

PGA(24-42)C**2F

SINGLE PACKAGE GAS-ELECTRIC

SPECIFICATION SHEET

Affix this literature adjacent to the unit.



Specifications						
		PGA24C0702F	PGA30C0702F	PGA36C0702F	PGA36C0902F	PGA42C0902F
COOLING CAPACITY	COOLING CAPACITY,BTUH	23,800	28,000	34,000	34,000	40,000
	SEER	10.00	10.00	10.00	10.00	10.00
HEATING CAPACITY*	HEATING INPUT BTUH US	69,000	69,000	69,000	92,000	92,000
	CANADIAN (0-2000 FT)	69,000	69,000	69,000	92,000	92,000
	CANADIAN (0-4500 FT)	69,000	69,000	69,000	92,000	92,000
	HEATING OUTPUT BTUH US	55,200	55,200	55,200	73,600	73,600
	CANADIAN (0-2000 FT)	55,200	55,200	55,200	73,600	73,600
	CANADIAN (0-4500 FT.)	55,200	55,200	55,200	73,600	73,600
	AFUE - %	80.0	80.0	80.0	80.0	80.0
	TEMPERATURE RISE - DEG F	30-60	30-60	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	208/230-60-1
	MIN CIRCUIT AMPACITY	17.0	20.2	21.4	21.4	25.9
	MAX OVERCURRENT PROTECTION	25	30	35	35	40
HEATING SECTION	NUMBER OF BURNERS	3	3	3	4	4
	ORIFICE SIZE NATURAL	43	43	43	43	43
	ORIFICE SIZE LP	55	55	55	55	55
COMPRESSOR	TYPE	RECIP	RECIP	RECIP	RECIP	RECIP
	RATED LOAD AMPS	10.9	13.4	14.4	14.4	17.9
	LOCKED ROTOR AMPS	60.0	69.4	82.0	82.0	96.0
CONDENSER FAN MOTOR	HORSEPOWER	1/6	1/6	1/6	1/6	1/6
	RPM	1075	1075	1075	1075	1075
	FULL LOAD AMPS	1.0	1.0	1.0	1.0	1.0
	LOCKED ROTOR AMPS	1.8	1.8	1.8	1.8	1.8
CONDENSER FAN	BLADE DIAMETER / NUMBER	22 IN / 3	22 IN / 3	22 IN / 3	22 IN / 3	22 IN / 3
	CFM	2400	2400	2400	2400	2600
CONDENSER COIL	FACE AREA - SQ. FT.	8.2	8.2	8.2	8.2	10.2
	NUMBER OF ROWS / FINS PER INCH	1 / 20	1 / 20	1 / 20	1 / 20	1 / 20
EVAPORATOR BLOWER MOTOR	HORSEPOWER - NO. OF SPEEDS	1/2 - 4	1/2 - 4	1/2 - 4	1/2 - 4	1/3 - 2
	LOCKED ROTOR AMPS	5.5	5.5	5.5	5.5	4.8
	FULL LOAD AMPS	2.4	2.4	2.4	2.4	2.5
	RPM	850	850	975	975	1050
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	10 X 10	10 X 10	10 X 10	10 X 10	10 X 10
	RATED SCFM COOLING	800	1000	1200	1200	1350
	MAX EXTERNAL STATIC PRESS	.5"wc	.5"wc	.5"wc	.5"wc	.5"wc
EVAPORATOR COIL	FACE AREA - SQ. FT.	4.2	4.2	4.2	4.2	4.2
	NUMBER OF ROWS / FINS PER INCH	2/14.0	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	3/4 IN
	EXT. FILTER SIZE SQ. FT.	3.8**	3.8**	4.0**	4.0**	4.5**
	EXPANSION DEVICE	ORIFICE	ORIFICE	ORIFICE	ORIFICE	ORIFICE
	REFRIGERANT CHARGE R-22	43 OZ	46 OZ	64 OZ	64 OZ	81 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	3/4 1-1/4
	LOW VOLTAGE ENTRANCE SIZE	1/2"	1/2"	1/2"	1/2"	1/2"
	SHIPPING WEIGHT LBS.	419	420	426	428	431
	OPERATING WEIGHT LBS.	405	406	412	414	417
ACCESSORIES	PROPANE GAS CONVERSION KIT	LPTK09	LPTK09	LPTK09	LPTK09	LPTK09
	COMPRESSOR SOUND BLANKET	CSB05A	CSB05A	CSB04A	CSB04A	CSB04A
	HORIZONTAL DUCT COVER KIT(2 COVERS)	CHK001A	CHK001A	CHK001A	CHK001A	CHK001A
	ROOFCURB - GAS ELECTRIC	PRC07A1	PRC07A1	PRC07A1	PRC07A1	PRC07A1
	ROOFCURB - COMBINATION	PRC08A1	PRC08A1	PRC08A1	PRC08A1	PRC08A1
	OVER / UNDER DUCT CONVERSION KIT	PDTR0U4A	PDTR0U4A	PDTR0U4A	PDTR0U4A	PDTR0U4A

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

** Calculated ext. filter size based on air velocity of 300 ft/min.

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! CAUTION

THE INSTALLATION MUST BE ADJUSTED TO OBTAIN A TEMPERATURE RISE **WITHIN** THE RANGE LISTED ON THE UNIT NAMEPLATE.

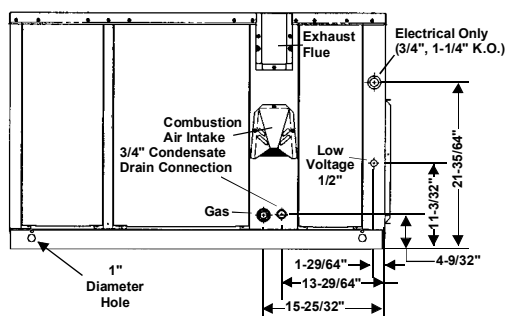
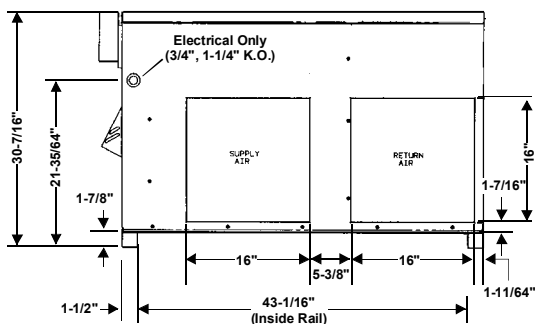
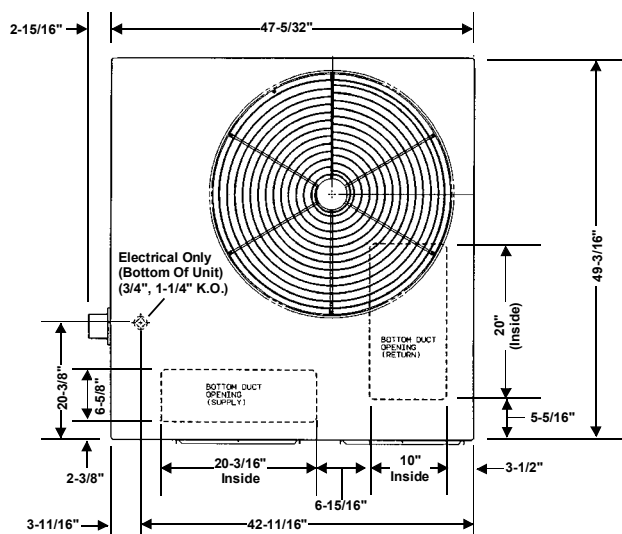
Propane Gas Conversion Chart

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

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

NOTES:

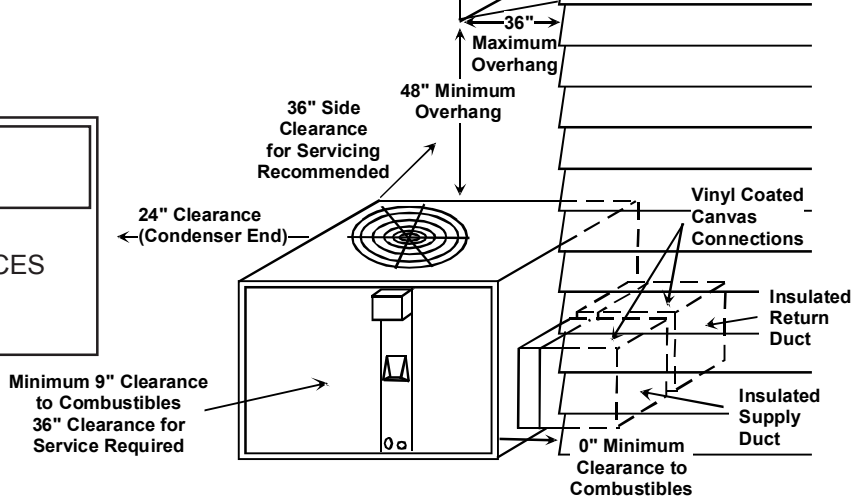
1. All units are manufactured for use on 208/230 VAC, 60 Hz, single phase electrical supply.
2. **IMPORTANT:** While the data is presented as a guide, it is required to determine the proper size fuses and wires to electrically connect the unit in accordance with the National Electrical Code and/or all 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.



Clearances

! WARNING

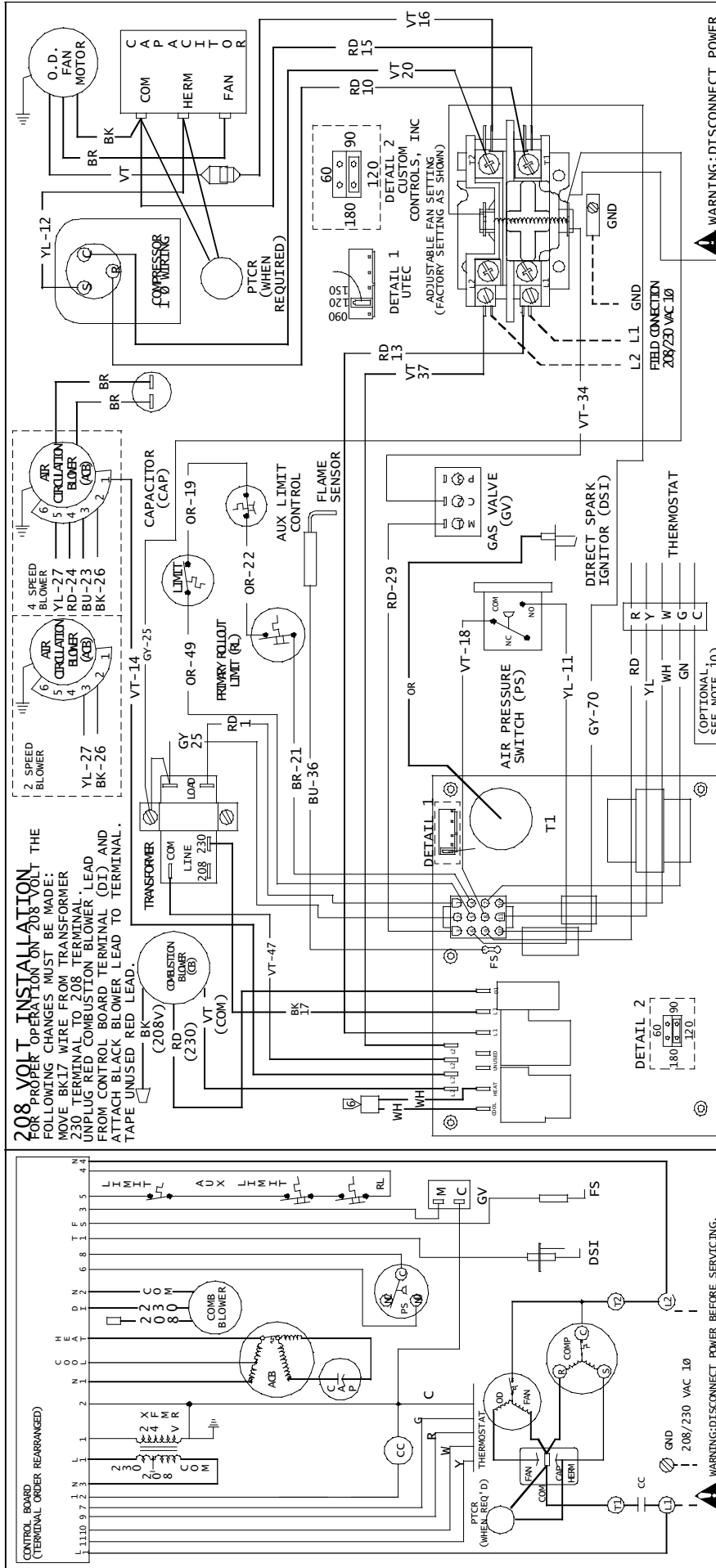
TO AVOID **PROPERTY DAMAGE, PERSONAL INJURY OR DEATH** DUE TO FIRE, CLEARANCES TO COMBUSTIBLE SURFACES LISTED AS SHOWN MUST BE OBSERVED.





WARNING

TO PREVENT **PROPERTY DAMAGE, PERSONAL INJURY OR DEATH**, DISCONNECT ELECTRICAL POWER TO THIS FURNACE BEFORE SERVICING OR PERFORMING MAINTENANCE.



FACTORY WIRED MOTOR CONNECTIONS

MODELS	* HEATING BLOWER SPEED		** COOLING BLOWER SPEED	
	MOTOR SPEEDS	SPEED	MOTOR TO "HEAT"	MOTOR TO "COOL"
PGA24C0702F	4	MED HI	BU-23	LOW
PGA30C0702F	4	MED HI	BU-23	MED LOW
PGA36C0702F	4	MED HI	BU-23	MED HI
PGA36C0902F	4	HI	BK-26	MED HI
PGA42C0902F	2	HI	BK-26	HI

IMPORTANT:

READ BEFORE OPERATING OR SERVICING THIS UNIT. WARNING: DISCONNECT POWER BEFORE SERVICING.

1. AVANA 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. UNSED BLOWER MOTOR LEADS MUST BE PLACED ON UNSED 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/FAN ONLY ON/OFF FAN DELAY SETTING: 7 SECONDS ON AND 30 SECONDS OFF.

8. DIAGNOSTIC LIGHT: STEADY ON= SENSORY/IDE; STEADY OFF= INTERNAL FAULT OR NO POWER; 1 FLASH= LOCKOUT; 2 FLASHES= PS STICK OPEN; 3 FLASHES= PS STICK CLOSED; 4 FLASHES= OPEN HIGH LIMIT SWITCH; 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 FLASHES= GAS VALVE SENSED ON IN ERROR (CUSTOM CONTROLS, INC. ONLY).
9. COMPRESSOR SHORT CYCLE DELAY: 3 MIN. STARTUP DELAY AFTER FAN DELAY LOSS.
10. OPTIONAL THERMOSTAT TERMINAL STRIP IS NOT PRESENT ON ALL MODELS.

20351601 REV. 2

COLOR CODE	
YL	YELLOW
OR	ORANGE
VT	VIOLET
GN	GREEN
BK	BLACK
LOW	VOLTAGE
---	LOW VOLTAGE
---	HI VOLTAGE
---	FIELD

Dry Coil Data (Horizontal)

PGA24C070/PGA30C070								
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

PGA36C070								
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

PGA36C090								
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

PGA42C090				
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

NR Not Recommended



CAUTION

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Dry Coil Data (Downshot)

PGA24C070/PGA30C070								
UNIT STATIC	LOW		MED-LOW		MED-HIGH		HIGH	
	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
0.1	960	53	1100	46	1260	41	1410	36
0.2	910	56	1070	48	1210	42	1350	38
0.3	860	59	1020	50	1140	45	1300	39
0.4	780	NR	950	54	1070	48	1230	42
0.5	720	NR	850	60	1000	51	1140	45
0.6	660	NR	780	NR	870	59	1020	50
0.7	590	NR	700	NR	780	NR	890	57
0.8	450	NR	610	NR	690	NR	810	NR

PGA36C070								
UNIT STATIC	LOW		MED-LOW		MED-HIGH		HIGH	
	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
0.1	950	54	1100	46	1250	41	1410	36
0.2	910	56	1050	49	1200	43	1350	38
0.3	850	60	1000	51	1140	45	1290	40
0.4	770	NR	910	56	1060	48	1220	42
0.5	710	NR	820	60	960	53	1130	45
0.6	650	NR	760	NR	860	59	1000	51
0.7	590	NR	690	NR	770	NR	890	57
0.8	460	NR	590	NR	690	NR	800	NR

PGA36C090								
UNIT STATIC	LOW		MED-LOW		MED-HIGH		HIGH	
	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
0.1	940	72	1090	63	1230	55	1400	49
0.2	900	75	1050	65	1180	58	1330	51
0.3	860	NR	990	69	1130	60	1270	54
0.4	770	NR	930	73	1050	65	1190	57
0.5	710	NR	820	NR	980	70	1130	60
0.6	640	NR	760	NR	860	NR	1030	66
0.7	550	NR	670	NR	770	NR	890	NR
0.8	470	NR	550	NR	660	NR	780	NR

PGA42C090				
UNIT STATIC	LOW		HIGH	
	CFM	RISE	CFM	RISE
0.1	1180	58	1370	50
0.2	1130	60	1310	52
0.3	1070	64	1240	55
0.4	1020	67	1160	59
0.5	900	NR	1100	62
0.6	830	NR	980	70
0.7	760	NR	870	NR
0.8	660	NR	780	NR

NR Not Recommended



CAUTION

THE INSTALLATION MUST BE ADJUSTED TO OBTAIN A TEMPERATURE RISE WITHIN THE RANGE LISTED ON THE UNIT NAMEPLATE.

PGA24C Cooling Performance Data



CAUTION

THE INSTALLATION MUST BE ADJUSTED TO OBTAIN A TEMPERATURE RISE **WITHIN** THE RANGE LISTED ON THE UNIT NAMEPLATE.

PGA24C***2F																									
		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	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
	AMPS	9.3	9.5	9.8	-	9.9	10.1	10.4	-	10.7	10.9	11.2	-	11.3	11.6	11.9	-	12.0	12.2	12.6	-	12.6	12.9	13.2	-
	HI PR	167	180	190	-	188	202	213	-	213	230	242	-	243	262	276	-	273	294	311	-	302	325	343	-
	LO PR	62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	87	-	78	83	90	-
	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
75	AMPS	9.2	9.4	9.7	-	9.9	10.1	10.4	-	10.6	10.8	11.1	-	11.2	11.5	11.8	-	11.9	12.1	12.5	-	12.5	12.8	13.1	-
	HI PR	166	178	188	-	186	200	211	-	211	227	240	-	241	259	273	-	271	291	308	-	299	322	340	-
	LO PR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-	77	82	89	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	AMPS	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.3	10.6	10.9	-	11.0	11.2	11.5	-	11.6	11.8	12.2	-	12.2	12.4	12.8	-
80	HI PR	161	173	182	-	180	194	205	-	205	221	233	-	233	251	265	-	263	283	298	-	290	312	330	-
	LO PR	60	63	69	-	63	67	73	-	65	70	76	-	69	73	80	-	72	77	84	-	75	79	87	-
	ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
	AMPS	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.9	10.8	11.0	11.3	11.7	11.4	11.7	12.0	12.4	12.1	12.3	12.7	13.1	12.7	13.0	13.4	13.8
	HI PR	169	182	192	200	190	204	215	225	216	232	245	255	245	264	279	291	276	297	314	327	305	328	347	362
75	LO PR	63	67	73	78	66	70	77	82	69	73	80	85	72	77	84	89	76	81	88	94	78	83	91	97
	ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	15	11	19	18	14	10
	AMPS	9.3	9.5	9.8	10.1	9.9	10.1	10.4	10.8	10.7	10.9	11.2	11.6	11.3	11.6	11.9	12.3	12.0	12.2	12.6	13.0	12.6	12.9	13.3	13.7
	HI PR	167	180	190	198	188	202	213	222	213	230	243	253	243	262	276	288	273	294	311	324	302	325	343	358
	LO PR	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96
70	ΔT	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	9.1	9.3	9.5	9.8	9.7	9.9	10.2	10.5	10.4	10.6	11.0	11.3	11.0	11.3	11.6	12.0	11.7	11.9	12.3	12.7	12.3	12.5	12.9	13.4
	HI PR	162	175	184	192	182	196	207	216	207	223	235	245	236	254	268	279	265	285	301	314	293	315	333	347
	LO PR	60	64	70	74	64	68	74	79	66	70	77	82	69	74	81	86	73	77	85	90	75	80	87	93
	80	ΔT	22	21	18	15	22	21	18	15	22	21	18	15	23	21	19	15	21	21	18	15	20	20	17
AMPS		9.4	9.6	9.9	10.2	10.1	10.3	10.6	10.9	10.9	11.1	11.4	11.8	11.5	11.8	12.1	12.5	12.2	12.4	12.8	13.2	12.8	13.1	13.5	13.9
HI PR		171	184	194	202	191	206	218	227	218	234	247	258	248	267	282	294	279	300	317	331	308	332	350	365
LO PR		63	67	74	78	67	71	78	83	70	74	81	86	73	78	85	90	77	81	89	95	79	84	92	98
ΔT		23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	21	18	14
70	AMPS	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.9	10.8	11.0	11.3	11.7	11.4	11.7	12.0	12.4	12.1	12.3	12.7	13.1	12.7	13.0	13.4	13.8
	HI PR	169	182	192	200	190	204	215	225	216	232	245	255	246	264	279	291	276	297	314	327	305	328	347	362
	LO PR	63	67	73	78	66	70	77	82	69	73	80	85	72	77	84	89	76	81	88	94	78	83	91	97
	ΔT	23	22	19	15	23	22	20	16	23	22	20	16	24	23	20	16	23	22	19	16	22	21	18	14
	AMPS	9.2	9.3	9.6	9.9	9.8	10.0	10.3	10.6	10.5	10.7	11.0	11.4	11.1	11.4	11.7	12.1	11.8	12.0	12.4	12.8	12.4	12.6	13.0	13.5
700	HI PR	164	176	186	194	184	198	209	218	209	225	238	248	238	256	271	282	268	288	304	318	296	319	336	351
	LO PR	61	65	71	75	64	68	75	79	67	71	78	83	70	75	81	87	74	78	85	91	76	81	88	94

*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.

PGA30C Cooling Performance Data



THE INSTALLATION MUST BE ADJUSTED TO OBTAIN A TEMPERATURE RISE **WITHIN** THE RANGE LISTED ON THE UNIT NAMEPLATE.

PGA30C***2F																															
Outdoor Ambient Temperature (°F)																															
65758595105115																															
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	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-		
	AMPS	10.6	10.9	11.2	-	11.4	11.6	12.0	-	12.2	12.5	12.9	-	13.0	13.3	13.7	-	13.7	14.0	14.4	-	13.7	14.0	14.4	-	14.4	14.8	15.2	-		
	HI PR	176	190	200	-	198	213	225	-	225	242	256	-	256	276	291	-	288	310	328	-	288	310	328	-	318	343	362	-		
	LO PR	60	64	70	-	64	68	74	-	66	71	77	-	70	74	81	-	73	78	85	-	73	78	85	-	76	80	88	-		
	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	18	15	12	-	17	14	11	-		
75	AMPS	10.6	10.8	11.1	-	11.3	11.6	11.9	-	12.2	12.4	12.8	-	12.9	13.2	13.6	-	13.6	13.9	14.4	-	13.6	13.9	14.4	-	14.4	14.7	15.1	-		
	HI PR	175	188	199	-	196	211	223	-	223	240	254	-	254	274	289	-	286	308	325	-	286	308	325	-	316	340	359	-		
	LO PR	60	64	70	-	63	67	74	-	66	70	77	-	69	74	80	-	73	77	84	-	73	77	84	-	75	80	87	-		
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-		
	AMPS	10.4	10.7	11.0	-	11.2	11.4	11.7	-	12.0	12.3	12.6	-	12.7	13.0	13.4	-	13.4	13.7	14.2	-	13.4	13.7	14.2	-	14.2	14.5	14.9	-		
80	HI PR	172	185	196	-	193	208	219	-	220	236	250	-	250	269	284	-	281	303	320	-	281	303	320	-	311	335	353	-		
	LO PR	59	63	68	-	62	66	72	-	65	69	75	-	68	72	79	-	71	76	83	-	71	76	83	-	74	78	86	-		
	ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10		
	AMPS	10.7	10.9	11.3	11.6	11.5	11.7	12.0	12.4	12.3	12.6	13.0	13.4	13.1	13.4	13.8	14.2	13.8	14.1	14.6	15.1	14.6	14.9	15.3	15.8	14.6	14.9	15.3	15.9		
	HI PR	178	192	202	211	200	215	227	237	227	245	258	269	259	279	294	307	291	313	331	345	322	346	366	381	322	346	366	381		
75	LO PR	61	65	71	75	64	69	75	80	67	71	78	83	70	75	82	87	74	78	86	91	76	81	89	94	76	81	89	94		
	ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	20	19	15	11	19	18	14	10		
	AMPS	10.7	10.9	11.2	11.6	11.4	11.6	12.0	12.4	12.3	12.5	12.9	13.3	13.0	13.3	13.7	14.1	13.8	14.1	14.5	15.0	14.5	14.8	15.3	15.8	14.5	14.8	15.3	15.8		
	HI PR	177	190	201	210	198	214	225	235	226	243	256	267	257	277	292	305	289	311	329	343	319	344	363	379	319	344	363	379		
	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	76	81	88	94		
75	ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	22	20	16	11	20	19	15	11		
	AMPS	10.5	10.7	11.0	11.4	11.3	11.5	11.8	12.2	12.1	12.4	12.7	13.1	12.8	13.1	13.5	13.9	13.6	13.9	14.3	14.8	14.3	14.6	15.0	15.6	14.3	14.6	15.0	15.6		
	HI PR	174	187	198	206	195	210	222	231	222	239	252	263	253	272	287	299	284	306	323	337	314	338	357	372	314	338	357	372		
	LO PR	60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	87	92	74	79	87	92		
	80	ΔT	22	21	18	15	22	21	18	15	22	21	18	15	22	21	19	15	21	21	18	15	21	21	18	15	19	20	17	14	
AMPS		10.8	11.0	11.3	11.7	11.6	11.8	12.1	12.5	12.4	12.7	13.1	13.5	13.2	13.5	13.9	14.4	13.9	14.3	14.7	15.2	14.7	15.0	15.5	16.0	14.7	15.0	15.5	16.0		
HI PR		180	194	204	213	202	217	229	239	230	247	261	272	261	281	297	310	294	316	334	349	325	350	369	385	325	350	369	385		
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	77	82	90	95		
ΔT		23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	20	18	14	21	20	18	14		
80	AMPS	10.7	11.0	11.3	11.6	11.5	11.7	12.1	12.5	12.4	12.6	13.0	13.4	13.1	13.4	13.8	14.3	13.9	14.2	14.6	15.1	14.6	14.9	15.4	15.9	14.6	14.9	15.4	15.9		
	HI PR	179	192	203	212	200	216	228	238	228	245	259	270	260	279	295	308	292	314	332	346	323	347	367	382	323	347	367	382		
	LO PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	87	74	79	86	92	77	81	89	95	77	81	89	95		
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	19	15	23	22	19	15		
	AMPS	10.6	10.8	11.1	11.5	11.3	11.6	11.9	12.3	12.2	12.5	12.8	13.2	12.9	13.2	13.6	14.1	13.7	14.0	14.4	14.9	14.4	14.7	15.2	15.7	14.4	14.7	15.2	15.7		
900	HI PR	176	189	200	208	197	212	224	233	224	241	255	266	255	275	290	302	287	309	326	340	317	341	360	376	317	341	360	376		
	LO PR	60	64	70	74	64	68	74	79	66	70	77	82	69	74	81	86	73	77	84	90	75	80	87	93	75	80	87	93		
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	19	15	23	22	19	15		

PGA36C Cooling Performance Data



THE INSTALLATION MUST BE ADJUSTED TO OBTAIN A TEMPERATURE RISE **WITHIN** THE RANGE LISTED ON THE UNIT NAMEPLATE.

PGA36C***2F																									
		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	ΔT	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	17	15	11	-	16	14	11	-
	AMPS	12.2	12.4	12.8	-	13.0	13.3	13.6	-	14.0	14.3	14.7	-	14.8	15.1	15.6	-	15.7	16.0	16.5	-	16.5	16.8	17.4	-
	HI PR	174	188	198	-	196	211	222	-	223	239	253	-	253	273	288	-	285	307	324	-	315	339	358	-
	LO PR	64	68	74	-	67	72	78	-	70	75	81	-	74	78	86	-	77	82	90	-	80	85	93	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
75	AMPS	12.1	12.4	12.7	-	13.0	13.2	13.6	-	13.9	14.2	14.6	-	14.8	15.1	15.5	-	15.6	16.0	16.4	-	16.4	16.8	17.3	-
	HI PR	174	187	198	-	195	210	222	-	222	239	252	-	253	272	287	-	284	306	323	-	314	338	357	-
	LO PR	64	68	74	-	67	72	78	-	70	74	81	-	73	78	85	-	77	82	89	-	80	85	92	-
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
	AMPS	12.0	12.2	12.6	-	12.8	13.1	13.4	-	13.7	14.0	14.4	-	14.6	14.9	15.3	-	15.4	15.7	16.2	-	16.2	16.6	17.1	-
80	HI PR	171	184	194	-	192	206	218	-	218	235	248	-	248	267	282	-	279	301	318	-	309	332	351	-
	LO PR	63	67	73	-	66	70	77	-	69	73	80	-	72	77	84	-	76	80	88	-	78	83	91	-
	ΔT	20	18	15	10	20	18	15	10	20	19	15	10	20	19	15	11	20	18	15	10	19	17	14	10
	AMPS	12.3	12.5	12.9	13.3	13.1	13.4	13.8	14.2	14.1	14.4	14.8	15.3	14.9	15.2	15.7	16.2	15.8	16.1	16.6	17.2	16.6	17.0	17.5	18.1
	HI PR	176	190	200	209	198	213	225	234	225	242	255	266	256	276	291	303	288	310	327	341	318	342	362	377
75	LO PR	64	69	75	80	68	72	79	84	71	75	82	88	74	79	86	92	78	83	91	96	81	86	94	100
	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
	AMPS	12.2	12.5	12.8	13.2	13.1	13.3	13.7	14.2	14.1	14.4	14.8	15.3	14.9	15.2	15.7	16.2	15.7	16.1	16.6	17.1	16.6	16.9	17.5	18.1
	HI PR	176	189	200	208	197	212	224	234	224	241	255	266	255	275	290	303	287	309	326	340	317	341	361	376
	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
75	ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	11	22	20	16	11	20	19	15	11
	AMPS	12.1	12.3	12.7	13.1	12.9	13.2	13.5	14.0	13.9	14.2	14.6	15.0	14.7	15.0	15.5	16.0	15.5	15.9	16.3	16.9	16.3	16.7	17.2	17.8
	HI PR	173	186	196	205	194	208	220	230	220	237	250	261	251	270	285	297	282	304	321	335	312	336	354	370
	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
	ΔT	22	21	18	15	22	21	19	15	22	21	19	15	22	22	19	15	21	21	19	15	20	20	17	14
80	AMPS	12.3	12.6	13.0	13.4	13.2	13.5	13.9	14.3	14.2	14.5	14.9	15.4	15.1	15.4	15.8	16.4	15.9	16.3	16.8	17.3	16.8	17.1	17.7	18.3
	HI PR	178	191	202	211	200	215	227	237	227	244	258	269	259	278	294	307	291	313	331	345	321	346	365	381
	LO PR	65	69	76	81	69	73	80	85	72	76	83	88	75	80	87	93	79	84	91	97	81	87	95	101
	ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	21	21	18	15
	AMPS	12.3	12.6	12.9	13.3	13.2	13.5	13.8	14.3	14.2	14.5	14.9	15.4	15.0	15.3	15.8	16.3	15.9	16.2	16.7	17.3	16.7	17.1	17.6	18.2
80	HI PR	177	191	202	210	199	214	226	236	226	244	257	268	258	277	293	306	290	312	330	344	320	345	364	380
	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
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	25	24	21	16	24	23	20	16	23	22	19	15
	AMPS	12.2	12.4	12.8	13.2	13.0	13.3	13.6	14.1	14.0	14.3	14.7	15.2	14.8	15.1	15.6	16.1	15.7	16.0	16.5	17.0	16.5	16.8	17.4	18.0
	HI PR	174	188	198	207	196	211	222	232	223	239	253	264	253	273	288	300	285	307	324	338	315	339	358	373
80	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.

PGA42C Cooling Performance Data



CAUTION

THE INSTALLATION MUST BE ADJUSTED TO OBTAIN A TEMPERATURE RISE **WITHIN** THE RANGE LISTED ON THE UNIT NAMEPLATE.

		PGA42C***2F																								
		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	
		ΔT	19	16	12	-	19	16	13	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		AMPS	14.3	14.6	15.0	-	15.3	15.6	16.1	-	16.4	16.8	17.3	-	17.4	17.8	18.3	-	18.4	18.8	19.4	-	19.4	19.8	20.4	-
		HI PR	178	191	202	-	200	215	227	-	227	244	258	-	259	278	294	-	291	313	331	-	321	346	365	-
70	LO PR	62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	87	-	78	83	90	-	
	ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	
	AMPS	14.3	14.6	15.0	-	15.3	15.6	16.0	-	16.4	16.8	17.2	-	17.4	17.8	18.3	-	18.4	18.8	19.3	-	19.4	19.8	20.4	-	
	HI PR	177	191	202	-	199	214	226	-	226	244	257	-	258	277	293	-	290	312	330	-	321	345	364	-	
	LO PR	62	66	72	-	66	70	76	-	68	72	79	-	72	76	83	-	75	80	87	-	78	83	90	-	
75	ΔT	20	17	13	-	20	18	13	-	20	18	13	-	21	18	13	-	20	18	13	-	19	16	12	-	
	AMPS	14.1	14.4	14.8	-	15.1	15.4	15.8	-	16.2	16.5	17.0	-	17.2	17.5	18.0	-	18.1	18.5	19.1	-	19.1	19.5	20.1	-	
	HI PR	174	188	198	-	196	211	222	-	223	239	253	-	253	273	288	-	285	307	324	-	315	339	358	-	
	LO PR	61	65	71	-	64	69	75	-	67	71	78	-	70	75	82	-	74	78	86	-	76	81	89	-	
	75	ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	17	11	20	19	15	11
AMPS		14.4	14.7	15.1	15.6	15.4	15.7	16.2	16.7	16.6	16.9	17.4	18.0	17.6	18.0	18.5	19.1	18.6	19.0	19.6	20.2	19.6	20.0	20.6	21.3	
HI PR		180	193	204	213	202	217	229	239	229	247	261	272	261	281	297	310	294	316	334	348	325	349	369	385	
LO PR		63	67	73	78	66	71	77	82	69	73	80	85	72	77	84	90	76	81	88	94	79	84	91	97	
ΔT		23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	20	16	11	
75	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	20.6	21.3	
	HI PR	179	193	204	212	201	216	229	238	229	246	260	271	260	280	296	309	293	315	333	347	324	348	368	384	
	LO PR	63	67	73	78	66	70	77	82	69	73	80	85	72	77	84	89	76	81	88	94	78	83	91	97	
	ΔT	23	21	18	12	24	22	18	12	24	22	18	12	24	22	18	12	23	22	18	12	22	20	16	11	
	AMPS	14.2	14.5	14.9	15.4	15.2	15.5	15.9	16.5	16.3	16.7	17.1	17.7	17.3	17.7	18.2	18.8	18.3	18.7	19.2	19.9	19.2	19.7	20.3	21.0	
75	HI PR	176	190	200	209	198	213	225	234	225	242	255	266	256	276	291	303	288	310	327	341	318	343	362	377	
	LO PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	74	79	86	92	77	82	89	95	
	80	ΔT	24	23	20	16	25	24	20	16	24	24	20	16	23	24	21	16	22	23	20	16	21	21	19	15
		AMPS	14.5	14.8	15.3	15.7	15.5	15.9	16.3	16.9	16.7	17.1	17.6	18.2	17.7	18.1	18.6	19.3	18.7	19.1	19.7	20.4	19.7	20.2	20.8	21.5
		HI PR	182	195	206	215	204	219	232	241	232	249	263	275	264	284	300	313	297	320	337	352	328	353	373	389
LO PR		63	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	84	92	98	
ΔT		25	24	21	17	26	25	21	17	26	25	21	17	25	25	22	17	24	24	21	17	22	22	20	16	
80	AMPS	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	19.7	20.3	19.7	20.1	20.7	21.4	
	HI PR	181	195	206	215	203	219	231	241	231	249	263	274	263	283	299	312	296	319	336	351	327	352	372	388	
	LO PR	63	67	74	78	67	71	78	83	70	74	81	86	73	78	85	90	77	81	89	95	79	84	92	98	
	ΔT	26	25	22	17	26	25	22	18	26	25	22	18	26	25	22	18	25	25	22	17	23	23	20	16	
	AMPS	14.3	14.6	15.0	15.5	15.3	15.6	16.1	16.6	16.4	16.8	17.3	17.9	17.4	17.8	18.3	19.0	18.4	18.8	19.4	20.1	19.4	19.8	20.4	21.1	
80	HI PR	178	191	202	211	200	215	227	237	227	244	258	269	259	278	294	307	291	313	331	345	321	346	365	381	
	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	