



PCC60C02E

Single Package Cooling Unit

Specification Sheet

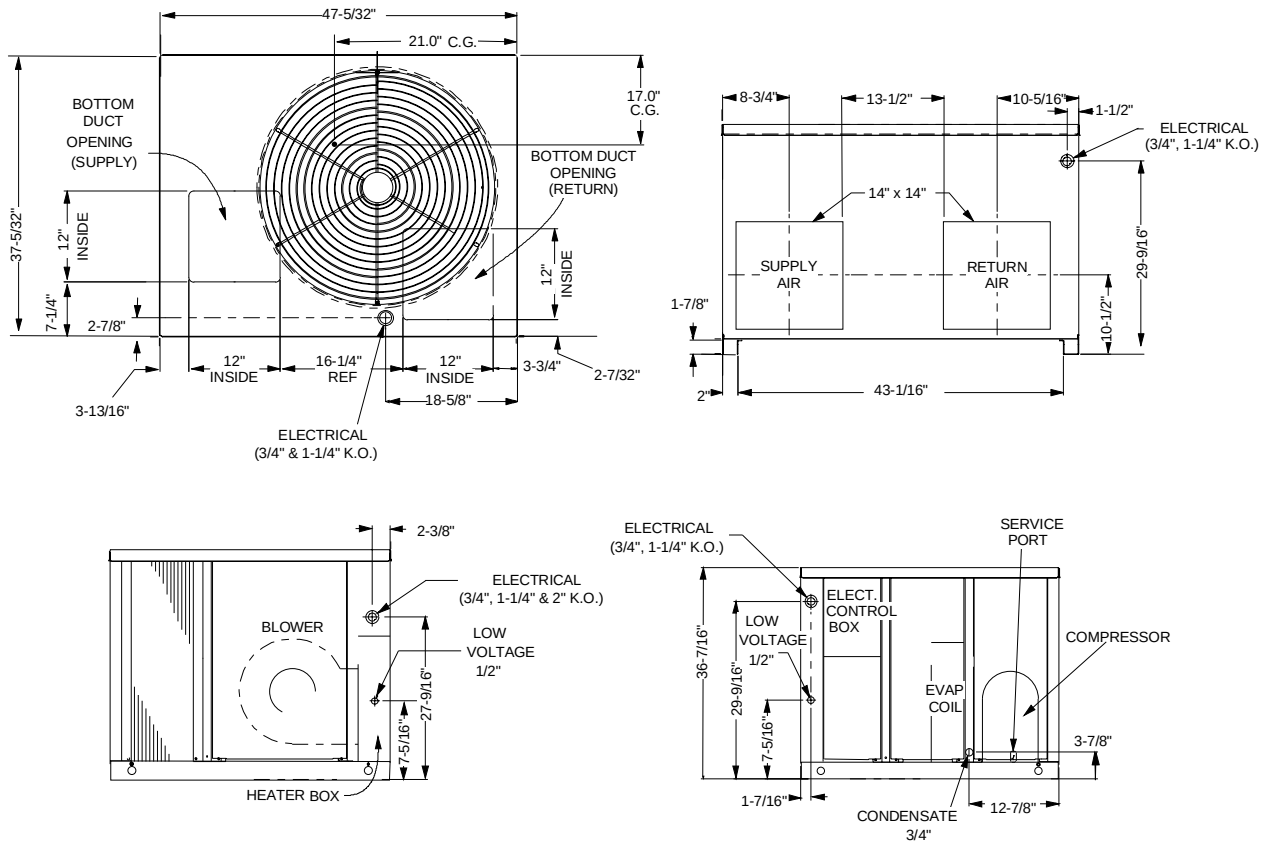
Affix this manual, Installation Instructions, and Users Information Manual adjacent to the unit.

SPECIFICATIONS		
		PCC60C02E
COOLING CAPACITY	COOLING CAPACITY, BTUH SEER	58,500 11.50
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE) UNIT AMPS (TOTAL) MIN CIRCUIT AMPACITY MAX OVERCURRENT PROTECTION	208/230-60-1 38 45.3 60
COMPRESSOR	TYPE RATED LOAD AMPS LOCKED ROTOR AMPS	SCROLL 28.9 148
CONDENSER FAN MOTOR	HORSEPOWER RPM FULL LOAD AMPS LOCKED ROTOR AMPS	1/3 1100 2.4 5.8
CONDENSER FAN	BLADE DIAMETER / NUMBER CFM	22" / 4 3000
CONDENSER COIL	FACE AREA (SQ. FT.) NUMBER OF ROWS FINS PER INCH	12.2 2 20
EVAPORATOR BLOWER MOTOR	HORSEPOWER - NO. OF SPEEDS FULL LOAD AMPS LOCKED ROTOR AMPS MOTOR SPEED TAP - COOLING RPM	ECM 6.8 ECM VARIABLE VARIABLE
EVAPORATOR BLOWER	DIAMETER X WIDTH (IN.) RATED SCFM COOLING MAX EXTERNAL STATIC PRESS	10 X 8 1750 .5" wc
EVAPORATOR COIL	FACE AREA(SQ. FT.) NUMBER OF ROWS FINS PER INCH	4.4 4 14
GENERAL INFORMATION	FILTER SIZE (SQ. FT.) DRAIN SIZE EXPANSION DEVICE REFRIGERANT CHARGE (R-22) - oz. POWER SUPPLY ENTRANCE SIZE LOW VOLTAGE ENTRANCE SIZE SHIPPING WEIGHT (LBS.) OPERATING WEIGHT (LBS.)	6.5 3/4 IN ORIFICE SEE NAMEPLATE 1-1/4" 3/4" 382 369
ACCESSORIES	COMPRESSOR SOUND BLANKET FREEZE PROTECTION KIT ROOFCURB - HEAT PUMP ROOFCURB - COMBINATION SXS TO OVER/UNDER KIT HORIZONTAL DUCT COVER KIT SINGLE POINT WIRING KIT AMBIENT THERMOSTAT KIT	INCLUDED FSK01A PRC06A1 PRC08A1 PDTR06A CHK001A SPK09A ATK01

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.

Dimensions

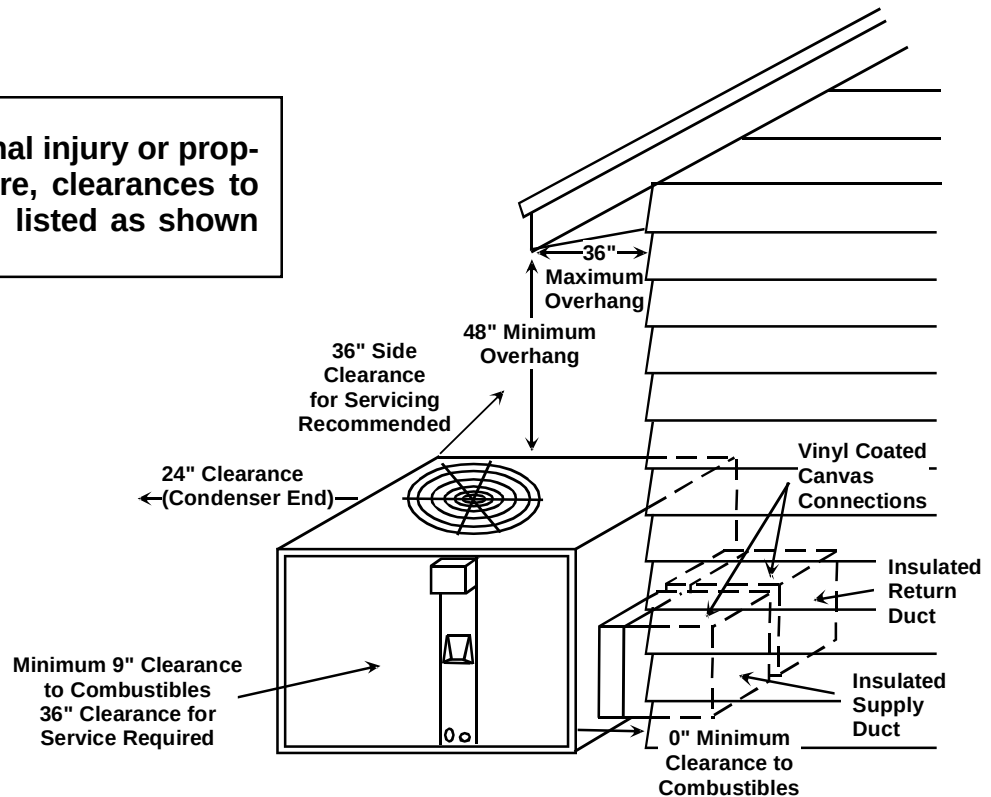


Clearances



WARNING

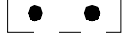
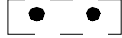
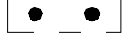
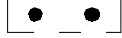
To avoid death, personal injury or property damage due to fire, clearances to combustible surfaces listed as shown must be observed.



Wet Coil Data

PCC60C02E					
COOLING SPEED	ADJUST TAB	CFM @ 0.1 - 0.5 ESP	Heating Speed	Adjust Tab	CFM @ 0.1 - 0.5 ESP
A	Minus	1530	A	Minus	475
A	Normal	1700	A	Normal	525
A	Plus	1870	A	Plus	580
B	Minus	1545	B	Minus	630
B	Normal	1717	B	Normal	700
B	Plus	1890	B	Plus	770
C	Minus	1560	C	Minus	945
C	Normal	1734	C	Normal	1050
C	Plus	1910	C	Plus	1155
D	Minus	1575	D	Minus	1260
D	Normal	1750	D	Normal	1400
D	Plus	1925	D	Plus	1540

PCC60C02E FACTORY SETTING

	ADJUST	CFM	(COOL)	CFM	(ELECTRIC HEAT)
NORM	 A	1700	 A	525 (7.5 kW)	 A
(+)	 B	1717	 B	700 (10 kW)	 B
(-)	 C	1734	 C	1050 (15 kW)	 C
TEST	 D	1750	 D	1400 (20 kW)	 D

IMPORTANT NOTE: Disconnect power to unit before moving jumper to prevent damage to TAP board. Jumper must be placed parallel with the letter marked on board. Cross jumper may cause damage to TAP board.

Single Point Kit

Single Point Kit (SPK09A) & PCC60 - Combined Unit Wiring			
Heater Kit	Minimum Circuit Ampacity MCA	Maximum Overcurrent Protection MOP	Circuit Breaker Size
PHCB15	87.3	90	60 Amp
PHCB20	113.5	125	60 Amp

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.

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

Typical Cooling Performance Data



CAUTION

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

PCC60C02E																											
			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	
70	1925	Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	
		AMPS	20.4	20.8	21.4	-	21.9	22.3	23.0	-	23.6	24.1	24.8	-	25.0	25.6	26.3	-	26.5	27.1	27.9	-	27.9	28.5	29.4	-	
		HI PR	177	191	201	-	199	214	226	-	226	243	257	-	258	277	293	-	290	312	329	-	320	345	364	-	
		LO PR	57	60	66	-	60	64	70	-	62	66	72	-	65	70	76	-	68	73	80	-	71	75	82	-	
	1750	Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	
		AMPS	20.3	20.7	21.3	-	21.7	22.2	22.9	-	23.4	23.9	24.7	-	24.9	25.4	26.2	-	26.3	26.9	27.7	-	27.7	28.4	29.2	-	
		HI PR	176	189	200	-	197	213	224	-	225	242	255	-	256	275	291	-	288	310	327	-	318	342	361	-	
		LO PR	56	60	65	-	59	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-	
	1600	Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	
		AMPS	20.0	20.4	21.0	-	21.4	21.9	22.6	-	23.1	23.6	24.3	-	24.5	25.1	25.8	-	25.9	26.5	27.3	-	27.3	28.0	28.8	-	
		HI PR	173	186	197	-	194	209	221	-	221	238	251	-	251	271	286	-	283	304	321	-	313	336	355	-	
		LO PR	55	59	64	-	58	62	68	-	61	65	71	-	64	68	74	-	67	71	78	-	69	74	80	-	
75	1925	Delta T	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	20.6	21.0	21.6	22.3	22.1	22.5	23.2	24.0	23.8	24.3	25.0	25.9	25.2	25.8	26.6	27.5	26.7	27.3	28.1	29.1	28.2	28.8	29.7	30.7	
		HI PR	179	193	203	212	201	216	228	238	228	246	260	271	260	280	296	308	293	315	333	347	323	348	368	383	
		LO PR	57	61	66	71	60	64	70	75	63	67	73	78	66	70	77	82	69	74	80	86	72	76	83	89	
	1750	Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10	
		AMPS	20.5	20.9	21.5	22.2	21.9	22.4	23.1	23.8	23.6	24.1	24.9	25.7	25.1	25.6	26.4	27.3	26.5	27.1	28.0	28.9	28.0	28.6	29.5	30.5	
		HI PR	178	191	202	211	199	215	227	236	227	244	258	269	258	278	294	306	291	313	330	345	321	346	365	381	
		LO PR	57	60	66	70	60	64	70	74	62	66	72	77	66	70	76	81	69	73	80	85	71	76	83	88	
	1600	Delta T	22	20	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11	
		AMPS	20.2	20.6	21.2	21.9	21.6	22.1	22.7	23.5	23.3	23.8	24.5	25.3	24.7	25.3	26.0	26.9	26.2	26.7	27.6	28.5	27.6	28.2	29.1	30.1	
		HI PR	175	188	199	207	196	211	223	232	223	240	253	264	254	273	289	301	286	308	325	339	316	340	359	374	
		LO PR	56	59	65	69	59	63	69	73	61	65	71	76	64	69	75	80	68	72	78	84	70	74	81	86	
80	1925	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	
		AMPS	20.7	21.2	21.8	22.5	22.2	22.7	23.4	24.2	24.0	24.5	25.2	26.1	25.4	26.0	26.8	27.7	26.9	27.5	28.4	29.4	28.4	29.0	29.9	31.0	
		HI PR	181	195	205	214	203	218	231	240	231	248	262	274	263	283	299	312	296	318	336	350	327	352	371	387	
		LO PR	58	61	67	72	61	65	71	76	63	68	74	79	67	71	77	82	70	74	81	86	72	77	84	89	
	1750	Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	19	15	
		AMPS	20.6	21.1	21.7	22.4	22.1	22.6	23.3	24.0	23.8	24.3	25.1	25.9	25.3	25.9	26.6	27.6	26.8	27.4	28.2	29.2	28.2	28.9	29.8	30.8	
		HI PR	180	193	204	213	201	217	229	239	229	247	260	272	261	281	297	309	294	316	334	348	324	349	369	385	
		LO PR	57	61	67	71	61	65	70	75	63	67	73	78	66	70	77	82	69	74	81	86	72	76	83	89	
	1600	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	16	
		AMPS	20.3	20.8	21.4	22.1	21.8	22.3	22.9	23.7	23.5	24.0	24.7	25.6	24.9	25.5	26.3	27.2	26.4	27.0	27.8	28.8	27.8	28.4	29.3	30.4	
		HI PR	177	190	201	209	198	213	225	235	225	242	256	267	257	276	292	304	289	311	328	342	319	343	362	378	
		LO PR	56	60	66	70	60	63	69	74	62	66	72	77	65	69	76	81	68	73	79	84	71	75	82	87	

*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.