30˚F	-35˚F	-40˚F
PCL006ZC^^C	ZF03KAE	5670	5020	4450	3940	3490	3090	2740	2440	2180
PCL008ZC^^C	ZF04KAE	7660	6820	6050	5340	4700	4120	3620	3190	2830
PCL010ZC^^C	ZF05KAE	9020	8100	7240	6440	5700	5030	4420	3870	3400
PCL022ZC^^C	ZF07KAE	13500	12200	10900	9830	8780	7810	6890	6020	5170
PCL025ZC^^C	ZF08K4E	15800	14300	12900	11600	10400	9240	8220	7280	6410
PCL030ZC^^C	ZF09K4E	17400	15800	14200	12800	11500	10300	9130	8070	7090
PCL035ZC^^C	ZF11K4E	21200	19300	17400	15700	14100	12600	11200	9900	8710
PCL045ZC^^C	ZF13K4E	25600	23200	20900	18800	16800	14900	13200	11500	10000
PCL055ZC^^C	ZF15K4E	30800	27900	25200	22700	20400	18200	16200	14300	12600
PCL060ZC^^C	ZF18K4E	48200	43700	39400	35500	31700	28300	19300	17000	14900

R404A **Cooling Capacity @ 90˚F Ambient Temperature**

Model	Compressor	0˚F	-5˚F	-10˚F	-15˚F	-20˚F	-25˚F	-30˚F	-35˚F	-40˚F
PCL006ZC^^C	ZF03KAE	5220	4630	4110	3640	3240	2880	2560	2290	2050
PCL008ZC^^C	ZF04KAE	7060	6290	5570	4920	4330	3810	3350	2960	2640
PCL010ZC^^C	ZF05KAE	8340	7490	6700	5960	5270	4650	4090	3590	3160
PCL022ZC^^C	ZF07KAE	12400	11200	10100	9070	8120	7220	6380	5560	476
PCL025ZC^^C	ZF08K4E	14700	13300	12000	10800	9680	8640	7690	6800	5990
PCL030ZC^^C	ZF09K4E	16100	14600	13200	11900	10700	9590	8540	7560	6640
PCL035ZC^^C	ZF11K4E	19700	17900	16200	14600	13100	11800	10500	9290	8170
PCL045ZC^^C	ZF13K4E	23700	21400	19300	17300	15500	13800	12100	10700	9280
PCL055ZC^^C	ZF15K4E	28500	25800	23300	21000	18900	16900	15000	13300	11700
PCL060ZC^^C	ZF18K4E	33400	30400	27600	25000	22500	20200	18000	15900	14000

R404A **Cooling Capacity @ 95˚F Ambient Temperature**

Model	Compressor	0˚F	-5˚F	-10˚F	-15˚F	-20˚F	-25˚F	-30˚F	-35˚F	-40˚F
PCL006ZC^^C	ZF03KAE	5005	4440	3945	3500	3120	2775	2475	2220	1990
PCL008ZC^^C	ZF04KAE	6770	6030	5340	4715	4155	3655	3220	2850	2550
PCL010ZC^^C	ZF05KAE	7990	7180	6420	5715	5060	4465	3930	3450	3040
PCL022ZC^^C	ZF07KAE	11800	10650	9635	8670	7775	6920	6115	5335	4560
PCL025ZC^^C	ZF08K4E	14050	12750	11500	10345	9275	8285	7370	6515	5730
PCL030ZC^^C	ZF09K4E	15450	14000	12650	11400	10270	9200	8190	7250	6365
PCL035ZC^^C	ZF11K4E	18850	17150	15550	14000	12600	11300	10070	8920	7850
PCL045ZC^^C	ZF13K4E	22650	20450	18450	16550	14800	13150	11600	10230	8915
PCL055ZC^^C	ZF15K4E	27250	24700	22300	20100	18100	16200	14400	12750	11250
PCL060ZC^^C	ZF18K4E	32000	29150	26500	24000	21600	19400	17300	15300	13450

^^ --- Voltage code. Refer to nomenclature for electrical designation

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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Unit Performance Data – Low Temperature Application R404A

R404A — Cooling Capacity @ 100˚F Ambient Temperature

Model	Compressor	0˚F	-5˚F	-10˚F	-15˚F	-20˚F	-25˚F	-30˚F	-35˚F	-40˚F
PCL006ZC^^C	ZF03KAE	4790	4250	3780	3360	3000	2670	2390	2150	1930
PCL008ZC^^C	ZF04KAE	6480	5770	5110	4510	3980	3500	3090	2740	2460
PCL010ZC^^C	ZF05KAE	7640	6870	6140	5470	4850	4280	3770	3310	2920
PCL022ZC^^C	ZF07KAE	11200	10100	9170	8270	7430	6620	5850	5110	4360
PCL025ZC^^C	ZF08K4E	13400	12200	11000	9890	8870	7930	7050	6230	5470
PCL030ZC^^C	ZF09K4E	14800	13400	12100	10900	9840	8810	7840	6940	6090
PCL035ZC^^C	ZF11K4E	18000	16400	14900	13400	12100	10800	9640	8550	7530
PCL045ZC^^C	ZF13K4E	21600	19500	17600	15800	14100	12500	11100	9760	8550
PCL055ZC^^C	ZF15K4E	26000	23600	21300	19200	17300	15500	13800	12200	10800
PCL060ZC^^C	ZF18K4E	30600	27900	25400	23000	20700	18600	16600	14700	12900

R404A — Cooling Capacity @ 110˚F Ambient Temperature

Model	Compressor	0˚F	-5˚F	-10˚F	-15˚F	-20˚F	-25˚F	-30˚F	-35˚F	-40˚F
PCL006ZC^^C	ZF03KAE	4330	3850	3430	3060	2740	2460	2210	1990	1800
PCL008ZC^^C	ZF04KAE	5850	5210	4610	4080	3590	3170	2800	2500	2260
PCL010ZC^^C	ZF05KAE	6890	6200	5550	4940	4380	3870	3410	3010	2650
PCL022ZC^^C	ZF07KAE	9930	9020	8180	7400	6670	5960	5290	4610	3930
PCL025ZC^^C	ZF08K4E	12200	11000	9990	9010	8090	7240	6440	5690	4980
PCL030ZC^^C	ZF09K4E	13400	12200	11000	9970	8980	8050	7180	6360	5580
PCL035ZC^^C	ZF11K4E	16200	14800	13400	12200	11000	9850	8800	7820	6890
PCL045ZC^^C	ZF13K4E	19500	17600	15800	14200	12700	11400	10100	8970	7930
PCL055ZC^^C	ZF15K4E	23400	21300	19300	17400	15700	14100	12600	11200	9830
PCL060ZC^^C	ZF18K4E	27700	25300	23100	20900	19000	17100	15300	13600	12000

R404A — Cooling Capacity @ 120˚F Ambient Temperature

Model	Compressor	0˚F	-5˚F	-10˚F	-15˚F	-20˚F	-25˚F	-30˚F	-35˚F	-40˚F
PCL006ZC^^C	ZF03KAE	3850	3430	3070	2740	2460	2220	2000	1820	1650
PCL008ZC^^C	ZF04KAE	5220	4640	4100	3620	3190	2810	2490	2230	2030
PCL010ZC^^C	ZF05KAE	6160	5530	4940	4415	3890	3430	3020	2660	235
PCL022ZC^^C	ZF07KAE	8770	7970	7327	6684	6041	5399	4756	4113	3470
PCL025ZC^^C	ZF08K4E	10800	9800	8870	8030	7190	6430	5720	5040	4400
PCL030ZC^^C	ZF09K4E	11900	10800	9830	8953	8077	7200	6420	5680	4970
PCL035ZC^^C	ZF11K4E	14400	13100	11900	10910	9920	8930	7940	6950	6130
PCL045ZC^^C	ZF13K4E	17200	15500	14000	12600	11300	10100	9090	8150	7320
PCL055ZC^^C	ZF15K4E	20800	18900	17100	14800	14000	12500	11200	9930	8750
PCL060ZC^^C	ZF18K4E	24700	22600	20700	18975	17250	15525	13800	12300	10900

^^ --- Voltage code. Refer to nomenclature for electrical designation

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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Unit Specifications – Medium Temperature Models

Model	Compressor	HP	Frame	Refrigerant Line Connections (in, OD)		Receiver Cap. 90% Full (lbs)	Dimensions (in)			Net Weight (lbs)
				Liquid	Suction		Depth	Width	Height	
PCM005ZC^^*	ZB06KAE	0.5	P1	3/8	5/8	8	33.0	27.0	20.0	189
PCM008ZC^^*	ZB07KAE	0.8	P1	3/8	5/8	8	33.0	27.0	20.0	189
PCM009ZC^^*	ZB08KAE	0.9	P1	3/8	5/8	8	33.0	27.0	20.0	189
PCM010ZC^^*	ZS09KAE	1.0	P1	3/8	5/8	8	33.0	27.0	20.0	189
PCM013ZC^^*	ZS11KAE	1.3	P2	1/2	7/8	15	33.0	40.5	20.0	251
PCM015ZC^^*	ZS13KAE	1.5	P2	1/2	7/8	15	33.0	40.5	20.0	251
PCM020ZC^^*	ZS15KAE	2.0	P2	1/2	7/8	15	33.0	40.5	20.0	251
PCM025ZC^^*	ZS19KAE	2.5	P2	1/2	7/8	15	33.0	40.5	20.0	251
PCM030ZC^^*	ZS21KAE	3.0	P3	1/2	7/8	20	33.5	46.0	30.0	349
PCM035ZC^^*	ZS26KAE	3.5	P3	1/2	7/8	20	33.5	46.0	30.0	349
PCM045ZC^^*	ZS29KAE	4.5	P3	1/2	1-1/8	20	33.5	46.0	30.0	349
PCM050ZC^^*	ZS33KAE	5.0	P3	1/2	1-1/8	20	33.5	46.0	30.0	349
PCM055ZC^^*	ZS38K4E	5.5	P3	1/2	1-1/8	20	33.5	46.0	30.0	349
PCM060ZC^^*	ZS45K4E	6.0	P3	1/2	1-1/8	20	33.5	46.0	30.0	349

Unit Specifications – Low Temperature Models

Model	Compressor	HP	Frame	Refrigerant Line Connections (in, OD)		Receiver Cap. 90% Full (lbs)	Dimensions (in)			Net Weight (lbs)
				Liquid	Suction		Depth	Width	Height	
PCL006ZC^^*	ZF03KAE	0.6	P1	3/8	7/8	8	33.0	27.0	20.0	189
PCL008ZC^^*	ZF04KAE	0.8	P1	3/8	7/8	8	33.0	27.0	20.0	189
PCL010ZC^^*	ZF05KAE	1.0	P1	3/8	7/8	8	33.0	27.0	20.0	189
PCL022ZC^^*	ZF07KAE	2.2	P1	3/8	7/8	8	33.0	27.0	20.0	189
PCL025ZC^^*	ZF08K4E	2.5	P2	1/2	7/8	15	33.0	40.5	20.0	251
PCL030ZC^^*	ZF09K4E	3.0	P2	1/2	7/8	15	33.0	40.5	20.0	251
PCL035ZC^^*	ZF11K4E	3.5	P2	1/2	1-1/8	15	33.0	40.5	20.0	251
PCL045ZC^^*	ZF13K4E	4.5	P3	1/2	1-1/8	20	33.5	46.0	30.0	349
PCL055ZC^^*	ZF15K4E	5.5	P3	1/2	1-1/8	20	33.5	46.0	30.0	349
PCL060ZC^^*	ZF18K4E	6.0	P3	1/2	1-1/8	20	33.5	46.0	30.0	349

^^ --- Voltage code. Refer to nomenclature for electrical designation

* --- Refrigerant code. Refer to nomenclature for refrigerant designation

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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Electrical Data

Model	Compressor	Power	Compressor		Fan Data			CCH	Unit Only(1)		MAX Evap Fan Amps A	MAX Defrost HTRS Amps A	Remote Loads(2)	
			RLA A	LRA A	No Fans	FLA ea	HP	A	MCA A	MOPD A			MCA A	MOPD A
PCM005ZCT3*	ZB06KAE-TF5	208-230/3/60	4.3	37.8	1	0.48	1/15	0.17	15	15	4	15	15	15
PCM005ZCS1*	ZB06KAE-PFV	208-230/1/60	5.4	35.7	1	0.48	1/15	0.17	15	15	4	15	15	15
PCM008ZCT3*	ZB07KAE-TF5	208-230/3/60	4.7	37.8	1	0.48	1/15	0.17	15	15	4	15	15	15
PCM008ZCS1*	ZB07KAE-PFV	208-230/1/60	5.6	48.0	1	0.48	1/15	0.17	15	15	4	15	15	15
PCM009ZCT3*	ZB08KAE-TF5	208-230/3/60	4.7	37.8	1	0.48	1/15	0.17	15	15	4	15	15	15
PCM009ZCS1*	ZB08KAE-PFV	208-230/1/60	7.2	47.2	1	0.48	1/15	0.17	15	15	4	15	15	20
PCM010ZCT3*	ZS09KAE-TF5	208-230/3/60	7.2	55.4	1	0.48	1/15	0.17	15	15	4	15	15	20
PCM010ZCT4*	ZS09KAE-TFD	460/3/60	3.4	28	1	0.48	1/15	0.09	15	15	4	8	15	15
PCM010ZCS1*	ZS09KAE-PFV	208-230/1/60	9.0	40.3	1	0.48	1/15	0.17	15	20	4	15	20	25
PCM013ZCT3*	ZS11KAE-TF5	208-230/3/60	9.3	58.0	2	0.48	1/15	0.17	15	20	4	20	20	25
PCM013ZCT4*	ZS11KAE-TFD	460/3/60	3.8	28.0	2	0.48	1/15	0.09	15	15	4	10	15	15
PCM013ZCS1*	ZS11KAE-PFV	208-230/1/60	11.3	55.0	2	0.48	1/15	0.17	20	25	4	20	20	30
PCM015ZCT3*	ZS13KAE-TF5	208-230/3/60	8.7	58.0	2	0.48	1/15	0.17	15	20	4	20	20	25
PCM015ZCT4*	ZS13KAE-TFD	460/3/60	4.3	29.0	2	0.48	1/15	0.09	15	15	4	10	15	15
PCM015ZCS1*	ZS13KAE-PFV	208-230/1/60	10.8	56.0	2	0.48	1/15	0.17	20	25	4	20	20	30
PCM020ZCT3*	ZS15KAE-TF5	208-230/3/60	9.6	58.0	2	0.48	1/15	0.17	15	20	4	25	20	25
PCM020ZCT4*	ZS15KAE-TFD	460/3/60	4.8	29.0	2	0.48	1/15	0.09	15	15	4	13	15	15
PCM020ZCS1*	ZS15KAE-PFV	208-230/1/60	14.1	68.0	2	0.48	1/15	0.17	20	30	4	25	25	35
PCM025ZCT3*	ZS19KAE-TF5	208-230/3/60	12.3	73.0	2	0.48	1/15	0.17	20	25	6	25	25	35
PCM025ZCT4*	ZS19KAE-TFD	460/3/60	5.8	38.0	2	0.48	1/15	0.09	15	15	4	13	15	15
PCM025ZCS1*	ZS19KAE-PFV	208-230/1/60	16.2	75.0	2	0.48	1/15	0.17	25	35	6	25	30	40
PCM030ZCT3*	ZS21KAE-TF5	208-230/3/60	13.7	93.0	1	2.10	1/3	0.30	25	30	8	25	30	40
PCM030ZCT4*	ZS21KAE-TFD	460/3/60	6.2	48.0	1	2.10	1/3	0.15	15	15	8	13	20	20
PCM030ZCS1*	ZS21KAE-PFV	208-230/1/60	20.8	112.0	1	2.10	1/3	0.30	30	45	8	25	40	55
PCM035ZCT3*	ZS26KAE-TF5	208-230/3/60	13.9	93.0	1	2.10	1/3	0.30	25	30	8	30	30	40
PCM035ZCT4*	ZS26KAE-TFD	460/3/60	6.2	48.0	1	2.10	1/3	0.15	15	15	4	15	15	15
PCM035ZCS1*	ZS26KAE-PFV	208-230/1/60	21.2	104.0	1	2.10	1/3	0.30	30	50	8	30	40	55
PCM045ZCT3*	ZS29KAE-TF5	208-230/3/60	18.4	114.0	1	2.10	1/3	0.30	30	40	8	30	35	50
PCM045ZCT4*	ZS29KAE-TFD	460/3/60	8.4	58.0	1	2.10	1/3	0.15	15	20	4	15	20	20
PCM045ZCS1*	ZS29KAE-PFV	208-230/1/60	23.4	137.0	1	2.10	1/3	0.30	35	50	8	30	45	60
PCM050ZCT3*	ZS33KAE-TF5	208-230/3/60	20.0	114.0	1	2.10	1/3	0.30	30	45	8	30	40	55
PCM050ZCT4*	ZS33KAE-TFD	460/3/60	9.0	52.0	1	2.10	1/3	0.15	15	20	4	15	20	25
PCM050ZCS1*	ZS33KAE-PFV	208-230/1/60	23.0	146.0	1	2.10	1/3	0.30	35	50	8	30	40	60
PCM055ZCT3*	ZS38K4E-TF5	208-230/3/60	19.2	123.0	1	4.40	1/2	0.30	30	45	8	30	35	50

Notes: (1) --- Evaporator(s) powered by other source (2) --- Evaporator(s) powered by condensing unit, defrost with lockout
* --- Refrigerant code. Refer to nomenclature for refrigerant designation

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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Electrical Data

Model	Compressor	Power	Compressor		Fan Data			CCH	Unit Only(1)		MAX Evap Fan Amps A	MAX Defrost HTRS Amps A	Remote Loads(2)	
			RLA A	LRA A	No Fans	FLA ea	HP	A	MCA A	MOPD A			MCA A	MOPD A
PCM055ZCT4*	ZS38K4E-TFD	460/3/60	8.7	62.0	1	4.40	1/2	0.15	15	20	4	15	20	25
PCM055ZCS1*	ZS38K4E-PFV	208-230/1/60	28.5	169.0	1	4.40	1/2	0.30	45	60	8	30	50	75
PCM060ZCT3*	ZS45K4E-TF5	208-230/3/60	21.5	156.0	1	4.40	1/2	0.30	35	50	8	30	40	60
PCM060ZCT4*	ZS45K4E-TFD	460/3/60	8.3	75.0	1	4.40	1/2	0.15	15	20	4	15	20	20
PCL006ZCT3*	ZF03KAE-TF5	208-230/3/60	3.7	31.7	1	0.48	1/15	0.17	15	15	4	15	15	15
PCL006ZCT4*	ZF03KAE-TFD	460/3/60	2.2	19.6	1	0.48	1/15	0.09	15	15	4	8	15	15
PCL006ZCS1*	ZF03KAE-PFV	208-230/1/60	5.4	42.3	1	0.48	1/15	0.17	15	15	4	15	15	15
PCL008ZCT3*	ZF04KAE-TF5	208-230/3/60	6.0	55.4	1	0.48	1/15	0.17	15	15	4	15	15	15
PCL008ZCT4*	ZF04KAE-TFD	460/3/60	3.0	28.0	1	0.48	1/15	0.09	15	15	4	8	15	15
PCL008ZCS1*	ZF04KAE-PFV	208-230/1/60	6.6	40.3	1	0.48	1/15	0.17	15	15	4	15	15	20
PCL010ZCT3*	ZF05KAE-TF5	208-230/3/60	6.6	58.0	1	0.48	1/15	0.17	15	15	4	15	15	20
PCL010ZCT4*	ZF05KAE-TFD	460/3/60	2.9	28.0	1	0.48	1/15	0.09	15	15	4	8	15	15
PCL010ZCS1*	ZF05KAE-PFV	208-230/1/60	7.8	55.0	1	0.48	1/15	0.17	15	15	4	15	15	20
PCL022ZCT3*	ZF07KAE-TF5	208-230/3/60	7.8	58.0	1	0.48	1/15	0.17	15	15	4	15	15	20
PCL022ZCT4*	ZF07KAE-TFD	460/3/60	3.6	28.0	1	0.48	1/15	0.15	15	15	4	8	15	15
PCL022ZCS1*	ZF07KAE-PFV	208-230/1/60	12.4	75.0	1	0.48	1/15	0.17	20	25	6	15	25	35
PCL025ZCT3*	ZF08K4E-TF5	208-230/3/60	8.7	63.0	2	0.48	1/15	0.30	15	20	4	20	20	25
PCL025ZCT4*	ZF08K4E-TFD	460/3/60	4.5	31.0	2	0.48	1/15	0.15	15	15	4	10	15	15
PCL025ZCS1*	ZF08K4E-PFV	208-230/1/60	14.7	73.0	2	0.48	1/15	0.30	25	30	6	20	30	40
PCL030ZCT3*	ZF09K4E-TF5	208-230/3/60	8.7	77.0	2	0.48	1/15	0.30	15	20	4	20	20	25
PCL030ZCT4*	ZF09K4E-TFD	460/3/60	4.5	39.0	2	0.48	1/15	0.15	15	15	4	10	15	15
PCL030ZCS1*	ZF09K4E-PFV	208-230/1/60	12.8	88.0	2	0.48	1/15	0.30	20	30	6	20	25	35
PCL035ZCT3*	ZF11K4E-TF5	208-230/3/60	10.9	88.0	2	0.48	1/15	0.30	20	25	6	25	25	30
PCL035ZCT4*	ZF11K4E-TFD	460/3/60	5.8	44.0	2	0.48	1/15	0.15	15	15	4	13	15	15
PCL035ZCS1*	ZF11K4E-PFV	208-230/1/60	16.3	109.0	2	0.48	1/15	0.30	25	35	8	25	35	45
PCL045ZCT3*	ZF13K4E-TF5	208-230/3/60	11.9	99.0	1	2.10	1/3	0.30	20	25	6	25	25	35
PCL045ZCT4*	ZF13K4E-TFD	460/3/60	6.4	49.5	1	2.10	1/3	0.15	15	15	4	13	15	20
PCL045ZCS1*	ZF13K4E-PFV	208-230/1/60	22.4	129.0	1	2.10	1/3	0.30	35	50	8	25	40	60
PCL055ZCT3*	ZF15K4E-TF5	208-230/3/60	17.0	123.0	1	2.10	1/3	0.30	25	40	6	30	35	45
PCL055ZCT4*	ZF15K4E-TFD	460/3/60	8.0	62.0	1	2.10	1/3	0.15	15	15	4	15	20	20
PCL055ZCS1*	ZF15K4E-PFV	208-230/1/60	24.7	169.0	1	2.10	1/3	0.30	35	55	8	30	45	65
PCL060ZCT3*	ZF18K4E-TF5	208-230/3/60	19.6	156.0	1	2.10	1/3	0.30	30	45	8	30	40	55
PCL060ZCT4*	ZF18K4E-TFD	460/3/60	8.0	75.0	1	2.10	1/3	0.15	15	15	4	15	20	20

Notes: (1) --- Evaporator(s) powered by other source (2) --- Evaporator(s) powered by condensing unit, defrost with lockout
* --- Refrigerant code. Refer to nomenclature for refrigerant designation

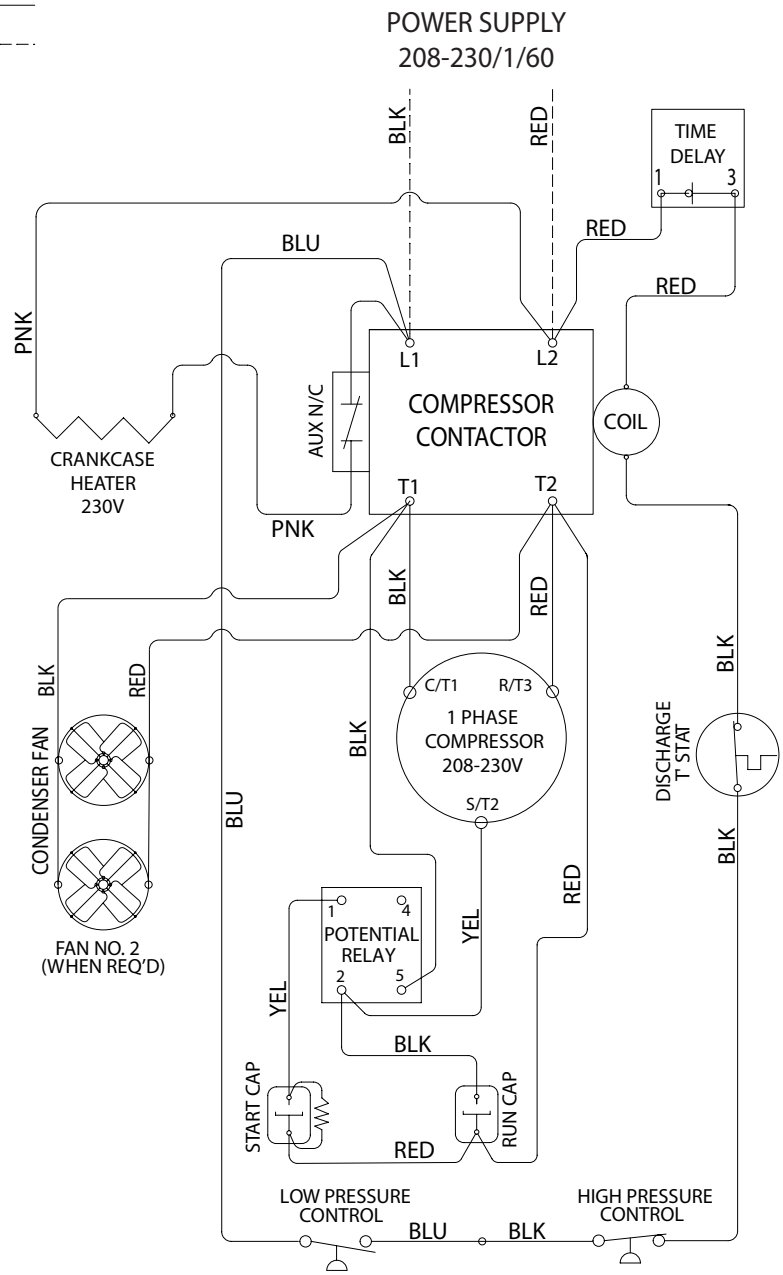
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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Electrical Diagram

WIRING DIAGRAM, STANDARD MODEL
208-230/1/60

FACTORY WIRING ————
FIELD WIRING - - - - - - - -



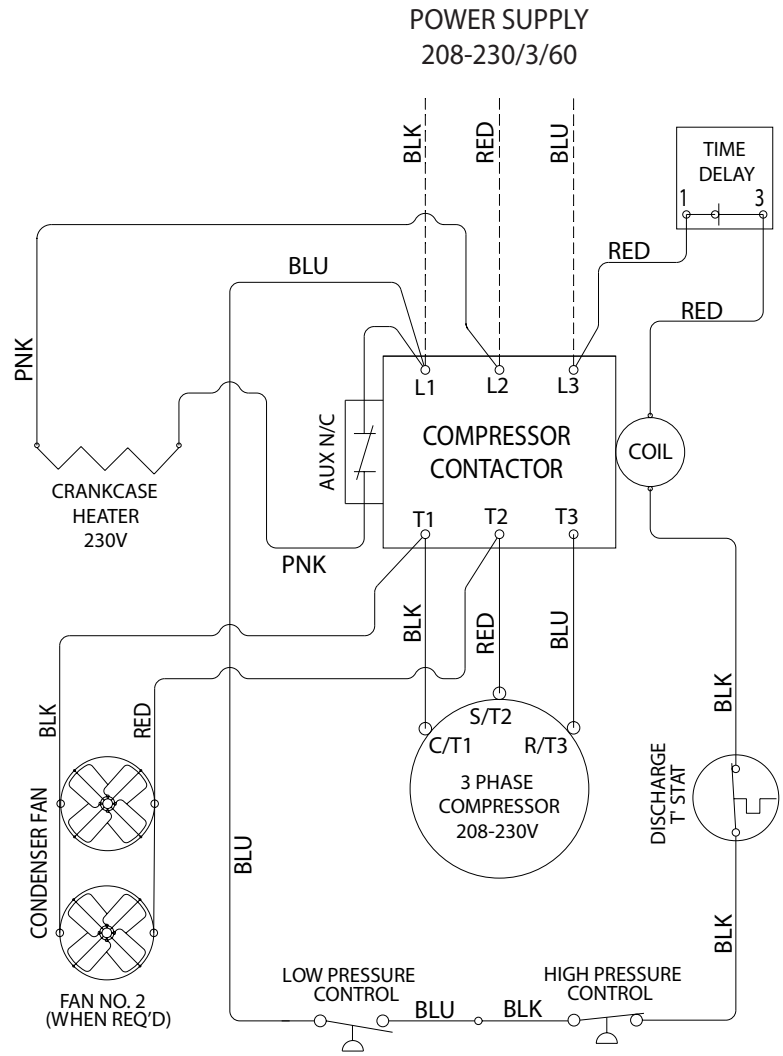
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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Electrical Diagram

WIRING DIAGRAM, STANDARD MODEL
208-230/3/60

FACTORY WIRING ————
FIELD WIRING – – – – – – – –



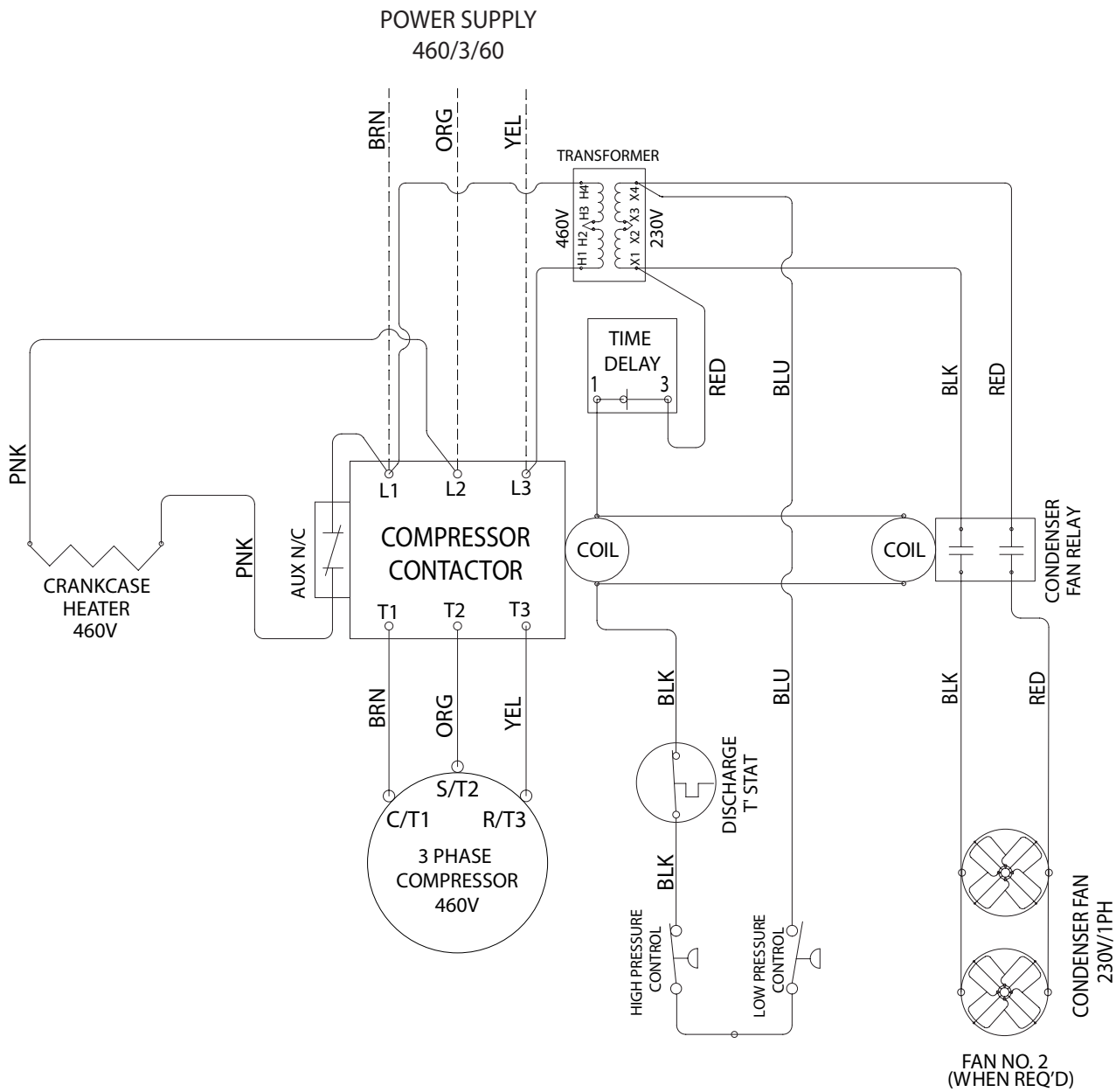
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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

Electrical Diagram

WIRING DIAGRAM, STANDARD MODEL
460/3/60

FACTORY WIRING ————
FIELD WIRING - - - - - - - -



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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

AWEF Data

Model	Medium Temperature	
	R448A/R449A	R404A
PCM005ZCT3*	7.60	7.60
PCM005ZCS1*	7.60	7.60
PCM008ZCT3*	7.60	7.60
PCM008ZCS1*	7.60	7.60
PCM009ZCT3*	7.60	7.60
PCM009ZCS1*	7.60	7.60
PCM010ZCT3*	7.60	7.60
PCM010ZCT4*	7.60	7.60
PCM010ZCS1*	7.60	7.60
PCM013ZCT3*	7.60	7.60
PCM013ZCT4*	7.60	7.60
PCM013ZCS1*	7.60	7.60
PCM015ZCT3*	7.60	7.60
PCM015ZCT4*	7.60	7.60
PCM015ZCS1*	7.60	7.60
PCM020ZCT3*	7.60	7.60
PCM020ZCT4*	7.60	7.60
PCM020ZCS1*	7.60	7.60
PCM025ZCT3*	7.60	7.60
PCM025ZCT4*	7.60	7.60
PCM025ZCS1*	7.60	7.60
PCM030ZCT3*	7.60	7.60
PCM030ZCT4*	7.60	7.60
PCM030ZCS1*	7.60	7.60
PCM035ZCT3*	7.60	7.60
PCM035ZCT4*	7.60	7.60
PCM035ZCS1*	7.60	7.60
PCM045ZCT3*	7.60	7.60
PCM045ZCT4*	7.60	7.60
PCM045ZCS1*	7.60	7.60
PCM050ZCT3*	7.60	7.60
PCM050ZCT4*	7.60	7.60
PCM050ZCS1*	7.60	7.60
PCM055ZCT3*	7.60	7.60
PCM055ZCT4*	7.60	7.60
PCM055ZCS1*	7.60	7.60
PCM060ZCT3*	7.60	x
PCM060ZCT4*	7.60	x

Model	Low Temperature	
	R448A/R449A	R404A
PCL006ZCT3*	2.90	x
PCL006ZCT4*	2.90	x
PCL006ZCS1*	2.90	x
PCL008ZCT3*	2.95	x
PCL008ZCT4*	2.95	x
PCL008ZCS1*	2.95	x
PCL010ZCT3*	3.00	2.99
PCL010ZCT4*	3.00	2.99
PCL010ZCS1*	3.00	2.99
PCL022ZCT3*	3.15	3.14
PCL022ZCT4*	3.15	3.14
PCL022ZCS1*	3.15	3.14
PCL025ZCT3*	3.15	3.15
PCL025ZCT4*	3.15	3.15
PCL025ZCS1*	3.15	3.15
PCL030ZCT3*	3.15	3.15
PCL030ZCT4*	3.15	3.15
PCL030ZCS1*	3.15	3.15
PCL035ZCT3*	3.15	3.15
PCL035ZCT4*	3.15	3.15
PCL035ZCS1*	3.15	3.15
PCL045ZCT3*	3.15	3.15
PCL045ZCT4*	3.15	3.15
PCL045ZCS1*	3.15	3.15
PCL055ZCT3*	3.15	3.15
PCL055ZCT4*	3.15	3.15
PCL055ZCS1*	3.15	3.15
PCL060ZCT3*	3.15	3.15
PCL060ZCT4*	3.15	3.15

* --- Refrigerant code. Refer to nomenclature for refrigerant designation

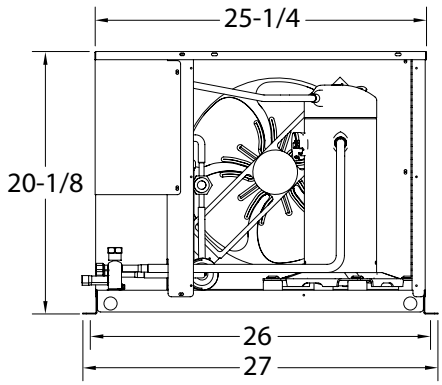
PCM Series with AWEF rating:
This refrigeration system is designed and certified for use in walk-in cooler applications.

PCL Series with AWEF rating:
This refrigeration system is designed and certified for use in walk-in freezer applications.

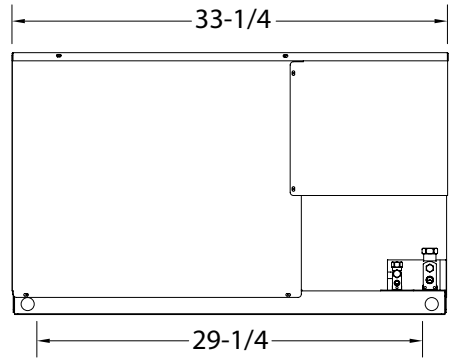
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POLARCRAFT, 1/2 - 6 HP CONDENSING UNITS

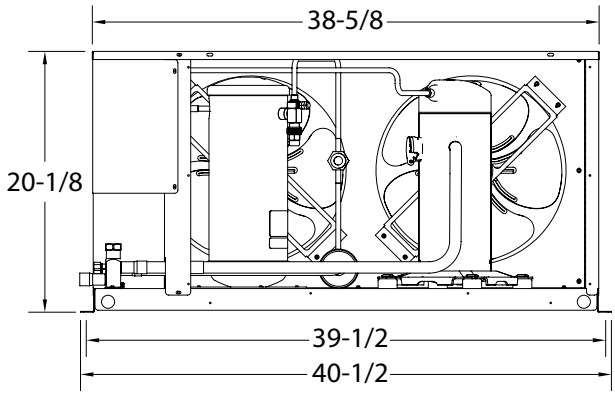
Dimensional Data



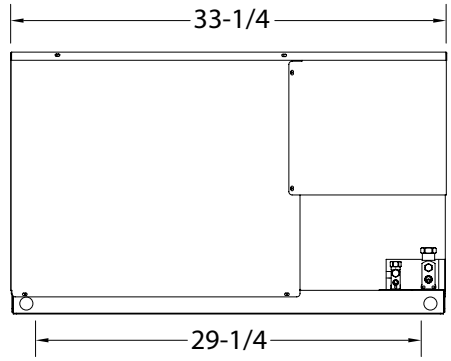
(Front View)



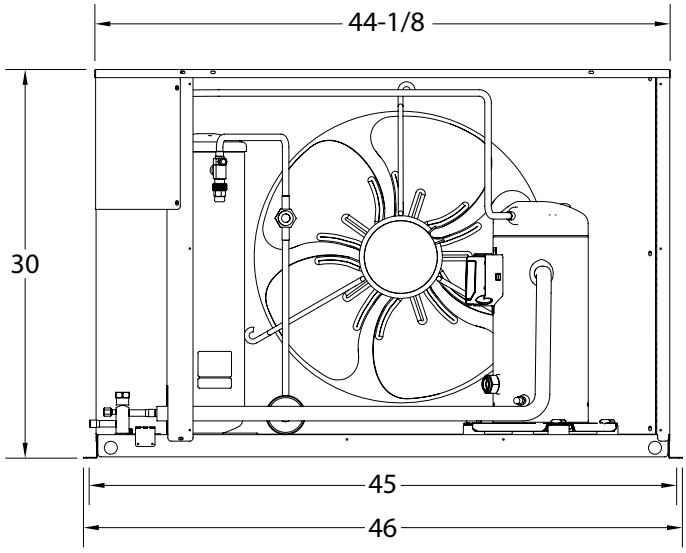
Frame: P1 (Side View)



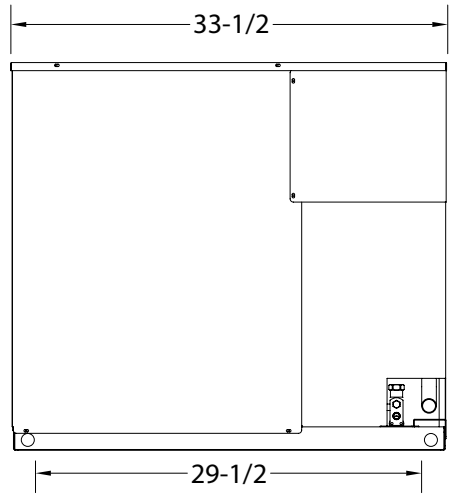
(Front View)



Frame: P2 (Side View)



(Front View)



Frame: P3 (Side View)

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