



Air Conditioning & Heating

GPC14H

2- TO 5-TON PACKAGED AIR CONDITIONER UP TO 14 SEER

COOLING CAPACITY: 24,000 - 57,500 BTU/H

Contents

Nomenclature	2
Product Specifications	3
Expanded Cooling Data	5
Airflow Data	17
Heater Kit Specifications	19
Wiring Diagram.....	21
Dimensions	22
Accessories	23



Standard Features

- Energy-efficient compressor with internal relief valve
- EEM blower motor
- Quiet horizontal discharge
- Copper tube / aluminum fin condenser coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged system
- 5 kW to 20 kW electric heat kit available as a field-installed option
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish
- Fully insulated blower compartment with convenient access panels
- Louvered condenser coil protection
- One footprint; three heights



* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec.

NOMENCLATURE

	G		P		C		14		36		H		4		1		A		*		
	1		2		3		4,5		6,7		8		9		10		11		12		
Brand	G Goodman or Distinctions™																			Engineering	Minor Revision
Product Category	P Packaged Unit																			Engineering	Major Revision
Type	H Heat Pump C Air Conditioner																			Voltage Designator	1 208-230/1/60 3 208-230/3/60
Efficiency	13 13 SEER 15 15 SEER 14 14 SEER 16 16 SEER																			Refrigerant	4 R-410A
Nominal Capacity	24 2 Tons 42 3½ Tons 30 2½ tons 48 4 Tons 36 3 Tons 60 5 Tons																			Configuration	H Horizontal M Multi-position



SPECIFICATIONS

	GPC14 24H41C*	GPC14 24H41D*	GPC14 30H41C*	GPC14 30H41D*	GPC14 36H41C*	GPC14 36H41D*
COOLING CAPACITY						
Cooling Capacity (BTU/h)	23,600	23,600	28,400	28,400	35,600	35,600
Sensible BTU/h	17,700	17,700	21,600	21,600	27,100	27,100
SEER / EER	14.0 / 12.0	14.0 / 12.0	14.0 / 12.0	14.0 / 12.0	14.0 / 12.0	14.0 / 12.0
Decibels	76	76	76	76	78	78
AHRI Numbers	5732583	6892353	5677886	6892355	5677887	6892357
EVAPORATOR MOTOR						
Type	EEM	EEM	EEM	EEM	EEM	EEM
Wheel (D x W)	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8
Cooling CFM	875	875	1,050	1,050	1,200	1,200
Fan-Only CFM	800	800	950	950	1,100	1,100
RLA	1.5	1.5	1.86	1.86	1.86	1.86
No. of Speeds	5	5	5	5	5	5
Horsepower - RPM	½ - 1050	½ - 1050	½ - 1050	½ - 1050	½ - 1050	½ - 1050
EVAPORATOR COIL						
Face Area (ft ²)	4.66	4.66	5.25	5.25	5.25	5.25
Rows Deep/ Fins per Inch	3/ 16	3/ 16	3/ 16	3/ 16	3/ 14	3/ 14
Indoor Orifice Size	0.057	0.057	0.062	0.062	0.068	0.068
Filter Size (")	20 x 20 x 1	20 x 20 x 1	20 x 25 x 1	20 x 25 x 1	25 x 25 x 1	25 x 25 x 1
All-aluminum coil	X	X	X	X	X	X
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	60	60	61	61	65	65
CONDENSER FAN / COIL						
Horsepower - RPM	1/6 - 815	1/6 - 815	1/6 - 815	1/6 - 815	¼ - 830	¼ - 830
RLA/LRA	1.1 / 1.7	1.1 / 1.7	1.1 / 1.7	1.1 / 1.7	1.5 / 3.0	1.5 / 3.0
Fan Diameter/ # Fan Blades	22 / 2	22 / 2	22 / 2	22 / 2	22 / 3	22 / 3
Face Area (ft ²)	12.3	12.3	12.3	12.3	12.3	12.3
Rows Deep/ Fins per Inch	1 / 26	1 / 26	1 / 26	1 / 26	1 / 26	1 / 26
COMPRESSOR						
Quantity / Type	1 / Rotary	1 / Rotary	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll
Stage	Single	Single	Single	Single	Single	Single
Compressor RLA/LRA	7.7/37	7.7/37	12.8 / 64	12.8 / 64	16.7 / 79	16.7 / 79
ELECTRICAL DATA						
Voltage-Phase (60 Hz)	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1
Indoor Blower FLA	1.5	3.8	1.86	3.8	1.86	3.8
Outdoor Fan RLA	1.1	1.1	1.1	1.1	1.5	1.5
Total Unit Amps	10.3	12.6	15.76	17.7	20.06	22
Min. Circuit Ampacity ¹	12.2	15	19	21	24.2	26
Max. Overcurrent Protection (amps) ²	15	20	30	30	40	40
SHIP WEIGHT (LBS)	305	305	310	310	315	315
OPERATING WEIGHT (LBS)	310	310	315	315	320	320

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

SPECIFICATIONS (CONT.)

	GPC14 42H41C*	GPC14 42H41D*	GPC14 48H41C*	GPC14 48H41D*	GPC14 60H41C*	GPC14 60H41D*
COOLING CAPACITY						
Cooling Capacity (BTU/h)	40,000	40,000	46,000	46,000	57,500	57,500
Sensible BTU/h	30,400	30,400	35,300	35,300	40,800	40,800
SEER / EER	14.0 / 12.0	14.0 / 12.0	14.0 / 12.0	14.0 / 12.0	14.0 / 12.0	14.0 / 12.0
Decibels	78	78	80	80	80	80
AHRI Numbers	5677888	6892358	5677889	6892361	5677890	6892362
EVAPORATOR MOTOR						
Type	EEM	EEM	EEM	EEM	EEM	EEM
Wheel (D x W)	10 x 8	10 x 8	10 x 8	10 x 8	11 x 8	11 x 8
Cooling CFM	1,200	1,200	1,600	1,600	1,600	1,600
Fan-Only CFM	1,200	1,200	1,400	1,400	1,700	1,700
RLA	2.9	2.9	2.9	2.9	2.9	2.9
No. of Speeds	5	5	5	5	5	5
Horsepower - RPM	½ - 1050	½ - 1050	¾ - 1050	¾ - 1050	¾ - 1050	¾ - 1050
EVAPORATOR COIL						
Face Area (ft ²)	6.2	6.20	6.2	6.20	7	7.00
Rows Deep/ Fins per Inch	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14
Indoor Orifice Size	0.072	0.072	0.078	0.078	0.086	0.086
Filter Size (")	(2) 20 x 20 x 1	(2) 20 x 20 x 1	(2) 20 x 20 x 1	(2) 20 x 20 x 1	(2) 20 x 25 x 1	(2) 20 x 25 x 1
All-aluminum coil	X	X	X	X	X	X
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	94	94	90	90	110	110
CONDENSER FAN / COIL						
Horsepower - RPM	¼ - 1075	¼ - 1075	¼ - 1075	¼ - 1075	¼ - 1075	¼ - 1075
RLA/LRA	1.4 / 2.9	1.4 / 2.9	1.4 / 2.9	1.4 / 2.9	1.4 / 2.9	1.4 / 2.9
Fan Diameter / # Fan Blades	22 / 4	22 / 4	22 / 4	22 / 4	22 / 4	22 / 4
Face Area (ft ²)	16	16	19.5	19.5	17	17
Rows Deep/ Fins per Inch	1 / 28	1 / 28	1 / 28	1 / 28	2 / 28	2 / 28
COMPRESSOR						
Quantity / Type	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll
Stage	Single	Single	Single	Single	Single	Single
Compressor RLA/LRA	17.9 / 112	17.9 / 112	19.9 / 109	19.9 / 109	26.4 / 134	26.4 / 134
ELECTRICAL DATA						
Voltage-Phase (60 Hz)	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1
Indoor Blower FLA	2.9	3.8	2.9	5.4	2.9	5.4
Outdoor Fan RLA	1.4	1.4	1.4	1.4	1.4	1.4
Total Unit Amps	22.2	23.1	24.2	26.7	30.7	33.2
Min. Circuit Ampacity ¹	26.6	28	29.1	32	37.3	40
Max. Overcurrent Protection (amps) ²	40	45	45	50	60	60
SHIP WEIGHT (LBS)	360	360	370	370	375	375
OPERATING WEIGHT (LBS)	365	365	375	375	380	380

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

EXPANDED COOLING DATA — GPC1430H41** (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65				75				85				95				105				115			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
1145	MBh	28.8	29.4	31.4	33.6	28.1	28.7	30.7	32.8	27.5	28.1	30.0	32.1	26.8	27.4	29.3	31.3	25.5	26.0	27.8	29.7	23.6	24.1	25.7	27.5
	S/T	0.92	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.61
	Δ T	21	20	18	14	22	21	18	14	22	21	18	14	22	21	18	15	20	21	18	14	19	19	17	13
	kW	1.78	1.81	1.87	1.94	1.92	1.96	2.03	2.09	2.04	2.09	2.16	2.23	2.15	2.20	2.28	2.36	2.25	2.30	2.38	2.46	2.33	2.38	2.46	2.55
	Amps	8.0	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	10.3	10.6	10.3	10.6	10.9	11.2	10.9	11.1	11.4	11.8
1020	MBh	28.0	28.6	30.5	32.6	27.3	27.9	29.8	31.9	26.7	27.2	29.1	31.1	26.0	26.6	28.4	30.4	24.7	25.3	27.0	28.8	22.9	23.4	25.0	26.7
	S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
	Δ T	22	21	19	15	22	22	19	15	23	22	19	15	23	22	19	15	22	21	19	15	21	20	17	14
	kW	1.76	1.80	1.86	1.92	1.90	1.94	2.01	2.08	2.03	2.07	2.14	2.21	2.14	2.18	2.26	2.34	2.23	2.28	2.36	2.44	2.31	2.36	2.44	2.53
	Amps	8.0	8.1	8.4	8.6	8.5	8.7	9.0	9.2	9.2	9.4	9.6	9.9	9.7	9.9	10.2	10.5	10.2	10.5	10.8	11.1	10.8	11.0	11.3	11.7
900	MBh	26.6	27.1	29.0	31.0	25.9	26.5	28.3	30.3	25.3	25.9	27.7	29.6	24.7	25.3	27.0	28.8	23.5	24.0	25.6	27.4	21.7	22.2	23.7	25.4
	S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55
	Δ T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	16	23	22	19	15	22	21	18	14
	kW	1.73	1.77	1.83	1.89	1.87	1.91	1.97	2.04	1.99	2.04	2.10	2.18	2.10	2.15	2.22	2.30	2.19	2.24	2.32	2.40	2.27	2.32	2.40	2.48
	Amps	7.9	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.2	9.5	9.8	9.5	9.8	10.0	10.4	10.1	10.3	10.6	11.0	10.6	10.8	11.2	11.5
1145	MBh	29.3	29.9	31.3	33.4	28.6	29.2	30.6	32.6	27.9	28.5	29.8	31.8	27.3	27.8	29.1	31.1	25.9	26.4	27.7	29.5	24.0	24.5	25.6	27.3
	S/T	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
	Δ T	23	22	21	18	23	23	21	19	22	23	21	19	22	22	22	19	21	21	21	18	19	20	20	17
	kW	1.79	1.83	1.89	1.95	1.93	1.98	2.04	2.11	2.06	2.11	2.18	2.25	2.17	2.22	2.30	2.38	2.27	2.32	2.40	2.48	2.35	2.40	2.49	2.57
	Amps	8.1	8.3	8.5	8.8	8.7	8.8	9.1	9.4	9.3	9.5	9.8	10.1	9.9	10.1	10.4	10.7	10.4	10.6	11.0	11.3	11.0	11.2	11.5	11.9
1020	MBh	28.5	29.0	30.4	32.4	27.8	28.3	29.7	31.7	27.1	27.7	29.0	30.9	26.5	27.0	28.3	30.1	25.1	25.6	26.8	28.6	23.3	23.7	24.9	26.5
	S/T	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.98	0.95	0.86	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.92	0.75
	Δ T	24	23	22	19	24	24	22	19	24	24	22	19	24	24	22	19	23	23	22	19	21	21	21	18
	kW	1.78	1.81	1.87	1.94	1.92	1.96	2.03	2.09	2.04	2.09	2.16	2.23	2.15	2.20	2.28	2.36	2.25	2.30	2.38	2.46	2.33	2.38	2.46	2.55
	Amps	8.0	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	10.3	10.6	10.3	10.6	10.9	11.2	10.9	11.1	11.4	11.8
900	MBh	27.0	27.6	28.9	30.8	26.4	26.9	28.2	30.1	25.8	26.3	27.5	29.4	25.1	25.6	26.8	28.6	23.9	24.4	25.5	27.2	22.1	22.6	23.6	25.2
	S/T	0.89	0.85	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	0.98	0.88	0.72
	Δ T	24	24	23	20	25	24	23	20	25	24	23	20	25	25	23	20	24	24	23	20	23	23	21	18
	kW	1.75	1.78	1.84	1.90	1.89	1.93	1.99	2.06	2.01	2.05	2.12	2.19	2.12	2.16	2.24	2.32	2.21	2.26	2.34	2.42	2.29	2.34	2.42	2.51
	Amps	7.9	8.1	8.3	8.6	8.5	8.6	8.9	9.2	9.1	9.3	9.5	9.9	9.6	9.8	10.1	10.5	10.2	10.4	10.7	11.0	10.7	10.9	11.3	11.6

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects AHRI (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = total system power

EXPANDED COOLING DATA — GPC1442H41**

IDB		OUTDOOR AMBIENT TEMPERATURE																									
		65				75				85				95				105				115					
		ENTERING INDOOR WET BULB TEMPERATURE																									
		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	1432	MBh	39.8	41.3	45.2	-	38.0	39.3	43.1	-	37.0	38.4	42.0	-	35.2	36.5	39.9	-	32.6	33.8	37.0	-	32.6	33.8	37.0	-	
		S/T	0.72	0.60	0.42	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-	
		Δ T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-	
	1274	kW	2.68	2.74	2.82	-	2.89	2.95	3.04	-	3.07	3.14	3.24	-	3.37	3.44	3.56	-	3.48	3.56	3.68	-	3.48	3.56	3.68	-	
		Amps	11.4	11.7	12.0	-	12.3	12.6	13.0	-	13.3	13.6	14.0	-	15.1	15.4	15.9	-	15.9	16.3	16.8	-	15.9	16.3	16.8	-	
		HIPR	241	260	274	-	271	291	308	-	308	331	350	-	395	425	448	-	436	469	495	-	436	469	495	-	
	1116	LO PR	109	116	127	-	115	122	134	-	120	127	139	-	132	140	153	-	136	145	158	-	136	145	158	-	
		MBh	38.6	40.1	43.9	-	37.7	39.1	42.9	-	36.8	38.2	41.8	-	34.1	35.4	38.8	-	31.6	32.8	35.9	-	31.6	32.8	35.9	-	
		S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-	
	75	1432	Δ T	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	18	16	12	-
			kW	2.66	2.72	2.80	-	2.86	2.92	3.02	-	3.04	3.11	3.21	-	3.34	3.41	3.53	-	3.45	3.53	3.65	-	3.45	3.53	3.65	-
			Amps	11.3	11.6	11.9	-	12.2	12.5	12.9	-	13.2	13.5	13.9	-	14.9	15.3	15.8	-	15.8	16.1	16.7	-	15.8	16.1	16.7	-
1116		HIPR	239	257	272	-	268	289	305	-	305	328	346	-	391	420	444	-	432	465	491	-	432	465	491	-	
		LO PR	108	115	125	-	114	121	132	-	118	126	138	-	130	139	151	-	135	144	157	-	135	144	157	-	
		MBh	35.7	37.0	40.5	-	34.8	36.1	39.6	-	34.0	35.2	38.6	-	31.5	32.7	35.8	-	29.2	30.3	33.2	-	29.2	30.3	33.2	-	
75		1432	S/T	0.66	0.55	0.38	-	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-	0.76	0.64	0.44	-
			Δ T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	18	16	12	-
			kW	2.70	2.76	2.85	2.94	2.91	2.97	3.07	3.17	3.09	3.16	3.27	3.37	3.26	3.33	3.44	3.55	3.39	3.47	3.59	3.71	3.51	3.59	3.71	3.84
		1116	Amps	11.5	11.8	12.2	12.6	12.4	12.7	13.1	13.6	13.4	13.7	14.2	14.7	14.3	14.6	15.1	15.7	15.2	15.5	16.0	16.6	16.1	16.4	17.0	17.6
			HIPR	244	262	277	289	274	294	311	324	311	335	354	369	354	381	403	420	399	429	453	472	440	474	501	522
			LO PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	147	157	133	142	155	165	138	146	160	170
	75	1432	MBh	39.3	40.5	43.8	47.0	38.4	39.5	42.8	45.9	37.5	38.6	41.8	44.8	36.6	37.6	40.7	43.7	34.7	35.8	38.7	41.5	32.2	33.1	35.9	38.5
			S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
			Δ T	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11
		1116	kW	2.68	2.74	2.82	2.91	2.89	2.95	3.04	3.14	3.07	3.14	3.24	3.35	3.23	3.30	3.41	3.52	3.37	3.44	3.56	3.68	3.48	3.56	3.68	3.81
			Amps	11.4	11.7	12.0	12.5	12.3	12.6	13.0	13.4	13.3	13.6	14.0	14.6	14.2	14.5	15.0	15.5	15.1	15.4	15.9	16.5	15.9	16.3	16.8	17.4
			HIPR	241	260	274	286	271	291	308	321	308	331	350	365	351	378	399	416	395	425	449	468	436	469	496	517
75		1432	LO PR	109	116	127	135	115	123	134	142	120	127	139	148	126	134	146	156	132	140	153	163	136	145	158	169
			MBh	36.3	37.3	40.4	43.4	35.4	36.5	39.5	42.4	34.6	35.6	38.5	41.4	33.7	34.7	37.6	40.4	32.1	33.0	35.7	38.3	29.7	30.6	33.1	35.5
			S/T	0.75	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38
		1116	Δ T	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	20	16	11
			kW	2.62	2.67	2.76	2.84	2.82	2.88	2.97	3.07	2.99	3.06	3.16	3.26	3.15	3.22	3.32	3.44	3.28	3.35	3.47	3.58	3.40	3.47	3.59	3.71
			Amps	11.1	11.4	11.7	12.1	12.0	12.3	12.6	13.1	13.0	13.3	13.7	14.2	13.8	14.1	14.6	15.1	14.7	15.0	15.5	16.0	15.5	15.9	16.4	17.0
	1116	HIPR	234	252	266	277	263	283	299	311	299	322	340	354	340	366	387	403	383	412	435	454	423	455	481	501	
		LO PR	106	112	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	148	158	132	141	154	164	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects ACCA (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = total system power

EXPANDED COOLING DATA — GPC1448H41**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																													
		65					75					85					95					105					115				
		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	MIBh	46.1	47.8	52.4	-	-	45.1	46.7	51.2	-	-	44.0	45.6	49.9	-	-	42.9	44.5	48.7	-	-	40.8	42.2	46.3	-	-	37.8	39.1	42.9	-	-
	S/T	0.75	0.63	0.43	-	-	0.78	0.65	0.45	-	-	0.80	0.67	0.46	-	-	0.82	0.69	0.48	-	-	0.85	0.71	0.49	-	-	0.86	0.72	0.50	-	-
	ΔT	18	15	12	-	-	18	16	12	-	-	18	16	12	-	-	18	16	12	-	-	18	16	12	-	-	17	15	11	-	-
	kW	2.39	2.46	2.55	-	-	2.63	2.70	2.80	-	-	2.83	2.91	3.02	-	-	3.01	3.09	3.22	-	-	3.17	3.25	3.38	-	-	3.30	3.39	3.52	-	-
	Amps	13.2	13.4	13.8	-	-	14.1	14.4	14.8	-	-	15.2	15.5	16.0	-	-	16.1	16.5	17.0	-	-	17.1	17.4	18.0	-	-	18.0	18.4	19.0	-	-
	HI PR	232	250	264	-	-	261	281	296	-	-	297	319	337	-	-	338	364	384	-	-	380	409	432	-	-	420	452	477	-	-
	LO PR	111	118	129	-	-	117	125	136	-	-	122	129	141	-	-	128	136	148	-	-	134	143	156	-	-	139	147	161	-	-
	MIBh	44.8	46.4	50.9	-	-	43.7	45.3	49.7	-	-	42.7	44.3	48.5	-	-	41.7	43.2	47.3	-	-	39.6	41.0	44.9	-	-	36.7	38.0	41.6	-	-
	S/T	0.72	0.60	0.41	-	-	0.74	0.62	0.43	-	-	0.76	0.64	0.44	-	-	0.79	0.66	0.45	-	-	0.81	0.68	0.47	-	-	0.82	0.69	0.48	-	-
	ΔT	19	16	12	-	-	19	16	12	-	-	19	16	12	-	-	19	16	12	-	-	19	16	12	-	-	18	15	12	-	-
	kW	2.37	2.43	2.53	-	-	2.60	2.67	2.78	-	-	2.80	2.88	2.99	-	-	2.98	3.06	3.19	-	-	3.14	3.22	3.35	-	-	3.27	3.36	3.49	-	-
	Amps	13.1	13.3	13.7	-	-	14.0	14.3	14.7	-	-	15.1	15.4	15.9	-	-	16.0	16.3	16.8	-	-	16.9	17.3	17.8	-	-	17.8	18.2	18.8	-	-
	HI PR	230	248	262	-	-	258	278	293	-	-	294	316	334	-	-	335	360	380	-	-	376	405	428	-	-	416	447	473	-	-
	LO PR	110	117	127	-	-	116	123	135	-	-	120	128	140	-	-	127	135	147	-	-	133	141	154	-	-	137	146	159	-	-
	MIBh	41.3	42.8	46.9	-	-	40.4	41.8	45.8	-	-	39.4	40.8	44.8	-	-	38.5	39.9	43.7	-	-	36.5	37.9	41.5	-	-	33.8	35.1	38.4	-	-
	S/T	0.69	0.58	0.40	-	-	0.72	0.60	0.41	-	-	0.73	0.61	0.42	-	-	0.76	0.63	0.44	-	-	0.79	0.66	0.45	-	-	0.79	0.66	0.46	-	-
	ΔT	19	16	12	-	-	19	17	13	-	-	19	17	13	-	-	19	17	13	-	-	19	16	13	-	-	18	15	12	-	-
	kW	2.30	2.36	2.45	-	-	2.52	2.59	2.69	-	-	2.72	2.79	2.90	-	-	2.89	2.97	3.09	-	-	3.04	3.12	3.25	-	-	3.17	3.26	3.38	-	-
	Amps	12.7	13.0	13.4	-	-	13.6	13.9	14.3	-	-	14.7	15.0	15.5	-	-	15.6	15.9	16.4	-	-	16.5	16.9	17.4	-	-	17.4	17.8	18.3	-	-
	HI PR	223	240	254	-	-	251	270	285	-	-	285	307	324	-	-	324	349	369	-	-	365	393	415	-	-	403	434	458	-	-
	LO PR	106	113	124	-	-	112	120	131	-	-	117	124	136	-	-	123	131	143	-	-	129	137	149	-	-	133	142	155	-	-
	MIBh	46.9	48.3	52.3	56.1		45.8	47.2	51.1	54.8		44.7	46.0	49.8	53.5		43.6	44.9	48.6	52.2		41.5	42.7	46.2	49.6		38.4	39.5	42.8	45.9	
	S/T	0.85	0.76	0.58	0.37		0.88	0.79	0.60	0.39		0.91	0.81	0.61	0.39		0.94	0.84	0.63	0.41		0.97	0.87	0.66	0.42		0.98	0.88	0.66	0.43	
	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	
	kW	2.42	2.48	2.58	2.68		2.65	2.72	2.83	2.95		2.86	2.94	3.05	3.18		3.04	3.13	3.25	3.38		3.20	3.29	3.42	3.55		3.34	3.43	3.56	3.70	
	Amps	13.3	13.5	13.9	14.4		14.2	14.5	14.9	15.5		15.3	15.6	16.1	16.7		16.3	16.6	17.1	17.7		17.2	17.6	18.1	18.8		18.1	18.6	19.1	19.8	
	HI PR	235	253	267	278		263	284	299	312		300	322	341	355		341	367	388	405		384	413	436	455		424	457	482	503	
	LO PR	112	119	130	138		118	126	137	146		123	131	143	152		129	137	150	160		135	144	157	167		140	149	163	173	
	MIBh	45.5	46.9	50.8	54.5		44.5	45.8	49.6	53.2		43.4	44.7	48.4	51.9		42.4	43.6	47.2	50.7		40.2	41.4	44.9	48.1		37.3	38.4	41.5	44.6	
	S/T	0.81	0.73	0.55	0.35		0.84	0.75	0.57	0.37		0.86	0.77	0.59	0.38		0.89	0.80	0.60	0.39		0.93	0.83	0.63	0.40		0.93	0.84	0.63	0.41	
	ΔT	22	20	16	11		22	20	16	11		22	20	16	11		22	20	17	11		22	20	16	11		20	19	15	11	
	kW	2.39	2.46	2.56	2.66		2.63	2.70	2.80	2.92		2.83	2.91	3.02	3.15		3.01	3.10	3.22	3.35		3.17	3.25	3.38	3.52		3.30	3.39	3.53	3.67	
	Amps	13.2	13.4	13.8	14.3		14.1	14.4	14.8	15.3		15.2	15.5	16.0	16.5		16.1	16.5	17.0	17.6		17.1	17.5	18.0	18.6		18.0	18.4	19.0	19.6	
	HI PR	233	250	264	276		261	281	296	309		297	319	337	352		338	364	384	401		380	409	432	451		420	452	477	498	
	LO PR	111	118	129	137		117	125	136	145		122	129	141	151		128	136	149	158		134	143	156	166		139	147	161	171	
	MIBh	42.0	43.3	46.8	50.3		41.1	42.3	45.8	49.1		40.1	41.3	44.7	47.9		39.1	40.3	43.6	46.8		37.1	38.2	41.4	44.4		34.4	35.4	38.3	41.2	
	S/T	0.78	0.70	0.53	0.34		0.81	0.73	0.55	0.35		0.83	0.75	0.56	0.36		0.86	0.77	0.58	0.37		0.89	0.80	0.60	0.39		0.90	0.81	0.61	0.39	
	ΔT	22	20	17	11		22	20	17	12		22	20	17	12		22	21	17	12		22	20	17	11		21	19	16	11	
	kW	2.32	2.38	2.48	2.58		2.55	2.62	2.72	2.83		2.75	2.82	2.93	3.05		2.92	3.00	3.12	3.25		3.07	3.16	3.28	3.41		3.20	3.29	3.42	3.56	
	Amps	12.8	13.1	13.5	13.9		13.8	14.1	14.5	14.9		14.8	15.1	15.6	16.1		15.7	16.1	16.6	17.1		16.6	17.0	17.5	18.1		17.5	17.9	18.5	19.1	
	HI PR	226	243	256	267		253	272	288	300		288	310	327	341		328	353	373	389		369	397	419	437		407	438	463	483	
	LO PR	108	114	125	133		114	121	132	141		118	126	137	146		124	132	144	153		130	138	151	161		134	143	156	166	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects ACCA (ITVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = total system power

EXPANDED COOLING DATA — GPC1448H41** (CONT.)

IDB		OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE													
		65				75				85				95				105				115					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	1777	MBh	47.7	48.8	52.1	55.7	46.6	47.6	50.9	54.4	45.5	46.5	49.7	53.1	44.4	45.4	48.5	51.8	42.2	43.1	46.1	49.2	39.1	39.9	42.7	45.6	
		S/T	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.59	1.00	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61
		ΔT	23	22	19	15	23	22	19	16	24	22	20	16	24	23	20	16	24	22	22	19	15	20	21	18	14
	1582	kW	2.44	2.51	2.61	2.71	2.68	2.75	2.86	2.98	2.89	2.97	3.09	3.21	3.08	3.16	3.28	3.42	3.23	3.32	3.32	3.45	3.59	3.37	3.46	3.60	3.74
		Amps	13.4	13.7	14.1	14.5	14.3	14.6	15.1	15.6	15.4	15.8	16.3	16.8	16.4	16.8	17.3	17.9	17.4	17.4	17.7	18.3	18.9	18.3	18.7	19.3	20.0
		HI PR	237	255	270	281	266	286	302	315	303	326	344	359	345	371	392	409	388	417	417	441	460	429	461	487	508
	1386	LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	145	159	169	141	150	164	175
		MBh	46.4	47.4	50.6	54.1	45.3	46.3	49.4	52.8	44.2	45.2	48.2	51.6	43.1	44.1	47.1	50.3	41.0	41.9	44.9	47.7	47.8	37.9	38.8	41.4	44.3
		S/T	0.89	0.84	0.68	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.96	0.78	0.58	0.58
	1386	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	25	24	20	16	24	24	23	20	16	22	22	19	15
		kW	2.34	2.41	2.50	2.60	2.57	2.64	2.75	2.86	2.78	2.85	2.96	3.08	2.95	3.03	3.15	3.28	3.10	3.19	3.19	3.31	3.45	3.24	3.32	3.45	3.59
		Amps	12.9	13.2	13.6	14.1	13.9	14.2	14.6	15.1	14.9	15.3	15.7	16.3	15.9	16.2	16.7	17.3	16.8	17.2	17.2	17.7	18.3	17.7	18.1	18.6	19.3
	1777	HI PR	228	245	259	270	256	275	290	303	291	313	330	345	331	356	376	392	373	401	401	423	441	412	443	468	488
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	140	152	162	136	144	158	168
		MBh	42.8	43.7	46.7	49.9	41.8	42.7	45.6	48.8	40.8	41.7	44.5	47.6	39.8	40.7	43.4	46.4	37.8	38.6	41.3	44.1	44.1	35.0	35.8	38.2	40.9
1582	S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56		
	ΔT	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	25	24	20	16	23	22	19	15		
	kW	2.47	2.53	2.63	2.74	2.71	2.78	2.89	3.01	2.92	3.00	3.12	3.24	3.11	3.19	3.32	3.45	3.27	3.35	3.35	3.49	3.63	3.40	3.49	3.63	3.78	
1777	Amps	13.5	13.8	14.2	14.6	14.4	14.8	15.2	15.7	15.6	15.9	16.4	17.0	16.5	16.9	17.4	18.0	17.5	17.9	18.5	19.1	18.5	18.9	19.5	20.2		
	HI PR	240	258	272	284	269	289	305	319	306	329	347	362	348	375	396	413	392	422	422	445	464	433	466	492	513	
	LO PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	147	160	171	143	152	166	177	
1582	MBh	47.2	48.1	50.3	53.7	46.1	47.0	49.2	52.5	45.0	45.8	48.0	51.2	43.9	44.7	46.8	50.0	41.7	42.5	44.5	47.5	47.5	38.6	39.4	41.2	44.0	
	S/T	0.94	0.90	0.81	0.66	0.97	0.94	0.84	0.68	0.99	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76		
	ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	24	25	24	21	22	22	23	22	19	
1386	kW	2.44	2.51	2.61	2.71	2.68	2.75	2.86	2.98	2.89	2.97	3.09	3.21	3.08	3.16	3.28	3.42	3.23	3.32	3.32	3.45	3.59	3.37	3.46	3.60	3.74	
	Amps	13.4	13.7	14.1	14.5	14.3	14.6	15.1	15.6	15.4	15.8	16.3	16.8	16.4	16.8	17.3	17.9	17.4	17.7	18.3	18.9	18.3	18.7	19.3	20.0		
	HI PR	237	255	270	281	266	286	302	315	303	326	344	359	345	371	392	409	388	417	417	441	460	429	461	487	508	
1386	LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	145	159	169	141	150	164	175	
	MBh	43.5	44.4	46.5	49.6	42.5	43.3	45.4	48.4	41.5	42.3	44.3	47.3	40.5	41.3	43.2	46.1	38.5	39.2	41.1	43.8	43.8	35.6	36.3	38.0	40.6	
	S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73		
1386	ΔT	26	26	24	21	26	26	25	21	26	26	25	21	27	26	25	21	26	26	24	21	24	24	24	23	20	
	kW	2.37	2.43	2.53	2.63	2.60	2.67	2.77	2.89	2.80	2.88	2.99	3.11	2.98	3.06	3.18	3.31	3.14	3.22	3.22	3.35	3.48	3.27	3.36	3.49	3.63	
	Amps	13.1	13.3	13.7	14.2	14.0	14.3	14.7	15.2	15.1	15.4	15.8	16.4	16.0	16.3	16.8	17.4	16.9	17.3	17.3	17.8	18.4	17.8	18.2	18.8	19.5	
1386	HI PR	230	248	261	273	258	278	293	306	294	316	334	348	334	360	380	396	376	405	428	446	446	416	447	472	493	
	LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	141	154	164	137	146	159	170	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects AHRI (TVSA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

EXPANDED COOLING DATA — GPC1460H41**

IDB		OUTDOOR AMBIENT TEMPERATURE																													
		65					75					85					95					105					115				
		ENTERING INDOOR WET BULB TEMPERATURE																													
70	1900	MBh	56.3	58.4	64.0	55.0	57.0	62.5	53.7	55.7	61.0	52.4	54.3	59.5	49.8	51.6	56.5	46.1	47.8	52.4	46.1	47.8	52.4								
		S/T	0.71	0.60	0.41	0.74	0.62	0.43	0.76	0.63	0.44	0.78	0.65	0.45	0.81	0.68	0.47	0.82	0.69	0.47	0.82	0.69	0.47								
		Δ T	21	18	14	21	18	14	21	18	14	21	18	14	21	18	14	19	17	13	19	17	13								
		kW	3.70	3.78	3.91	4.00	4.09	4.23	4.26	4.36	4.51	4.49	4.60	4.75	4.69	4.80	4.96	4.86	4.97	5.14	4.86	4.97	5.14								
		Amps	15.7	16.0	16.5	16.9	17.2	17.8	18.2	18.6	19.2	19.4	19.9	20.5	20.6	21.1	21.7	21.7	22.3	23.0	21.7	22.3	23.0								
	1700	HI PR	238	256	271	267	288	304	304	327	345	346	373	393	390	419	443	430	463	489	430	463	489								
		LO PR	108	115	125	114	121	132	132	118	126	137	144	144	130	139	151	135	143	156	135	143	156								
		MBh	54.7	56.7	62.1	53.4	55.4	60.7	52.2	54.1	59.2	50.9	52.7	57.8	48.3	50.1	54.9	44.8	46.4	50.9	44.8	46.4	50.9								
		S/T	0.68	0.57	0.39	0.71	0.59	0.41	0.72	0.60	0.42	0.75	0.62	0.43	0.78	0.65	0.45	0.78	0.65	0.45	0.78	0.65	0.45								
		Δ T	21	19	14	22	19	14	22	19	14	22	19	14	22	19	14	20	17	13	20	17	13								
1500	kW	3.67	3.75	3.88	3.97	4.06	4.19	4.23	4.32	4.47	4.46	4.56	4.71	4.65	4.76	4.92	4.82	4.93	5.10	4.82	4.93	5.10									
	Amps	15.6	15.9	16.4	16.7	17.1	17.6	18.1	18.5	19.1	19.2	19.7	20.3	20.4	20.9	21.5	21.6	22.1	22.8	21.6	22.1	22.8									
	HI PR	236	254	268	265	285	301	301	324	342	343	369	390	386	415	438	426	459	484	426	459	484									
	LO PR	107	114	124	113	120	131	117	125	136	123	131	143	129	137	150	133	142	155	133	142	155									
	MBh	50.5	52.3	57.3	49.3	51.1	56.0	48.1	49.9	54.7	47.0	48.7	53.3	44.6	46.2	50.7	41.3	42.8	46.9	41.3	42.8	46.9									
75	1900	S/T	0.66	0.55	0.38	0.68	0.57	0.39	0.70	0.58	0.40	0.72	0.60	0.42	0.75	0.62	0.43	0.75	0.63	0.44	0.75	0.63	0.44								
		Δ T	22	19	14	22	19	14	22	19	15	22	19	15	22	19	14	20	18	13	20	18	13								
		kW	3.73	3.82	3.94	4.03	4.12	4.26	4.30	4.40	4.55	4.70	4.53	4.64	4.96	4.73	4.84	5.01	4.90	5.02	5.19	4.90	5.02	5.19							
		Amps	15.8	16.2	16.7	17.0	17.4	17.9	18.4	18.8	19.4	20.1	19.6	20.0	21.4	20.8	21.3	21.9	21.9	22.5	23.2	21.9	22.5	23.2							
		HI PR	241	259	273	270	291	307	307	330	349	364	350	376	397	415	433	447	466	494	466	494	515								
	1700	LO PR	109	116	126	115	122	134	120	127	139	148	126	134	146	155	163	136	145	158	136	145	168								
		MBh	55.6	57.3	62.0	54.3	55.9	60.6	53.0	54.6	59.1	63.4	51.8	53.3	57.7	61.9	54.8	58.8	45.5	46.9	50.8	45.5	46.9	50.8							
		S/T	0.77	0.69	0.52	0.80	0.72	0.54	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60								
		Δ T	25	23	19	25	23	19	25	23	19	13	25	23	19	13	25	23	19	13	23	21	18	12							
		kW	3.70	3.79	3.91	4.00	4.09	4.23	4.26	4.36	4.51	4.66	4.49	4.60	4.92	4.69	4.80	4.96	4.86	4.97	5.14	4.86	4.97	5.14							
1500	Amps	15.7	16.0	16.5	16.9	17.3	17.8	18.4	18.2	18.6	19.2	19.9	19.4	19.9	20.5	21.2	21.7	22.5	23.0	21.7	22.3	23.0									
	HI PR	238	256	271	282	297	313	317	304	327	346	360	346	373	394	410	426	462	489	430	463	489									
	LO PR	108	115	125	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	135	143	157									
	MBh	51.3	52.9	57.2	50.2	51.6	55.9	49.0	50.4	54.6	58.6	47.8	49.2	53.2	57.1	50.6	54.8	42.0	43.3	46.8	42.0	43.3	46.8								
	S/T	0.75	0.67	0.51	0.77	0.69	0.52	0.79	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.85	0.76	0.58	0.37	0.86	0.77	0.58									

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 kW = total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 Shaded area reflects ACCA (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED COOLING DATA — GPC1460H41** (CONT.)

IDB	AIRFLOW	65						75						85						95						105						115																											
		OUTDOOR AMBIENT TEMPERATURE																		ENTERING INDOOR WET BULB TEMPERATURE																																							
		59			63			67			71			75			79			83			87			91			95			99			103			107			111																		
		MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T	MBh	S/T	Δ T							
80	1900	58.3	0.89	27	59.6	0.84	25	63.7	0.68	18	68.1	0.51	12	71	0.33	6	75	0.22	4	79	0.17	3	83	0.13	2	87	0.1	1	91	0.08	1	95	0.06	1	99	0.05	1	103	0.04	0	107	0.03	0	111	0.02	0	115	0.01	0										
		3.77	16.0	243	3.85	16.3	262	3.98	16.8	276	4.11	17.4	288	4.26	18.1	294	4.41	18.7	300	4.56	19.4	307	4.71	20.1	313	4.86	20.8	320	5.01	21.5	327	5.16	22.2	333	5.31	22.9	340	5.46	23.6	347	5.61	24.3	354	5.76	25.0	361	5.91	25.7											
		11.0	243	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170	56.6	0.85	28	57.9	0.80	26	61.8	0.65	18	66.1	0.48	11	70.4	0.33	9	74.7	0.22	6	79.0	0.15	4	83.3	0.1	3	87.6	0.07	2	91.9	0.05	1		
	52.3	0.82	28	53.4	0.77	27	57.1	0.63	19	61.0	0.47	12	65.0	0.3	6	68.9	0.22	4	72.8	0.15	3	76.7	0.1	2	80.6	0.07	1	84.5	0.05	1	88.4	0.03	0	92.3	0.02	0	96.2	0.01	0	100.1	0.01	0	104.0	0.00	0	107.9	0.00	0	111.8	0.00	0	115.7	0.00	0					
	3.64	15.4	233	3.72	15.8	251	3.84	16.2	265	3.97	16.8	277	4.1	17.5	288	4.24	18.1	294	4.38	18.7	300	4.52	19.4	307	4.66	20.1	313	4.8	20.8	320	4.94	21.5	327	5.08	22.2	333	5.22	22.9	340	5.36	23.6	347	5.5	24.3	354	5.64	25.0	361	5.78	25.7									
	106	233	106	112	123	131	112	119	130	138	116	123	135	143	122	130	141	151	128	136	148	158	132	140	153	163	48.6	0.87	29	49.7	0.84	28	53.1	0.69	19	56.7	0.51	12	60.3	0.37	7	63.9	0.25	5	67.5	0.17	4	71.1	0.11	3	74.7	0.07	2	78.3	0.05	1	81.9	0.03	0
85	1900	59.3	0.93	28	60.5	0.81	26	63.3	0.66	23	67.6	0.5	18	71	0.35	12	75	0.24	9	79	0.18	7	83	0.13	5	87	0.09	4	91	0.07	3	95	0.05	2	99	0.04	1	103	0.03	1	107	0.02	0	111	0.01	0	115	0.00	0										
		3.80	16.1	245	3.88	16.5	270	3.98	17.0	291	4.14	17.5	307	4.31	18.1	313	4.47	18.7	320	4.63	19.4	327	4.79	20.1	333	4.95	20.8	340	5.11	21.5	347	5.27	22.2	354	5.43	22.9	361	5.59	23.6	368	5.75	24.3	375	5.91	25.0	382	6.07	25.7											
		111	245	111	118	129	137	117	125	136	145	122	130	142	151	128	136	149	158	134	143	156	166	139	148	161	172	55.2	0.99	30	56.3	0.94	29	58.9	0.79	20	62.9	0.62	14	66.9	0.46	9	70.9	0.3	6	74.9	0.2	4	78.9	0.14	3	82.9	0.09	2	86.9	0.06	1		
	52.3	0.89	29	53.4	0.86	28	57.1	0.72	24	61.0	0.55	17	65.0	0.38	10	68.9	0.26	8	72.8	0.18	6	76.7	0.12	5	80.6	0.08	4	84.5	0.05	3	88.4	0.03	2	92.3	0.02	1	96.2	0.01	0	100.1	0.01	0	104.0	0.00	0	107.9	0.00	0	111.8	0.00	0	115.7	0.00	0					
	3.77	16.0	243	3.85	16.3	262	3.98	16.8	276	4.11	17.4	288	4.26	18.1	294	4.41	18.7	300	4.56	19.4	307	4.71	20.1	313	4.86	20.8	320	5.01	21.5	327	5.16	22.2	333	5.31	22.9	340	5.46	23.6	347	5.61	24.3	354	5.76	25.0	361	5.91	25.7												
	110	243	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170	53.6	0.92	30	54.6	0.88	29	57.2	0.72	21	61.0	0.55	14	64.4	0.4	9	68.4	0.29	6	72.4	0.2	4	76.4	0.14	3	80.4	0.09	2	84.4	0.06	1	88.4	0.04	1
85	1700	57.6	0.86	29	58.7	0.78	27	61.5	0.63	24	65.6	0.49	19	70	0.32	13	74	0.22	9	78	0.15	7	82	0.1	5	86	0.07	4	90	0.05	3	94	0.04	2	98	0.03	1	102	0.02	1	106	0.01	0	110	0.00	0	114	0.00	0										
		3.77	16.0	243	3.85	16.3	262	3.98	16.8	276	4.11	17.4	288	4.26	18.1	294	4.41	18.7	300	4.56	19.4	307	4.71	20.1	313	4.86	20.8	320	5.01	21.5	327	5.16	22.2	333	5.31	22.9	340	5.46	23.6	347	5.61	24.3	354	5.76	25.0	361	5.91	25.7											
		110	243	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170	53.6	0.92	30	54.6	0.88	29	57.2	0.72	21	61.0	0.55	14	64.4	0.4	9	68.4	0.29	6	72.4	0.2	4	76.4	0.14	3	80.4	0.09	2	84.4	0.06	1	88.4	0.04
	52.3	0.89	29	53.4	0.86	28	57.1	0.72	24	61.0	0.55	17	65.0	0.38	10	68.9	0.26	8	72.8	0.18	6	76.7	0.12	5	80.6	0.08	4	84.5	0.05	3	88.4	0.03	2	92.3	0.02	1	96.2	0.01	0	100.1	0.01	0	104.0	0.00	0	107.9	0.00	0	111.8	0.00	0	115.7	0.00	0					
	3.77	16.0	243	3.85	16.3	262	3.98	16.8	276	4.11	17.4	288	4.26	18.1	294	4.41	18.7	300	4.56	19.4	307	4.71	20.1	313	4.86	20.8	320	5.01	21.5	327	5.16	22.2	333	5.31	22.9	340	5.46	23.6	347	5.61	24.3	354	5.76	25.0	361	5.91	25.7												
	110	243	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170	53.6	0.92	30	54.6	0.88	29	57.2	0.72	21	61.0	0.55	14	64.4	0.4	9	68.4	0.29	6	72.4	0.2	4	76.4	0.14	3	80.4	0.09	2	84.4	0.06	1	88.4	0.04	1

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects AHRI (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = total system power

AIRFLOW DATA

MODEL	SPEED*	VOLTS	TYPE	E.S.P. (IN. OF H ₂ O)							
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
GPC14 24H41C*	T1	230	CFM Watts	922 74	873 85	823 96	774 107	724 118	675 129	626 140	576 151
	T2, T3	230	CFM Watts	922 74	873 85	823 96	774 107	724 118	675 129	626 140	576 151
	T4, T5	230	CFM Watts	1069 102	1020 113	971 124	921 135	872 146	822 157	773 168	724 179
GPC14 24H41D*	T1	230	CFM Watts	922 74	873 85	823 96	774 107	724 118	675 129	626 140	576 151
	T2, T3	230	CFM Watts	922 74	873 85	823 96	774 107	724 118	675 129	626 140	576 151
	T4, T5	230	CFM Watts	1231 168	1179 180	1127 193	1074 205	1022 218	969 230	917 243	865 255
GPC14 30H41C*	T1	230	CFM Watts	1048 97	993 109	939 122	884 134	829 147	775 159	720 172	666 184
	T2, T3	230	CFM Watts	1123 123	1068 136	1014 148	959 161	905 173	850 186	796 198	741 211
	T4, T5	230	CFM Watts	1244 158	1189 170	1135 183	1080 195	1026 208	971 220	917 233	862 245
GPC14 30H41D*	T1	230	CFM Watts	1048 97	993 109	939 122	884 134	829 147	775 159	720 172	666 184
	T2, T3	230	CFM Watts	1123 123	1068 136	1014 148	959 161	905 173	850 186	796 198	741 211
	T4, T5	230	CFM Watts	1462 241	1409 253	1357 266	1305 278	1252 291	1200 303	1147 315	1095 328
GPC14 36H41C*	T1	230	CFM Watts	1151 132	1097 144	1042 156	988 169	933 181	879 194	824 206	770 219
	T2, T3	230	CFM Watts	1261 131	1215 144	1169 157	1123 169	1076 182	1030 194	984 207	937 220
	T4, T5	230	CFM Watts	1376 170	1330 182	1284 195	1237 207	1191 220	1145 233	1099 245	1052 258
GPC14 36H41D*	T1	230	CFM Watts	1151 132	1097 144	1042 156	988 169	933 181	879 194	824 206	770 219
	T2, T3	230	CFM Watts	1261 131	1215 144	1169 157	1123 169	1076 182	1030 194	984 207	937 220
	T4, T5	230	CFM Watts	1577 277	1525 290	1472 302	1420 314	1367 327	1315 339	1263 352	1210 364

* Speed set at T2 at the factory.

AIRFLOW DATA (CONT.)

MODEL	SPEED*	VOLTS	TYPE	E.S.P. (IN. OF H ₂ O)							
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
GPC14 42H41C*	T1	230	CFM Watts	1165 118	1122 130	1080 142	1037 154	995 166	953 178	910 190	868 202
	T2, T3	230	CFM Watts	1258 150	1216 162	1173 175	1131 187	1088 199	1046 211	1004 223	961 235
	T4, T5	230	CFM Watts	1511 239	1469 251	1427 263	1384 275	1342 287	1299 299	1257 311	1214 323
GPC14 42H41D*	T1	230	CFM Watts	1165 118	1122 130	1080 142	1037 154	995 166	953 178	910 190	868 202
	T2, T3	230	CFM Watts	1258 150	1216 162	1173 175	1131 187	1088 199	1046 211	1004 223	961 235
	T4, T5	230	CFM Watts	1645 285	1602 297	1560 309	1517 321	1475 333	1433 346	1390 358	1348 370
GPC14 48H41C*	T1	230	CFM Watts	1421 170	1367 182	1314 195	1260 208	1206 220	1152 233	1099 246	1045 258
	T2, T3	230	CFM Watts	1696 287	1643 299	1589 312	1535 325	1481 337	1428 350	1374 363	1320 375
	T4, T5	230	CFM Watts	1859 356	1805 368	1751 381	1698 394	1644 406	1590 419	1536 432	1483 444
GPC14 48H41D*	T1	230	CFM Watts	1421 170	1367 182	1314 195	1260 208	1206 220	1152 233	1099 246	1045 258
	T2, T3	230	CFM Watts	1696 287	1643 299	1589 312	1535 325	1481 337	1428 350	1374 363	1320 375
	T4, T5	230	CFM Watts	1983 553	1928 565	1873 578	1818 591	1763 603	1708 616	1652 629	1597 641
GPC14 60H41C*	T1	230	CFM Watts	1507 168	1459 175	1410 183	1362 191	1314 199	1266 207	1218 214	1169 222
	T2, T3	230	CFM Watts	1694 296	1646 303	1598 311	1549 319	1501 327	1453 334	1405 342	1357 350
	T4, T5	230	CFM Watts	1965 481	1917 489	1869 496	1821 504	1773 512	1724 520	1676 528	1628 535
GPC14 60H41D*	T1	230	CFM Watts	1507 168	1459 175	1410 183	1362 191	1314 199	1266 207	1218 214	1169 222
	T2, T3	230	CFM Watts	1694 296	1646 303	1598 311	1549 319	1501 327	1453 334	1405 342	1357 350
	T4, T5	230	CFM Watts	1919 449	1870 457	1822 465	1774 472	1726 480	1678 488	1629 496	1581 503

* Speed set at T2 at the factory.

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

MODEL AND HEAT KIT USAGE	CIRCUIT #1		CIRCUIT #2		SINGLE-POINT KIT		ACTUAL kW / BTU@ 240V
	MCA ¹	MOP ²	MCA ¹	MOP ²	MCA ¹	MOP ²	
GPC1424H41**	1.9	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	24 / 27	30 / 30	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	33 / 38	40 / 40	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	45 / 51	60 / 60	9.5 / 32,400
GPC1424H41D*	1.9	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	29	30	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	41	45	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	54	60	9.5 / 32,400
GPC1430H41**	2.3	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	24 / 27	30 / 30	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 39	40 / 40	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	45 / 52	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	67 / 77	70 / 80	14.25 / 48,600
GPC1430H41D*	2.3	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	29	30	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	41	45	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	54	60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	79	80	14.25 / 48,600
GPC1436H41**	2.3	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	24 / 27	40 / 40	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 39	40 / 40	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	45 / 52	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	67 / 77	70 / 80	14.25 / 48,600
GPC1436H41D*	2.3	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	29	40	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	41	45	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	54	60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	79	80	14.25 / 48,600

¹ Minimum Circuit Ampacity @ 208 / 240 V

² Maximum Overcurrent Protection Device @ 208 / 240 V

* Revision level that may or may not be designated

C Circuit breaker option

^ Heat Kit requires three-phase power supply

NOTE: HKP-15C* and HKP-20C* replace HKR-15C and HKR-20C respectively to meet new UL1995 requirements.

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

MODEL AND HEAT KIT USAGE	CIRCUIT #1		CIRCUIT #2		SINGLE-POINT KIT		ACTUAL kW / BTU@ 240V
	MCA ¹	MOP ²	MCA ¹	MOP ²	MCA ¹	MOP ²	
GPC1442H41**	3.6	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	27	40 / 40	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 39	40 / 40	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	46 / 52	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	68 / 78	70 / 80	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	90 / 103	90 / 110	19.0 / 64,800
GPC1442H41D*	3.6	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	29	45	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	41	45	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	54	60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	79	80	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	104	110	19.0 / 64,800
GPC1448H41**	3.6	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	29	45	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 40	45	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	46 / 53	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	68 / 78	70 / 80	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	90 / 103	90 / 110	19.0 / 64,800
GPC1448H41D*	3.6	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	32	50	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	43	50	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	56	60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	81	90	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	106	110	19.0 / 64,800
GPC1460H41**	7.5	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	37.3	60	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	37/40	60	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	48 / 54	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	70 / 80	80 / 90	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	92 / 105	100 / 110	19.0 / 64,800
GPC1460H41D*	7.5	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	40	60	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	43	60	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	56	60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	81	90	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	106	110	19.0 / 64,800

¹ Minimum Circuit Ampacity @ 208 / 240 V

² Maximum Overcurrent Protection Device @ 208 / 240 V

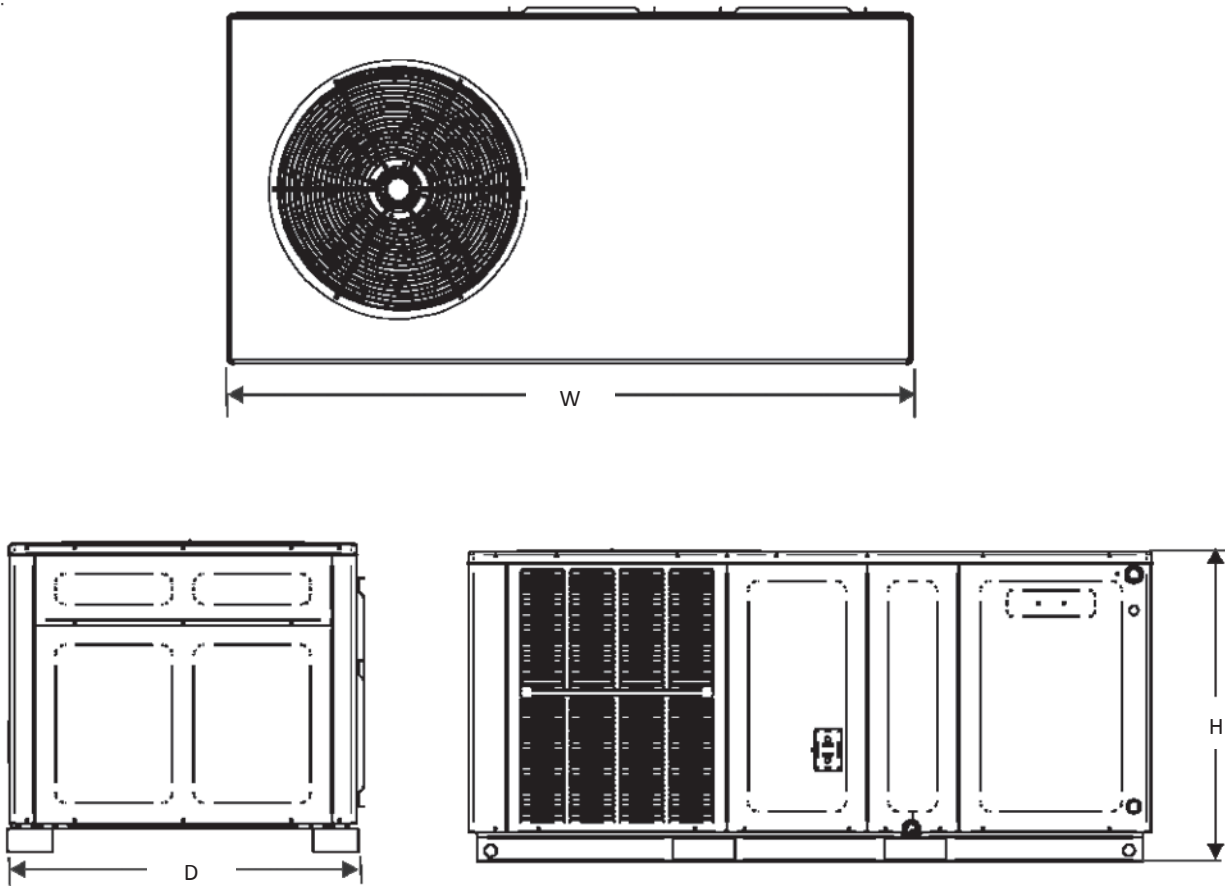
* Revision level that may or may not be designated

C Circuit breaker option

^ Heat Kit requires three-phase power supply

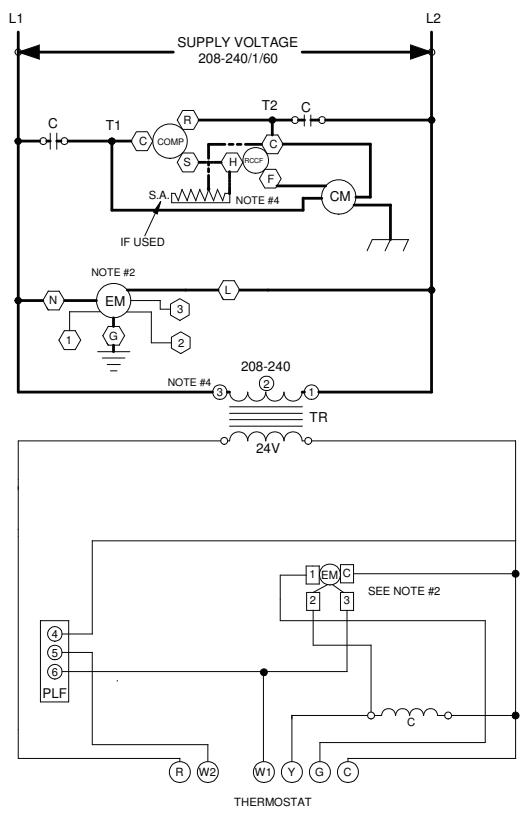
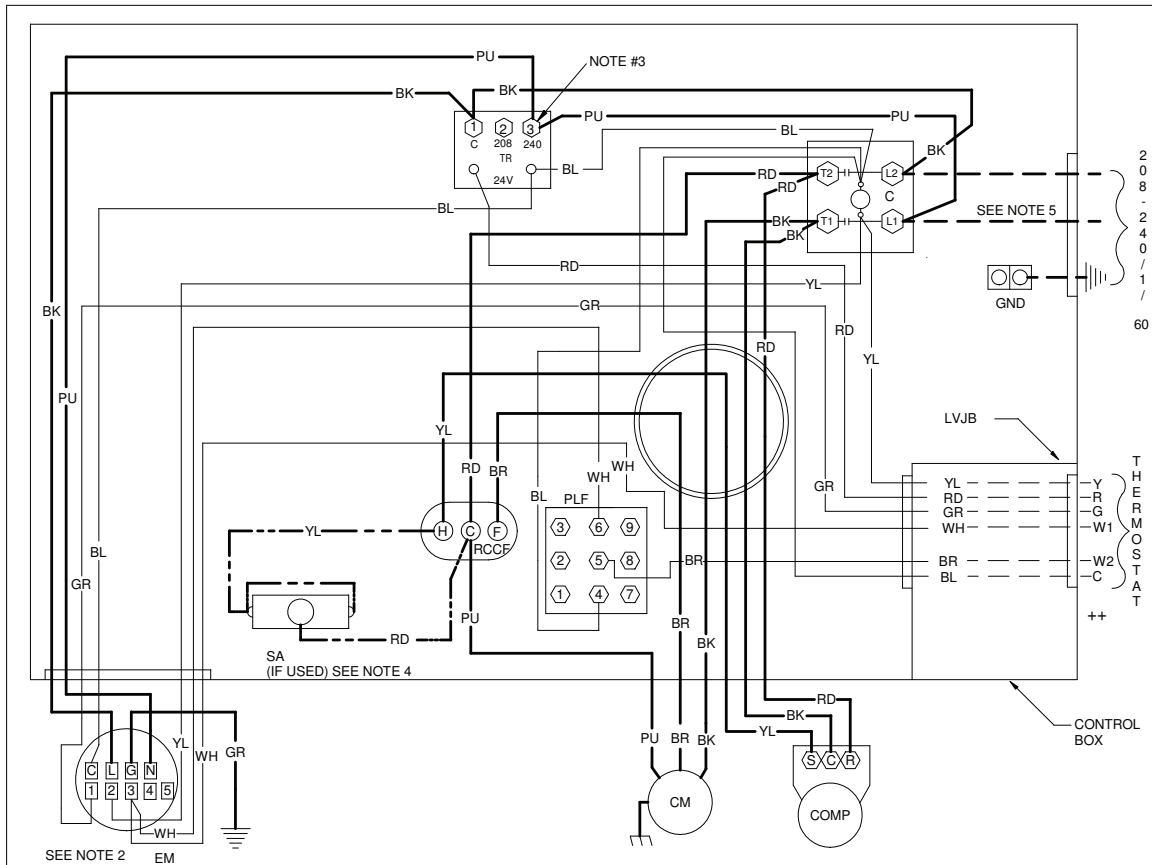
NOTE: HKP-15C* and HKP-20C* replace HKR-15C and HKR-20C respectively to meet new UL1995 requirements.

DIMENSIONS



MODEL	DIMENSIONS			CHASSIS SIZE		
	W"	D"	H"	SMALL	MEDIUM	LARGE
GPC1424H41*	66	33	30½	X		
GPC1430H41*	66	33	30½	X		
GPC1436H41*	66	33	35½		X	
GPC1442H41*	66	33	35½		X	
GPC1448H41*	66	33	38½			X
GPC1460H41*	66	33	38½			X

WIRING DIAGRAM



COMPONENT LEGEND

- C CONTACTOR
- CM CONDENSER MOTOR
- COMP COMPRESSOR
- EM EVAPORATOR MOTOR
- GND EQUIPMENT GROUND
- LVJB LOW VOLTAGE JUNCTION BOX
- PLF FEMALE PLUG / CONNECTOR
- RCCF RUN CAPACITOR FOR COMPRESSOR AND FAN
- SA START ASSIST
- TR TRANSFORMER

FACTORY WIRING

- LINE VOLTAGE
- LOW VOLTAGE
- OPTIMAL HIGH VOLTAGE
- VOLTAGE

FIELD WIRING

- - HIGH VOLTAGE
- - LOW VOLTAGE

WIRE CODE

- BK BLACK
- BL BLUE
- BR BROWN
- GR GREEN
- OR ORANGE
- PU PURPLE
- RD RED
- WH WHITE
- YL YELLOW

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
 2. TO CHANGE EVAPORATOR MOTOR SPEED MOVE WHITE AND YELLOW LEADS FROM EM "2" AND "3" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
 3. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
 4. START ASSIST FACTOR EQUIPPED WHEN REQUIRED
 5. USE COPPER CONDUCTORS ONLY.
- ++ USE N.E.C. CLASS 2 WIRE

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

208-240/1/60 0140G00407

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

ACCESSORIES

ACCESSORY DESCRIPTION	ITEM NUMBER	
	SMALL CHASSIS	MEDIUM/LARGE CHASSIS
Downflow Economizer	PCE101	PCE102/103
Downflow Plenum Kit	PCP101	PCP102/103
Downflow Plenum Kit (R-8)	PCP101 R8	PCP102 R8 /103 RB
Elbow Flashing w/ R-8 Liner	PCEF101	PCEF102/103
Emergency Heat Relay	OT/EHR18-60	OT/EHR18-60
External Horizontal Filter Rack	GPGHFR101	GPGHFR102/103
Horizontal Economizer	DHZECNJPCHM	DHZECNJPCHL
Manual Damper	PCMD101	PCMD102/103
Horizontal Manual Damper	PCMDH101	PCMDH102/103
Motorized Damper	PCMDM101	PCMDM102/103
Outdoor Thermostat w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	PCCP101	PCCP102/103
Square to Round	SQRPC101	SQRPC102/103
Square to Round for Horizontal Application	SQRPCH101	SQRPCH102/103

SINGLE-POINT KIT ACCESSORY KITS

Select the single-point kit accessory based on the unit model.

MODEL	SINGLE-POINT KIT	MODEL	SINGLE-POINT KIT
GPC1424***41C*	SPK-15	GPC1424***41D*	SPK-20
GPC1430***41C*	SPK-30	GPC1430***41D*	SPK-30
GPC1436***41C*	SPK-40	GPC1436***41D*	SPK-40
GPC1442***41C*	SPK-40	GPC1442***41D*	SPK-45
GPC1448***41C*	SPK-45	GPC1448***41D*	SPK-50
GPC1460***41C*	SPK-60	GPC1460***41D*	SPK-60

NOTES

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