

PCC**C*E

Single Package Cooling Unit Specification Sheet

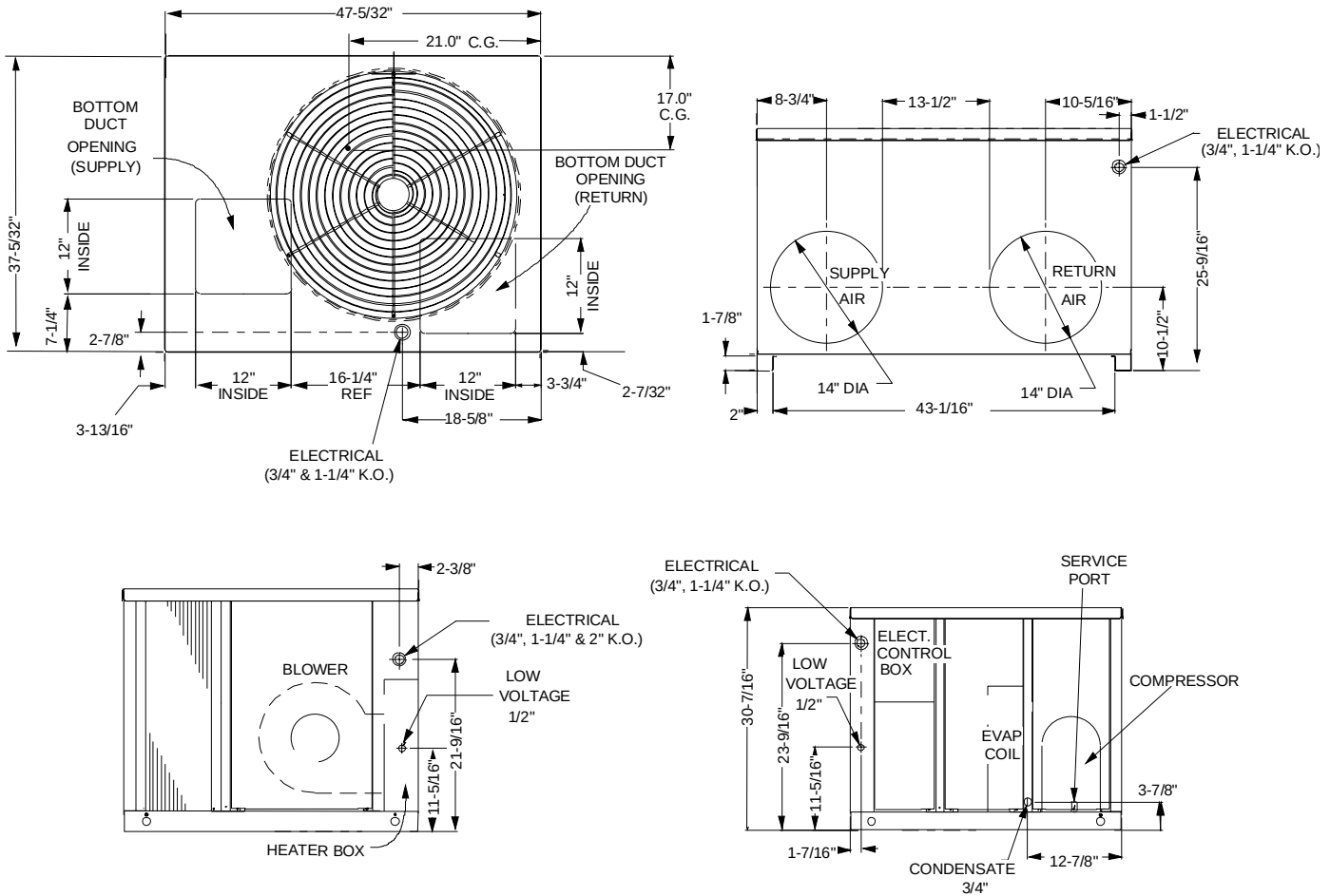
Affix this manual, Specification Sheet and Users Information Manual adjacent to the unit.

SPECIFICATIONS				
		PCC24C**E	PCC30C**E	PCC36C**E
COOLING CAPACITY	COOLING CAPACITY, BTUH	23,000	28,800	34,400
	SEER	12.05	12.05	12.05
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208/230-60-1	208/230-60-1	208/230-60-1
	UNIT AMPS (TOTAL)	15.4	19.7	19.7
	MIN CIRCUIT AMPACITY	18.2	23.6	23.6
	MAX OVERCURRENT PROTECTION	25	30	30
COMPRESSOR	TYPE	SCROLL	SCROLL	SCROLL
	RATED LOAD AMPS	11.4	15.7	15.7
	LOCKED ROTOR AMPS	54	73	93
CONDENSER FAN MOTOR	HORSEPOWER	1/5	1/5	1/5
	RPM	825	825	825
	FULL LOAD AMPS	1.3	1.3	1.3
	LOCKED ROTOR AMPS	2.0	2.0	2.0
CONDENSER FAN	BLADE DIAMETER / NUMBER	22" / 4	22" / 4	22" / 4
	CFM	2200	2200	2200
CONDENSER COIL	FACE AREA SQ FT	10.2	10.2	10.2
	NUMBER OF ROWS	1	1	2
	FINS PER INCH	20	20	20
EVAPORATOR BLOWER MOTOR	HORSEPOWER - NO. OF SPEEDS	1/3 - 4	1/3 - 4	1/3 - 4
	FULL LOAD AMPS	2.6	2.6	2.6
	LOCKED ROTOR AMPS	4.2	4.2	4.2
	MOTOR SPEED TAP - COOLING	LOW	MED - LOW	MED - HIGH
	RPM	790	840	960
EVAPORATOR BLOWER	DIAMETER X WIDTH	10 X 8	10 X 8	10 X 8
	RATED SCFM COOLING	825	930	1100
	MAX EXTERNAL STATIC PRESS	.5" wc	.5" wc	.5" wc
EVAPORATOR COIL	FACE AREA	3.2	3.2	3.2
	NUMBER OF ROWS	3	4	4
	FINS PER INCH	14	14	14
GENERAL INFORMATION	FILTER SIZE - SQ. FT.	3	3.4	4
	DRAIN SIZE	3/4 IN	3/4 IN	3/4 IN
	EXPANSION DEVICE	ORIFICE	ORIFICE	ORIFICE
	REFRIGERANT CHARGE R-22	-----	SEE NAMEPLATE	-----
	POWER SUPPLY ENTRANCE SIZE	3/4 1-1/4	3/4 1-1/4	3/4 1-1/4
	LOW VOLTAGE ENTRANCE SIZE	3/4"	3/4"	3/4"
	SHIPPING WEIGHT LBS.	306	318	327
	OPERATING WEIGHT LBS.	295	307	316
ACCESSORIES	COMPRESSOR SOUND BLANKET	-----	INCLUDED	-----
	ROUND TO SQUARE KIT	-----	INCLUDED	-----
	HORIZONTAL DUCT KIT	CHK001A	CHK001A	CHK001A
	AMBIENT THERMOSTAT KIT	ATK01A	ATK01A	ATK01A

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

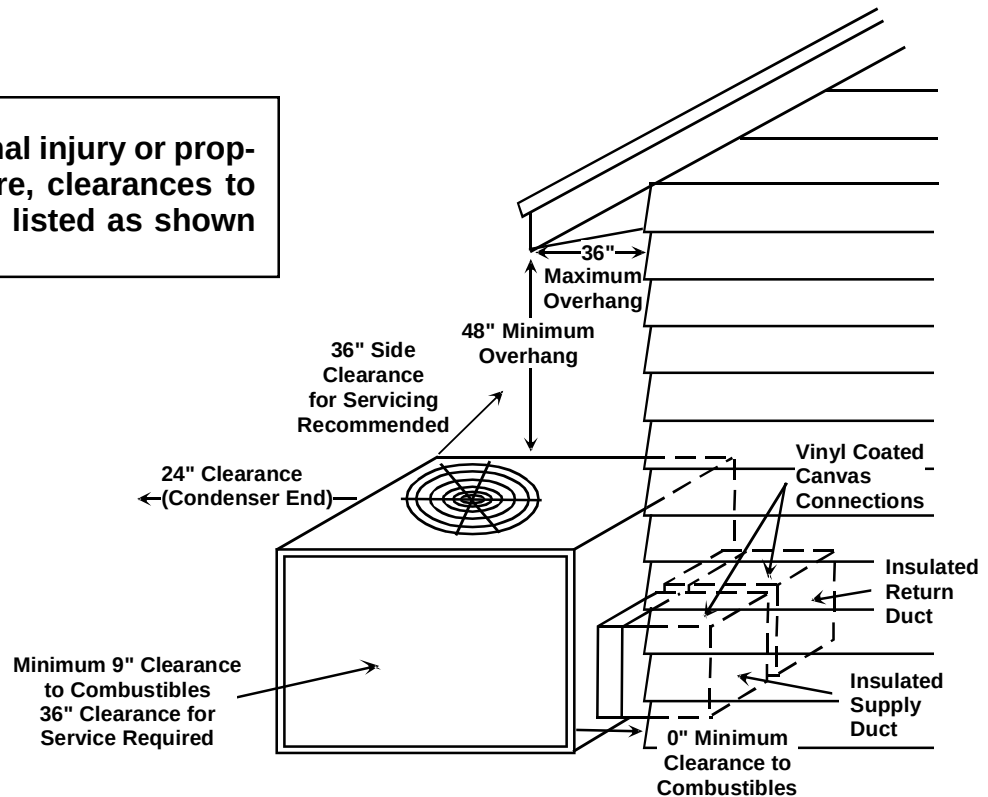


Clearances

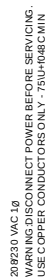


WARNING

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



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



		ALTERNATE UNIT POWER REFRIGERANT LEADS MAY BE USED WITH ELECTRIC HEATER ACCESSORIES. SEE HEATER ACCESSORY INSTALLATION INSTRUCTIONS.										20255001 REV. 1	
MODEL NUMBER		COOLING BLOWER SPEED TAP		ELECTRIC HEAT BLOWER TAP								COLOR CODE	
				PHCB05C1		PHCB10C1		PHCB15C1		PHCB20C1			
PCC24C02E		LOW	MED LOW	LOW	MED LOW	LOW	MED LOW	HIGH MED	DOWN	HIGH MED	DOWN	HIGH MED	YL YELLOW OR ORANGE VT VIOLET GN GREEN BK BLACK
PCC30C02E		MED-LOW	MED MED	LOW	MED LOW	LOW	MED LOW	HIGH MED	DOWN	HIGH MED	DOWN	HIGH MED	— — — — — — — — — — — — — — —
PCC36C02E		MED-HIGH	MED MED	LOW	MED LOW	LOW	MED LOW	HIGH MED	DOWN	HIGH MED	DOWN	HIGH MED	— — — — — — — — — — — — — — —

Dry Coil Data

PCC24, 30, 36C**E								
UNIT STATIC (in W.C.)	FAN SPEED							
	Low		Med-Low		Med-High		High	
	CFM	WATTS	CFM	WATTS	CFM	WATTS	CFM	WATTS
0.1	840	230	1010	295	1230	385	1660	550
0.2	820	225	990	287	1205	372	1600	530
0.3	800	220	970	280	1180	360	1540	510
0.4	770	210	940	270	1150	345	1480	485
0.5	735	200	905	260	1110	330	1420	460
0.6	700	185	850	250	1060	305	1350	135
0.7	660	170	790	235	1005	290	1280	410
0.8	605	155	700	220	905	275	1205	390

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

Typical Cooling Performance Data



CAUTION

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

PCC24C02E		Outdoor Ambient Temperature (°F)											
		65				75				85			
		Entering Indoor Wet Bulb Temperature (°F)				95				105			
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71
70	Delta T	17	14	11	-	17	15	11	-	17	15	11	-
	AMPS	7.7	7.8	8.0	-	8.2	8.3	8.6	-	9.3	9.5	9.7	-
	HIPR	148	159	168	-	166	179	189	-	215	232	244	-
	LOPR	62	66	72	-	65	69	76	-	71	76	83	-
	Delta T	17	15	11	-	17	15	11	-	18	15	12	-
	AMPS	7.6	7.7	8.0	-	8.1	8.3	8.5	-	9.2	9.4	9.6	-
75	HIPR	147	158	167	-	164	177	187	-	213	229	242	-
	LOPR	61	65	71	-	65	69	75	-	70	75	82	-
	Delta T	18	15	12	-	18	15	12	-	18	15	12	-
	AMPS	7.4	7.6	7.8	-	7.9	8.1	8.3	-	9.0	9.2	9.4	-
	HIPR	142	153	162	-	160	172	181	-	207	222	235	-
	LOPR	59	63	69	-	63	67	73	-	68	73	79	-
80	Delta T	19	18	15	10	19	18	15	10	20	18	15	10
	AMPS	7.7	7.9	8.1	8.3	8.2	8.4	8.6	8.9	9.3	9.5	9.8	10.1
	HIPR	150	161	170	177	168	181	191	199	217	234	247	258
	LOPR	62	66	72	77	66	70	76	81	72	76	83	89
	Delta T	20	18	15	10	20	19	15	11	20	19	15	10
	AMPS	7.7	7.8	8.0	8.3	8.2	8.3	8.6	8.8	9.3	9.5	9.7	10.0
85	HIPR	148	159	168	175	166	179	189	197	215	232	245	255
	LOPR	62	66	72	76	65	69	76	81	71	76	83	88
	Delta T	20	19	15	11	20	19	15	11	21	19	16	11
	AMPS	7.5	7.6	7.8	8.1	8.0	8.1	8.4	8.6	9.0	9.2	9.5	9.8
	HIPR	144	155	163	170	161	173	183	191	209	225	237	247
	LOPR	60	64	70	74	63	67	73	78	69	73	80	85
90	Delta T	21	21	18	14	22	21	18	14	22	21	18	14
	AMPS	7.8	7.9	8.1	8.4	8.3	8.5	8.7	9.0	9.4	9.6	9.9	10.2
	HIPR	151	163	172	179	169	182	193	201	220	236	249	260
	LOPR	63	67	73	78	67	71	77	82	73	77	84	90
	Delta T	22	21	19	15	23	22	19	15	23	22	19	15
	AMPS	7.7	7.9	8.1	8.3	8.2	8.4	8.6	8.9	9.3	9.5	9.8	10.1
95	HIPR	150	161	170	177	168	181	191	199	217	234	247	258
	LOPR	62	66	72	77	66	70	76	81	72	76	83	89
	Delta T	23	22	19	15	23	22	19	15	23	22	19	15
	AMPS	7.5	7.7	7.9	8.1	8.0	8.2	8.4	8.7	9.1	9.3	9.6	9.9
	HIPR	145	156	165	172	163	175	185	193	211	227	240	250
	LOPR	60	64	70	75	64	68	74	79	70	74	81	86

*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.

Typical Cooling Performance Data



CAUTION

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

		PCC30C02E																											
		Outdoor Ambient Temperature (°F)																											
		65					75					85					95					105					115		
IDB*	Airflow	Entering Indoor										Wet Bulb Temperature (°F)																	
		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	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	AMPS	10.2	10.5	10.8	-	11.0	11.2	11.5	-	11.8	12.1	12.4	-	12.5	12.8	13.2	-	13.3	13.6	14.0	-	14.0	14.3	14.0	-	14.0	14.3	14.7	-
	HI PR	157	168	178	-	176	189	200	-	200	215	227	-	228	245	259	-	256	275	291	-	283	304	321	-	283	304	321	-
	LO PR	63	67	74	-	67	71	78	-	70	74	81	-	73	78	85	-	77	81	89	-	79	84	92	-	79	84	92	-
70	Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-	18	15	12	-
	AMPS	10.2	10.4	10.7	-	10.9	11.1	11.5	-	11.7	12.0	12.4	-	12.5	12.7	13.1	-	13.2	13.5	13.9	-	13.9	14.2	14.7	-	13.9	14.2	14.7	-
	HI PR	155	167	177	-	174	188	198	-	198	213	225	-	226	243	257	-	254	274	289	-	281	302	319	-	281	302	319	-
	LO PR	63	67	73	-	66	71	77	-	69	73	80	-	73	77	84	-	76	81	88	-	79	84	91	-	79	84	91	-
70	Delta T	19	16	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-	18	15	12	-
	AMPS	10.0	10.2	10.5	-	10.7	11.0	11.3	-	11.6	11.8	12.2	-	12.3	12.5	12.9	-	13.0	13.3	13.7	-	13.7	14.0	14.4	-	13.7	14.0	14.4	-
	HI PR	152	164	173	-	171	184	194	-	194	209	221	-	221	238	252	-	249	268	283	-	275	296	313	-	275	296	313	-
	LO PR	62	66	72	-	65	69	76	-	68	72	79	-	71	76	83	-	75	79	87	-	77	82	90	-	77	82	90	-
75	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	10.3	10.5	10.8	11.2	11.1	11.3	11.6	12.0	11.9	12.2	12.5	13.0	12.6	12.9	13.3	13.8	13.4	13.7	14.1	14.6	14.1	14.4	14.9	15.4	14.1	14.4	14.9	15.4
	HI PR	158	170	180	187	177	191	202	210	202	217	229	239	230	247	261	272	259	278	294	306	286	307	325	339	286	307	325	339
	LO PR	64	68	74	79	68	72	79	84	70	75	82	87	74	79	86	91	77	82	90	96	80	85	93	99	80	85	93	99
	Delta T	22	20	16	11	22	20	16	11	22	20	17	11	22	20	17	11	22	20	16	11	20	19	15	11	20	19	15	11
	AMPS	10.3	10.5	10.8	11.1	11.0	11.2	11.6	11.9	11.8	12.1	12.5	12.9	12.6	12.8	13.2	13.7	13.3	13.6	14.0	14.5	14.0	14.3	14.8	15.3	14.0	14.3	14.8	15.3
	HI PR	157	169	178	186	176	190	200	209	200	216	228	238	228	246	259	271	257	276	292	304	284	305	322	336	284	305	322	336
	LO PR	64	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	85	92	98	79	85	92	98
75	Delta T	22	20	17	11	22	21	17	12	22	21	17	12	22	21	17	12	22	20	17	12	21	19	16	11	21	19	16	11
	AMPS	10.1	10.3	10.6	11.0	10.8	11.1	11.4	11.8	11.6	11.9	12.3	12.7	12.4	12.6	13.0	13.5	13.1	13.4	13.8	14.3	13.8	14.1	14.5	15.0	13.8	14.1	14.5	15.0
	HI PR	154	166	175	182	173	186	196	205	196	211	223	233	224	241	254	265	252	271	286	298	278	299	316	330	278	299	316	330
	LO PR	62	66	72	77	66	70	76	81	68	73	79	85	72	76	83	89	75	80	87	93	78	83	90	96	78	83	90	96
80	Delta T	23	22	19	15	23	22	19	16	23	22	19	16	23	22	19	16	23	22	19	15	23	22	19	15	21	21	18	14
	AMPS	10.4	10.6	10.9	11.3	11.2	11.4	11.7	12.1	12.0	12.3	12.6	13.1	12.8	13.0	13.4	13.9	13.5	13.8	14.2	14.7	14.2	14.5	15.0	15.5	14.2	14.5	15.0	15.5
	HI PR	160	172	182	189	179	193	204	212	204	219	232	242	232	250	264	275	261	281	297	310	289	311	328	342	289	311	328	342
	LO PR	65	69	75	80	68	73	79	84	71	76	82	88	75	79	87	92	78	83	91	97	81	86	94	100	81	86	94	100
	Delta T	24	23	20	16	24	23	20	16	24	23	20	16	25	24	20	16	24	23	20	16	23	22	19	15	23	22	19	15
	AMPS	10.4	10.6	10.9	11.2	11.1	11.3	11.7	12.0	11.9	12.2	12.6	13.0	12.7	13.0	13.4	13.8	13.4	13.7	14.1	14.6	14.1	14.5	14.9	15.4	14.1	14.5	14.9	15.4
	HI PR	159	171	180	188	178	192	202	211	202	218	230	240	231	248	262	273	259	279	295	307	287	308	326	340	287	308	326	340
	LO PR	64	68	75	79	68	72	79	84	70	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99	80	85	93	99
80	Delta T	25	24	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15	23	22	19	15
	AMPS	10.2	10.4	10.7	11.1	10.9	11.1	11.5	11.9	11.7	12.0	12.4	12.8	12.5	12.7	13.1	13.6	13.2	13.5	13.9	14.4	13.9	14.2	14.7	15.2	13.9	14.2	14.7	15.2
	HI PR	155	167	177	184	174	188	198	207	198	213	225	235	226	243	257	268	254	274	289	301	281	302	319	333	281	302	319	333
	LO PR	63	67	73	78	66	71	77	82	69	73	80	85	73	77	84	90	76	81	88	94	79	84	91	97	79	84	91	97

Typical Cooling Performance Data



CAUTION

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

		PCC36C02E																								
		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		Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
	1200	AMPS	12.0	12.3	12.7	-	12.9	13.2	13.6	-	14.0	14.3	14.7	-	14.9	15.2	15.7	-	15.7	16.1	16.6	-	16.6	17.0	17.6	-
		HI PR	154	165	174	-	172	185	196	-	196	211	223	-	223	240	254	-	251	270	285	-	277	299	315	-
		LO PR	61	65	71	-	65	69	75	-	67	71	78	-	71	75	82	-	74	79	86	-	77	81	89	-
			Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11
	1100	AMPS	12.0	12.3	12.6	-	12.9	13.2	13.6	-	13.9	14.2	14.7	-	14.8	15.2	15.6	-	15.7	16.1	16.6	-	16.6	17.0	17.5	-
		HI PR	153	165	174	-	172	185	195	-	195	210	222	-	222	239	253	-	250	269	284	-	277	298	314	-
		LO PR	61	65	71	-	64	69	75	-	67	71	78	-	70	75	82	-	74	78	86	-	76	81	89	-
			Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12
	1000	AMPS	11.8	12.1	12.5	-	12.7	13.0	13.4	-	13.7	14.0	14.5	-	14.6	14.9	15.4	-	15.5	15.8	16.3	-	16.3	16.7	17.2	-
		HI PR	150	162	171	-	169	182	192	-	192	207	218	-	219	235	249	-	246	265	280	-	272	293	309	-
		LO PR	60	64	70	-	63	67	74	-	66	70	76	-	69	74	80	-	72	77	84	-	75	80	87	-
75		Delta T	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	10	19	17	14	10
	1200	AMPS	12.1	12.4	12.8	13.2	13.0	13.3	13.7	14.2	14.1	14.4	14.8	15.4	15.0	15.3	15.8	16.4	15.9	16.2	16.8	17.4	16.8	17.2	17.7	18.3
		HI PR	155	167	176	184	174	187	198	206	198	213	225	235	225	243	256	267	254	273	288	301	280	302	318	332
		LO PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	79	87	92	77	82	90	96
			Delta T	21	20	16	11	21	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15
	1100	AMPS	12.1	12.4	12.7	13.2	13.0	13.3	13.7	14.2	14.0	14.4	14.8	15.3	14.9	15.3	15.8	16.3	15.8	16.2	16.7	17.3	16.7	17.1	17.7	18.3
		HI PR	155	166	176	183	174	187	197	206	197	212	224	234	225	242	255	266	253	272	287	300	279	301	317	331
		LO PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	79	87	92	77	82	90	95
			Delta T	22	20	17	12	22	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	21	19	16
	1000	AMPS	11.9	12.2	12.6	13.0	12.8	13.1	13.5	14.0	13.8	14.2	14.6	15.1	14.7	15.1	15.5	16.1	15.6	16.0	16.5	17.1	16.5	16.9	17.4	18.0
		HI PR	152	164	173	180	171	184	194	202	194	209	220	230	221	238	251	262	249	267	282	295	275	296	312	326
		LO PR	61	64	70	75	64	68	74	79	67	71	77	82	70	74	81	86	73	78	85	91	76	81	88	94
80		Delta T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	20	18	14
	1200	AMPS	12.2	12.5	12.9	13.3	13.1	13.4	13.9	14.3	14.2	14.5	15.0	15.5	15.1	15.5	15.9	16.5	16.0	16.4	16.9	17.5	16.9	17.3	17.9	18.5
		HI PR	157	169	178	186	176	189	200	208	200	215	227	237	228	245	259	270	256	276	291	304	283	305	322	335
		LO PR	62	66	73	77	66	70	77	82	69	73	80	85	72	77	84	89	75	80	88	93	78	83	91	97
			Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19
	1100	AMPS	12.2	12.5	12.9	13.3	13.1	13.4	13.8	14.3	14.2	14.5	14.9	15.5	15.1	15.4	15.9	16.5	16.0	16.3	16.9	17.5	16.9	17.3	17.8	18.5
		HI PR	156	168	178	185	175	189	199	208	199	215	227	236	227	244	258	269	255	275	290	303	282	304	321	334
		LO PR	62	66	72	77	66	70	76	81	68	73	79	85	72	76	83	89	75	80	87	93	78	83	90	96
			Delta T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19
	1000	AMPS	12.0	12.3	12.7	13.1	12.9	13.2	13.6	14.1	14.0	14.3	14.7	15.2	14.9	15.2	15.7	16.2	15.7	16.1	16.6	17.2	16.6	17.0	17.6	18.2
		HI PR	154	165	174	182	172	185	196	204	196	211	223	232	223	240	254	265	251	270	285	298	277	299	315	329
		LO PR	61	65	71	76	65	69	75	80	67	71	78	83	71	75	82	87	74	79	86	92	77	81	89	95

*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.