

DAIKIN McQUAY®

Air Conditioning & Heating

GPC14H

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

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

Product 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

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NOMENCLATURE

	G	P	C	14	36	H	4	1	A	*	
	1	2	3	4,5	6,7	8	9	10	11	12	
Brand	G Daikin McQuay 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 4 460/3/60	
Efficiency	13 13 SEER 15 15 SEER 14 14 SEER 16 16 SEER									Refrigerant 2 R-22 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 30H41C*	GPC14 36H41C*	GPC14 42H41C*	GPC14 48H41C*	GPC14 60H41C*
COOLING CAPACITY						
Cooling Capacity (BTU/h)	23,600	28,400	35,600	40,000	46,000	57,500
Sensible BTU/h	17,700	21,600	27,100	30,400	35,300	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	76	76	78	78	80	80
AHRI Numbers	5732583	5677886	5677887	5677888	5677889	5677890
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	11 x 8
Cooling CFM	875	1,050	1,200	1,200	1,600	1,600
Fan-Only CFM	800	950	1,100	1,200	1,400	1,700
RLA	1.5	1.86	1.86	2.9	2.9	2.9
No. of Speeds	5	5	5	5	5	5
Horsepower - RPM	½ - 1050	½ - 1050	½ - 1050	½ - 1050	¾ - 1050	¾ - 1050
EVAPORATOR COIL						
Face Area (ft ²)	4.66	5.25	5.25	6.2	6.2	7
Rows Deep/ Fins per Inch	3/ 16	3/ 16	3/ 14	4/ 14	4/ 14	4/ 14
Indoor Orifice Size	0.057	0.062	0.068	0.072	0.078	0.086
Filter Size (")	20 x 20 x 1	20 x 25 x 1	25 x 25 x 1	(2) 20 x 20 x 1	(2) 20 x 20 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.)	60	61	65	94	90	110
CONDENSER FAN / COIL						
Horsepower - RPM	1/6 - 815	1/6 - 815	¼ - 830	¼ - 1075	¼ - 1075	¼ - 1075
RLA/LRA	1.1 / 1.7	1.1 / 1.7	1.5 / 3.0	1.4 / 2.9	1.4 / 2.9	1.4 / 2.9
Fan Diameter/ # Fan Blades	22 / 2	22 / 2	22 / 3	22 / 4	22 / 4	22 / 4
Face Area (ft ²)	12.3	12.3	12.3	16	19.5	17
Rows Deep/ Fins per Inch	1 / 26	1 / 26	1 / 26	1 / 28	1 / 28	2 / 28
COMPRESSOR						
Quantity / Type	1 / Rotary	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll
Stage	Single	Single	Single	Single	Single	Single
Compressor RLA/LRA	7.7/37	12.8 / 64	16.7 / 79	17.9 / 112	19.9 / 109	26.4 / 134
ELECTRICAL DATA						
Voltage-Phase	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1
Indoor Blower FLA	1.5	1.86	1.86	2.9	2.9	2.9
Outdoor Fan RLA	1.1	1.1	1.5	1.4	1.4	1.4
Total Unit Amps	10.3	15.76	20.06	22.2	24.2	30.7
Min. Circuit Ampacity ¹	12.2	19	24.2	26.6	29.1	37.3
Max. Overcurrent Protection (amps) ²	15	30	40	40	45	60
SHIP WEIGHT (LBS)	305	310	315	360	370	375
OPERATING WEIGHT (LBS)	310	315	320	365	375	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 — GPC1424H41**

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	MBh	24.1	25.0	27.4	-	23.0	23.8	26.1	-	22.4	23.2	25.5	-	21.3	22.1	24.2	-	20.1	20.7	21.4	23.5	19.2	19.9	21.8	-
	S/T	0.74	0.62	0.43	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
	Δ T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-
	kW	1.47	1.50	1.55	-	1.58	1.62	1.67	-	1.78	1.82	1.88	-	1.86	1.90	1.96	-	1.92	1.97	2.04	-	1.92	1.97	2.04	-
	Amps	6.6	6.7	6.9	-	7.0	7.2	7.4	-	8.0	8.2	8.4	-	8.5	8.7	8.9	-	8.9	9.1	9.4	-	8.9	9.1	9.4	-
70	HI PR	223	240	253	-	250	269	284	-	323	348	368	-	364	392	414	-	402	433	457	-	402	433	457	-
	LO PR	110	117	128	-	117	124	135	-	121	129	141	-	133	142	155	-	138	147	160	-	138	147	160	-
	MBh	23.4	24.3	26.6	-	22.3	23.1	25.3	-	21.8	22.6	24.7	-	20.7	21.4	23.5	-	19.2	19.9	21.8	-	19.2	19.9	21.8	-
	S/T	0.71	0.59	0.41	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-
	Δ T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-
70	kW	1.45	1.49	1.53	-	1.57	1.61	1.66	-	1.67	1.71	1.77	-	1.84	1.88	1.95	-	1.91	1.95	2.02	-	1.91	1.95	2.02	-
	Amps	6.5	6.7	6.9	-	7.0	7.1	7.3	-	8.0	8.1	8.4	-	8.4	8.6	8.9	-	8.9	9.1	9.3	-	8.9	9.1	9.3	-
	HI PR	220	237	250	-	247	266	281	-	281	303	320	-	360	388	409	-	398	428	452	-	398	428	452	-
	LO PR	109	116	127	-	115	123	134	-	120	128	139	-	132	140	153	-	137	145	159	-	137	145	159	-
	MBh	21.6	22.4	24.5	-	20.6	21.3	23.4	-	20.1	20.8	22.8	-	19.1	19.8	21.7	-	17.7	18.3	20.1	-	17.7	18.3	20.1	-
70	S/T	0.68	0.57	0.39	-	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	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-	18	15	12	-
	kW	1.42	1.45	1.50	-	1.53	1.56	1.62	-	1.63	1.67	1.72	-	1.79	1.83	1.90	-	1.86	1.90	1.97	-	1.86	1.90	1.97	-
	Amps	6.4	6.5	6.7	-	6.8	7.0	7.2	-	7.3	7.5	7.7	-	8.2	8.4	8.6	-	8.6	8.8	9.1	-	8.6	8.8	9.1	-
	HI PR	214	230	243	-	240	258	273	-	273	294	310	-	350	376	397	-	386	416	439	-	386	416	439	-
70	LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	132	141	154	-
	MBh	24.5	25.2	27.3	29.3	23.9	24.7	26.7	28.6	23.4	24.1	26.0	28.0	22.7	23.4	25.3	27.1	22.1	22.8	24.7	26.5	21.7	22.3	24.1	25.9
	S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.61	0.39	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40
	Δ T	21	19	16	11	21	19	16	11	21	19	16	11	22	20	16	11	22	20	16	11	22	20	16	11
	kW	1.48	1.51	1.56	1.61	1.60	1.63	1.69	1.74	1.70	1.74	1.80	1.86	1.79	1.84	1.90	1.96	1.87	1.92	1.98	2.05	1.94	1.99	2.05	2.13
75	Amps	6.6	6.8	7.0	7.2	7.1	7.2	7.5	7.7	7.6	7.8	8.0	8.3	8.1	8.3	8.5	8.8	8.6	8.7	9.0	9.3	9.0	9.2	9.5	9.8
	HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	481
	LO PR	111	119	129	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	156	167	139	148	162	172
	MBh	23.8	24.5	26.5	28.5	23.2	23.9	25.9	27.8	22.7	23.4	25.3	27.1	22.1	22.8	24.7	26.5	21.0	21.7	23.4	25.2	19.5	20.1	21.7	23.3
	S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40
75	Δ T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10
	kW	1.47	1.50	1.55	1.60	1.58	1.62	1.67	1.73	1.69	1.73	1.78	1.85	1.78	1.82	1.88	1.95	1.86	1.90	1.96	2.03	1.92	1.97	2.04	2.11
	Amps	6.6	6.7	6.9	7.1	7.0	7.2	7.4	7.6	7.6	7.7	8.0	8.2	8.0	8.2	8.4	8.7	8.5	8.7	8.9	9.2	8.9	9.1	9.4	9.7
	HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
	LO PR	110	117	128	136	117	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	171
75	MBh	22.0	22.6	24.5	26.3	21.5	22.1	23.9	25.7	20.9	21.6	23.3	25.1	20.4	21.0	22.8	24.4	19.4	20.0	21.6	23.2	18.0	18.5	20.0	21.5
	S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.89	0.79	0.60	0.39
	Δ T	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11
	kW	1.43	1.46	1.51	1.56	1.54	1.58	1.63	1.69	1.64	1.68	1.74	1.80	1.73	1.77	1.83	1.90	1.81	1.85	1.91	1.98	1.87	1.92	1.98	2.05
	Amps	6.4	6.6	6.7	7.0	6.9	7.0	7.2	7.5	7.4	7.5	7.8	8.0	7.8	8.0	8.2	8.5	8.3	8.5	8.7	9.0	8.7	8.9	9.2	9.5
75	HI PR	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	418	390	420	443	462
	LO PR	107	114	124	132	113	120	131	140	118	125	136	145	123	131	143	153	129	138	150	160	134	142	155	166

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 — GPC1424H41** (CONT.)

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		
80	920	MBh	25.0	25.5	27.2	29.1	24.4	24.9	26.6	28.4	23.8	24.3	26.0	27.8	23.2	23.7	25.3	27.1	22.0	22.5	24.1	25.7	20.4	20.9	22.3	23.8	
		S/T	0.92	0.87	0.70	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	0.60	
		Δ T	23	22	19	15	23	22	19	16	24	22	19	16	23	23	20	16	22	23	23	19	15	20	21	18	14
		kW	1.49	1.52	1.57	1.63	1.61	1.65	1.70	1.76	1.72	1.76	1.81	1.88	1.81	1.85	1.91	1.98	1.89	1.93	2.00	2.07	1.96	2.00	2.07	2.15	
		Amps	6.7	6.8	7.0	7.2	7.2	7.3	7.5	7.8	7.7	7.9	8.1	8.4	8.2	8.3	8.6	8.9	8.6	8.8	9.1	9.4	9.1	9.3	9.6	9.9	
	HI PR	227	244	258	269	255	274	290	302	290	312	329	344	330	355	375	391	371	400	422	440	410	442	466	486		
	LO PR	113	120	131	139	119	127	138	147	124	131	144	153	130	138	151	161	136	145	158	168	141	150	163	174		
	820	MBh	24.2	24.8	26.4	28.3	23.7	24.2	25.8	27.6	23.1	23.6	25.2	27.0	22.5	23.0	24.6	26.3	21.4	21.9	23.4	25.0	19.8	20.3	21.6	23.1	
		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	0.76	0.57	1.00	0.95	0.77	0.58	
		Δ T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	19	15	
kW		1.48	1.51	1.56	1.61	1.60	1.63	1.69	1.74	1.70	1.74	1.80	1.86	1.79	1.84	1.90	1.96	1.87	1.92	1.98	2.05	1.94	1.99	2.05	2.13		
Amps		6.6	6.8	7.0	7.2	7.1	7.2	7.5	7.7	7.6	7.8	8.0	8.3	8.1	8.3	8.5	8.8	8.6	8.7	9.0	9.3	9.0	9.2	9.5	9.8		
HI PR	225	242	256	267	252	272	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	482			
LO PR	111	119	129	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	156	167	139	148	162	172			
720	MBh	22.4	22.8	24.4	26.1	21.8	22.3	23.8	25.5	21.3	21.8	23.3	24.9	20.8	21.3	22.7	24.3	19.8	20.2	21.6	23.1	18.3	18.7	20.0	21.4		
	S/T	0.85	0.80	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.56		
	Δ T	24	23	20	16	25	24	20	16	25	24	20	16	25	24	21	16	24	23	20	16	22	22	19	15		
	kW	1.44	1.47	1.52	1.57	1.56	1.59	1.64	1.70	1.66	1.70	1.75	1.81	1.75	1.79	1.85	1.91	1.82	1.87	1.93	2.00	1.89	1.93	2.00	2.07		
	Amps	6.5	6.6	6.8	7.0	6.9	7.1	7.3	7.5	7.5	7.6	7.8	8.1	7.9	8.1	8.3	8.6	8.3	8.5	8.8	9.0	8.8	9.0	9.3	9.6		
HI PR	218	235	248	259	245	263	278	290	278	300	316	330	317	341	360	376	357	384	405	423	394	424	448	467			
LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167			
85	920	MBh	25.4	25.9	27.1	28.9	24.8	25.3	26.5	28.2	24.2	24.7	25.8	27.6	23.6	24.1	25.2	26.9	22.4	22.9	24.0	25.6	20.8	21.2	22.2	23.7	
		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	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.78	
		Δ T	25	24	23	20	25	24	23	20	24	24	23	20	24	24	23	20	22	23	23	20	21	21	21	19	
		kW	1.50	1.54	1.59	1.64	1.62	1.66	1.72	1.77	1.73	1.77	1.83	1.89	1.83	1.87	1.93	2.00	1.91	1.95	2.02	2.09	1.97	2.02	2.09	2.16	
		Amps	6.7	6.9	7.1	7.3	7.2	7.4	7.6	7.8	7.8	7.9	8.2	8.4	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.5	9.2	9.4	9.7	10.0	
	HI PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	445	414	446	471	491		
	LO PR	114	121	132	141	120	128	140	149	125	133	145	154	131	140	152	162	137	146	160	170	142	151	165	176		
	820	MBh	24.6	25.1	26.3	28.1	24.1	24.5	25.7	27.4	23.5	24.0	25.1	26.8	22.9	23.4	24.5	26.1	21.8	22.2	23.3	24.8	20.2	20.6	21.5	23.0	
		S/T	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.98	0.95	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75	
		Δ T	25	25	24	21	26	25	24	21	26	25	24	21	26	26	24	21	24	25	24	21	23	23	22	19	
kW		1.49	1.52	1.57	1.63	1.61	1.65	1.70	1.76	1.72	1.76	1.81	1.88	1.81	1.85	1.91	1.98	1.89	1.93	2.00	2.07	1.96	2.00	2.07	2.15		
Amps		6.7	6.8	7.0	7.2	7.2	7.3	7.5	7.8	7.7	7.9	8.1	8.4	8.2	8.3	8.6	8.9	8.6	8.8	9.1	9.4	9.1	9.3	9.6	9.9		
HI PR	227	244	258	269	255	274	290	302	290	312	329	344	330	355	375	391	371	400	422	440	410	442	466	486			
LO PR	113	120	131	139	119	127	138	147	124	131	144	153	130	138	151	161	136	145	158	168	141	150	163	174			
720	MBh	22.7	23.2	24.3	25.9	22.2	22.6	23.7	25.3	21.7	22.1	23.2	24.7	21.2	21.6	22.6	24.1	20.1	20.5	21.5	22.9	18.6	19.0	19.9	21.2		
	S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72		
	Δ T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20		
	kW	1.45	1.49	1.53	1.59	1.57	1.60	1.66	1.71	1.67	1.71	1.77	1.83	1.76	1.80	1.86	1.93	1.84	1.88	1.95	2.01	1.91	1.95	2.02	2.09		
	Amps	6.5	6.7	6.9	7.1	7.0	7.1	7.3	7.6	7.5	7.7	7.9	8.2	8.0	8.1	8.4	8.7	8.4	8.6	8.9	9.2	8.9	9.1	9.3	9.7		
HI PR	220	237	250	261	247	266	281	293	281	303	319	333	320	345	364	380	360	388	409	427	398	428	452	472			
LO PR	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	140	153	163	137	145	159	169			

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 — GPC1430H41**

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	MBh	27.8	28.8	31.6	-	27.2	28.2	30.9	-	26.5	27.5	30.1	-	25.9	26.8	29.4	-	24.6	25.5	27.9	-	24.6	25.5	27.9	-	22.8	23.6	25.9	-
	S/T	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
	Δ T	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	14	11	-	17	14	11	-	16	13	10	-
	kW	1.75	1.78	1.84	-	1.89	1.93	1.99	-	2.01	2.05	2.12	-	2.12	2.16	2.24	-	2.21	2.26	2.34	-	2.21	2.26	2.34	-	2.29	2.34	2.42	-
	Amps	7.9	8.1	8.3	-	8.5	8.6	8.9	-	9.1	9.3	9.5	-	9.6	9.8	10.1	-	10.2	10.4	10.7	-	10.2	10.4	10.7	-	10.7	10.9	11.3	-
	HI PR	234	252	266	-	263	283	299	-	299	322	340	-	341	367	387	-	383	412	435	-	383	412	435	-	423	456	481	-
	LO PR	108	115	125	-	114	121	132	-	118	126	138	-	124	132	145	-	130	139	151	-	130	139	151	-	135	143	157	-
	MBh	27.0	28.0	30.7	-	26.4	27.4	30.0	-	25.8	26.7	29.3	-	25.1	26.1	28.5	-	23.9	24.7	27.1	-	23.9	24.7	27.1	-	22.1	22.9	25.1	-
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.80	0.67	0.47	-	0.81	0.68	0.47	-
	Δ T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	17	15	11	-	16	14	11	-
kW	1.73	1.77	1.83	-	1.87	1.91	1.97	-	1.99	2.04	2.10	-	2.10	2.15	2.22	-	2.19	2.24	2.32	-	2.19	2.24	2.32	-	2.27	2.32	2.40	-	
Amps	7.9	8.0	8.2	-	8.4	8.6	8.8	-	9.0	9.2	9.5	-	9.5	9.8	10.0	-	10.1	10.3	10.6	-	10.1	10.3	10.6	-	10.6	10.8	11.2	-	
HI PR	232	250	264	-	260	280	296	-	296	319	336	-	337	363	383	-	379	408	431	-	379	408	431	-	419	451	476	-	
LO PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	129	137	150	-	134	142	155	-	
MBh	25.7	26.6	29.1	-	25.1	26.0	28.5	-	24.5	25.4	27.8	-	23.9	24.7	27.1	-	22.7	23.5	25.8	-	22.7	23.5	25.8	-	21.0	21.8	23.9	-	
S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.77	0.64	0.45	-	0.78	0.65	0.45	-	
Δ T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	18	15	12	-	17	14	11	-	
kW	1.70	1.74	1.80	-	1.84	1.88	1.94	-	1.96	2.00	2.07	-	2.06	2.11	2.18	-	2.15	2.20	2.28	-	2.15	2.20	2.28	-	2.23	2.28	2.36	-	
Amps	7.7	7.9	8.1	-	8.3	8.4	8.7	-	8.9	9.1	9.3	-	9.4	9.6	9.9	-	9.9	10.1	10.4	-	9.9	10.1	10.4	-	10.4	10.7	11.0	-	
HI PR	227	245	258	-	255	275	290	-	290	312	330	-	330	356	376	-	372	400	422	-	372	400	422	-	411	442	467	-	
LO PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	127	135	147	-	127	135	147	-	131	139	152	-	
75	MBh	28.3	29.1	31.5	33.9	27.6	28.5	30.8	33.1	27.0	27.8	30.1	32.3	26.3	27.1	29.3	31.5	25.0	25.8	27.9	29.9	25.0	25.8	27.9	29.9	23.2	23.9	25.8	27.7
	S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42	0.97	0.87	0.65	0.42
	Δ T	19	18	14	10	19	18	15	10	19	18	15	10	20	18	15	10	19	18	15	10	19	18	15	10	18	17	14	9
	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	2.23	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	10.2	10.5	10.8	11.1	10.8	11.0	11.3	11.7
	HI PR	237	255	269	281	266	286	302	315	302	325	343	358	344	370	391	408	387	417	440	459	387	417	440	459	428	460	486	507
	LO PR	109	116	127	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	132	140	153	163	136	145	158	169
	MBh	27.5	28.3	30.6	32.9	26.8	27.6	29.9	32.1	26.2	27.0	29.2	31.3	25.6	26.3	28.5	30.6	24.3	25.0	27.1	29.0	24.3	25.0	27.1	29.0	22.5	23.2	25.1	26.9
	S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.91	0.82	0.62	0.40	0.92	0.83	0.62	0.40
	Δ T	20	18	15	10	20	19	15	10	20	19	15	11	20	19	15	11	20	18	15	10	20	18	15	10	19	17	14	10
kW	1.75	1.79	1.84	1.90	1.89	1.93	1.99	2.06	2.01	2.05	2.12	2.20	2.12	2.17	2.24	2.32	2.21	2.26	2.34	2.42	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	10.2	10.4	10.7	11.0	10.7	10.9	11.3	11.6	
HI PR	234	252	266	278	263	283	299	312	299	322	340	354	341	367	387	404	383	412	435	454	383	412	435	454	423	456	481	502	
LO PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	139	151	161	130	139	151	161	135	144	157	167	
MBh	26.1	26.9	29.1	31.2	25.5	26.3	28.4	30.5	24.9	25.6	27.7	29.8	24.3	25.0	27.1	29.0	23.1	23.8	25.7	27.6	23.1	23.8	25.7	27.6	21.4	22.0	23.8	25.6	
S/T	0.77	0.69	0.52	0.34	0.80	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.84	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.88	0.78	0.59	0.38	0.88	0.79	0.60	0.38	
Δ T	21	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10	
kW	1.72	1.76	1.81	1.87	1.85	1.90	1.96	2.02	1.97	2.02	2.09	2.16	2.08	2.13	2.20	2.28	2.17	2.22	2.30	2.38	2.17	2.22	2.30	2.38	2.25	2.30	2.38	2.46	
Amps	7.8	8.0	8.2	8.4	8.3	8.5	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.9	10.0	10.2	10.5	10.9	10.5	10.7	11.1	11.4	
HI PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	376	404	427	445	376	404	427	445	415	447	472	492	
LO PR	106	112	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	148	158	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 (ITVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = total system power

EXPANDED COOLING DATA — GPC1430H41** (CONT.)

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	
80	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	HI PR	239	257	272	283	268	289	305	318	305	328	347	362	348	374	395	412	391	421	444	463	432	465	491	512
		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
		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
900	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	
	HI PR	237	255	269	281	266	286	302	315	302	325	343	358	344	370	391	408	387	417	440	459	428	460	486	507	
	LO PR	109	116	127	135	115	123	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	169	
	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	
85	1145	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	1.79	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
		HI PR	241	260	274	286	271	292	308	321	308	332	350	365	351	378	399	416	395	425	449	468	436	470	496	517
	1020	LO PR	111	118	129	138	117	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	161	172
		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
900	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	
	HI PR	239	257	272	283	268	289	305	318	305	328	347	362	348	374	395	412	391	421	444	463	432	465	491	512	
	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	
	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	
85	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	
	HI PR	234	252	266	278	263	283	299	312	299	322	340	354	341	367	387	404	383	412	435	454	423	456	481	502	
	LO PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	139	151	161	135	143	157	167	

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 — GPC1436H41**

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	1350	MBh	35.8	37.1	40.7	-	35.0	36.3	39.8	-	34.2	35.4	38.8	-	33.3	34.6	37.9	-	31.7	32.8	36.0	-	29.3	30.4	33.3	-	
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-	
	Δ T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-		
	kW	10.3	2.42	2.50	-	2.56	2.61	2.70	-	2.72	2.78	2.87	-	2.86	2.93	3.02	-	2.98	3.05	3.15	-	3.09	3.16	3.26	-		
	Amps	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	415	439	-	426	459	485	-		
	HI PR	110	117	128	-	117	124	135	-	121	129	141	-	127	135	148	-	133	142	155	-	138	147	160	-		
	LO PR	34.8	36.1	39.5	-	34.0	35.2	38.6	-	33.2	34.4	37.7	-	32.4	33.5	36.8	-	30.7	31.9	34.9	-	28.5	29.5	32.3	-		
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-		
	Δ T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-		
	kW	2.35	2.40	2.48	-	2.54	2.59	2.67	-	2.70	2.76	2.85	-	2.84	2.90	3.00	-	2.96	3.02	3.13	-	3.06	3.13	3.24	-		
Amps	10.2	10.4	10.7	-	10.9	11.1	11.4	-	11.7	11.9	12.3	-	12.4	12.7	13.1	-	13.1	13.4	13.8	-	13.8	14.1	14.5	-			
HI PR	234	251	266	-	262	282	298	-	298	321	339	-	340	365	386	-	382	411	434	-	422	454	480	-			
LO PR	109	116	127	-	115	123	134	-	120	128	139	-	126	134	146	-	132	141	153	-	137	145	159	-			
75	1350	MBh	32.1	33.3	36.5	-	31.4	32.5	35.6	-	30.6	31.7	34.8	-	29.9	31.0	33.9	-	28.4	29.4	32.2	-	26.3	27.2	29.9	-	
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.66	0.45	-	
	Δ T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-		
	kW	2.30	2.35	2.42	-	2.47	2.53	2.61	-	2.63	2.69	2.77	-	2.77	2.83	2.92	-	2.88	2.95	3.05	-	2.98	3.05	3.15	-		
	Amps	9.9	10.1	10.4	-	10.6	10.8	11.2	-	11.4	11.7	12.0	-	12.1	12.4	12.7	-	12.8	13.1	13.5	-	13.5	13.8	14.2	-		
	HI PR	227	244	258	-	254	274	289	-	289	311	329	-	329	355	374	-	371	399	421	-	409	441	465	-		
	LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-		
	75	1350	MBh	36.4	37.5	40.6	43.6	35.6	36.7	39.7	42.6	34.7	35.8	38.7	41.6	33.9	34.9	37.8	40.6	32.2	33.2	35.9	38.5	29.8	30.7	33.2	35.7
			S/T	0.84	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42
		Δ T	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10	
kW		2.39	2.44	2.52	2.60	2.58	2.63	2.72	2.81	2.74	2.80	2.89	2.99	2.89	2.95	3.05	3.15	3.01	3.08	3.18	3.29	3.12	3.19	3.29	3.41		
Amps		10.3	10.5	10.8	11.2	11.1	11.3	11.6	12.0	11.9	12.1	12.5	12.9	12.6	12.9	13.3	13.7	13.3	13.6	14.0	14.5	14.0	14.4	14.8	15.3		
HI PR		238	257	271	283	268	288	304	317	304	327	346	361	347	373	394	411	390	420	443	462	431	464	489	510		
LO PR		111	119	129	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	157	167	139	148	162	172		
75		1350	MBh	35.4	36.4	39.4	42.3	34.6	35.6	38.5	41.3	33.7	34.7	37.6	40.4	32.9	33.9	36.7	39.4	31.3	32.2	34.8	37.4	29.0	29.8	32.3	34.6
			S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Δ T	22	20	16	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	21	19	15	11	
	kW	2.37	2.42	2.50	2.58	2.56	2.61	2.70	2.79	2.72	2.78	2.87	2.97	2.86	2.93	3.02	3.12	2.98	3.05	3.15	3.26	3.09	3.16	3.27	3.38		
	Amps	10.3	10.5	10.8	11.1	11.0	11.2	11.5	11.9	11.8	12.0	12.4	12.8	12.5	12.8	13.2	13.6	13.2	13.5	13.9	14.4	13.9	14.2	14.7	15.2		
	HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	457	426	459	485	505		
	LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	171		
	75	1201	MBh	32.7	33.6	36.4	39.1	31.9	32.8	35.6	38.2	31.1	32.1	34.7	37.2	30.4	31.3	33.9	36.3	28.9	29.7	32.2	34.5	26.7	27.5	29.8	32.0
			S/T	0.78	0.69	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.39	0.89	0.80	0.60	0.39
		Δ T	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11	
kW		2.32	2.36	2.44	2.52	2.49	2.55	2.63	2.72	2.65	2.71	2.80	2.89	2.79	2.85	2.95	3.05	2.91	2.97	3.07	3.18	3.01	3.08	3.18	3.29		
Amps		10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.5	11.8	12.1	12.5	12.2	12.5	12.8	13.3	12.9	13.2	13.6	14.0	13.6	13.9	14.3	14.8		
HI PR		229	246	260	271	257	276	292	304	292	314	332	346	333	358	378	394	374	403	425	444	414	445	470	490		
LO PR		107	114	124	132	113	120	131	140	118	125	137	145	123	131	143	153	129	138	150	160	134	142	155	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 — GPC1436H41** (CONT.)

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	
80	1350	MBh	37.1	37.9	40.5	43.3	36.2	37.0	39.6	42.3	35.4	36.1	38.6	41.3	34.5	35.3	37.7	40.3	32.8	33.5	35.8	38.3	30.4	31.0	33.1	35.4
		S/T	0.93	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	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61
		Δ T	23	22	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	23	20	16	21	21	18	15
		kW	2.41	2.46	2.54	2.62	2.60	2.65	2.74	2.83	2.76	2.83	2.92	3.02	2.91	2.98	3.07	3.18	3.03	3.10	3.21	3.32	3.14	3.21	3.32	3.44
		Amps	10.4	10.6	10.9	11.3	11.1	11.4	11.7	12.1	12.0	12.2	12.6	13.0	12.7	13.0	13.4	13.8	13.4	13.7	14.2	14.6	14.2	14.5	14.9	15.4
	HI PR	241	259	274	285	270	291	307	320	307	331	349	364	350	377	398	415	394	424	447	467	435	468	494	516	
	LO PR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	168	141	150	164	174	
	MBh	36.0	36.8	39.3	42.0	35.2	35.9	38.4	41.1	34.3	35.1	37.5	40.1	33.5	34.2	36.6	39.1	31.8	32.5	34.7	37.1	29.5	30.1	32.2	34.4	
	S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	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	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	24	23	20	16	23	22	19	15	
kW	2.39	2.44	2.52	2.60	2.58	2.63	2.72	2.81	2.74	2.80	2.89	2.99	2.89	2.95	3.05	3.15	3.01	3.08	3.18	3.29	3.12	3.19	3.29	3.41		
Amps	10.3	10.6	10.8	11.2	11.1	11.3	11.6	12.0	11.9	12.1	12.5	12.9	12.6	12.9	13.3	13.7	13.3	13.6	14.0	14.5	14.0	14.4	14.8	15.3		
HI PR	238	257	271	283	268	288	304	317	304	327	346	361	347	373	394	411	390	420	443	462	431	464	489	511		
LO PR	111	119	129	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	157	167	139	148	162	172		
MBh	33.2	34.0	36.3	38.8	32.5	33.2	35.4	37.9	31.7	32.4	34.6	37.0	30.9	31.6	33.8	36.1	29.4	30.0	32.1	34.3	27.2	27.8	29.7	31.8		
S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56		
Δ T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15		
kW	2.33	2.38	2.46	2.54	2.51	2.57	2.65	2.74	2.67	2.73	2.82	2.92	2.81	2.88	2.97	3.07	2.93	3.00	3.10	3.20	3.04	3.10	3.21	3.32		
Amps	10.1	10.3	10.6	10.9	10.8	11.0	11.3	11.7	11.6	11.9	12.2	12.6	12.3	12.6	12.9	13.4	13.0	13.3	13.7	14.2	13.7	14.0	14.4	14.9		
HI PR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	398	378	407	430	448	418	450	475	495		
LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167		
85	1350	MBh	37.7	38.5	40.3	43.0	36.9	37.6	39.4	42.0	36.0	36.7	38.4	41.0	35.1	35.8	37.5	40.0	33.4	34.0	35.6	38.0	30.9	31.5	33.0	35.2
		S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	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	25	25	23	20	25	25	24	20	25	25	24	20	24	24	24	21	23	23	23	20	21	21	22	19
		kW	2.43	2.48	2.56	2.65	2.62	2.68	2.76	2.86	2.79	2.85	2.94	3.04	2.93	3.00	3.10	3.21	3.06	3.13	3.23	3.34	3.17	3.24	3.35	3.47
		Amps	10.5	10.7	11.0	11.4	11.2	11.5	11.8	12.2	12.1	12.3	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
	HI PR	243	262	276	288	273	294	310	323	310	334	353	368	354	380	402	419	398	428	452	471	439	473	499	521	
	LO PR	114	121	132	141	120	128	140	149	125	133	145	154	131	140	152	162	137	146	160	170	142	151	165	176	
	MBh	36.6	37.4	39.1	41.7	35.8	36.5	38.2	40.8	34.9	35.6	37.3	39.8	34.1	34.7	36.4	38.8	32.4	33.0	34.6	36.9	30.7	30.6	32.0	34.2	
	S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75	
	Δ T	26	26	24	21	26	26	24	21	26	26	24	21	26	26	25	21	25	25	24	21	23	23	23	20	
kW	2.41	2.46	2.54	2.62	2.60	2.65	2.74	2.83	2.76	2.83	2.92	3.02	2.91	2.98	3.07	3.18	3.03	3.10	3.21	3.32	3.14	3.21	3.32	3.44		
Amps	10.4	10.6	10.9	11.3	11.1	11.4	11.7	12.1	12.0	12.2	12.6	13.0	12.7	13.0	13.4	13.8	13.4	13.7	14.2	14.6	14.2	14.5	14.9	15.4		
HI PR	241	259	274	285	270	291	307	320	307	331	349	364	350	377	398	415	394	424	447	467	435	468	494	516		
LO PR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	168	141	150	164	174		
MBh	33.8	34.5	36.1	38.5	33.0	33.7	35.3	37.6	32.2	32.9	34.4	36.7	31.5	32.1	33.6	35.8	29.9	30.5	31.9	34.0	27.7	28.2	29.6	31.5		
S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.72		
Δ T	26	26	25	21	27	26	25	21	27	26	25	22	27	26	25	22	26	26	25	21	24	24	23	20		
kW	2.35	2.40	2.48	2.56	2.53	2.59	2.67	2.76	2.70	2.75	2.84	2.94	2.84	2.90	3.00	3.10	2.96	3.02	3.12	3.23	3.06	3.13	3.24	3.35		
Amps	10.2	10.4	10.7	11.0	10.9	11.1	11.4	11.8	11.7	11.9	12.3	12.7	12.4	12.7	13.0	13.5	13.1	13.4	13.8	14.3	13.8	14.1	14.5	15.0		
HI PR	234	251	265	277	262	282	298	311	298	321	339	353	340	365	386	402	382	411	434	453	422	454	480	500		
LO PR	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	140	153	163	137	145	159	169		

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	-
		kW	2.68	2.74	2.82	-	2.89	2.95	3.04	-	3.07	3.14	3.24	-	3.23	3.30	3.41	-	3.37	3.44	3.56	-	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	-	14.2	14.5	15.0	-	15.1	15.4	15.9	-	15.9	16.3	16.8	-
		HIPR	241	260	274	-	271	291	308	-	308	331	350	-	351	377	399	-	395	425	448	-	436	469	495	-
		LO PR	109	116	127	-	115	122	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-
		MBh	38.6	40.1	43.9	-	37.7	39.1	42.9	-	36.8	38.2	41.8	-	35.9	37.3	40.8	-	34.1	35.4	38.8	-	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	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
		Δ T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		kW	2.66	2.72	2.80	-	2.86	2.92	3.02	-	3.04	3.11	3.21	-	3.20	3.27	3.38	-	3.34	3.41	3.53	-	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	-	14.1	14.4	14.8	-	14.9	15.3	15.8	-	15.8	16.1	16.7	-
	HIPR	239	257	272	-	268	289	305	-	305	328	346	-	347	374	395	-	391	420	444	-	432	465	491	-	
	LO PR	108	115	125	-	114	121	132	-	118	126	138	-	124	132	145	-	130	139	151	-	135	144	157	-	
	MBh	35.7	37.0	40.5	-	34.8	36.1	39.6	-	34.0	35.2	38.6	-	33.2	34.4	37.7	-	31.5	32.7	35.8	-	29.2	30.3	33.2	-	
	S/T	0.66	0.55	0.38	-	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-	
	Δ T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	
	kW	2.60	2.65	2.73	-	2.79	2.85	2.94	-	2.97	3.03	3.13	-	3.12	3.19	3.30	-	3.25	3.33	3.44	-	3.37	3.44	3.56	-	
	Amps	11.0	11.3	11.6	-	11.9	12.2	12.5	-	12.8	13.1	13.6	-	13.7	14.0	14.4	-	14.5	14.9	15.3	-	15.3	15.7	16.2	-	
	HIPR	232	249	263	-	260	280	296	-	296	318	336	-	337	363	383	-	379	408	431	-	419	451	476	-	
	LO PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	127	135	147	-	131	139	152	-	
75	1432	MBh	40.5	41.7	45.1	48.4	39.5	40.7	44.1	47.3	38.6	39.7	43.0	46.2	37.7	38.8	42.0	45.0	35.8	36.8	39.9	42.8	33.1	34.1	36.9	39.6
		S/T	0.82	0.73	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.93	0.84	0.63	0.41	0.94	0.84	0.64	0.41
		Δ 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
		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
		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
		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
		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	
	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	
	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	
	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 — GPC1442H41** (CONT.)

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					
80	1432	MBh	41.2	42.1	45.0	48.1	40.2	41.1	43.9	47.0	39.3	40.1	42.9	45.8	38.3	39.2	41.8	44.7	36.4	37.2	39.7	42.5	35.3	36.1	38.6	41.2	32.7	33.5	35.7	38.2
		S/T	0.90	0.84	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59
		Δ T	24	23	20	16	24	23	20	16	24	23	20	16	25	23	20	16	23	23	20	16	22	21	19	15	22	21	19	15
		kW	2.72	2.78	2.87	2.96	2.93	3.00	3.09	3.20	3.12	3.19	3.29	3.40	3.28	3.36	3.47	3.58	3.42	3.50	3.62	3.74	3.54	3.62	3.75	3.87	3.54	3.62	3.75	3.87
		Amps	11.6	11.9	12.3	12.7	12.5	12.8	13.2	13.7	13.5	13.9	14.3	14.8	14.4	14.8	15.2	15.8	15.3	15.7	16.2	16.8	16.2	16.6	17.1	17.8	16.2	16.6	17.1	17.8
	HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	433	458	477	445	479	506	527	445	479	506	527	
	LO PR	111	118	129	138	117	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	161	172	139	148	161	172	
	MBh	40.0	40.9	43.7	46.7	39.1	39.9	42.6	45.6	38.1	39.0	41.6	44.5	37.2	38.0	40.6	43.4	35.3	36.1	38.6	41.2	32.7	33.5	35.7	38.2	32.7	33.5	35.7	38.2	
	S/T	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.92	0.75	0.56	0.99	0.92	0.75	0.56	
	Δ T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	23	20	16	23	22	19	16	
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	3.40	3.47	3.59	3.71	3.51	3.59	3.71	3.84	3.51	3.59	3.71	3.84		
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	16.1	16.4	17.0	17.6		
HI PR	244	262	277	289	274	294	311	324	311	335	354	369	354	381	403	420	399	429	453	473	440	474	501	522	440	474	501	522		
LO PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	148	157	133	142	155	165	138	146	160	170	138	146	160	170		
MBh	36.9	37.7	40.3	43.1	36.1	36.8	39.4	42.1	35.2	36.0	38.4	41.1	34.3	35.1	37.5	40.1	32.6	33.3	35.6	38.1	30.2	30.9	33.0	35.3	30.2	30.9	33.0	35.3		
S/T	0.83	0.78	0.63	0.47	0.86	0.80	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.95	0.89	0.73	0.54	0.95	0.89	0.73	0.54		
Δ T	25	24	21	17	25	24	21	17	26	24	21	17	26	25	21	17	25	24	21	17	24	23	20	16	24	23	20	16		
kW	2.64	2.69	2.78	2.87	2.84	2.90	2.99	3.09	3.02	3.08	3.18	3.29	3.18	3.25	3.35	3.46	3.31	3.38	3.50	3.61	3.43	3.50	3.62	3.74	3.43	3.50	3.62	3.74		
Amps	11.2	11.5	11.8	12.3	12.1	12.4	12.7	13.2	13.1	13.4	13.8	14.3	13.9	14.3	14.7	15.2	14.8	15.1	15.6	16.2	15.6	16.0	16.5	17.1	15.6	16.0	16.5	17.1		
HI PR	236	255	269	280	265	286	302	315	302	325	343	358	344	370	391	407	387	416	439	458	427	460	486	506	427	460	486	506		
LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165	134	142	155	165		
85	1432	MBh	41.9	42.7	44.7	47.7	40.9	41.7	43.7	46.6	40.0	40.7	42.7	45.5	39.0	39.7	41.6	44.4	37.0	37.8	39.5	42.2	34.3	35.0	36.6	39.1	34.3	35.0	36.6	39.1
		S/T	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.76
		Δ T	25	25	24	20	26	25	24	21	26	25	24	21	25	25	24	21	24	24	24	21	22	22	22	19	22	22	22	19
		kW	2.75	2.80	2.89	2.99	2.96	3.02	3.12	3.22	3.15	3.21	3.32	3.43	3.31	3.39	3.50	3.62	3.45	3.53	3.65	3.77	3.57	3.65	3.78	3.91	3.57	3.65	3.78	3.91
		Amps	11.7	12.0	12.4	12.8	12.6	12.9	13.3	13.8	13.7	14.0	14.4	14.9	14.6	14.9	15.4	15.9	15.5	15.8	16.3	16.9	16.3	16.7	17.3	17.9	16.3	16.7	17.3	17.9
	HI PR	249	268	283	295	279	300	317	331	317	342	361	376	361	389	411	428	407	438	462	482	449	484	511	533	449	484	511	533	
	LO PR	112	119	130	139	119	126	138	147	123	131	143	153	130	138	150	160	136	144	158	168	140	149	163	174	140	149	163	174	
	MBh	40.7	41.5	43.4	46.3	39.7	40.5	42.4	45.3	38.8	39.6	41.4	44.2	37.9	38.6	40.4	43.1	36.0	36.7	38.4	41.0	33.3	34.0	35.6	37.9	33.3	34.0	35.6	37.9	
	S/T	0.90	0.87	0.78	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	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.90	0.73	
	Δ T	26	26	25	21	27	26	25	22	27	26	25	22	27	27	25	22	26	26	25	21	24	24	23	20	24	24	23	20	
kW	2.72	2.78	2.87	2.96	2.93	3.00	3.09	3.20	3.12	3.19	3.29	3.40	3.28	3.36	3.47	3.58	3.42	3.50	3.62	3.74	3.54	3.62	3.75	3.87	3.54	3.62	3.75	3.87		
Amps	11.6	11.9	12.3	12.7	12.5	12.8	13.2	13.7	13.5	13.9	14.3	14.8	14.4	14.8	15.2	15.8	15.3	15.7	16.2	16.8	16.2	16.6	17.1	17.8	16.2	16.6	17.1	17.8		
HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	433	458	477	445	479	506	527	445	479	506	527		
LO PR	111	118	129	138	117	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	161	172	139	148	161	172		
MBh	37.6	38.3	40.1	42.8	36.7	37.4	39.2	41.8	35.8	36.5	38.2	40.8	34.9	35.6	37.3	39.8	33.2	33.8	35.4	37.8	30.7	31.3	32.8	35.0	30.7	31.3	32.8	35.0		
S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.96	0.87	0.70	1.00	0.96	0.87	0.70		
Δ T	27	26	25	22	27	27	25	22	27	27	25	22	27	27	25	22	27	27	25	22	25	25	23	20	25	25	23	20		
kW	2.66	2.71	2.80	2.89	2.86	2.92	3.02	3.12	3.04	3.11	3.21	3.32	3.20	3.27	3.38	3.49	3.34	3.41	3.52	3.64	3.45	3.53	3.65	3.77	3.45	3.53	3.65	3.77		
Amps	11.3	11.6	11.9	12.4	12.2	12.5	12.9	13.3	13.2	13.5	13.9	14.4	14.1	14.4	14.8	15.4	14.9	15.3	15.8	16.3	15.8	16.1	16.7	17.3	15.8	16.1	16.7	17.3		
HI PR	239	257	271	283	268	288	305	318	305	328	346	361	347	374	395	411	391	420	444	463	432	464	490	511	432	464	490	511		
LO PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	139	151	161	135	143	157	167	135	143	157	167		

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 — GPC1448H41**

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	
70	1777	MBh	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	-
	1582	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	-
	1386	LO PR	111	118	129	-	117	125	136	-	122	129	141	-	128	136	148	-	134	143	156	-	139	147	161	-
		MBh	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	-
	1386	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	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	-
1386	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	-	
	MBh	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	-	
1386	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	0.45	-	
	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	-	
1386	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	-	
75	1777	MBh	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
	1582	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
	1386	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
		MBh	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
	1582	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
1386	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	
	MBh	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	
1386	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	
1386	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	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		
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	0.81	0.61	1.00	1.00	0.82	0.61	
	1582	ΔT	23	22	19	15	23	22	19	16	24	22	20	16	23	23	20	16	22	22	19	15	20	21	18	14	
		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	3.45	3.59	3.37	3.46	3.60	3.74	
	1386	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	441	460	429	461	487	508	
	1177	LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	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	44.7	47.8	37.9	38.8	41.4	44.3	
	85	1777	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
			ΔT	24	23	20	16	24	23	20	16	24	23	20	16	25	24	20	16	24	23	20	16	22	22	19	15
1582	1386	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	3.05	3.13	3.25	3.38	3.20	3.29	3.42	3.56	3.34	3.43	3.56	3.70	
		Amps	13.3	13.5	13.9	14.4	14.2	14.5	15.0	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	
1177	1582	HI PR	235	253	267	278	264	284	299	312	300	323	341	355	341	367	388	405	384	413	436	455	424	457	482	503	
		LO PR	112	119	130	139	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173	
1386	1777	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	35.0	35.8	38.2	40.9	
		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	
1582	1386	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	2.34	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	3.31	3.45	3.24	3.32	3.45	3.59	
1177	1582	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	17.7	18.3	17.7	18.1	18.6	19.3	
		HI PR	228	245	259	270	256	275	290	303	291	313	330	345	331	356	376	392	373	401	423	441	412	443	468	488	
1386	1777	LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	152	162	136	144	158	168	
		MBh	48.6	49.5	51.9	55.3	47.4	48.4	50.7	54.0	46.3	47.2	49.4	52.8	45.2	46.1	48.2	51.5	42.9	43.8	45.8	48.9	39.8	40.5	42.5	45.3	
1777	1582	S/T	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.96	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.80	
		ΔT	25	24	23	20	25	25	23	20	24	24	23	20	23	24	23	20	22	23	23	20	21	21	22	19	
1582	1386	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	3.49	3.63	3.40	3.49	3.63	3.78	
		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	
1177	1582	HI PR	240	258	272	284	269	289	305	319	306	329	347	362	348	375	396	413	392	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	160	171	143	152	166	177	
1582	1386	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	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	
1177	1582	ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	24	25	24	21	22	23	22	19	
		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	3.45	3.59	3.37	3.46	3.60	3.74	
1386	1777	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	441	460	429	461	487	508	
1777	1582	LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	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	35.6	36.3	38.0	40.6	
1582	1386	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	
		ΔT	26	26	24	21	26	26	25	21	26	26	25	21	27	26	25	21	26	26	24	21	24	24	23	20	
1386	1777	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	3.35	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	17.8	18.4	17.8	18.2	18.8	19.5	
1777	1582	HI PR	230	248	261	273	258	278	293	306	294	316	334	348	334	360	380	396	376	405	428	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	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	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	1900	MBh	56.3	58.4	64.0	-	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	-	0.78	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	-	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	-	
	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	-	
	HI PR	238	256	271	-	267	288	304	-	304	327	345	-	346	373	393	-	390	419	443	-	430	463	489	-	
	LO PR	108	115	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	139	151	-	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	-	
	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	-	
	Δ T	21	19	14	-	22	19	14	-	22	19	14	-	22	19	14	-	22	19	14	-	20	17	13	-	
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	-		
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	-		
HI PR	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	415	438	-	426	459	484	-		
LO PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	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	-		
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	-		
Δ T	22	19	14	-	22	19	14	-	22	19	15	-	22	19	15	-	22	19	14	-	20	18	13	-		
kW	3.58	3.66	3.78	-	3.87	3.95	4.08	-	4.12	4.21	4.35	-	4.34	4.44	4.59	-	4.53	4.63	4.79	-	4.69	4.80	4.97	-		
Amps	15.2	15.5	16.0	-	16.3	16.7	17.2	-	17.6	18.0	18.6	-	18.7	19.2	19.8	-	19.9	20.3	21.0	-	21.0	21.5	22.2	-		
HI PR	229	246	260	-	257	276	292	-	292	314	332	-	333	358	378	-	374	403	425	-	413	445	470	-		
LO PR	103	110	120	-	109	116	127	-	114	121	132	-	119	127	139	-	125	133	145	-	129	138	150	-		
75	1900	MBh	57.3	59.0	63.9	68.5	56.0	57.6	62.4	66.9	54.6	56.3	60.9	65.3	53.3	54.9	59.4	63.8	50.6	52.1	56.4	60.6	46.9	48.3	52.3	56.1
		S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.38	0.89	0.80	0.60	0.39	0.92	0.83	0.63	0.40	0.93	0.83	0.63	0.41
	Δ T	24	22	18	12	24	22	18	13	24	22	18	13	24	22	18	13	24	22	18	12	22	21	17	12	
	kW	3.73	3.82	3.94	4.07	4.03	4.12	4.26	4.41	4.30	4.40	4.55	4.70	4.53	4.64	4.79	4.96	4.73	4.84	5.01	5.18	4.90	5.02	5.19	5.37	
	Amps	15.8	16.2	16.7	17.2	17.0	17.4	17.9	18.6	18.4	18.8	19.4	20.1	19.6	20.0	20.7	21.4	20.8	21.3	21.9	22.7	21.9	22.5	23.2	24.0	
	HI PR	241	259	273	285	270	291	307	320	307	330	349	364	350	376	397	415	393	423	447	466	435	468	494	515	
	LO PR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168	
	MBh	55.6	57.3	62.0	66.5	54.3	55.9	60.6	65.0	53.0	54.6	59.1	63.4	51.8	53.3	57.7	61.9	49.2	50.6	54.8	58.8	45.5	46.9	50.8	54.5	
	S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	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	0.39	
	Δ T	25	23	19	13	25	23	19	13	25	23	19	13	25	23	19	13	25	23	19	13	23	21	18	12	
kW	3.70	3.79	3.91	4.04	4.00	4.09	4.23	4.37	4.26	4.36	4.51	4.66	4.49	4.60	4.75	4.92	4.69	4.80	4.96	5.14	4.86	4.97	5.14	5.32		
Amps	15.7	16.0	16.5	17.1	16.9	17.3	17.8	18.4	18.2	18.6	19.2	19.9	19.4	19.9	20.5	21.2	20.6	21.1	21.7	22.5	21.7	22.3	23.0	23.8		
HI PR	238	256	271	282	267	288	304	317	304	327	346	360	346	373	394	410	390	419	443	462	430	463	489	510		
LO PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	157	167		
MBh	51.3	52.9	57.2	61.4	50.2	51.6	55.9	60.0	49.0	50.4	54.6	58.6	47.8	49.2	53.2	57.1	45.4	46.7	50.6	54.3	42.0	43.3	46.8	50.3		
S/T	0.75	0.67	0.51	0.33	0.77	0.69	0.52	0.34	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	0.37		
Δ T	25	23	19	13	25	23	19	13	26	24	19	13	26	24	19	13	25	23	19	13	24	22	18	12		
kW	3.61	3.69	3.81	3.94	3.90	3.99	4.12	4.26	4.15	4.25	4.39	4.54	4.38	4.48	4.63	4.79	4.57	4.67	4.83	5.00	4.73	4.84	5.01	5.18		
Amps	15.3	15.6	16.1	16.7	16.4	16.8	17.3	17.9	17.8	18.2	18.7	19.4	18.9	19.3	19.9	20.7	20.0	20.5	21.2	21.9	21.2	21.7	22.4	23.2		
HI PR	231	249	263	274	259	279	295	307	295	317	335	350	336	361	382	398	378	407	429	448	418	449	474	495		
LO PR	105	111	121	129	110	118	128	137	115	122	133	142	121	128	140	149	126	134	147	156	131	139	152	162		

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 — GPC1460H41** (CONT.)

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		
80	1900	MBh	58.3	59.6	63.7	68.1	57.0	58.2	62.2	66.5	55.6	56.8	60.7	64.9	54.3	55.4	59.2	63.3	51.5	52.7	56.3	60.1	47.7	48.8	52.1	55.7	
		S/T	0.89	0.84	0.68	0.51	0.92	0.87	0.70	0.53	0.95	0.89	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58	
	1700	Δ T	27	25	22	18	27	26	22	18	27	26	22	18	28	26	23	18	26	26	22	18	24	24	21	17	
		kW	3.77	3.85	3.98	4.11	4.07	4.16	4.30	4.45	4.34	4.43	4.58	4.74	4.57	4.68	4.84	5.00	4.77	4.88	5.05	5.23	4.95	5.06	5.24	5.42	
	1500	Amps	16.0	16.3	16.8	17.4	17.2	17.5	18.1	18.7	18.5	19.0	19.6	20.3	19.8	20.2	20.8	21.6	21.0	21.4	22.1	22.9	22.1	22.7	23.4	24.2	
		HI PR	243	262	276	288	273	294	310	323	310	334	352	368	353	380	401	419	397	428	452	471	439	473	499	520	
	85	1900	LO PR	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170
			MBh	56.6	57.9	61.8	66.1	55.3	56.5	60.4	64.5	54.0	55.2	58.9	63.0	52.7	53.8	57.5	61.5	50.0	51.1	54.6	58.4	46.3	47.4	50.6	54.1
	1700	S/T	0.85	0.80	0.65	0.48	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.91	0.74	0.56	
		Δ T	28	26	23	18	28	27	23	19	28	27	23	19	28	27	24	19	28	27	23	19	26	25	22	17	
1500	kW	3.73	3.82	3.94	4.08	4.03	4.13	4.26	4.41	4.30	4.40	4.55	4.70	4.53	4.64	4.80	4.96	4.73	4.84	5.01	5.18	4.90	5.02	5.19	5.37		
	Amps	15.8	16.2	16.7	17.2	17.0	17.4	17.9	18.6	18.4	18.8	19.4	20.1	19.6	20.0	20.7	21.4	20.8	21.3	21.9	22.7	21.9	22.5	23.2	24.0		
85	1900	HI PR	241	259	273	285	270	291	307	320	307	331	349	364	350	376	398	415	394	423	447	466	435	468	494	515	
		LO PR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168	
1700	MBh	52.3	53.4	57.1	61.0	51.0	52.2	55.7	59.6	49.8	50.9	54.4	58.2	48.6	49.7	53.1	56.7	46.2	47.2	50.4	53.9	42.8	43.7	46.7	49.9		
	S/T	0.82	0.77	0.63	0.47	0.85	0.80	0.65	0.48	0.87	0.82	0.66	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.94	0.88	0.72	0.54		
1500	Δ T	28	27	23	19	28	27	24	19	28	27	24	19	29	27	24	19	28	27	24	19	26	25	22	18		
	kW	3.64	3.72	3.84	3.97	3.93	4.02	4.15	4.29	4.19	4.28	4.43	4.58	4.42	4.52	4.67	4.83	4.61	4.71	4.88	5.05	4.78	4.89	5.05	5.23		
85	1900	Amps	15.4	15.8	16.2	16.8	16.6	17.0	17.5	18.1	17.9	18.3	18.9	19.6	19.1	19.5	20.1	20.8	20.2	20.7	21.3	22.1	21.4	21.9	22.6	23.4	
		HI PR	233	251	265	277	262	282	298	310	298	321	339	353	339	365	386	402	382	411	434	452	422	454	479	500	
1700	LO PR	106	112	123	131	112	119	130	138	116	123	135	143	122	130	141	151	128	136	148	158	132	140	153	163		
	MBh	57.6	58.7	61.5	65.6	56.3	57.4	60.1	64.1	54.9	56.0	58.6	62.6	53.6	54.6	57.2	61.0	50.9	51.9	54.4	58.0	47.2	48.1	50.3	53.7		
1500	S/T	0.89	0.86	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72		
	Δ T	29	29	27	24	30	29	28	24	30	29	28	24	30	30	28	24	29	29	28	24	27	27	26	22		
85	1900	kW	3.80	3.88	4.01	4.14	4.10	4.20	4.34	4.48	4.37	4.47	4.62	4.78	4.61	4.72	4.88	5.05	4.81	4.93	5.09	5.27	4.99	5.10	5.28	5.47	
		Amps	16.1	16.5	17.0	17.5	17.3	17.7	18.2	18.9	18.7	19.1	19.7	20.4	19.9	20.4	21.0	21.8	21.1	21.6	22.3	23.1	22.3	22.9	23.6	24.5	
1700	HI PR	245	264	279	291	275	296	313	326	313	337	356	371	357	384	405	423	401	432	456	476	444	477	504	526		
	LO PR	111	118	129	137	117	125	136	145	122	130	142	151	128	136	149	158	134	143	156	166	139	148	161	172		
1500	MBh	57.6	58.7	61.5	65.6	56.3	57.4	60.1	64.1	54.9	56.0	58.6	62.6	53.6	54.6	57.2	61.0	50.9	51.9	54.4	58.0	47.2	48.1	50.3	53.7		
	S/T	0.89	0.86	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72		
85	1900	Δ T	29	29	27	24	30	29	28	24	30	29	28	24	30	30	28	24	29	29	28	24	27	27	26	22	
		kW	3.77	3.85	3.98	4.11	4.07	4.16	4.30	4.45	4.34	4.43	4.58	4.74	4.57	4.68	4.84	5.00	4.77	4.88	5.05	5.23	4.95	5.06	5.24	5.42	
1700	Amps	16.0	16.3	16.8	17.4	17.2	17.5	18.1	18.7	18.5	19.0	19.6	20.3	19.8	20.2	20.8	21.6	21.0	21.4	22.1	22.9	22.1	22.7	23.4	24.2		
	HI PR	243	262	276	288	273	294	310	323	310	334	352	368	353	380	401	419	397	428	452	471	439	473	499	520		
1500	LO PR	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170		
	MBh	53.2	54.2	56.8	60.6	51.9	52.9	55.4	59.2	50.7	51.7	54.1	57.7	49.5	50.4	52.8	56.3	47.0	47.9	50.2	53.5	43.5	44.4	46.5	49.6		
85	1900	S/T	0.86	0.83	0.75	0.61	0.89	0.86	0.78	0.63	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	0.99	0.95	0.86	0.70	
		Δ T	30	30	28	24	30	30	28	24	30	30	28	24	31	30	28	25	30	30	28	24	28	28	26	23	
1500	kW	3.67	3.75	3.88	4.01	3.97	4.05	4.19	4.33	4.23	4.32	4.47	4.62	4.45	4.56	4.71	4.87	4.65	4.76	4.92	5.09	4.82	4.93	5.10	5.28		
	Amps	15.6	15.9	16.4	17.0	16.7	17.1	17.6	18.2	18.1	18.5	19.1	19.7	19.2	19.7	20.3	21.0	20.4	20.9	21.5	22.3	21.5	22.1	22.8	23.6		
85	1900	HI PR	236	254	268	279	265	285	301	314	301	324	342	357	343	369	389	406	386	415	438	457	426	458	484	505	
		LO PR	107	113	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	159	133	142	155	165	

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.
 kW = total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

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 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 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 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 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 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

* 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
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
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
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
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
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

¹ Minimum Circuit Ampacity @ 208 / 240 V

² Maximum Overcurrent Protection Device @ 208 / 240 V

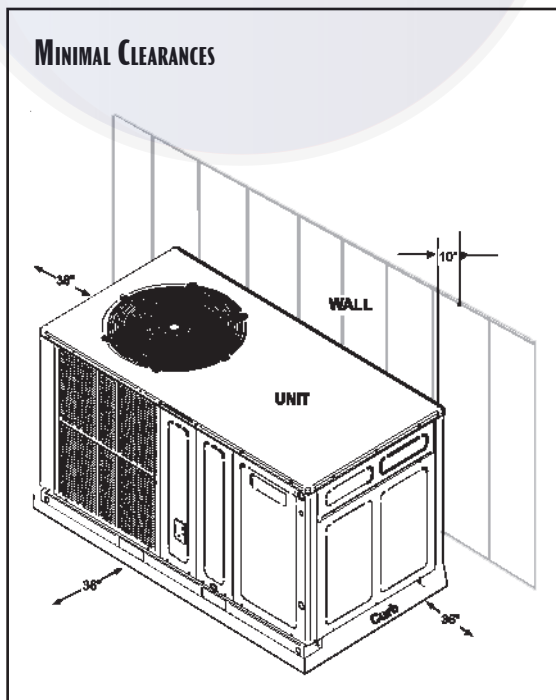
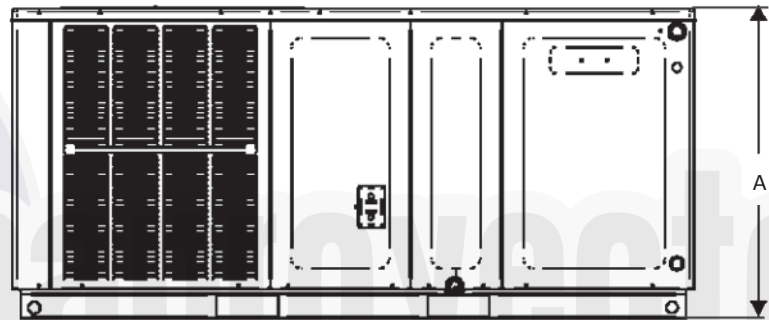
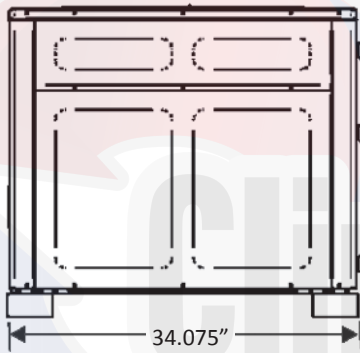
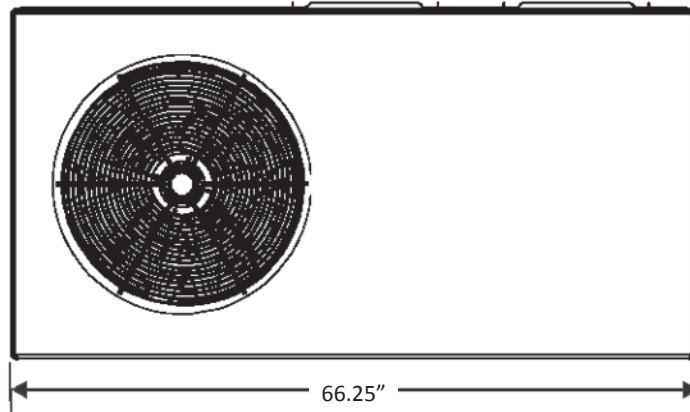
* Revision level that may or may not be designated

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.

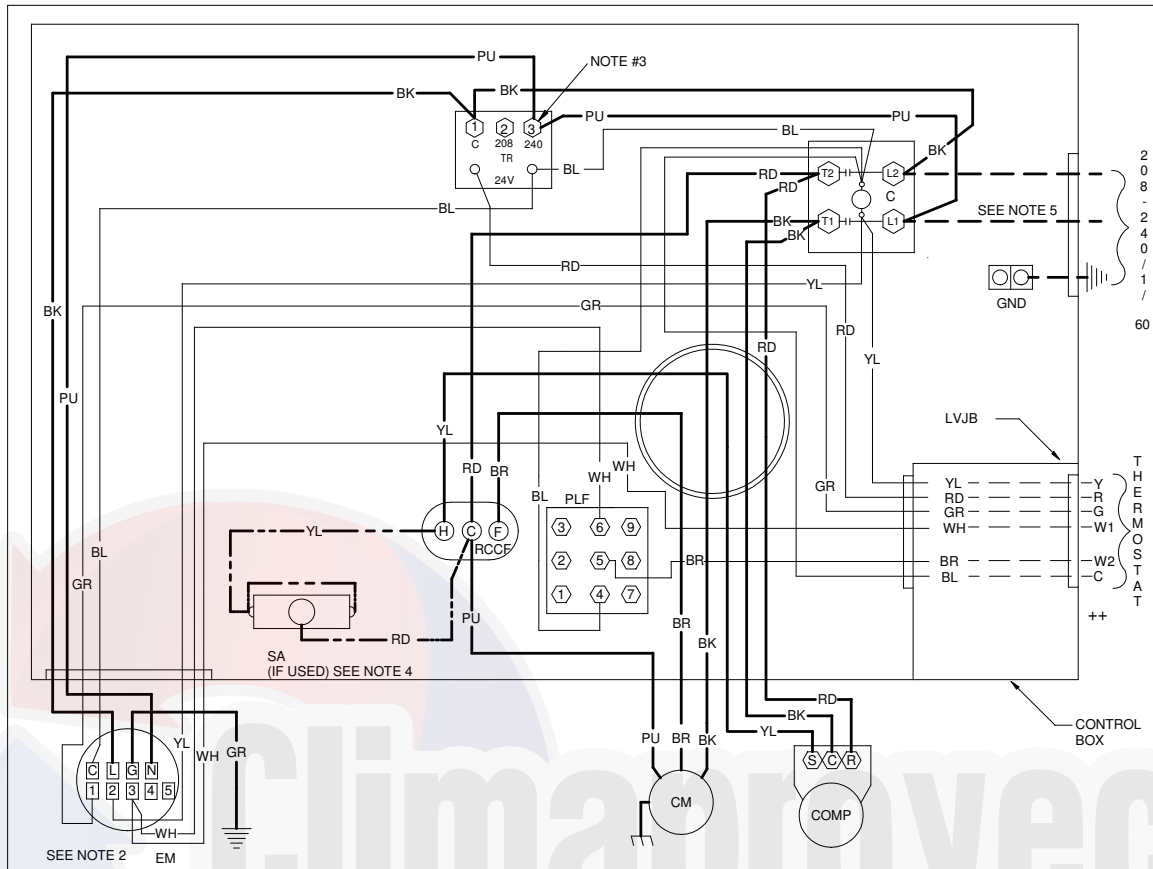
DIMENSIONS



"A" DIMENSIONS

MODEL	CHASSIS SIZE	HEIGHT
GPC1424 GPC1430	SMALL	30"
GPC1436 GPC1442	MEDIUM	35"
GPC1448 GPC1460	LARGE	38 3/4"

WIRING DIAGRAM



SEE NOTE 2

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

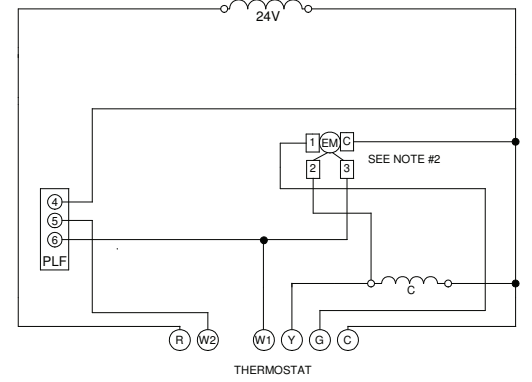
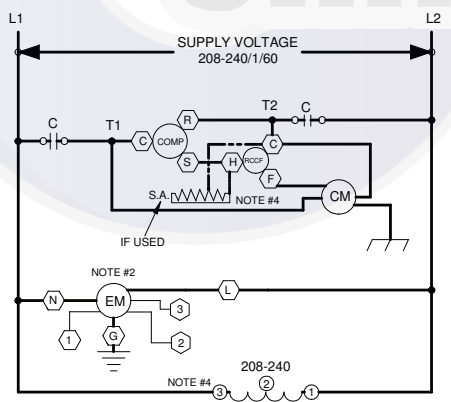
WIRE CODE

- 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



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	PCE101-103	PCE101-103
Downflow Plenum Kit	PCP101-103	PCP101-103
Downflow Plenum Kit (R-8)	PCP101-103 R8	PCP101-103 R8
Elbow Flashing w/ R-8 Liner	PCEF101-103	PCEF101-103
Emergency Heat Relay	OT/EHR18-60	OT/EHR18-60
External Horizontal Filter Rack	GPGHFR101-103	GPGHFR101-103
Horizontal Economizer	PEHH101-103	PEHH101-103
Manual Damper	PCMD101-103	PCMD101-103
Manual Damper- Horizontal Application	PCMDH101-103	PCMDH101-103
Motorized Damper	PCMDM101-103	PCMDM101-103
Outdoor Thermostat w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	PCCP101-103	PCCP101-103
Square to Round	SQRPC101	SQRPC102/103
Square to Round for Horizontal Application	SQRPCH101	SQRPCH102/103



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