



PGB(24-42)C**2E

Single Package Gas Electric Heating & Cooling Unit

Specification Sheet

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



Specifications					
		PGB24C0452E	PGB24C0702E	PGB24C0902E	PGB30C0702E
COOLING CAPACITY	COOLING CAPACITY,BTUH	23,600	23,600	23,600	28,800
	SEER	11.05	11.05	11.05	11.05
HEATING CAPACITY*	HEATING INPUT BTUH US	46,000	69,000	92,000	69,000
	CANADIAN (0-2000 FT)	46,000	69,000	92,000	69,000
	CANADIAN (0-4500 FT)	46,000	69,000	92,000	69,000
	HEATING OUTPUT BTUH US	36,800	55,200	73,600	55,200
	CANADIAN (0-2000 FT)	36,800	55,200	73,600	55,200
	CANADIAN (0-4500 FT.)	36,800	55,200	73,600	55,200
	AFUE - %	80.0	80.0	80.0	80.0
	TEMPERATURE RISE - DEG F	25-55	30-60	45-75	30-60
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
	MIN CIRCUIT AMPACITY	16.0	16.0	16.0	16.0
	MAX OVERCURRENT PROTECTION	25	25	25	25
HEATING SECTION	NUMBER OF BURNERS	2	3	4	3
	ORIFICE SIZE NATURAL	43	43	43	43
	ORIFICE SIZE LP	55	55	55	55
COMPRESSOR	RATED LOAD AMPS	9.8	9.8	9.8	11.8
	LOCKED ROTOR AMPS	56.0	56.0	56.0	61.0
CONDENSER FAN MOTOR	HORSEPOWER	1/5	1/5	1/5	1/5
	RPM	825	825	825	825
	FULL LOAD AMPS	1.3	1.3	1.3	1.3
	LOCKED ROTOR AMPS	2.0	2.0	2.0	2.0
CONDENSER FAN	BLADE DIAMETER / NUMBER	22 IN / 4	22 IN / 4	22 IN / 4	22 IN / 4
	CFM	2400	2400	2400	2400
CONDENSER COIL	FACE AREA - SQ. FT.	8.2	8.2	8.2	8.2
	NUMBER OF ROWS / FINS PER INCH	1 / 20	1 / 20	1 / 20	1 / 20
EVAPORATOR BLOWER MOTOR	HORSEPOWER	0.5	0.5	0.5	0.5
	L.R. AMPS	5.5	5.5	5.5	5.5
	R.L. AMPS	2.4	2.4	2.4	2.4
	RPM	850	850	850	850
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	10 X 10	10 X 10	10 X 10	10 X 10
	RATED SCFM COOLING	850	850	850	850
	MAX EXTERNAL STATIC PRESS	.5"wc	.5"wc	.5"wc	.5"wc
EVAPORATOR COIL	FACE AREA - SQ. FT.	4.2	4.2	4.2	4.2
	NUMBER OF ROWS / FINS PER INCH	2/14.0	2/14.0	2/14.0	2/14.0
GENERAL INFORMATION	DRAIN SIZE	3/4	3/4	3/4	3/4
	EXT. FILTER SIZE SQ. FT.	3.0	3.0	3.0	3.5
	EXPANSION DEVICE	ORIFICE	ORIFICE	ORIFICE	ORIFICE
	REFRIGERANT CHARGE R-22	64 OZ	64 OZ	64 OZ	64 OZ
	POWER SUPPLY ENTRANCE SIZE	3/4 1-1/4	3/4 1-1/4	3/4 1-1/4	3/4 1-1/4
	LOW VOLTAGE ENTRANCE SIZE	1/2"	1/2"	1/2"	1/2"
	SHIPPING WEIGHT LBS.	417	419	421	420
	OPERATING WEIGHT LBS.	403	405	407	406
ACCESSORIES	PROPANE GAS CONVERSION KIT	LPTK09	LPTK09	LPTK09	LPTK09
	COMPRESSOR SOUND BLANKET	CSB04A	CSB04A	CSB04A	CSB04A
	HORIZONTAL DUCT COVER KIT(2 COVERS)	CHK001A	CHK001A	CHK001A	CHK001A
	ROOFCURB - GAS ELECTRIC	PRC07A1	PRC07A1	PRC07A1	PRC07A1
	ROOFCURB - COMBINATION	PRC08A1	PRC08A1	PRC08A1	PRC08A1
	OVER / UNDER DUCT CONVERSION KIT	PDTR0U4A	PDTR0U4A	PDTR0U4A	PDTR0U4A

* Units installed in Canada are certified only to 4500 feet.

Specifications (Cont'd)					
		PGB30C0902E	PGB36C0702E	PGB36C0902E	PGB42C0902E
COOLING CAPACITY	COOLING CAPACITY,BTUH	28,800	34,600	34,600	40,500
	SEER	11.05	11.05	11.05	11.05
HEATING CAPACITY*	HEATING INPUT BTUH US	92,000	69,000	92,000	92,000
	CANADIAN (0-2000 FT)	92,000	69,000	92,000	92,000
	CANADIAN (0-4500 FT)	92,000	69,000	92,000	92,000
	HEATING OUTPUT BTUH US	73,600	55,200	73,600	73,600
	CANADIAN (0-2000 FT)	73,600	55,200	73,600	73,600
	CANADIAN (0-4500 FT.)	73,600	55,200	73,600	73,600
	AFUE - %	80.0	80.0	80.0	80.0
	TEMPERATURE RISE - DEG F	45-75	30-60	45-75	45-75
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
	MIN CIRCUIT AMPACITY	18.5	21.7	21.7	26.2
	MAX OVERCURRENT PROTECTION	30	35	35	40
HEATING SECTION	NUMBER OF BURNERS	4	3	4	4
	ORIFICE SIZE NATURAL	43	43	43	43
	ORIFICE SIZE LP	55	55	55	55
COMPRESSOR	RATED LOAD AMPS	11.8	14.4	14.4	17.9
	LOCKED ROTOR AMPS	61.0	82.0	82.0	96.0
CONDENSER FAN MOTOR	HORSEPOWER	1/5	1/5	1/5	1/5
	RPM	825	825	825	825
	FULL LOAD AMPS	1.3	1.3	1.3	1.3
	LOCKED ROTOR AMPS	2.0	2.0	2.0	2.0
CONDENSER FAN	BLADE DIAMETER / NUMBER	22 IN / 4	22 IN / 4	22 IN / 4	22 IN / 4
	CFM	2400	2600	2600	2600
CONDENSER COIL	FACE AREA - SQ. FT.	8.2	8.2	8.2	10.2
	NUMBER OF ROWS / FINS PER INCH	1 / 20	1 / 20	1 / 20	1 / 20
EVAPORATOR BLOWER MOTOR	HORSEPOWER	0.5	0.5	0.5	0.33
	L.R. AMPS	5.5	5.5	5.5	4.8
	R.L. AMPS	2.4	2.4	2.4	2.5
	RPM	900	975	975	1050
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	10 X 10	10 X 10	10 X 10	10 X 10
	RATED SCFM COOLING	1050	1160	1160	1350
	MAX EXTERNAL STATIC PRESS	.5"wc	.5"wc	.5"wc	.5"wc
EVAPORATOR COIL	FACE AREA - SQ. FT.	4.2	4.2	4.2	4.2
	NUMBER OF ROWS / FINS PER INCH	2/14.0	3/14.0	3/14.0	4/14.0
GENERAL INFORMATION	DRAIN SIZE	3/4 IN	3/4 IN	3/4 IN	3/4 IN
	EXT. FILTER SIZE SQ. FT.	3.5	4	4	4.5
	EXPANSION DEVICE	ORIFICE	ORIFICE	ORIFICE	ORIFICE
	REFRIGERANT CHARGE R-22	64 OZ	64 OZ	64 OZ	83 OZ
	POWER SUPPLY ENTRANCE SIZE	3/4 1-1/4	3/4 1-1/4	3/4 1-1/4	3/4 1-1/4
	LOW VOLTAGE ENTRANCE SIZE	1/2"	1/2"	1/2"	1/2"
	SHIPPING WEIGHT LBS.	422	426	428	431
	OPERATING WEIGHT LBS.	408	412	414	417
ACCESSORIES	PROPANE GAS CONVERSION KIT	LPTK09	LPTK09	LPTK09	LPTK09
	COMPRESSOR SOUND BLANKET	CSB04A	CSB04A	CSB04A	CSB04A
	HORIZONTAL DUCT COVER KIT(2 COVERS)	CHK001A	CHK001A	CHK001A	CHK001A
	ROOFCURB - GAS ELECTRIC	PRC07A1	PRC07A1	PRC07A1	PRC07A1
	ROOFCURB - COMBINATION	PRC08A1	PRC08A1	PRC08A1	PRC08A1
	OVER / UNDER DUCT CONVERSION KIT	PDTR0U4A	PDTR0U4A	PDTR0U4A	PDTR0U4A



CAUTION

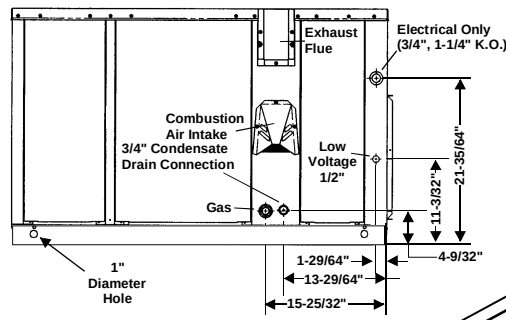
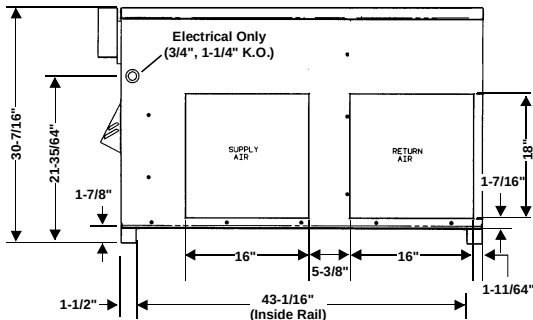
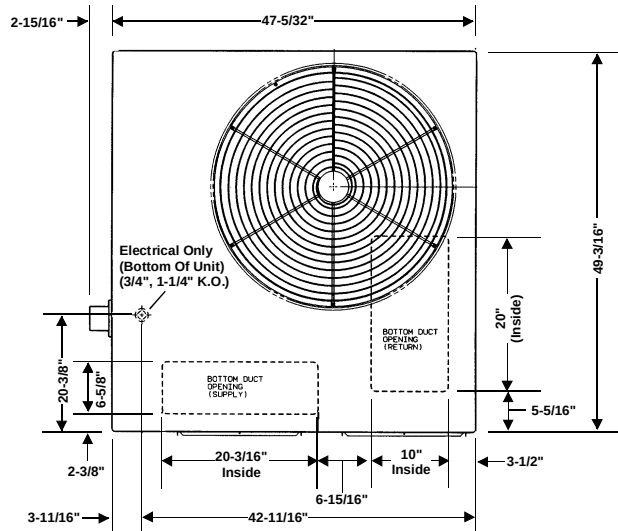
The installation must be adjusted to obtain a temperature rise within the range listed on the unit nameplate.

Propane Gas Conversion Chart					
Model	Gas	Altitude (Feet)	Kit	Orifice	Manifold Pressure
PGB**C***E	Natural Propane	0 - 6000	None LPTK09	#43 #55	3.5" W.C 10.0" W.C.
PGB**C***E	Natural Propane	6001 - 11000	HANG07 HALP09	#45 #56	3.5" W.C 10.0" W.C.

NOTE: In Canada, gas furnaces are certified to 4,500 feet only.

NOTES:

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

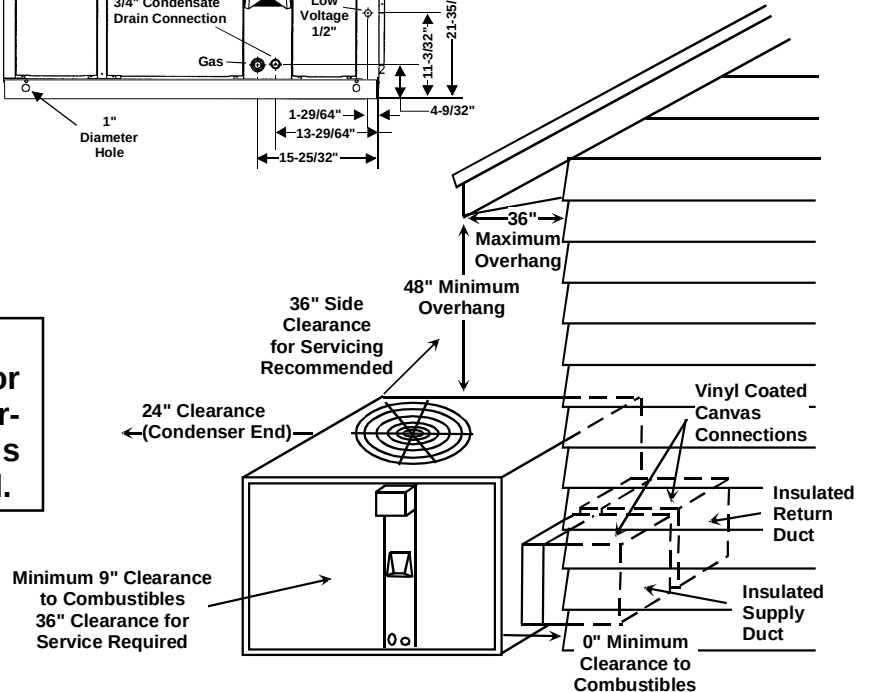


Clearances



WARNING

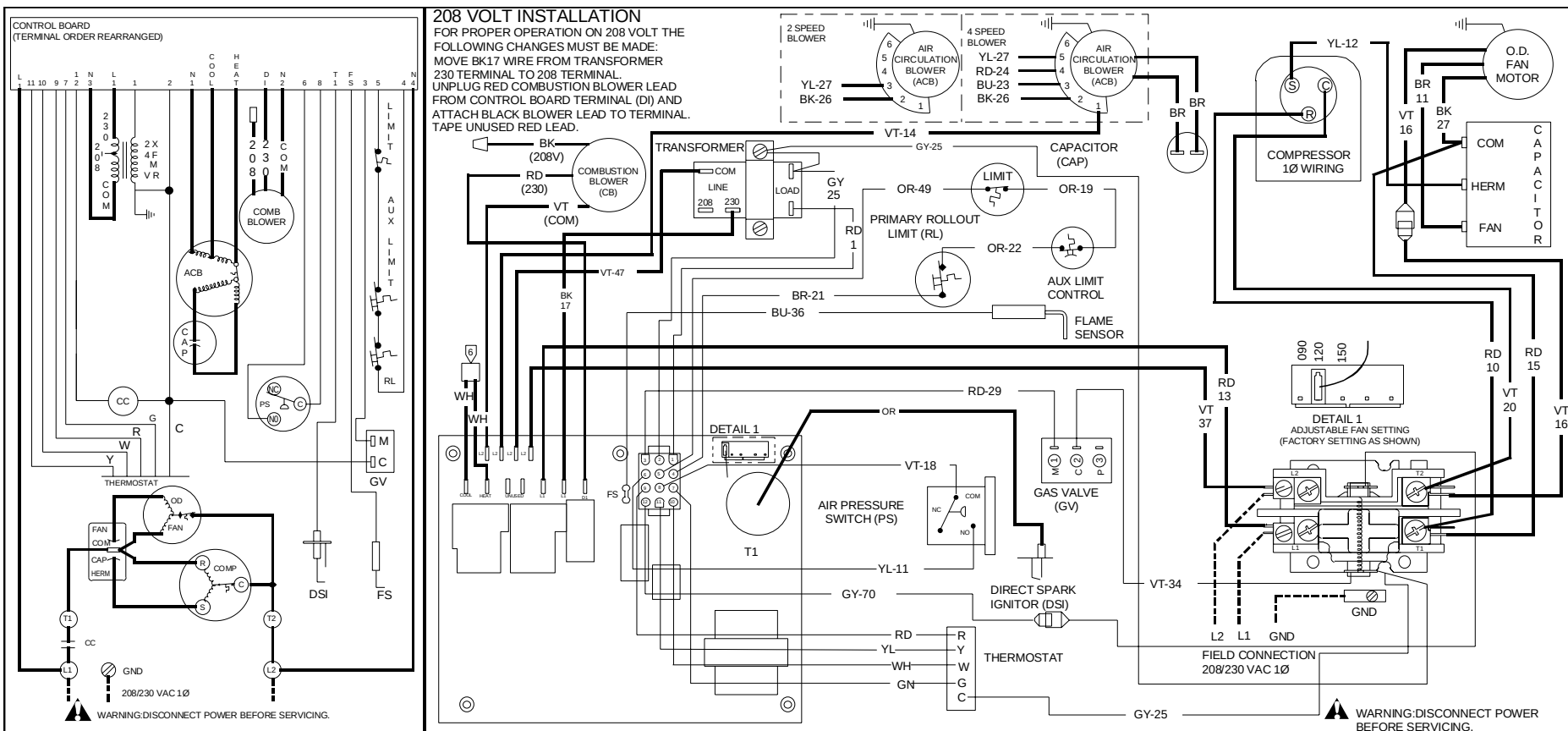
To avoid death, personal injury or property damage due to fire, clearances to combustible surfaces listed as shown must be observed.





WARNING

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



FACTORY WIRED MOTOR CONNECTIONS

MODELS	MOTOR SPEEDS	* HEATING BLOWER SPEED		** COOLING BLOWER SPEED	
		SPEED	MOTOR TO "HEAT"	SPEED	MOTOR TO "COOL"
PGB24C0452E	4	LOW	YL-27	LOW	YL-27
PGB24C0702E	4	MED HI	BU-23	LOW	YL-27
PGB24C0902E	4	HI	BK-26	LOW	YL-27
PGB30C0702E	4	MED HI	BU-23	MED LOW	RD-24
PGB30C0902E	4	HI	BK-26	MED LOW	RD-24
PGB36C0702E	4	MED HI	BU-23	MED HI	BU-23
PGB36C0902E	4	HI	BK-26	MED HI	BU-23
PGB42C0902E	2	HI	BK-26	HI	BK-26

IMPORTANT:

- READ BEFORE OPERATING OR SERVICING THIS UNIT. WARNING: DISCONNECT POWER BEFORE SERVICING.
1. AMANA SPECIFIED REPLACEMENT PARTS MUST BE USED WHEN SERVICING.
 2. IF ANY ORIGINAL WIRE IS REPLACED, 105 °C WIRE MUST BE USED. USE COPPER CONDUCTORS ONLY.
 3. EQUIPPED FOR 230 VOLT OR 208 VOLT.
 4. HEAT ON/OFF FAN DELAY FACTORY SETTINGS: 30 SECONDS ON AND 120 SECONDS OFF.
 5. UNUSED BLOWER MOTOR LEADS MUST BE PLACED ON UNUSED MOTOR TERMINALS OF CONTROL OR TAPED.
 6. IF HEATING AND COOLING BLOWER SPEEDS ARE NOT THE SAME DISCARD JUMPER BEFORE CONNECTING BLOWER LEADS.
 7. COOLING ON/OFF FAN DELAY SETTING: 7 SECONDS ON AND 30 SECONDS OFF.

8. DIAGNOSTIC LIGHT: STEADY ON= STANDBY MODE; STEADY OFF= INTERNAL FAULT OR NO POWER; 1 FLASH= LOCKOUT; 2 FLASHES= PS STUCK OPEN; 3 FLASHES= PS STUCK CLOSED; 4 FLASHES= OPEN HIGH LIMIT SWITCH; AUX LIMIT SWITCH, OR OPEN ROLL OUT; 5 FLASHES= FLAME DETECTED WITH GAS VALVE CLOSED; 6 FLASHES= COMPRESSOR DELAYED ON SHORT CYCLE TIMER; 7 FLASHES= LOW FLAME SENSE CURRENT; 8 FLASHES= 5 LIMIT TRIPS WITHIN A SINGLE CALL FOR HEAT.
9. COMPRESSOR SHORT CYCLE DELAY: 3 MIN. STARTUP DELAY AFTER POWER LOSS.

20261301 REV. 1

COLOR CODE

YL YELLOW	BR BROWN
OR ORANGE	WH WHITE
VT VIOLET	BU BLUE
GN GREEN	GY GRAY
BK BLACK	RD RED

—	LOW VOLTAGE
- - -	LOW VOLTAGE FIELD
—	HI VOLTAGE
- - -	HI VOLTAGE FIELD

Dry Coil Data (Horizontal)

PGB24C045								
UNIT STATIC	LOW		MED-LOW		MED-HIGH		HIGH	
	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
0.1	990	34	1180	29	1370	25	1590	NR
0.2	960	35	1140	30	1340	26	1570	NR
0.3	930	37	1090	31	1280	27	1500	NR
0.4	890	38	1050	32	1210	28	1430	NR
0.5	790	43	980	35	1140	30	1340	25
0.6	720	47	900	38	1050	32	1250	27
0.7	620	55	750	45	890	38	1140	30
0.8	470	NR	600	NR	770	44	910	37

PGB24C070/PGB30C070								
UNIT STATIC	LOW		MED-LOW		MED-HIGH		HIGH	
	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
0.1	1000	51	1170	44	1380	37	1630	31
0.2	960	53	1140	45	1330	38	1560	33
0.3	930	55	1100	46	1270	40	1480	35
0.4	880	58	1040	49	1200	43	1410	36
0.5	820	NR	980	52	1130	45	1330	38
0.6	710	NR	910	56	1060	48	1230	42
0.7	630	NR	760	NR	960	53	1130	45
0.8	460	NR	600	NR	760	NR	1020	50

PGB24C090/PGB30C090								
UNIT STATIC	LOW		MED-LOW		MED-HIGH		HIGH	
	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
0.1	990	69	1160	59	1360	50	1590	NR
0.2	950	72	1120	61	1300	52	1530	45
0.3	920	74	1080	63	1260	54	1460	47
0.4	870	NR	1030	66	1190	57	1390	49
0.5	810	NR	970	70	1130	60	1320	51
0.6	710	NR	900	NR	1050	65	1230	55
0.7	610	NR	780	NR	950	72	1130	60
0.8	470	NR	620	NR	770	NR	1010	67

NR Not Recommended



CAUTION

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

Dry Coil Data (Downshot)

PGB36070								
UNIT STATIC	LOW		MED-LOW		MED-HIGH		HIGH	
	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
0.1	980	52	1160	44	1350	38	1580	32
0.2	950	54	1120	46	1290	40	1510	34
0.3	910	56	1070	48	1230	42	1430	36
0.4	860	59	1020	50	1150	44	1350	38
0.5	800	NR	950	54	1090	47	1280	40
0.6	690	NR	870	59	1010	51	1180	43
0.7	600	NR	730	NR	920	56	1080	47
0.8	440	NR	630	NR	720	NR	910	56

PGB36090								
UNIT STATIC	LOW		MED-LOW		MED-HIGH		HIGH	
	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
0.1	980	70	1150	59	1330	51	1550	44
0.2	940	72	1110	61	1290	53	1490	46
0.3	910	75	1060	64	1220	56	1420	48
0.4	860	NR	1010	67	1160	59	1350	50
0.5	800	NR	960	71	1090	63	1270	54
0.6	700	NR	880	NR	1020	67	1200	57
0.7	560	NR	740	NR	910	75	1090	63
0.8	450	NR	560	NR	750	NR	980	70

PGB42090				
UNIT STATIC	LOW		HIGH	
	CFM	RISE	CFM	RISE
0.1	1240	55	1500	45
0.2	1200	57	1430	48
0.3	1160	59	1370	50
0.4	1110	61	1300	52
0.5	1050	65	1220	56
0.6	970	70	1140	60
0.7	850	NR	1040	66
0.8	700	NR	850	NR



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

NR Not Recommended

PGB24C Cooling Performance Data



CAUTION

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

PGB24C																										
			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	900	Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		AMPS	8.0	8.2	8.4	-	8.5	8.7	8.9	-	9.1	9.3	9.6	-	9.7	9.9	10.2	-	10.2	10.4	10.7	-	10.7	11.0	11.3	-
		HI PR	158	170	179	-	177	190	201	-	201	217	229	-	229	247	260	-	258	278	293	-	285	307	324	-
		LO PR	63	67	73	-	67	71	77	-	69	74	80	-	73	77	85	-	76	81	89	-	79	84	92	-
	850	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		AMPS	8.0	8.1	8.4	-	8.5	8.7	8.9	-	9.1	9.3	9.6	-	9.7	9.9	10.1	-	10.2	10.4	10.7	-	10.7	10.9	11.3	-
		HI PR	157	169	179	-	176	190	200	-	201	216	228	-	229	246	260	-	257	277	292	-	284	306	323	-
		LO PR	63	67	73	-	66	71	77	-	69	73	80	-	73	77	84	-	76	81	88	-	79	84	91	-
	700	Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		AMPS	7.8	8.0	8.2	-	8.3	8.5	8.7	-	8.9	9.1	9.3	-	9.4	9.6	9.9	-	9.9	10.1	10.4	-	10.4	10.7	11.0	-
		HI PR	153	164	173	-	171	184	194	-	195	209	221	-	222	239	252	-	249	268	283	-	276	297	313	-
		LO PR	61	65	71	-	64	69	75	-	67	71	78	-	70	75	82	-	74	78	86	-	76	81	89	-
75	900	Delta T	20	19	15	10	20	19	15	11	20	19	15	11	21	19	16	11	20	19	15	11	19	17	14	10
		AMPS	8.1	8.2	8.4	8.7	8.6	8.8	9.0	9.3	9.2	9.4	9.7	10.0	9.8	10.0	10.2	10.6	10.3	10.5	10.8	11.2	10.8	11.0	11.4	11.8
		HI PR	159	171	181	189	179	192	203	212	203	219	231	241	232	249	263	274	261	280	296	309	288	310	327	341
		LO PR	64	68	74	79	67	72	78	83	70	74	81	87	74	78	85	91	77	82	89	95	80	85	93	99
	850	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	8.0	8.2	8.4	8.7	8.6	8.8	9.0	9.3	9.2	9.4	9.6	10.0	9.7	9.9	10.2	10.6	10.3	10.5	10.8	11.1	10.8	11.0	11.3	11.7
		HI PR	159	171	180	188	178	192	203	211	203	218	230	240	231	248	262	274	260	280	295	308	287	309	326	340
		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
	700	Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11
		AMPS	7.9	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.2	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.4
		HI PR	154	166	175	183	173	186	196	205	197	212	223	233	224	241	254	265	252	271	286	299	278	300	316	330
		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
80	900	Delta T	22	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	22	19	15	20	20	18	14
		AMPS	8.1	8.3	8.5	8.8	8.7	8.8	9.1	9.4	9.3	9.5	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.6	10.9	11.3	10.9	11.1	11.5	11.9
		HI PR	161	173	183	191	181	194	205	214	205	221	233	243	234	252	266	277	263	283	299	312	291	313	330	345
		LO PR	64	69	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	81	86	94	100
	850	Delta T	23	22	19	15	23	22	19	16	23	22	20	16	23	23	20	16	22	22	19	15	21	21	18	14
		AMPS	8.1	8.3	8.5	8.7	8.6	8.8	9.1	9.3	9.3	9.5	9.7	10.0	9.8	10.0	10.3	10.6	10.3	10.6	10.9	11.2	10.9	11.1	11.4	11.8
		HI PR	160	173	182	190	180	194	205	213	205	220	233	243	233	251	265	276	262	282	298	311	290	312	329	344
		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
	700	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	20	16
		AMPS	7.9	8.1	8.3	8.6	8.4	8.6	8.9	9.1	9.1	9.2	9.5	9.8	9.6	9.8	10.1	10.4	10.1	10.3	10.6	11.0	10.6	10.8	11.2	11.5
		HI PR	156	167	177	184	175	188	198	207	199	214	226	235	226	243	257	268	254	274	289	302	281	303	320	333
		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

*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.

PGB30C Cooling Performance Data



CAUTION

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

PGB30C																										
			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	1125	Delta T	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	14	11	-	16	13	10	-
		AMPS	9.8	10.0	10.3	-	10.5	10.7	11.0	-	11.3	11.5	11.8	-	11.9	12.2	12.5	-	12.6	12.9	13.2	-	13.2	13.5	13.9	-
		HI PR	163	175	185	-	183	197	208	-	208	224	236	-	237	255	269	-	267	287	303	-	295	317	335	-
		LO PR	66	70	77	-	70	74	81	-	73	77	84	-	76	81	88	-	80	85	93	-	83	88	96	-
	1050	Delta T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
		AMPS	9.8	10.0	10.3	-	10.5	10.7	11.0	-	11.2	11.5	11.8	-	11.9	12.1	12.5	-	12.6	12.8	13.2	-	13.2	13.5	13.9	-
		HI PR	163	175	185	-	182	196	207	-	207	223	236	-	236	254	269	-	266	286	302	-	294	316	334	-
		LO PR	66	70	76	-	70	74	81	-	72	77	84	-	76	81	88	-	80	85	92	-	82	88	96	-
	875	Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		AMPS	9.6	9.8	10.0	-	10.2	10.4	10.7	-	11.0	11.2	11.5	-	11.6	11.8	12.2	-	12.2	12.5	12.9	-	12.9	13.2	13.6	-
		HI PR	158	170	179	-	177	190	201	-	201	217	229	-	229	247	260	-	258	277	293	-	285	307	324	-
		LO PR	64	68	74	-	67	72	78	-	70	75	81	-	74	78	86	-	77	82	90	-	80	85	93	-
75	1125	Delta T	19	18	14	10	19	18	15	10	19	18	15	10	20	18	15	10	19	18	15	10	18	17	14	9
		AMPS	9.9	10.1	10.4	10.7	10.6	10.8	11.1	11.4	11.3	11.6	11.9	12.3	12.0	12.3	12.6	13.0	12.7	13.0	13.3	13.8	13.4	13.6	14.0	14.5
		HI PR	165	177	187	195	185	199	210	219	210	226	239	249	239	258	272	284	269	290	306	319	298	320	338	353
		LO PR	67	71	77	83	70	75	82	87	73	78	85	91	77	82	89	95	81	86	94	100	83	89	97	103
	1050	Delta T	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10
		AMPS	9.9	10.1	10.3	10.7	10.5	10.8	11.1	11.4	11.3	11.6	11.9	12.3	12.0	12.2	12.6	13.0	12.7	12.9	13.3	13.8	13.3	13.6	14.0	14.5
		HI PR	164	177	187	195	184	198	209	218	210	226	238	248	239	257	271	283	269	289	305	318	297	319	337	352
		LO PR	67	71	77	82	70	75	82	87	73	78	85	90	77	82	89	95	80	86	93	99	83	88	97	103
	875	Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		AMPS	9.6	9.8	10.1	10.4	10.3	10.5	10.8	11.1	11.0	11.3	11.6	12.0	11.7	11.9	12.3	12.7	12.3	12.6	13.0	13.4	13.0	13.3	13.7	14.1
		HI PR	159	171	181	189	179	192	203	212	203	219	231	241	232	249	263	274	260	280	296	309	288	310	327	341
		LO PR	65	69	75	80	68	73	79	84	71	75	82	88	74	79	86	92	78	83	91	96	81	86	94	100
80	1125	Delta T	21	20	18	14	22	21	18	14	22	21	18	14	22	21	18	15	21	21	18	14	19	19	17	13
		AMPS	10.0	10.2	10.4	10.8	10.6	10.9	11.2	11.5	11.4	11.7	12.0	12.4	12.1	12.4	12.7	13.2	12.8	13.1	13.5	13.9	13.5	13.8	14.2	14.6
		HI PR	166	179	189	197	187	201	212	221	212	229	241	252	242	260	275	287	272	293	309	322	301	323	342	356
		LO PR	67	72	78	83	71	76	83	88	74	79	86	92	78	83	90	96	81	87	95	101	84	90	98	104
	1050	Delta T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	21	19	15	20	20	17	14
		AMPS	9.9	10.1	10.4	10.8	10.6	10.8	11.1	11.5	11.4	11.6	12.0	12.4	12.1	12.3	12.7	13.1	12.8	13.0	13.4	13.9	13.4	13.7	14.1	14.6
		HI PR	166	179	189	197	186	200	212	221	212	228	241	251	241	259	274	286	271	292	308	322	300	323	341	355
		LO PR	67	71	78	83	71	76	82	88	74	78	86	91	77	82	90	96	81	86	94	100	84	89	98	104
	875	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	15
		AMPS	9.7	9.9	10.2	10.5	10.4	10.6	10.9	11.2	11.1	11.4	11.7	12.1	11.8	12.0	12.4	12.8	12.4	12.7	13.1	13.5	13.1	13.4	13.8	14.2
		HI PR	161	173	183	191	181	194	205	214	205	221	233	243	234	252	266	277	263	283	299	312	291	313	330	345
		LO PR	65	69	76	81	69	73	80	85	72	76	83	89	75	80	87	93	79	84	91	97	81	87	95	101

*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.

PGB36C Cooling Performance Data



CAUTION

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

PGB36C																										
			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	1350	Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		AMPS	11.9	12.1	12.4	-	12.7	12.9	13.3	-	13.6	13.9	14.3	-	14.4	14.7	15.2	-	15.2	15.6	16.0	-	16.0	16.4	16.9	-
		HI PR	171	184	194	-	192	206	218	-	218	235	248	-	248	267	282	-	279	301	317	-	309	332	351	-
		LO PR	64	68	75	-	68	72	79	-	71	75	82	-	74	79	86	-	78	83	90	-	80	86	93	-
	1160	Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		AMPS	11.8	12.0	12.3	-	12.6	12.8	13.2	-	13.5	13.8	14.2	-	14.3	14.6	15.1	-	15.1	15.4	15.9	-	15.9	16.3	16.8	-
		HI PR	169	182	192	-	190	204	216	-	216	232	245	-	246	264	279	-	277	298	314	-	306	329	347	-
		LO PR	64	68	74	-	67	72	78	-	70	74	81	-	73	78	85	-	77	82	89	-	80	85	92	-
	1050	Delta T	20	17	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		AMPS	11.6	11.9	12.2	-	12.4	12.7	13.0	-	13.3	13.6	14.0	-	14.1	14.4	14.8	-	14.9	15.2	15.7	-	15.7	16.0	16.5	-
		HI PR	166	179	189	-	187	201	212	-	212	228	241	-	242	260	275	-	272	293	309	-	300	323	341	-
		LO PR	63	67	73	-	66	70	77	-	69	73	80	-	72	77	84	-	76	80	88	-	78	83	91	-
75	1350	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	12.0	12.2	12.5	12.9	12.8	13.0	13.4	13.8	13.7	14.0	14.4	14.9	14.5	14.9	15.3	15.8	15.4	15.7	16.2	16.7	16.2	16.5	17.0	17.6
		HI PR	173	186	196	204	194	208	220	229	220	237	250	261	251	270	285	297	282	304	321	334	312	335	354	369
		LO PR	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	78	84	91	97	81	86	94	100
	1160	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	11.9	12.1	12.4	12.8	12.7	12.9	13.3	13.7	13.6	13.9	14.3	14.8	14.4	14.7	15.2	15.7	15.2	15.6	16.0	16.6	16.0	16.4	16.9	17.5
		HI PR	171	184	194	202	192	206	218	227	218	235	248	258	248	267	282	294	279	301	317	331	309	332	351	366
		LO PR	64	68	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	80	86	93	99
	1050	Delta T	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	23	22	18	12	22	20	17	11
		AMPS	11.7	11.9	12.3	12.7	12.5	12.8	13.1	13.6	13.4	13.7	14.1	14.6	14.2	14.5	15.0	15.5	15.0	15.4	15.8	16.3	15.8	16.2	16.7	17.2
		HI PR	168	181	191	199	188	203	214	223	214	231	244	254	244	263	277	289	275	295	312	325	303	326	345	360
		LO PR	63	67	73	78	67	71	78	83	69	74	81	86	73	78	85	90	76	81	89	94	79	84	92	98
80	1350	Delta T	23	22	19	15	23	22	19	16	23	22	19	16	22	23	20	16	21	22	19	15	20	20	18	14
		AMPS	12.0	12.3	12.6	13.0	12.9	13.1	13.5	14.0	13.8	14.1	14.5	15.0	14.7	15.0	15.4	15.9	15.5	15.8	16.3	16.9	16.3	16.7	17.2	17.8
		HI PR	174	188	198	207	196	210	222	232	222	239	253	264	253	273	288	300	285	307	324	338	315	339	358	373
		LO PR	66	70	76	81	69	74	80	86	72	77	84	89	76	80	88	94	79	84	92	98	82	87	95	101
	1160	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	22	22	19	16
		AMPS	12.0	12.2	12.5	12.9	12.8	13.0	13.4	13.8	13.7	14.0	14.4	14.9	14.6	14.9	15.3	15.8	15.4	15.7	16.2	16.7	16.2	16.5	17.0	17.6
		HI PR	173	186	196	205	194	208	220	229	220	237	250	261	251	270	285	297	282	304	321	334	312	335	354	369
		LO PR	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	79	84	91	97	81	86	94	100
	1050	Delta T	26	25	22	17	26	25	22	18	26	25	22	18	27	25	22	18	26	25	22	17	24	23	20	16
		AMPS	11.8	12.0	12.4	12.8	12.6	12.9	13.2	13.7	13.5	13.8	14.2	14.7	14.4	14.7	15.1	15.6	15.2	15.5	15.9	16.5	16.0	16.3	16.8	17.4
		HI PR	170	183	193	201	190	205	216	226	216	233	246	257	247	265	280	292	277	298	315	329	306	330	348	363
		LO PR	64	68	74	79	67	72	78	83	70	75	81	87	74	78	86	91	77	82	90	95	80	85	93	99

*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.

PGB42C Cooling Performance Data



CAUTION

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

PGB42C																										
			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	1575	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		AMPS	14.5	14.8	15.2	-	15.5	15.8	16.2	-	16.6	17.0	17.5	-	17.6	18.0	18.5	-	18.6	19.0	19.6	-	19.6	20.1	20.7	-
		HI PR	173	186	197	-	194	209	221	-	221	238	251	-	252	271	286	-	283	305	322	-	313	337	356	-
		LO PR	65	69	76	-	69	73	80	-	71	76	83	-	75	80	87	-	79	84	91	-	81	86	94	-
	1350	Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		AMPS	14.4	14.6	15.1	-	15.3	15.7	16.1	-	16.5	16.8	17.3	-	17.5	17.9	18.4	-	18.5	18.9	19.4	-	19.5	19.9	20.5	-
		HI PR	171	185	195	-	192	207	219	-	219	235	249	-	249	268	283	-	280	302	319	-	310	333	352	-
		LO PR	64	68	75	-	68	72	79	-	71	75	82	-	74	79	86	-	78	83	90	-	80	86	93	-
	1225	Delta T	20	18	13	-	21	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	13	-
		AMPS	14.2	14.5	14.9	-	15.1	15.5	15.9	-	16.3	16.6	17.1	-	17.2	17.6	18.1	-	18.2	18.6	19.2	-	19.2	19.6	20.2	-
		HI PR	169	181	192	-	189	204	215	-	215	231	244	-	245	264	278	-	276	297	313	-	305	328	346	-
		LO PR	63	67	73	-	67	71	78	-	69	74	81	-	73	78	85	-	76	81	89	-	79	84	92	-
75	1575	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	14.6	14.9	15.3	15.8	15.6	15.9	16.4	16.9	16.8	17.1	17.6	18.2	17.8	18.2	18.7	19.3	18.8	19.2	19.8	20.5	19.8	20.2	20.8	21.6
		HI PR	175	188	199	207	196	211	223	233	223	240	254	265	254	274	289	301	286	308	325	339	316	340	359	375
		LO PR	66	70	76	81	69	74	81	86	72	77	84	89	76	81	88	94	79	84	92	98	82	87	95	102
	1350	Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11
		AMPS	14.5	14.8	15.2	15.7	15.5	15.8	16.2	16.8	16.6	17.0	17.5	18.1	17.6	18.0	18.5	19.2	18.6	19.0	19.6	20.3	19.6	20.1	20.7	21.4
		HI PR	173	186	197	205	194	209	221	230	221	238	251	262	252	271	286	298	283	305	322	336	313	337	356	371
		LO PR	65	69	76	80	69	73	80	85	71	76	83	88	75	80	87	93	79	84	91	97	81	87	94	101
	1225	Delta T	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11
		AMPS	14.3	14.6	15.0	15.5	15.3	15.6	16.0	16.5	16.4	16.7	17.2	17.8	17.4	17.8	18.3	18.9	18.4	18.8	19.3	20.0	19.3	19.8	20.4	21.1
		HI PR	170	183	193	202	191	206	217	226	217	234	247	258	247	266	281	293	278	300	316	330	308	331	350	365
		LO PR	64	68	74	79	68	72	78	84	70	75	82	87	74	78	86	91	77	82	90	96	80	85	93	99
80	1575	Delta T	23	22	19	15	23	22	20	16	23	22	20	16	22	23	20	16	21	22	19	15	20	20	18	14
		AMPS	14.7	15.0	15.4	15.9	15.7	16.0	16.5	17.0	16.9	17.3	17.8	18.4	17.9	18.3	18.9	19.5	18.9	19.4	19.9	20.6	20.0	20.4	21.0	21.7
		HI PR	177	190	201	209	198	213	225	235	226	243	256	267	257	276	292	304	289	311	328	342	319	344	363	378
		LO PR	66	71	77	82	70	75	81	87	73	78	85	90	77	81	89	95	80	85	93	99	83	88	96	103
	1350	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	22	22	20	16
		AMPS	14.6	14.9	15.3	15.8	15.6	15.9	16.4	16.9	16.8	17.1	17.6	18.2	17.8	18.2	18.7	19.3	18.8	19.2	19.8	20.5	19.8	20.2	20.8	21.6
		HI PR	175	188	199	207	196	211	223	233	223	240	254	265	254	274	289	301	286	308	325	339	316	340	359	375
		LO PR	66	70	76	81	69	74	81	86	72	77	84	89	76	81	88	94	79	84	92	98	82	87	95	102
	1225	Delta T	26	25	22	17	26	25	22	18	26	25	22	18	27	26	22	18	26	25	22	18	24	24	20	16
		AMPS	14.4	14.7	15.1	15.6	15.4	15.7	16.2	16.7	16.5	16.9	17.4	18.0	17.5	17.9	18.4	19.1	18.5	18.9	19.5	20.2	19.5	19.9	20.5	21.2
		HI PR	172	185	195	204	193	208	219	229	219	236	249	260	250	269	284	296	281	303	320	333	311	334	353	368
		LO PR	65	69	75	80	68	73	79	84	71	75	82	88	74	79	87	92	78	83	91	97	81	86	94	100

*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.