

PGD48/60**C

Single Package Gas-Electric Heating & Cooling Unit

Specification Sheet

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

Specifications							
		PGD48C0902D	PGD48C1152D	PGD48C1402D	PGD60C0902D	PGD60C1152D	PGB60C1402D
COOLING CAPACITY	COOLING CAPACITY, BTUH	47,000	47,000	47,000	59,000	59,000	59,000
	SEER	13.00	13.00	13.00	12.00	12.00	12.00
HEATING CAPACITY ¹	HEATING INPUT BTUH US	92,000	115,000	138,000	92,000	115,000	138,000
	CANADIAN (0-2000 FT)	92,000	115,000	138,000	92,000	115,000	138,000
	CANADIAN (0-4500 FT)	92,000	115,000	138,000	92,000	115,000	138,000
	HEATING OUTPUT BTUH US	73,600	92,000	110,400	73,600	92,000	110,400
	CANADIAN (0-2000 FT)	73,600	92,000	110,400	73,600	92,000	110,400
	CANADIAN (0-4500 FT)	73,600	92,000	110,400	73,600	92,000	110,400
	AFUE - %	80.0	80.0	80.0	80.0	80.0	80.0
UNIT ELECTRICAL SPECIFICATION	TEMPERATURE RISE - DEG F	45-75	45-75	45-75	45-75	45-75	45-75
	VOLTAGE (NAMEPLATE)	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
	UNIT AMPS (TOTAL)	26.6	26.6	26.6	34.4	34.4	34.4
	MIN CIRCUIT AMPACITY	31.2	31.2	31.2	40.7	40.7	40.7
	MAX OVERCURRENT PROTECTION	45	45	45	60	60	60
HEATING SECTION	NUMBER OF BURNERS	4	5	6	4	5	6
	ORIFICE SIZE NATURAL	43	43	43	43	43	43
	ORIFICE SIZE LP	55	55	55	55	55	55
	PILOT ORIFICE SIZE NAT / LP	.018/.012	.018/.012	.018/.012	.018/.012	.018/.012	.018/.012
COMPRESSOR	TYPE	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL
	RATED LOAD AMPS	18.3	18.3	18.3	25	25	25
	LOCKED ROTOR AMPS	109.0	109.0	109.0	169.0	169.0	169.0
CONDENSER FAN MOTOR	HORSEPOWER	1/5	1/5	1/5	1/3	1/3	1/3
	RPM	825	825	825	1100	1100	1100
	FULL LOAD AMPS	1.30	1.30	1.30	2.40	2.40	2.40
	LOCKED ROTOR AMPS	2.0	2.0	2.0	5.4	5.4	5.4
CONDENSER FAN	BLADE DIAMETER / NUMBER	22 IN / 4	22 IN / 4	22 IN / 4	22 IN / 4	22 IN / 4	22 IN / 4
	CFM	2500	2500	2500	3000	3000	3000
CONDENSER COIL	FACE AREA	12	12	12	12	12	12
	NUMBER OF ROWS / FINS PER INCH	2 / 20	2 / 20	2 / 20	2 / 20	2 / 20	2 / 20
EVAPORATOR BLOWER MOTOR	HORSEPOWER - NO. OF SPEEDS	1-ECM	1-ECM	1-ECM	1-ECM	1-ECM	1-ECM
	FULL LOAD AMPS	7	7	7	7	7	7
	LOCKED ROTOR AMPS	ECM	ECM	ECM	ECM	ECM	ECM
	MOTOR SPEED TAP - COOLING RPM / AMPS	VARIABLE	VARIABLE	VARIABLE	VARIABLE	VARIABLE	VARIABLE
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	11 X 10	11 X 10	11 X 10	11 X 10	11 X 10	11 X 10
	RATED SCFM COOLING	1500	1500	1500	1750	1750	1750
	MAX EXTERNAL STATIC PRESS	.5"wc	.5"wc	.5"wc	.5"wc	.5"wc	.5"wc
EVAPORATOR COIL	FACE AREA - SQ. FT.	5.2	5.2	5.2	5.2	5.2	5.2
	NUMBER OF ROWS / FINS PER INCH	4 / 14	4 / 14	4 / 14	4 / 14	4 / 14	4 / 14
	DRAIN SIZE	3/4 IN	3/4 IN	3/4 IN	3/4 IN	3/4 IN	3/4 IN
GENERAL INFORMATION	EXPANSION DEVICE	ORIFICE	ORIFICE	ORIFICE	ORIFICE	ORIFICE	ORIFICE
	REFRIGERANT CHARGE R-22	ON NAMEPLATE	ON NAMEPLATE	ON NAMEPLATE	ON NAMEPLATE	ON NAMEPLATE	ON NAMEPLATE
	POWER SUPPLY ENTRANCE SIZE	3/4 1-1/4	3/4 1-1/4	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"	1/2"	1/2"
	SHIPPING WEIGHT LBS.	461	467	473	478	484	490
	OPERATING WEIGHT LBS.	441	447	453	458	464	470
ACCESSORIES	PROPANE GAS CONVERSION KIT	LPTK09	LPTK09	LPTK09	LPTK09	LPTK09	LPTK09
	COMPRESSOR SOUND BLANKET	CSB08A	CSB08A	CSB08A	CSB09A	CSB09A	CSB09A
	HORIZONTAL DUCT COVER KIT(2 COVERS)	CHK002A	CHK002A	CHK002A	CHK002A	CHK002A	CHK002A
	OVER / UNDER DUCT CONVERSION KIT	PDTR0U3A	PDTR0U3A	PDTR0U3A	PDTR0U3A	PDTR0U3A	PDTR0U3A

¹ Units installed in Canada are certified only to 4500 feet.



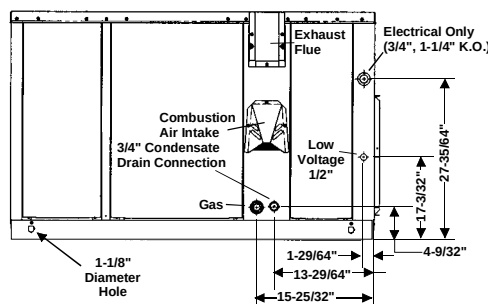
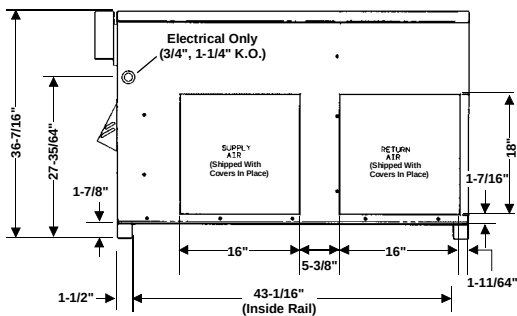
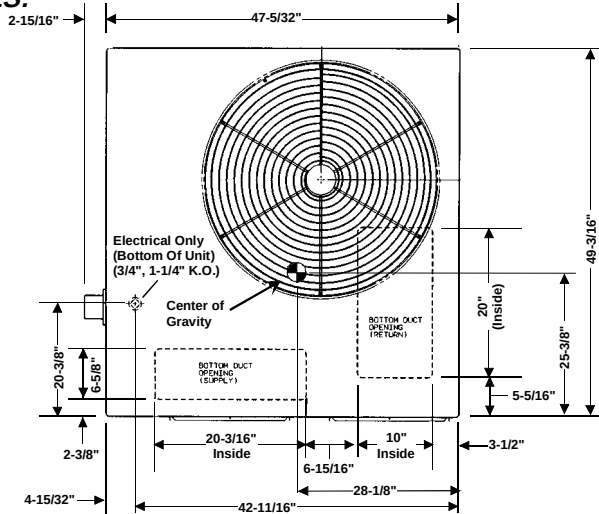
CAUTION

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
PGD**C***D	Natural Propane	0 - 6000	None LPTK09	#43 #55	3.5" W.C. 10.0" W.C.

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

NOTES:



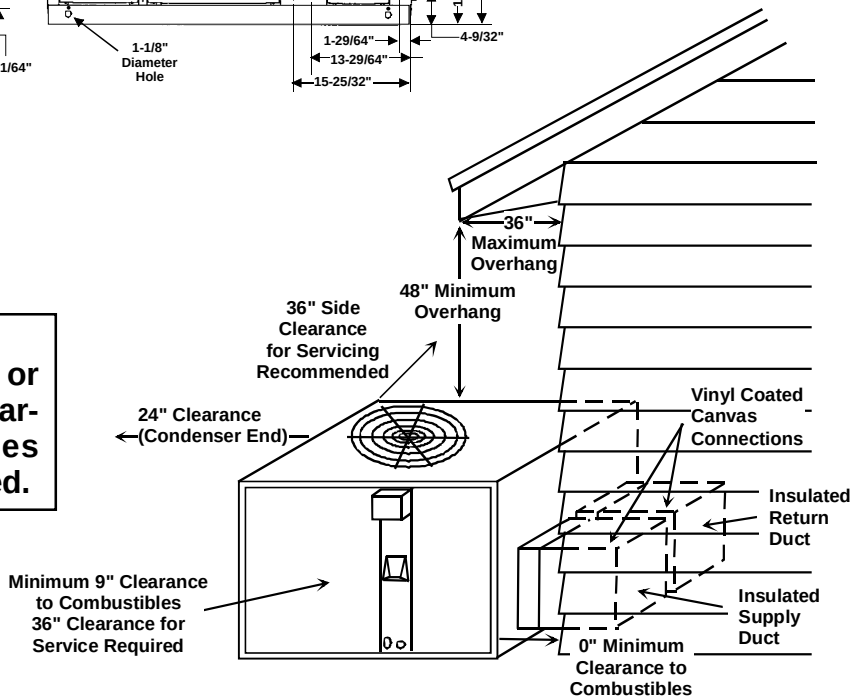
1. All units have a redundant gas valve.
2. All units are manufactured for use on 208/230 VAC, 60 Hz, single phase electrical supply.
3. **IMPORTANT:** While the data is presented as a guide, it is required to electrically connect the unit and properly size fuses and wires in accordance with the National 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

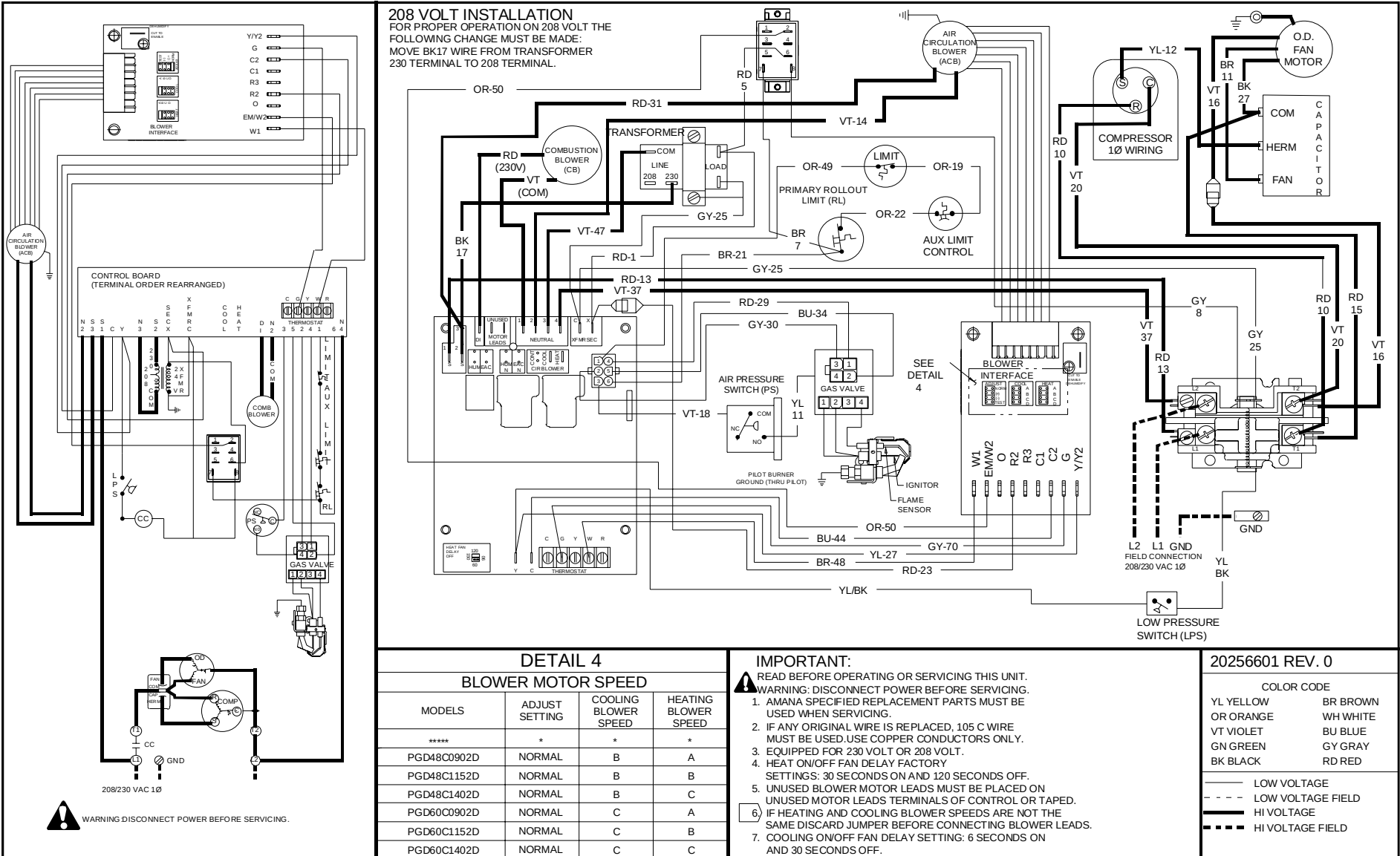
To avoid death, personal injury or property damage due to fire, clearances to combustible surfaces listed as shown must be observed.





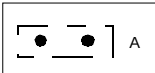
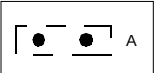
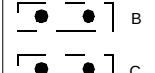
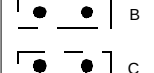
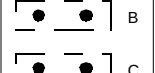
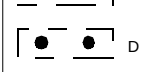
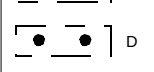
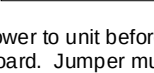
WARNING

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



Air Data

PGD48C***2D/PGD60C***2D					
COOLING SPEED	ADJUST TAB	CFM @ 0.1 - 0.5 ESP	Heating Speed	Adjust Tab	CFM @ 0.1 - 0.5 ESP
A	Minus	1260	A	Minus	990
A	Normal	1400	A	Normal	1100
A	Plus	1540	A	Plus	1210
B	Minus	1350	B	Minus	1260
B	Normal	1500	B	Normal	1400
B	Plus	1650	B	Plus	1540
C	Minus	1575	C	Minus	1485
C	Normal	1750	C	Normal	1650
C	Plus	1925	C	Plus	1815
D	Minus	1710	D	Minus	1800
D	Normal	1900	D	Normal	2000
D	Plus	2000	D	Plus	2000

	ADJUST	CFM	(COOL)	CFM	(HEAT)
NORM	 A	1400	 A	1100	 A
(+)	 B	1500	 B	1400	 B
(-)	 C	1750	 C	1650	 C
TEST	 D	1900	 D	2000	 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.					

FACTORY SETTING BLOWER MOTOR SPEED			
Models	Adjust Setting	Cooling Blower Speed	Heating Blower Speed
PGD48C0902D	NORMAL	B	A
PGD48C1152D	NORMAL	B	B
PGD48C1402D	NORMAL	B	C
PGD60C0902D	NORMAL	C	A
PGD60C1152D	NORMAL	C	B
PGD60C1402D	NORMAL	C	C

Typical Cooling Performance Data



CAUTION

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

PGD48C***2D																																					
		Outdoor Ambient Temperature (°F)																																			
		65								75								85								105								115			
IDB*	Airflow	Entering Indoor Wet Bulb Temperature (°F)																																			
70	Delta T	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								
	AMPS	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-								
	HI PR	14.6	14.9	15.3	-	15.6	16.0	16.4	-	16.8	17.2	17.7	-	17.8	18.2	18.7	-	18.8	19.2	19.8	-	18.8	19.2	19.8	-	19.8	20.3	20.9	-								
	LO PR	166	179	189	-	186	200	212	-	212	228	241	-	241	260	274	-	271	292	309	-	271	292	309	-	300	323	341	-								
70	Delta T	64	68	74	-	67	72	78	-	70	75	81	-	74	78	86	-	77	82	90	-	77	82	90	-	80	85	93	-								
	AMPS	20	17	13	-	20	17	13	-	20	18	13	-	20	18	13	-	20	17	13	-	20	17	13	-	19	16	12	-								
	HI PR	14.6	14.9	15.3	-	15.6	15.9	16.4	-	16.8	17.1	17.6	-	17.8	18.2	18.7	-	18.8	19.2	19.8	-	18.8	19.2	19.8	-	19.8	20.2	20.8	-								
	LO PR	166	178	188	-	186	200	211	-	211	227	240	-	241	259	273	-	271	291	308	-	271	291	308	-	299	322	340	-								
70	Delta T	64	68	74	-	67	72	78	-	70	74	81	-	73	78	85	-	77	82	89	-	77	82	89	-	80	85	92	-								
	AMPS	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	20	18	13	-	20	18	13	-	19	17	13	-								
	HI PR	14.4	14.7	15.1	-	15.4	15.7	16.2	-	16.5	16.9	17.4	-	17.5	17.9	18.4	-	18.5	18.9	19.5	-	18.5	18.9	19.5	-	19.5	19.9	20.5	-								
	LO PR	163	175	185	-	183	196	207	-	208	223	236	-	237	255	269	-	266	286	302	-	266	286	302	-	294	316	334	-								
75	Delta T	63	67	73	-	66	70	77	-	69	73	80	-	72	77	84	-	76	80	88	-	76	80	88	-	78	83	91	-								
	AMPS	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	22	21	17	12	21	19	16	11								
	HI PR	14.7	15.0	15.5	16.0	15.8	16.1	16.6	17.1	16.9	17.3	17.8	18.4	18.0	18.3	18.9	19.5	19.0	19.4	20.0	20.7	19.0	19.4	20.0	20.7	20.0	20.4	21.0	21.8								
	LO PR	168	181	191	199	188	203	214	223	214	230	243	254	244	262	277	289	274	295	312	325	274	295	312	325	303	326	344	359								
75	Delta T	64	69	75	80	68	72	79	84	71	75	82	88	74	79	86	92	78	83	91	96	78	83	91	96	81	86	94	100								
	AMPS	23	21	17	12	23	22	18	12	23	22	18	12	24	22	18	12	23	21	18	12	22	21	18	12	22	20	16	11								
	HI PR	14.7	15.0	15.4	15.9	15.7	16.1	16.5	17.0	16.9	17.3	17.8	18.4	17.9	18.3	18.8	19.5	18.9	19.3	19.9	20.6	18.9	19.3	19.9	20.6	19.9	20.4	21.0	21.7								
	LO PR	167	180	190	198	188	202	213	222	213	230	243	253	243	262	276	288	273	294	311	324	273	294	311	324	302	325	343	358								
75	Delta T	64	68	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	78	83	90	96	80	86	93	99								
	AMPS	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11								
	HI PR	14.5	14.8	15.2	15.7	15.5	15.8	16.3	16.8	16.7	17.0	17.5	18.1	17.7	18.1	18.6	19.2	18.7	19.1	19.6	20.3	18.7	19.1	19.6	20.3	19.7	20.1	20.7	21.4								
	LO PR	164	177	187	195	184	198	210	219	210	226	238	249	239	257	272	283	269	289	305	319	269	289	305	319	297	320	337	352								
75	Delta T	63	67	73	78	67	71	78	83	69	74	81	86	73	78	85	90	76	81	89	94	76	81	89	94	79	84	92	98								
	AMPS	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	24	24	21	17	22	22	19	16								
	HI PR	14.9	15.2	15.6	16.1	15.9	16.2	16.7	17.2	17.1	17.4	18.0	18.5	18.1	18.5	19.0	19.7	19.1	19.6	20.1	20.8	20.2	20.6	21.2	22.0	20.2	20.6	21.2	22.0								
	LO PR	169	182	193	201	190	205	216	225	216	233	246	256	246	265	280	292	277	298	315	328	277	298	315	328	306	329	348	363								
80	Delta T	65	69	76	81	69	73	80	85	72	76	83	88	75	80	87	93	79	84	91	97	79	84	91	97	81	87	95	101								
	AMPS	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	25	25	22	17	25	25	22	17	23	23	20	16								
	HI PR	14.8	15.1	15.6	16.1	15.8	16.2	16.6	17.2	17.0	17.4	17.9	18.5	18.1	18.5	19.0	19.6	19.1	19.5	20.1	20.8	20.1	19.5	20.1	20.8	20.1	20.5	21.2	21.9								
	LO PR	169	182	192	200	190	204	215	225	216	232	245	255	246	264	279	291	276	297	314	327	276	297	314	327	305	328	347	362								
80	Delta T	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	79	84	91	97	79	84	91	97	81	86	94	100								
	AMPS	26	25	22	17	27	25	22	18	27	25	22	18	27	26	22	18	26	25	22	18	26	25	22	18	25	24	21	16								
	HI PR	14.6	14.9	15.3	15.8	15.6	16.0	16.4	17.0	16.8	17.2	17.7	18.2	17.8	18.2	18.7	19.4	18.8	19.2	19.8	20.5	18.8	19.2	19.8	20.5	19.8	20.3	20.9	21.6								
	LO PR	166	179	189	197	186	201	212	221	212	228	241	251	241	260	274	286	272	292	309	322	272	292	309	322	300	323	341	356								

*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.

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

*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° DB + 63° WB).

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