

PCC(42/48)C*E

Single Package Cooling Unit

SPECIFICATION SHEET

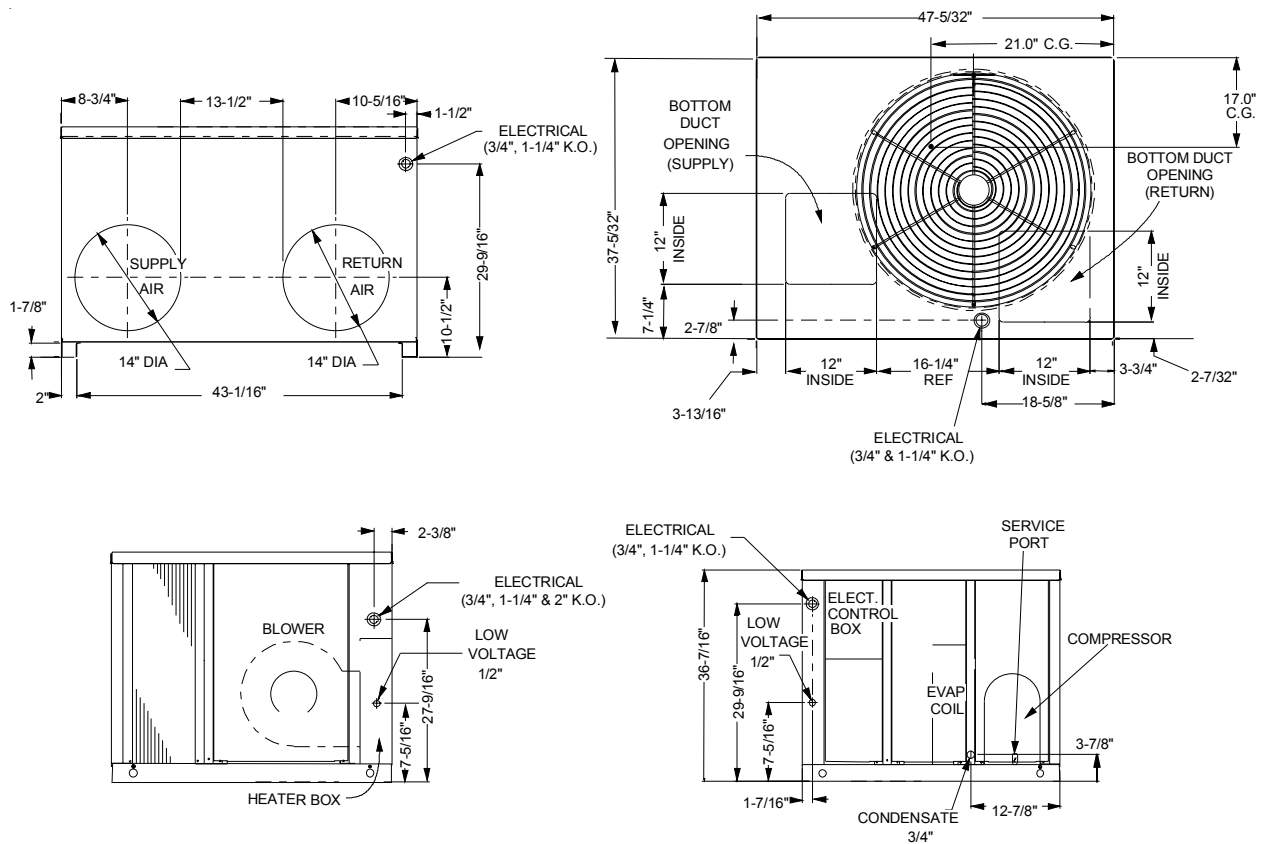
Affix this manual, Specification Sheet and Users Information Manual adjacent to the unit.

SPECIFICATIONS			
		PCC42C02E	PCC48C02E
COOLING CAPACITY	COOLING CAPACITY, BTUH	42,000	49,200
	SEER	12.05	12.05
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208/230-60-1	208/230-60-1
	UNIT AMPS (TOTAL)	24	25.2
	MIN CIRCUIT AMPACITY	28.5	30.0
	MAX OVERCURRENT PROTECTION	45	45
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	18	19.2
	LOCKED ROTOR AMPS	103	137
CONDENSER FAN MOTOR	HORSEPOWER	1/5	1/5
	RPM	825	825
	FULL LOAD AMPS	1.3	1.3
	LOCKED ROTOR AMPS	2.0	2.0
CONDENSER FAN	BLADE DIAMETER / NUMBER	22" / 4	22" / 4
	CFM	2200	2200
CONDENSER COIL	FACE AREA (SQ. FT.)	12	12
	NUMBER OF ROWS	2	2
	FINS PER INCH	20	20
EVAPORATOR BLOWER MOTOR	HORSEPOWER - NO. OF SPEEDS	3/4 - 3	3/4 - 3
	FULL LOAD AMPS	4.7	4.7
	LOCKED ROTOR AMPS	12.2	12.2
	MOTOR SPEED TAP - COOLING	LOW	MEDIUM
	RPM	975	1050
EVAPORATOR BLOWER	DIAMETER X WIDTH (IN.)	10 X 8	10 X 8
	RATED SCFM COOLING	1400	1500
	MAX EXTERNAL STATIC PRESS	.5" wc	.5" wc
EVAPORATOR COIL	FACE AREA(SQ. FT.)	4.4	4.4
	NUMBER OF ROWS	4	4
	FINS PER INCH	14	14
GENERAL INFORMATION	FILTER SIZE (SQ. FT.)	4.5	5.0
	DRAIN SIZE	3/4 IN	3/4 IN
	EXPANSION DEVICE	ORIFICE	ORIFICE
	REFRIGERANT CHARGE (R-22)	SEE NAMEPLATE	SEE NAMEPLATE
	POWER SUPPLY ENTRANCE SIZE	3/4 1-1/4"	3/4 1-1/4"
	LOW VOLTAGE ENTRANCE SIZE	3/4"	3/4"
	SHIPPING WEIGHT (LBS.)	374	377
	OPERATING WEIGHT (LBS.)	361	364
ACCESSORIES	COMPRESSOR SOUND BLANKET	INCLUDED	INCLUDED
	ROUND TO SQUARE KIT	INCLUDED	INCLUDED
	FREEZE PROTECTION KIT	FSK01A	FSK01A
	PC/PH ROOFCURB	PRC06A1	PRC06A1
	COMBINATION ROOFCURB	PRC08A1	PRC08A1
	OVER/UNDER TRANSITION	PDTR0U6A	PDTR0U6A
	HORIZONTAL DUCT KIT	CHK001A	CHK001A
	SINGLE POINT KIT	SPK07A	SPK07A
	AMBIENT THERMOSTAT KIT	ATK01	ATK01



ENERGY STAR

Dimensions

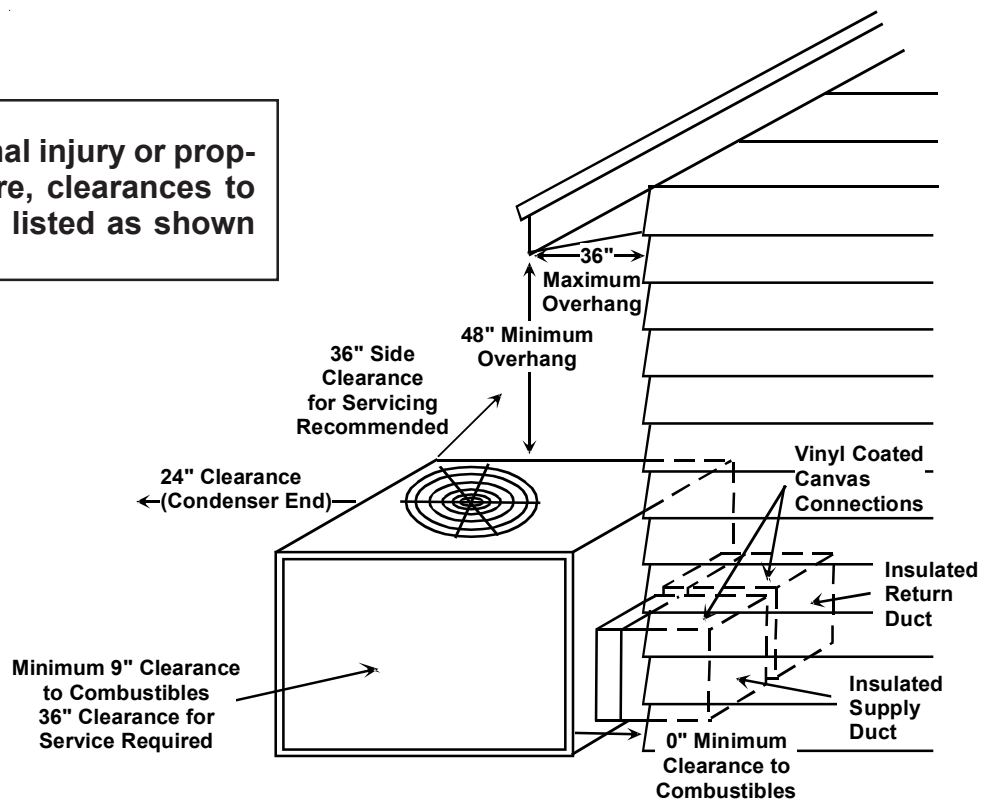


Clearances

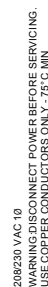
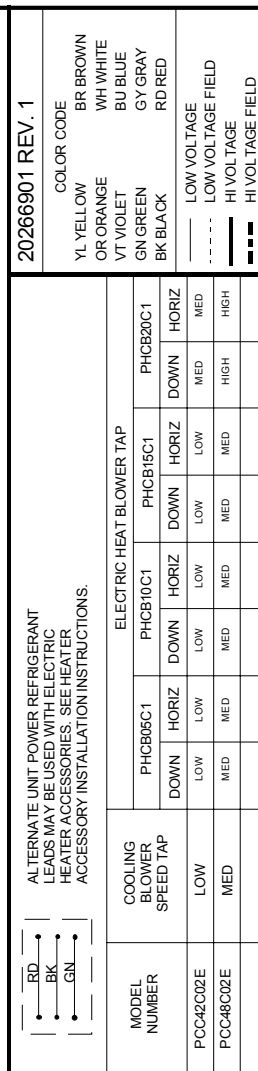


WARNING

To avoid death, personal injury or property damage due to fire, clearances to combustible surfaces listed as shown must be observed.



To prevent death, personal injury or property damage due to electrical shock, disconnect electrical power to this unit before servicing or performing maintenance.



Dry Coil Data

PCC42,48C02E						
UNIT STATIC (in W.C.)	FAN SPEED					
	LOW		MED		HIGH	
	CFM	WATTS	CFM	WATTS	CFM	WATTS
0.2	1540	620	1780	735	2265	1010
0.3	1520	600	1755	705	2160	965
0.4	1495	575	1700	670	2095	925
0.5	1460	555	1640	640	1980	880
0.6	1400	520	1570	600	1885	840
0.7	1335	490	1500	570	1770	795
0.8	1260	450	1400	520	1650	750

Electric Strip Heat Data

Electric strip heat data will be included in the specific electric heat kit installation material shipped with the electric heater kit. The table below shows the electric heat kits available for use with the PCC package coolers.

Heater Capacity @ 240 VAC						
Heater Kit	kW	BTUH	Minimum Circuit Ampacity		Maximum Overcurrent Protection	
			L1 - L2	L3 - L4	L1 - L2	L3 - L4
PHCB05C1	5.0	16,400	21	--	25	--
PHCB07C1	7.5	29,600	32	--	40	--
PHCB10C1	10.0	32,800	42	--	50	--
PHCB15C1	15.0	49,100	42	21	50	25
PHCB20C1	20.0	65,500	42	42	50	50

Single Point Kit

Single Point Kit (SPK07A) & PCC42/48 - Combined Unit Wiring			
Heater Kit	Minimum Circuit Ampacity MCA	Maximum Overcurrent Protection MOP	Circuit Breaker Size
PHCB15	84.6	90	45 Amp
PHCB20	110.9	110.9	45 Amp

Typical Cooling Performance Data



CAUTION

The installation must be adjusted to obtain a temperature rise within the range listed on the unit nameplate.

		PCC42C02E																																			
		Outdoor Ambient Temperature (°F)																																			
		65						75						85						95						105						115					
		Entering Indoor Wet Bulb Temperature (°F)																																			
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
70	Delta T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	17	15	11	-	16	14	11	-								
	1500 AMPS	15.0	15.3	15.7	-	16.0	16.3	16.8	-	17.2	17.5	18.0	-	18.2	18.6	19.1	-	19.2	19.6	20.2	-	19.2	19.6	20.2	-	20.2	20.7	21.3	-								
	HI PR	162	175	185	-	182	196	207	-	207	223	236	-	236	254	268	-	266	286	302	-	266	286	302	-	294	316	334	-								
	LO PR	63	67	73	-	66	70	77	-	69	73	80	-	72	77	84	-	76	80	88	-	76	80	88	-	78	83	91	-								
1400	Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-								
	AMPS	14.9	15.2	15.6	-	15.9	16.3	16.7	-	17.1	17.5	18.0	-	18.1	18.5	19.1	-	19.2	19.6	20.2	-	19.2	19.6	20.2	-	20.2	20.6	21.2	-								
	HI PR	162	174	184	-	182	196	207	-	207	222	235	-	235	253	268	-	265	285	301	-	265	285	301	-	293	315	333	-								
	LO PR	62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	88	-	75	80	88	-	78	83	91	-								
1300	Delta T	18	16	12	-	18	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-								
	AMPS	14.7	15.0	15.4	-	15.7	16.1	16.5	-	16.9	17.2	17.7	-	17.9	18.3	18.8	-	18.9	19.3	19.9	-	18.9	19.3	19.9	-	19.9	20.3	20.9	-								
	HI PR	159	171	181	-	179	192	203	-	203	219	231	-	231	249	263	-	260	280	296	-	260	280	296	-	288	310	327	-								
	LO PR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-	74	79	86	-	77	81	89	-								
75	Delta T	20	18	15	10	20	18	15	10	20	19	15	10	20	19	15	11	20	18	15	10	20	18	15	10	19	17	14	10								
	AMPS	15.1	15.4	15.8	16.3	16.1	16.4	16.9	17.5	17.3	17.7	18.2	18.8	18.3	18.7	19.3	19.9	19.4	19.8	20.4	21.1	20.4	19.8	20.4	21.1	20.4	20.8	21.5	22.2								
	HI PR	164	177	187	195	184	198	209	218	209	225	238	248	239	257	271	283	268	289	305	318	297	319	337	351	297	319	337	351								
	LO PR	63	67	73	78	67	71	77	83	69	74	81	86	73	77	85	90	76	81	89	94	79	84	92	98	79	84	92	98								
	Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10								
	AMPS	15.0	15.3	15.8	16.3	16.1	16.4	16.9	17.4	17.3	17.6	18.1	18.7	18.3	18.7	19.2	19.9	19.3	19.7	20.3	21.0	20.3	20.8	21.4	21.0	20.3	20.8	21.4	22.1								
	HI PR	164	176	186	194	184	198	209	218	209	225	237	248	238	256	270	282	268	288	304	317	296	318	336	350	296	318	336	350								
	LO PR	63	67	73	78	67	71	77	82	69	74	80	86	73	77	84	90	76	81	88	94	79	84	91	97	79	84	91	97								
1300	Delta T	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	21	20	16	11	20	18	15	10								
	AMPS	14.8	15.1	15.6	16.1	15.9	16.2	16.6	17.2	17.0	17.4	17.9	18.5	18.0	18.4	19.0	19.6	19.1	19.5	20.0	20.7	20.1	20.5	21.1	20.1	20.5	21.1	21.8									
	HI PR	161	173	183	191	180	194	205	214	205	221	233	243	234	252	266	277	263	283	299	312	291	313	330	344	291	313	330	344								
	LO PR	62	66	72	77	65	70	76	81	68	72	79	84	71	76	83	88	75	80	87	93	77	82	90	96	77	82	90	96								
80	Delta T	22	21	18	15	22	21	19	15	22	21	19	15	23	22	19	15	22	21	19	15	22	21	19	15	21	20	17	14								
	AMPS	15.2	15.5	15.9	16.4	16.2	16.6	17.0	17.6	17.4	17.8	18.3	18.9	18.5	18.9	19.4	20.1	19.5	20.0	20.5	21.2	20.6	21.0	21.6	22.4	20.6	21.0	21.6	22.4								
	HI PR	166	178	188	196	186	200	211	220	212	228	240	251	241	259	274	286	271	292	308	321	300	322	340	355	300	322	340	355								
	LO PR	64	68	74	79	67	72	78	83	70	75	81	87	74	78	85	91	77	82	90	95	80	85	93	99	80	85	93	99								
	Delta T	23	22	19	15	23	22	19	16	23	22	19	16	23	23	20	16	23	22	19	15	22	21	18	14	22	21	18	14								
	AMPS	15.2	15.5	15.9	16.4	16.2	16.5	17.0	17.6	17.4	17.8	18.3	18.9	18.4	18.8	19.4	20.0	19.5	19.9	20.5	21.2	20.5	21.0	21.6	22.3	20.5	21.0	21.6	22.3								
	HI PR	165	178	188	196	185	200	211	220	211	227	240	250	240	259	273	285	270	291	307	320	299	321	339	354	299	321	339	354								
	LO PR	64	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	80	85	92	98	80	85	92	98								
1300	Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15								
	AMPS	15.0	15.3	15.7	16.2	16.0	16.3	16.8	17.3	17.2	17.5	18.0	18.6	18.2	18.6	19.1	19.8	19.2	19.6	20.2	20.9	20.2	20.7	21.3	22.0	20.2	20.7	21.3	22.0								
	HI PR	162	175	185	193	182	196	207	216	207	223	236	246	236	254	268	280	266	286	302	315	294	316	334	348	294	316	334	348								
	LO PR	63	67	73	77	66	70	77	82	69	73	80	85	72	77	84	89	76	80	88	93	78	83	91	97	78	83	91	97								

*Entering Dry Bulb Temperature.

NOTE: Darker shaded area with white lettering is ARI rating conditions, (95° ambient, 80° IDB + 67° IWB).

Lighter shaded area with black lettering is ACCA rating conditions, (95° ambient, 75° IDB + 63° IWB).

All Pressures are PSIG. All temperatures are in °F.

Low and high pressure are measured at gauge port.

Amps are total unit amps at a rated voltage of 230 VAC.

CAUTION

*Entering Dry Bulb Temperature.

NOTE: Darker shaded area with white lettering is ARI rating conditions, (95° ambient, 80° IDB + 67° IWB).

Lighter shaded area with black lettering is ACCA rating conditions, (95° ambient, 75° IDB + 63° IWB).

All Pressures are PSIG. All temperatures are in °F.

Low and high pressure are measured at gauge port.

Amps are total unit amps at a rated voltage of 230 VAC.

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NOTES:

1. All units are manufactured for use on 208/230 VAC, 60 Hz, single phase electrical supply.
2. **IMPORTANT:** While the data is presented as a guide, it is required to determine the proper size fuses and wires to electrically connect the unit in accordance with the National Electrical Code and/or all existing local codes.
3. Performance figures are based on Department of Energy information and requirements under continuous operating conditions. Performance will vary with weather conditions and use.

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