Goodman
Air Conditioning & Heating

GPC14M

Cooling Capacity: 23,000 - 56,000 BTU/h

Packaged Air Conditioner
2 to 5 Tons
14 SEER

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ALL ALUMINUM COIL

Standard Features

- Energy-efficient compressor
- Multi-speed ECM indoor blower motor
- Convertible airflow: horizontal or downflow application
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil
- Totally enclosed, permanently lubricated condenser fan motor
- 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
- Louvered condenser coil protection
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated blower compartment with convenient access panels
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193
- One footprint for all tonnages

10 YEAR PARTS LIMITED WARRANTY*

Intertek

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV GL = ISO 14001 =

BBB ACCREDITED BUSINESS

* 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 not required in California or Québec.

G	P	C	14	36	M	4	1	**
1	2	3	4,5	6,7	8	9	10	11,12

Brand
G Goodman® brand

Product Category
P Packaged Unit

Unit Type
C Air Conditioner
H Heat Pump

Efficiency
14 14 SEER
16 16 SEER

Nominal Capacity

24 2 Tons	36 3 Tons	48 4 Tons
30 2½ tons	42 3½ Tons	60 5 Tons

Airflow
M Multi-Position
H Horizontal

Refrigerant
4 R-410A

Electrical
1 208-230/1/60

Engineering
Major/ Minor Revisions

	GPC14 24M41A*	GPC14 30M41A*	GPC14 36M41A*	GPC14 42M41A*	GPC14 48M41A*	GPC14 60M41A*
COOLING CAPACITY						
Total BTU/h	23,000	28,600	35,000	40,000	46,500	56,000
Sensible BTU/h	17,700	21,800	27,600	29,600	36,200	41,000
SEER / EER	14 / 11.0	14 / 11.0	14 / 11.0	14 / 11.0	14 / 11.0	14 / 11.0
Decibels	78.0	78.0	80.1	78.0	81.7	80.2
AHRI Numbers	7513338	7513342	7513339	7513340	7513341	7513343
EVAPORATOR MOTOR						
Type	ECM	ECM	ECM	ECM	ECM	ECM
Nominal Cooling CFM	800	1,000	1,200	1,325	1,600	1,700
Wheel (DxW)	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9
No. of Speeds	5	5	5	5	5	5
Horsepower - RPM	½	½	½	½	¾	1.0
EVAPORATOR COIL						
Face Area (ft^2)	4.50	4.50	4.50	4.50	6.17	6.17
Rows Deep/ Fin per Inch	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	86	80	77	95	108	177
CONDENSER FAN / COIL						
Horsepower - RPM	⅙ - 815	¼ - 830	¼ - 1,075	¼ - 1,075	¼ - 1,075	⅓ - 1120
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft^2)	12.29	12.29	8.77	11.13	15.36	20.67
Rows Deep/ Fins per Inch	1 / 24	1 / 24	2 / 27	2 / 27	1 / 24	2 / 16
COMPRESSOR						
Quantity	1	1	1	1	1	1
Type	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	Single	Single
ELECTRICAL DATA						
Voltage-Phase	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1
Compressor RLA/LRA	7.7 / 37	14.1 / 73	16.7 / 79	17.9 / 112	19.9 / 109	25.0 / 134
Indoor Blower FLA	3.9	3.9	3.9	3.9	5.7	7.0
Outdoor Fan FLA / LRA	1.1 / 1.7	1.5 / 3.0	1.4 / 2.9	1.4 / 2.9	1.4 / 2.9	2.0 / 4.4
Total Unit Amps	12.7	19.5	22.0	23.2	27.0	34.0
Min. Circuit Ampacity[1]	14.6	23.0	26.2	27.7	32.0	40.3
Max. Overcurrent Protection[2]	20 amps	35 amps	40 amps	45 amps	50 amps	60 amps
SHIP WEIGHT (LBS)	319	342	365	388	435	458

[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 — GPC1424M41A*

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	904	MBh	23.1	23.9	26.2	-	22.5	23.4	25.6	-	22.0	22.8	25.0	-	21.5	22.3	24.4	-	20.4	21.1	23.2	-	18.9	19.6	21.5	-
		S/T	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.84	0.71	0.49	-	0.88	0.73	0.51	-	0.88	0.74	0.51	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	1.42	1.45	1.50	-	1.53	1.57	1.62	-	1.63	1.67	1.72	-	1.72	1.75	1.81	-	1.79	1.83	1.89	-	1.85	1.89	1.96	-
		Amps	6.5	6.6	6.8	-	6.9	7.0	7.2	-	7.4	7.6	7.8	-	7.8	8.0	8.2	-	8.3	8.4	8.7	-	8.7	8.9	9.1	-
		Hi PR	231	249	263	-	260	279	295	-	295	318	336	-	336	362	382	-	378	407	430	-	418	450	475	-
		Lo PR	114	121	132	-	120	128	139	-	125	133	145	-	131	139	152	-	137	146	159	-	142	151	165	-
	806	MBh	22.4	23.2	25.4	-	21.9	22.7	24.9	-	21.4	22.1	24.3	-	20.8	21.6	23.7	-	19.8	20.5	22.5	-	18.3	19.0	20.8	-
		S/T	0.73	0.61	0.42	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.70	0.49	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	1.41	1.44	1.49	-	1.52	1.55	1.60	-	1.62	1.65	1.71	-	1.70	1.74	1.80	-	1.77	1.81	1.87	-	1.84	1.88	1.94	-
		Amps	6.4	6.6	6.7	-	6.9	7.0	7.2	-	7.4	7.5	7.7	-	7.8	7.9	8.2	-	8.2	8.4	8.6	-	8.6	8.8	9.1	-
		Hi PR	229	247	260	-	257	277	292	-	292	315	332	-	333	358	378	-	375	403	426	-	414	445	470	-
		Lo PR	112	120	131	-	119	126	138	-	124	131	143	-	130	138	151	-	136	145	158	-	141	150	163	-
	707	MBh	20.7	21.4	23.5	-	20.2	20.9	22.9	-	19.7	20.4	22.4	-	19.2	19.9	21.9	-	18.3	18.9	20.8	-	16.9	17.6	19.2	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		ΔT	19	16	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
		kW	1.38	1.41	1.45	-	1.48	1.51	1.56	-	1.58	1.61	1.66	-	1.66	1.70	1.75	-	1.73	1.77	1.83	-	1.79	1.83	1.89	-
		Amps	6.3	6.4	6.6	-	6.7	6.8	7.0	-	7.2	7.3	7.5	-	7.6	7.7	8.0	-	8.0	8.2	8.4	-	8.4	8.6	8.8	-
		Hi PR	222	239	253	-	249	268	283	-	284	305	322	-	323	348	367	-	363	391	413	-	402	432	456	-
		Lo PR	109	116	127	-	115	123	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-
75	904	MBh	23.5	24.2	26.2	28.1	22.9	23.6	25.6	27.4	22.4	23.0	24.9	26.8	21.8	**22.5**	24.3	26.1	20.7	21.4	23.1	24.8	19.2	19.8	21.4	23.0
		S/T	0.87	0.78	0.59	0.38	0.91	0.81	0.61	0.39	0.93	0.83	0.63	0.40	0.96	**0.86**	0.65	0.42	1.00	0.89	0.67	0.43	1.00	0.90	0.68	0.44
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		kW	1.43	1.46	1.51	1.56	1.54	1.58	1.63	1.68	1.64	1.68	1.73	1.79	1.73	**1.77**	1.83	1.89	1.80	1.84	1.91	1.97	1.87	1.91	1.97	2.04
		Amps	6.5	6.7	6.8	7.0	7.0	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	8.7	9.0	8.8	8.9	9.2	9.5
		Hi PR	234	252	266	277	262	282	298	311	298	321	339	354	340	**366**	386	403	382	411	434	453	422	454	480	501
		Lo PR	115	122	133	142	121	129	141	150	126	134	146	156	132	**141**	154	164	139	148	161	172	143	153	167	177
	806	MBh	22.8	23.5	25.4	27.3	22.3	22.9	24.8	26.6	21.7	22.4	24.2	26.0	21.2	**21.8**	23.6	25.4	20.1	20.7	22.4	24.1	18.7	19.2	20.8	22.3
		S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.59	0.38	0.89	0.79	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		ΔT	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	1.42	1.45	1.50	1.55	1.53	1.57	1.62	1.67	1.63	1.67	1.72	1.78	1.72	**1.75**	1.81	1.87	1.79	1.83	1.89	1.95	1.85	1.89	1.96	2.02
		Amps	6.5	6.6	6.8	7.0	6.9	7.1	7.2	7.5	7.4	7.6	7.8	8.0	7.8	**8.0**	8.2	8.5	8.3	8.4	8.7	9.0	8.7	8.9	9.1	9.4
		Hi PR	231	249	263	274	260	279	295	308	295	318	336	350	336	**362**	382	399	378	407	430	449	418	450	475	496
		Lo PR	114	121	132	141	120	128	139	148	125	133	145	154	131	**139**	152	162	137	146	160	170	142	151	165	176
	707	MBh	21.0	21.7	23.4	25.2	20.5	21.2	22.9	24.6	20.1	20.7	22.4	24.0	19.6	**20.1**	21.8	23.4	18.6	19.1	20.7	22.2	17.2	17.7	19.2	20.6
		S/T	0.80	0.72	0.54	0.35	0.83	0.75	0.56	0.36	0.85	0.76	0.58	0.37	0.88	**0.79**	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40
		ΔT	22	20	17	11	22	21	17	12	22	21	17	12	22	**21**	17	12	22	20	17	12	21	19	16	11
		kW	1.39	1.42	1.46	1.51	1.49	1.53	1.58	1.63	1.59	1.62	1.68	1.73	1.67	**1.71**	1.77	1.83	1.74	1.78	1.84	1.90	1.80	1.85	1.91	1.97
		Amps	6.3	6.5	6.6	6.8	6.8	6.9	7.1	7.3	7.2	7.4	7.6	7.8	7.7	**7.8**	8.0	8.3	8.1	8.2	8.5	8.7	8.5	8.7	8.9	9.2
		Hi PR	225	242	255	266	252	271	286	299	287	308	326	340	326	**351**	371	387	367	395	417	435	406	436	461	481
		Lo PR	110	117	128	136	116	124	135	144	121	129	141	150	127	**135**	148	157	133	142	155	165	138	147	160	170

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps (comp.+fan)

Expanded Cooling Data — GPC1424M41A* (cont.)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	904	MBh	23.9	24.4	26.1	27.9	23.3	23.8	25.5	27.2	22.8	23.3	24.9	26.6	22.2	22.7	24.3	25.9	21.1	21.6	23.0	24.6	19.6	20.0	21.4	22.8
		S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63
		ΔT	23	22	19	16	24	23	20	16	23	23	20	16	23	23	20	16	21	22	20	16	20	20	18	15
		kW	1.45	1.48	1.52	1.57	1.56	1.59	1.64	1.70	1.66	1.69	1.75	1.81	1.74	1.78	1.84	1.91	1.82	1.86	1.92	1.99	1.88	1.93	1.99	2.06
		Amps	6.6	6.7	6.9	7.1	7.0	7.2	7.4	7.6	7.5	7.7	7.9	8.1	8.0	8.1	8.4	8.6	8.4	8.6	8.8	9.1	8.8	9.0	9.3	9.6
		Hi PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	416	439	458	427	459	485	506
		Lo PR	116	123	135	143	122	130	142	151	127	135	148	157	134	142	155	165	140	149	163	173	145	154	168	179
	806	MBh	23.2	23.7	25.3	27.1	22.7	23.2	24.7	26.4	22.1	22.6	24.1	25.8	21.6	22.0	**23.6**	25.2	20.5	20.9	22.4	23.9	19.0	19.4	20.7	22.2
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	**0.77**	0.57	1.00	0.98	0.80	0.59	1.00	0.99	0.80	0.60
		ΔT	24	23	20	16	25	24	20	16	25	24	20	16	25	24	**21**	16	23	23	20	16	22	22	19	15
		kW	1.43	1.46	1.51	1.56	1.54	1.58	1.63	1.68	1.64	1.68	1.73	1.79	1.73	1.77	**1.83**	1.89	1.80	1.84	1.91	1.97	1.87	1.91	1.97	2.04
		Amps	6.5	6.7	6.8	7.0	7.0	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	8.7	9.0	8.8	8.9	9.2	9.5
		Hi PR	234	252	266	277	262	282	298	311	298	321	339	354	340	366	**386**	403	382	411	434	453	422	455	480	501
		Lo PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	**154**	164	139	148	161	172	143	153	167	177
	707	MBh	21.4	21.9	23.4	25.0	20.9	21.4	22.8	24.4	20.4	20.9	22.3	23.8	19.9	20.4	21.7	23.2	18.9	19.3	20.7	22.1	17.5	17.9	19.1	20.5
		S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.53	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.01	0.95	0.77	0.58
		ΔT	25	24	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
		kW	1.40	1.43	1.47	1.52	1.51	1.54	1.59	1.64	1.60	1.64	1.69	1.75	1.69	1.72	1.78	1.84	1.76	1.80	1.86	1.92	1.82	1.86	1.92	1.99
		Amps	6.4	6.5	6.7	6.9	6.8	6.9	7.1	7.4	7.3	7.4	7.6	7.9	7.7	7.9	8.1	8.4	8.1	8.3	8.5	8.8	8.5	8.7	9.0	9.3
		Hi PR	227	244	258	269	254	274	289	302	289	311	329	343	330	355	375	391	371	399	421	440	410	441	466	486
		Lo PR	111	118	129	138	118	125	137	145	122	130	142	151	128	137	149	159	135	143	156	166	139	148	162	172
85	904	MBh	24.3	24.8	26.0	27.7	23.7	24.2	25.3	27.0	23.2	23.6	24.7	26.4	22.6	23.1	24.1	25.8	21.5	21.9	22.9	24.5	19.9	20.3	21.2	22.7
		S/T	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.93	0.76	1.00	1.00	0.96	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		ΔT	25	24	23	20	24	25	23	20	24	24	23	20	23	23	24	20	22	22	23	20	20	21	22	19
		kW	1.46	1.49	1.54	1.59	1.57	1.60	1.66	1.71	1.67	1.71	1.76	1.82	1.76	1.80	1.86	1.92	1.83	1.88	1.94	2.01	1.90	1.94	2.01	2.08
		Amps	6.6	6.8	6.9	7.2	7.1	7.2	7.4	7.6	7.6	7.7	8.0	8.2	8.0	8.2	8.4	8.7	8.5	8.6	8.9	9.2	8.9	9.1	9.4	9.7
		Hi PR	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511
		Lo PR	117	125	136	145	124	132	144	153	129	137	149	159	135	144	157	167	142	151	164	175	146	156	170	181
	806	MBh	23.6	24.1	25.2	26.9	23.1	23.5	24.6	26.3	22.5	22.9	24.0	25.6	22.0	22.4	23.4	25.0	20.9	21.3	22.3	23.8	19.3	19.7	20.6	22.0
		S/T	0.96	0.93	0.84	0.68	0.99	0.96	0.87	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	25	26	25	21	24	24	24	21	22	22	23	20
		kW	1.45	1.48	1.52	1.57	1.56	1.59	1.64	1.70	1.66	1.69	1.75	1.81	1.74	1.78	1.84	1.91	1.82	1.86	1.92	1.99	1.88	1.93	1.99	2.06
		Amps	6.6	6.7	6.9	7.1	7.0	7.2	7.4	7.6	7.5	7.7	7.9	8.1	8.0	8.1	8.4	8.6	8.4	8.6	8.8	9.1	8.8	9.0	9.3	9.6
		Hi PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	416	439	458	427	459	485	506
		Lo PR	116	123	135	143	122	130	142	151	127	135	148	157	134	142	155	165	140	149	163	173	145	154	168	179
	707	MBh	21.8	22.2	23.3	24.8	21.3	21.7	22.7	24.2	20.8	21.2	22.2	23.7	20.3	20.7	21.6	23.1	19.3	19.6	20.6	21.9	17.8	18.2	19.0	20.3
		S/T	0.93	0.89	0.81	0.65	0.96	0.93	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
		ΔT	26	26	24	21	27	26	25	21	27	26	25	21	26	26	25	22	25	26	25	21	23	24	23	20
		kW	1.41	1.44	1.49	1.53	1.52	1.55	1.60	1.66	1.62	1.65	1.71	1.76	1.70	1.74	1.80	1.86	1.77	1.81	1.87	1.94	1.84	1.88	1.94	2.01
		Amps	6.4	6.6	6.7	6.9	6.9	7.0	7.2	7.4	7.3	7.5	7.7	8.0	7.8	7.9	8.2	8.4	8.2	8.4	8.6	8.9	8.6	8.8	9.1	9.4
		Hi PR	229	246	260	271	257	277	292	305	292	315	332	346	333	358	378	395	375	403	426	444	414	445	470	490
		Lo PR	112	120	131	139	119	126	138	147	123	131	143	153	130	138	151	160	136	145	158	168	141	150	163	174

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Expanded Cooling Data — GPC1430M41A*

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1119	MBh	28.5	29.6	32.4	-	27.9	28.9	31.6	-	27.2	28.2	30.9	-	26.5	27.5	30.1	-	25.2	26.1	28.6	-	23.3	24.2	26.5	-
		S/T	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.82	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.51	-	0.88	0.74	0.51	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	1.93	1.97	2.03	-	2.08	2.12	2.19	-	2.21	2.26	2.34	-	2.33	2.38	2.46	-	2.43	2.49	2.57	-	2.52	2.57	2.66	-
		Amps	8.8	9.0	9.2	-	9.4	9.6	9.9	-	10.1	10.3	10.6	-	10.7	10.9	11.2	-	11.2	11.5	11.8	-	11.8	12.0	12.4	-
		Hi PR	247	266	281	-	277	298	315	-	315	339	358	-	359	386	408	-	404	435	459	-	446	480	507	-
		Lo PR	111	118	129	-	117	124	136	-	122	129	141	-	128	136	148	-	134	142	155	-	138	147	161	-
	997	MBh	27.7	28.7	31.4	-	27.0	28.0	30.7	-	26.4	27.4	30.0	-	25.8	26.7	29.3	-	24.5	25.4	27.8	-	22.7	23.5	25.7	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	1.91	1.95	2.02	-	2.06	2.11	2.18	-	2.19	2.24	2.32	-	2.31	2.36	2.44	-	2.41	2.46	2.55	-	2.50	2.55	2.64	-
		Amps	8.8	8.9	9.2	-	9.3	9.5	9.8	-	10.0	10.2	10.5	-	10.6	10.8	11.1	-	11.1	11.4	11.7	-	11.7	12.0	12.3	-
		Hi PR	245	263	278	-	274	295	312	-	312	336	355	-	355	382	404	-	400	430	454	-	442	475	502	-
		Lo PR	110	117	127	-	116	123	135	-	120	128	140	-	126	135	147	-	133	141	154	-	137	146	159	-
	874	MBh	25.6	26.5	29.0	-	25.0	25.9	28.4	-	24.4	25.3	27.7	-	23.8	24.6	27.0	-	22.6	23.4	25.7	-	20.9	21.7	23.8	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.47	-	0.81	0.68	0.47	-
		ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
		kW	1.87	1.91	1.97	-	2.01	2.06	2.12	-	2.14	2.19	2.26	-	2.25	2.30	2.38	-	2.35	2.40	2.48	-	2.43	2.49	2.57	-
		Amps	8.6	8.7	9.0	-	9.1	9.3	9.6	-	9.8	10.0	10.2	-	10.3	10.5	10.8	-	10.9	11.1	11.4	-	11.4	11.7	12.0	-
		Hi PR	237	255	270	-	266	286	302	-	303	326	344	-	345	371	392	-	388	417	441	-	429	461	487	-
		Lo PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	142	-	129	137	149	-	133	141	154	-
75	1119	MBh	29.0	29.9	32.3	34.7	28.3	29.2	31.6	33.9	27.7	28.5	30.8	33.1	27.0	**27.8**	30.1	32.3	25.6	26.4	28.6	30.7	23.7	24.4	26.5	28.4
		S/T	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.40	0.96	**0.86**	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.90	0.68	0.44
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		kW	1.94	1.99	2.05	2.12	2.10	2.14	2.21	2.29	2.23	2.28	2.36	2.44	2.35	**2.40**	2.48	2.57	2.45	2.51	2.59	2.68	2.54	2.60	2.68	2.78
		Amps	8.9	9.1	9.3	9.6	9.5	9.7	9.9	10.2	10.2	10.4	10.6	11.0	10.7	**11.0**	11.3	11.6	11.3	11.6	11.9	12.3	11.9	12.1	12.5	12.9
		Hi PR	250	269	284	296	280	301	318	332	318	343	362	377	363	**390**	412	430	408	439	464	484	451	485	512	534
		Lo PR	112	119	130	138	118	126	137	146	123	131	143	152	129	**137**	150	160	135	144	157	167	140	149	162	173
	997	MBh	28.2	29.0	31.4	33.7	27.5	28.3	30.7	32.9	26.9	27.6	29.9	32.1	26.2	**27.0**	29.2	31.3	24.9	25.6	27.7	29.8	23.1	23.7	25.7	27.6
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.88	0.79	0.60	0.39	0.91	**0.82**	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.85	0.65	0.42
		ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	11	22	20	16	11	20	19	15	11
		kW	1.93	1.97	2.03	2.10	2.08	2.13	2.19	2.27	2.21	2.26	2.34	2.42	2.33	**2.38**	2.46	2.55	2.43	2.49	2.57	2.66	2.52	2.57	2.66	2.75
		Amps	8.8	9.0	9.2	9.5	9.4	9.6	9.9	10.2	10.1	10.3	10.6	10.9	10.7	**10.9**	11.2	11.5	11.2	11.5	11.8	12.2	11.8	12.1	12.4	12.8
		Hi PR	247	266	281	293	277	298	315	329	315	339	358	374	359	**386**	408	426	404	435	459	479	446	480	507	529
		Lo PR	111	118	129	137	117	125	136	145	122	129	141	150	128	**136**	148	158	134	142	156	166	139	147	161	171
	874	MBh	26.0	26.8	29.0	31.1	25.4	26.1	28.3	30.4	24.8	25.5	27.6	29.6	24.2	**24.9**	26.9	28.9	23.0	23.7	25.6	27.5	21.3	21.9	23.7	25.5
		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
		ΔT	22	20	17	11	22	20	17	12	22	20	17	12	22	**21**	17	12	22	20	17	12	21	19	16	11
		kW	1.88	1.92	1.98	2.05	2.03	2.07	2.14	2.21	2.16	2.21	2.28	2.35	2.27	**2.32**	2.40	2.48	2.37	2.42	2.50	2.59	2.45	2.51	2.59	2.68
		Amps	8.6	8.8	9.0	9.3	9.2	9.4	9.6	9.9	9.8	10.0	10.3	10.6	10.4	**10.6**	10.9	11.3	11.0	11.2	11.5	11.9	11.5	11.8	12.1	12.5
		Hi PR	240	258	272	284	269	289	306	319	306	329	348	362	348	**375**	396	413	392	422	445	464	433	466	492	513
		Lo PR	107	114	125	133	114	121	132	140	118	126	137	146	124	**132**	144	153	130	138	151	161	134	143	156	166

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps (comp.+fan)

Expanded Cooling Data — GPC1430M41A* (cont.)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1119	MBh	29.5	30.2	32.2	34.5	28.8	29.5	31.5	33.7	28.1	28.8	30.7	32.9	27.5	28.1	30.0	32.0	26.1	26.7	28.5	30.4	24.2	24.7	26.4	28.2
		S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.95	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63
		ΔT	23	22	19	15	24	23	20	16	23	23	20	16	23	23	20	16	21	22	19	16	20	20	18	15
		kW	1.96	2.00	2.07	2.13	2.11	2.16	2.23	2.31	2.25	2.30	2.38	2.46	2.37	2.42	2.51	2.59	2.47	2.53	2.61	2.70	2.56	2.62	2.71	2.80
		Amps	9.0	9.1	9.4	9.7	9.6	9.7	10.0	10.3	10.2	10.4	10.7	11.1	10.8	11.0	11.4	11.7	11.4	11.7	12.0	12.4	12.0	12.2	12.6	13.0
		Hi PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	540
		Lo PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	151	161	137	145	159	169	141	150	164	175
	997	MBh	28.7	29.3	31.3	33.4	28.0	28.6	30.6	32.7	27.3	27.9	29.8	31.9	26.7	27.2	**29.1**	31.1	25.3	25.9	27.7	29.6	23.5	24.0	25.6	27.4
		S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	**0.76**	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	25	24	**21**	16	23	23	20	16	22	22	19	15
		kW	1.94	1.99	2.05	2.12	2.10	2.14	2.21	2.29	2.23	2.28	2.36	2.44	2.35	2.40	**2.48**	2.57	2.45	2.51	2.59	2.68	2.54	2.60	2.69	2.78
		Amps	8.9	9.1	9.3	9.6	9.5	9.7	9.9	10.2	10.2	10.4	10.6	11.0	10.7	11.0	**11.3**	11.6	11.3	11.6	11.9	12.3	11.9	12.1	12.5	12.9
		Hi PR	250	269	284	296	280	301	318	332	318	343	362	377	363	390	**412**	430	408	439	464	484	451	485	512	534
		Lo PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	**150**	160	135	144	157	167	140	149	162	173
	874	MBh	26.5	27.0	28.9	30.9	25.8	26.4	28.2	30.2	25.2	25.8	27.5	29.4	24.6	25.1	26.9	28.7	23.4	23.9	25.5	27.3	21.7	22.1	23.6	25.3
		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	1.01	0.95	0.77	0.58
		ΔT	24	23	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
		kW	1.90	1.94	2.00	2.06	2.04	2.09	2.16	2.23	2.18	2.22	2.30	2.37	2.29	2.34	2.42	2.50	2.39	2.44	2.53	2.61	2.47	2.53	2.62	2.71
		Amps	8.7	8.9	9.1	9.4	9.3	9.5	9.7	10.0	9.9	10.1	10.4	10.7	10.5	10.7	11.0	11.4	11.1	11.3	11.6	12.0	11.6	11.9	12.2	12.6
		Hi PR	242	260	275	287	272	292	309	322	309	332	351	366	352	379	400	417	396	426	450	469	437	471	497	518
		Lo PR	109	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168
85	1119	MBh	30.0	30.6	32.1	34.2	29.3	29.9	31.3	33.4	28.6	29.2	30.6	32.6	27.9	28.5	29.8	31.8	26.5	27.1	28.3	30.2	24.6	25.1	26.3	28.0
		S/T	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.81	1.00	1.00	1.00	0.81
		ΔT	25	24	23	20	24	25	23	20	24	24	23	20	23	23	23	20	22	22	23	20	20	21	22	19
		kW	1.98	2.02	2.08	2.15	2.13	2.18	2.25	2.33	2.27	2.32	2.40	2.48	2.39	2.44	2.53	2.61	2.49	2.55	2.64	2.73	2.58	2.64	2.73	2.83
		Amps	9.0	9.2	9.4	9.7	9.6	9.8	10.1	10.4	10.3	10.5	10.8	11.2	10.9	11.1	11.4	11.8	11.5	11.7	12.1	12.5	12.1	12.3	12.7	13.1
		Hi PR	255	274	289	302	286	307	325	339	325	350	369	385	370	398	420	439	416	448	473	493	460	495	523	545
		Lo PR	114	121	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
	997	MBh	29.2	29.7	31.1	33.2	28.5	29.0	30.4	32.4	27.8	28.3	29.7	31.7	27.1	27.7	29.0	30.9	25.8	26.3	27.5	29.4	23.9	24.3	25.5	27.2
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	25	26	24	21	24	24	24	21	22	22	22	19
		kW	1.96	2.00	2.07	2.13	2.11	2.16	2.23	2.31	2.25	2.30	2.38	2.46	2.37	2.42	2.51	2.59	2.47	2.53	2.61	2.70	2.56	2.62	2.71	2.80
		Amps	9.0	9.1	9.4	9.7	9.6	9.7	10.0	10.3	10.2	10.4	10.7	11.1	10.8	11.0	11.4	11.7	11.4	11.7	12.0	12.4	12.0	12.2	12.6	13.0
		Hi PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	540
		Lo PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	151	161	137	145	159	169	141	150	164	175
	874	MBh	26.9	27.4	28.7	30.7	26.3	26.8	28.1	29.9	25.7	26.2	27.4	29.2	25.0	25.5	26.7	28.5	23.8	24.2	25.4	27.1	22.0	22.5	23.5	25.1
		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	0.92	0.74	1.00	1.00	0.92	0.75
		ΔT	26	26	24	21	26	26	25	21	26	26	25	21	26	26	25	21	25	26	24	21	23	24	23	20
		kW	1.91	1.95	2.02	2.08	2.06	2.11	2.18	2.25	2.19	2.24	2.32	2.39	2.31	2.36	2.44	2.52	2.41	2.46	2.55	2.63	2.49	2.55	2.64	2.73
		Amps	8.8	8.9	9.2	9.4	9.3	9.5	9.8	10.1	10.0	10.2	10.5	10.8	10.6	10.8	11.1	11.4	11.1	11.4	11.7	12.1	11.7	12.0	12.3	12.7
		Hi PR	244	263	278	290	274	295	312	325	312	336	355	370	355	382	404	421	400	430	454	474	442	475	502	523
		Lo PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1381	MBh	35.3	36.6	40.1	-	34.5	35.8	39.2	-	33.7	34.9	38.3	-	32.9	34.1	37.3	-	31.2	32.4	35.5	-	28.9	30.0	32.9	-
		S/T	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.72	0.50	-	0.90	0.75	0.52	-	0.91	0.76	0.53	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		kW	2.34	2.39	2.46	-	2.52	2.57	2.65	-	2.67	2.73	2.82	-	2.81	2.87	2.97	-	2.93	2.99	3.09	-	3.03	3.10	3.20	-
		Amps	9.7	9.9	10.2	-	10.4	10.6	10.9	-	11.2	11.4	11.8	-	11.9	12.2	12.5	-	12.6	12.9	13.2	-	13.3	13.5	14.0	-
		Hi PR	234	252	266	-	263	283	299	-	299	322	340	-	340	366	387	-	383	412	435	-	423	455	481	-
		Lo PR	108	115	126	-	115	122	133	-	119	127	138	-	125	133	145	-	131	139	152	-	136	144	157	-
	1230	MBh	34.3	35.6	39.0	-	33.5	34.7	38.1	-	32.7	33.9	37.2	-	31.9	33.1	36.2	-	30.3	31.4	34.4	-	28.1	29.1	31.9	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		kW	2.32	2.37	2.44	-	2.50	2.55	2.63	-	2.65	2.71	2.80	-	2.79	2.85	2.94	-	2.90	2.97	3.06	-	3.00	3.07	3.17	-
		Amps	9.7	9.9	10.1	-	10.3	10.6	10.9	-	11.1	11.4	11.7	-	11.8	12.1	12.4	-	12.5	12.7	13.1	-	13.1	13.4	13.8	-
		Hi PR	232	249	263	-	260	280	296	-	296	318	336	-	337	363	383	-	379	408	431	-	419	451	476	-
		Lo PR	107	114	125	-	113	121	132	-	118	125	137	-	124	132	144	-	130	138	151	-	134	143	156	-
	1079	MBh	31.7	32.8	36.0	-	30.9	32.1	35.1	-	30.2	31.3	34.3	-	29.5	30.5	33.5	-	28.0	29.0	31.8	-	25.9	26.9	29.4	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.83	0.70	0.48	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		kW	2.27	2.32	2.39	-	2.44	2.49	2.57	-	2.59	2.64	2.73	-	2.72	2.78	2.87	-	2.83	2.89	2.99	-	2.93	2.99	3.09	-
		Amps	9.4	9.6	9.9	-	10.1	10.3	10.6	-	10.8	11.1	11.4	-	11.5	11.8	12.1	-	12.2	12.4	12.8	-	12.8	13.1	13.5	-
		Hi PR	225	242	256	-	252	272	287	-	287	309	326	-	327	352	371	-	368	396	418	-	406	437	462	-
		Lo PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	139	-	126	134	146	-	130	139	151	-
75	1381	MBh	35.9	37.0	40.1	43.0	35.1	36.1	39.1	42.0	34.3	35.3	38.2	41.0	33.4	**34.4**	37.3	40.0	31.8	32.7	35.4	38.0	29.4	30.3	32.8	35.2
		S/T	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.41	0.96	0.85	0.65	0.42	0.99	**0.88**	0.67	0.43	1.00	0.92	0.69	0.45	1.00	0.92	0.70	0.45
		ΔT	22	20	16	11	22	20	16	11	22	20	16	11	22	**20**	17	11	21	20	16	11	20	19	15	11
		kW	2.36	2.41	2.48	2.56	2.54	2.59	2.67	2.76	2.70	2.75	2.84	2.93	2.83	**2.90**	2.99	3.09	2.95	3.02	3.12	3.22	3.05	3.12	3.23	3.33
		Amps	9.8	10.0	10.3	10.6	10.5	10.7	11.0	11.4	11.3	11.5	11.9	12.3	12.0	**12.3**	12.6	13.1	12.7	13.0	13.4	13.8	13.4	13.7	14.1	14.6
		Hi PR	237	255	269	280	265	286	302	315	302	325	343	358	344	**370**	391	407	387	416	439	458	427	460	486	506
		Lo PR	110	117	127	135	116	123	134	143	120	128	140	149	126	**134**	147	156	132	141	154	164	137	146	159	169
	1230	MBh	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.8	33.3	34.3	37.1	39.8	32.5	**33.4**	36.2	38.8	30.8	31.8	34.4	36.9	28.6	29.4	31.8	34.2
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	**0.84**	0.64	0.41	0.98	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	22	21	17	12	21	19	16	11
		kW	2.34	2.39	2.46	2.54	2.52	2.57	2.65	2.74	2.67	2.73	2.82	2.91	2.81	**2.87**	2.97	3.06	2.93	2.99	3.09	3.19	3.03	3.10	3.20	3.31
		Amps	9.7	9.9	10.2	10.6	10.4	10.6	10.9	11.3	11.2	11.5	11.8	12.2	11.9	**12.2**	12.5	12.9	12.6	12.9	13.2	13.7	13.3	13.5	14.0	14.4
		Hi PR	234	252	266	278	263	283	299	311	299	322	340	354	340	**366**	387	403	383	412	435	454	423	455	481	501
		Lo PR	108	115	126	134	115	122	133	142	119	127	138	147	125	**133**	145	155	131	139	152	162	136	144	157	168
	1079	MBh	32.2	33.2	35.9	38.5	31.5	32.4	35.1	37.6	30.7	31.6	34.2	36.7	30.0	**30.8**	33.4	35.8	28.5	29.3	31.7	34.0	26.4	27.1	29.4	31.5
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.59	0.38	0.91	**0.81**	0.61	0.39	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	20	16	11
		kW	2.29	2.33	2.41	2.48	2.46	2.51	2.59	2.67	2.61	2.66	2.75	2.84	2.74	**2.80**	2.89	2.99	2.86	2.92	3.01	3.11	2.95	3.02	3.12	3.22
		Amps	9.5	9.7	10.0	10.3	10.2	10.4	10.7	11.0	10.9	11.2	11.5	11.9	11.6	**11.9**	12.2	12.6	12.3	12.5	12.9	13.4	12.9	13.2	13.6	14.1
		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	105	112	122	130	111	118	129	137	115	123	134	143	121	**129**	141	150	127	135	148	157	132	140	153	163

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps (comp.+fan)

Expanded Cooling Data — GPC1436M41A* (cont.)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1381	MBh	36.6	37.4	39.9	42.7	35.7	36.5	39.0	41.7	34.9	35.6	38.1	40.7	34.0	34.8	37.1	39.7	32.3	33.0	35.3	37.7	29.9	30.6	32.7	34.9
		S/T	1.00	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.86	0.64	1.00	1.00	0.86	0.65
		ΔT	24	23	20	16	24	23	20	16	23	24	20	16	23	23	20	16	22	22	20	16	20	20	19	15
		kW	2.38	2.43	2.50	2.58	2.56	2.61	2.70	2.78	2.72	2.78	2.87	2.96	2.86	2.92	3.02	3.12	2.98	3.04	3.14	3.25	3.08	3.15	3.25	3.36
		Amps	9.9	10.1	10.4	10.7	10.6	10.8	11.1	11.5	11.4	11.6	12.0	12.4	12.1	12.4	12.7	13.2	12.8	13.1	13.5	13.9	13.5	13.8	14.2	14.7
		Hi PR	239	257	271	283	268	288	305	318	305	328	346	361	347	374	395	412	391	420	444	463	432	465	490	512
		Lo PR	111	118	128	137	117	124	136	145	121	129	141	150	128	136	148	158	134	142	155	165	138	147	161	171
	1230	MBh	35.5	36.3	38.8	41.4	34.7	35.4	37.9	40.5	33.9	34.6	37.0	39.5	33.0	33.8	**36.1**	38.6	31.4	32.1	34.3	36.6	29.1	29.7	31.7	33.9
		S/T	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	**0.79**	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62
		ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	24	**21**	17	23	24	21	17	22	22	20	16
		kW	2.36	2.41	2.48	2.56	2.54	2.59	2.67	2.76	2.70	2.75	2.84	2.93	2.83	2.90	**2.99**	3.09	2.95	3.02	3.12	3.22	3.05	3.12	3.23	3.33
		Amps	9.8	10.0	10.3	10.6	10.5	10.7	11.0	11.4	11.3	11.5	11.9	12.3	12.0	12.3	**12.6**	13.1	12.7	13.0	13.4	13.8	13.4	13.7	14.1	14.6
		Hi PR	237	255	269	280	265	286	302	315	302	325	343	358	344	370	**391**	408	387	416	440	458	427	460	486	507
		Lo PR	110	117	127	135	116	123	134	143	120	128	140	149	126	134	**147**	156	132	141	154	164	137	146	159	169
	1079	MBh	32.8	33.5	35.8	38.3	32.0	32.7	35.0	37.4	31.3	31.9	34.1	36.5	30.5	31.2	33.3	35.6	29.0	29.6	31.6	33.8	26.8	27.4	29.3	31.3
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	0.99	0.93	0.76	0.57	1.03	0.97	0.79	0.59	1.04	0.98	0.79	0.59
		ΔT	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	25	24	21	17	24	23	20	16
		kW	2.30	2.35	2.42	2.50	2.48	2.53	2.61	2.69	2.63	2.69	2.77	2.86	2.76	2.82	2.92	3.01	2.88	2.94	3.04	3.14	2.98	3.04	3.14	3.25
		Amps	9.6	9.8	10.1	10.4	10.3	10.5	10.8	11.1	11.0	11.3	11.6	12.0	11.7	12.0	12.3	12.7	12.4	12.6	13.0	13.5	13.0	13.3	13.7	14.2
		Hi PR	229	247	261	272	257	277	293	305	293	315	333	347	334	359	379	395	375	404	426	445	415	446	471	491
		Lo PR	106	113	123	131	112	119	130	139	117	124	135	144	123	130	142	152	128	137	149	159	133	141	154	164
85	1381	MBh	37.2	37.9	39.7	42.4	36.4	37.1	38.8	41.4	35.5	36.2	37.9	40.4	34.6	35.3	37.0	39.4	32.9	33.5	35.1	37.5	30.5	31.1	32.5	34.7
		S/T	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.84
		ΔT	25	25	24	21	24	25	24	21	24	24	24	21	23	24	24	21	22	22	23	21	20	21	22	19
		kW	2.40	2.45	2.52	2.60	2.58	2.63	2.72	2.81	2.74	2.80	2.89	2.98	2.88	2.94	3.04	3.14	3.00	3.07	3.17	3.27	3.11	3.17	3.28	3.39
		Amps	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.5	11.7	12.1	12.5	12.2	12.5	12.8	13.3	12.9	13.2	13.6	14.1	13.6	13.9	14.3	14.8
		Hi PR	241	260	274	286	271	291	308	321	308	331	350	365	351	377	399	416	395	425	448	468	436	469	495	517
		Lo PR	112	119	130	138	118	126	137	146	123	131	142	152	129	137	150	159	135	144	157	167	140	149	162	173
	1230	MBh	36.1	36.8	38.6	41.2	35.3	36.0	37.7	40.2	34.5	35.1	36.8	39.2	33.6	34.3	35.9	38.3	31.9	32.6	34.1	36.4	29.6	30.2	31.6	33.7
		S/T	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.99	0.80
		ΔT	27	26	25	21	26	27	25	22	26	26	25	22	25	26	25	22	24	24	25	22	22	23	23	20
		kW	2.38	2.43	2.50	2.58	2.56	2.61	2.70	2.78	2.72	2.78	2.87	2.96	2.86	2.92	3.02	3.12	2.98	3.04	3.14	3.25	3.08	3.15	3.25	3.36
		Amps	9.9	10.1	10.4	10.7	10.6	10.8	11.1	11.5	11.4	11.6	12.0	12.4	12.1	12.4	12.7	13.2	12.8	13.1	13.5	13.9	13.5	13.8	14.2	14.7
		Hi PR	239	257	271	283	268	288	305	318	305	328	346	361	347	374	395	412	391	420	444	463	432	465	490	512
		Lo PR	111	118	128	137	117	124	136	145	121	129	141	150	128	136	148	158	134	142	155	165	138	147	161	171
	1079	MBh	33.4	34.0	35.6	38.0	32.6	33.2	34.8	37.1	31.8	32.4	34.0	36.2	31.0	31.6	33.1	35.3	29.5	30.0	31.5	33.6	27.3	27.8	29.1	31.1
		S/T	0.95	0.92	0.83	0.67	0.98	0.95	0.86	0.70	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77
		ΔT	27	27	25	22	27	27	25	22	27	27	25	22	26	27	26	22	25	26	25	22	23	24	24	20
		kW	2.32	2.37	2.44	2.52	2.50	2.55	2.63	2.71	2.65	2.71	2.79	2.89	2.79	2.85	2.94	3.04	2.90	2.97	3.06	3.17	3.00	3.07	3.17	3.28
		Amps	9.7	9.9	10.1	10.5	10.3	10.5	10.9	11.2	11.1	11.4	11.7	12.1	11.8	12.0	12.4	12.8	12.5	12.7	13.1	13.6	13.1	13.4	13.8	14.3
		Hi PR	232	249	263	275	260	280	295	308	296	318	336	351	337	362	383	399	379	408	431	449	419	451	476	496
		Lo PR	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	160	134	143	156	166

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Expanded Cooling Data — GPC1442M41A*

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1488	MBh	39.4	40.8	44.7	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	36.6	38.0	41.6	-	34.8	36.1	39.5	-	32.3	33.4	36.6	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	2.69	2.75	2.83	-	2.89	2.96	3.05	-	3.07	3.14	3.24	-	3.23	3.30	3.40	-	3.36	3.43	3.55	-	3.48	3.55	3.67	-
		Amps	13.0	13.2	13.6	-	13.8	14.1	14.4	-	14.8	15.1	15.5	-	15.6	15.9	16.3	-	16.4	16.7	17.2	-	17.2	17.6	18.0	-
		Hi PR	240	259	273	-	270	290	306	-	307	330	348	-	349	376	397	-	393	423	446	-	434	467	493	-
		Lo PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	133	142	155	-
	1326	MBh	38.3	39.6	43.4	-	37.4	38.7	42.4	-	36.5	37.8	41.4	-	35.6	36.9	40.4	-	33.8	35.0	38.4	-	31.3	32.5	35.6	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		ΔT	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	2.67	2.73	2.81	-	2.87	2.93	3.02	-	3.05	3.11	3.21	-	3.20	3.27	3.38	-	3.33	3.41	3.52	-	3.45	3.52	3.64	-
		Amps	12.9	13.2	13.5	-	13.7	14.0	14.3	-	14.7	14.9	15.3	-	15.5	15.8	16.2	-	16.3	16.6	17.1	-	17.1	17.4	17.9	-
		Hi PR	238	256	270	-	267	287	303	-	304	327	345	-	346	372	393	-	389	419	442	-	430	462	488	-
		Lo PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	154	-
	1163	MBh	35.3	36.6	40.1	-	34.5	35.7	39.2	-	33.7	34.9	38.2	-	32.8	34.0	37.3	-	31.2	32.3	35.4	-	28.9	30.0	32.8	-
		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	0.65	0.45	-
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
		kW	2.61	2.66	2.75	-	2.80	2.86	2.95	-	2.97	3.04	3.13	-	3.13	3.19	3.29	-	3.25	3.32	3.43	-	3.36	3.44	3.55	-
		Amps	12.6	12.9	13.2	-	13.4	13.7	14.0	-	14.3	14.6	15.0	-	15.1	15.4	15.8	-	15.9	16.2	16.7	-	16.7	17.0	17.5	-
		Hi PR	231	248	262	-	259	279	294	-	294	317	335	-	335	361	381	-	377	406	429	-	417	449	474	-
		Lo PR	103	109	119	-	108	115	126	-	113	120	131	-	118	126	137	-	124	132	144	-	128	136	149	-
75	1488	MBh	40.1	41.3	44.7	47.9	39.1	40.3	43.6	46.8	38.2	39.3	42.6	45.7	37.3	**38.4**	41.5	44.6	35.4	36.5	39.5	42.3	32.8	33.8	36.6	39.2
		S/T	0.84	0.76	0.57	0.37	0.87	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
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		kW	2.71	2.77	2.86	2.95	2.92	2.98	3.07	3.17	3.10	3.16	3.26	3.37	3.26	**3.33**	3.43	3.54	3.39	3.46	3.58	3.69	3.51	3.58	3.70	3.82
		Amps	13.1	13.3	13.7	14.1	13.9	14.2	14.6	15.0	14.9	15.2	15.6	16.0	15.7	**16.0**	16.4	17.0	16.5	16.9	17.3	17.9	17.3	17.7	18.2	18.8
		Hi PR	243	261	276	288	272	293	309	323	310	333	352	367	353	**380**	401	418	397	427	451	470	438	472	498	520
		Lo PR	108	115	125	133	114	121	132	141	118	126	138	146	124	**132**	144	154	130	139	151	161	135	143	157	167
	1326	MBh	38.9	40.0	43.4	46.5	38.0	39.1	42.3	45.4	37.1	38.2	41.3	44.4	36.2	**37.3**	40.3	43.3	34.4	35.4	38.3	41.1	31.8	32.8	35.5	38.1
		S/T	0.81	0.72	0.54	0.35	0.83	0.75	0.56	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	0.92	0.83	0.63	0.40
		ΔT	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	2.69	2.75	2.83	2.92	2.89	2.96	3.05	3.15	3.07	3.14	3.24	3.34	3.23	**3.30**	3.40	3.52	3.36	3.44	3.55	3.66	3.48	3.55	3.67	3.79
		Amps	13.0	13.2	13.6	14.0	13.8	14.1	14.5	14.9	14.8	15.1	15.5	15.9	15.6	**15.9**	16.3	16.8	16.4	16.7	17.2	17.7	17.2	17.6	18.0	18.6
		Hi PR	240	259	273	285	270	290	306	320	307	330	348	363	349	**376**	397	414	393	423	446	466	434	467	493	514
		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
	1163	MBh	35.9	37.0	40.0	42.9	35.1	36.1	39.1	41.9	34.2	35.2	38.2	40.9	33.4	**34.4**	37.2	39.9	31.7	32.7	35.4	38.0	29.4	30.3	32.8	35.2
		S/T	0.78	0.69	0.53	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
		ΔT	22	20	17	11	22	21	17	12	22	21	17	12	22	**21**	17	12	22	20	17	12	21	19	16	11
		kW	2.63	2.69	2.77	2.85	2.83	2.89	2.98	3.07	3.00	3.06	3.16	3.26	3.15	**3.22**	3.32	3.43	3.28	3.35	3.46	3.57	3.39	3.47	3.58	3.70
		Amps	12.7	13.0	13.3	13.7	13.5	13.8	14.1	14.6	14.4	14.7	15.1	15.6	15.2	**15.5**	16.0	16.4	16.0	16.3	16.8	17.3	16.8	17.1	17.6	18.2
		Hi PR	233	251	265	276	262	281	297	310	297	320	338	353	339	**365**	385	401	381	410	433	452	421	453	478	499
		Lo PR	104	110	120	128	109	116	127	135	114	121	132	141	119	**127**	139	148	125	133	145	155	130	138	150	160

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Expanded Cooling Data — GPC1442M41A* (cont.)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1488	MBh	40.8	41.7	44.5	47.6	39.8	40.7	43.5	46.5	38.9	39.7	42.4	45.4	37.9	38.8	41.4	44.3	36.0	36.8	39.3	42.1	33.4	34.1	36.4	39.0
		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	0.80	0.60	1.00	1.00	0.81	0.61
		ΔT	23	22	19	16	24	23	20	16	24	23	20	16	23	23	20	16	22	23	20	16	21	21	18	15
		kW	2.74	2.79	2.88	2.97	2.94	3.00	3.10	3.20	3.12	3.19	3.29	3.40	3.28	3.35	3.46	3.57	3.42	3.49	3.61	3.72	3.53	3.61	3.73	3.85
		Amps	13.2	13.4	13.8	14.2	14.0	14.3	14.7	15.1	15.0	15.3	15.7	16.2	15.8	16.1	16.6	17.1	16.6	17.0	17.5	18.0	17.5	17.8	18.3	18.9
		Hi PR	245	264	279	291	275	296	313	326	313	337	355	371	356	383	405	422	401	431	455	475	443	477	503	525
		Lo PR	109	116	127	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168
	1326	MBh	39.6	40.5	43.2	46.2	38.7	39.5	42.2	45.1	37.7	38.6	41.2	44.1	36.8	37.6	**40.2**	43.0	35.0	35.8	38.2	40.8	32.4	33.1	35.4	37.8
		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
		ΔT	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	2.71	2.77	2.86	2.95	2.92	2.98	3.07	3.17	3.10	3.16	3.26	3.37	3.26	3.33	**3.43**	3.55	3.39	3.46	3.58	3.69	3.51	3.58	3.70	3.82
		Amps	13.1	13.3	13.7	14.1	13.9	14.2	14.6	15.0	14.9	15.2	15.6	16.1	15.7	16.0	**16.5**	17.0	16.5	16.9	17.3	17.9	17.3	17.7	18.2	18.8
		Hi PR	243	261	276	288	272	293	309	323	310	333	352	367	353	380	**401**	418	397	427	451	470	438	472	498	520
		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
	1163	MBh	36.5	37.3	39.9	42.6	35.7	36.5	39.0	41.7	34.8	35.6	38.0	40.7	34.0	34.7	37.1	39.7	32.3	33.0	35.3	37.7	29.9	30.6	32.7	34.9
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.90	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
		ΔT	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
		kW	2.65	2.71	2.79	2.88	2.85	2.91	3.00	3.09	3.02	3.09	3.18	3.29	3.18	3.24	3.35	3.46	3.31	3.38	3.49	3.60	3.42	3.49	3.61	3.73
		Amps	12.8	13.1	13.4	13.8	13.6	13.9	14.2	14.7	14.5	14.8	15.2	15.7	15.3	15.6	16.1	16.6	16.1	16.5	16.9	17.5	16.9	17.3	17.8	18.3
		Hi PR	235	253	268	279	264	284	300	313	300	323	341	356	342	368	389	406	385	414	437	456	425	458	483	504
		Lo PR	105	111	122	129	111	118	128	137	115	122	133	142	121	128	140	149	126	135	147	156	131	139	152	162
85	1488	MBh	41.5	42.3	44.3	47.3	40.5	41.3	43.3	46.2	39.6	40.3	42.2	45.1	38.6	39.3	41.2	44.0	36.7	37.4	39.1	41.8	34.0	34.6	36.3	38.7
		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
		ΔT	25	24	23	20	25	25	23	20	24	25	23	20	24	24	24	20	23	23	23	20	21	21	22	19
		kW	2.76	2.81	2.90	2.99	2.96	3.03	3.12	3.22	3.15	3.21	3.32	3.42	3.31	3.38	3.49	3.60	3.45	3.52	3.64	3.76	3.56	3.64	3.76	3.89
		Amps	13.3	13.5	13.9	14.3	14.1	14.4	14.8	15.2	15.1	15.4	15.8	16.3	15.9	16.3	16.7	17.2	16.8	17.1	17.6	18.2	17.6	18.0	18.5	19.1
		Hi PR	248	266	281	293	278	299	316	329	316	340	359	374	360	387	409	426	405	436	460	480	447	481	508	530
		Lo PR	110	117	128	136	116	124	135	144	121	129	140	149	127	135	147	157	133	142	154	165	138	146	160	170
	1326	MBh	40.3	41.1	43.0	45.9	39.3	40.1	42.0	44.8	38.4	39.2	41.0	43.7	37.5	38.2	40.0	42.7	35.6	36.3	38.0	40.5	33.0	33.6	35.2	37.6
		S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.93	0.75
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	25	25	24	21	23	23	23	20
		kW	2.74	2.79	2.88	2.97	2.94	3.00	3.10	3.20	3.12	3.19	3.29	3.40	3.28	3.35	3.46	3.57	3.42	3.49	3.61	3.72	3.53	3.61	3.73	3.85
		Amps	13.2	13.4	13.8	14.2	14.0	14.3	14.7	15.1	15.0	15.3	15.7	16.2	15.8	16.1	16.6	17.1	16.6	17.0	17.5	18.0	17.5	17.8	18.3	18.9
		Hi PR	245	264	279	291	275	296	313	326	313	337	355	371	356	383	405	422	401	431	455	475	443	477	503	525
		Lo PR	109	116	127	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168
	1163	MBh	37.2	37.9	39.7	42.3	36.3	37.0	38.8	41.4	35.5	36.1	37.8	40.4	34.6	35.3	36.9	39.4	32.9	33.5	35.1	37.4	30.4	31.0	32.5	34.7
		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	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72
		ΔT	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	26	26	25	21	24	24	23	20
		kW	2.67	2.73	2.81	2.90	2.87	2.93	3.02	3.12	3.05	3.11	3.21	3.31	3.20	3.27	3.38	3.49	3.33	3.41	3.52	3.63	3.45	3.52	3.64	3.76
		Amps	12.9	13.1	13.5	13.9	13.7	14.0	14.3	14.8	14.7	14.9	15.3	15.8	15.5	15.8	16.2	16.7	16.3	16.6	17.1	17.6	17.1	17.4	17.9	18.5
		Hi PR	238	256	270	282	267	287	303	316	303	327	345	360	346	372	393	410	389	418	442	461	430	462	488	509
		Lo PR	106	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	128	136	148	158	132	141	153	163

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Expanded Cooling Data — GPC1448M41A*

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1791	MBh	46.2	47.9	52.5	-	45.1	46.8	51.2	-	44.1	45.7	50.0	-	43.0	44.5	48.8	-	40.8	42.3	46.4	-	37.8	39.2	42.9	-
		S/T	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.89	0.75	0.52	-	0.90	0.75	0.52	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		kW	3.17	3.24	3.34	-	3.42	3.49	3.60	-	3.63	3.71	3.83	-	3.82	3.91	4.04	-	3.98	4.07	4.21	-	4.12	4.22	4.36	-
		Amps	15.0	15.3	15.7	-	15.9	16.2	16.7	-	17.0	17.4	17.9	-	18.0	18.4	18.9	-	19.0	19.4	19.9	-	19.9	20.3	20.9	-
		Hi PR	262	282	298	-	294	317	335	-	335	360	380	-	381	410	433	-	429	462	488	-	474	510	539	-
		Lo PR	113	120	131	-	120	127	139	-	124	132	144	-	130	139	152	-	137	145	159	-	141	150	164	-
	1596	MBh	44.9	46.5	50.9	-	43.8	45.4	49.8	-	42.8	44.3	48.6	-	41.7	43.2	47.4	-	39.6	41.1	45.0	-	36.7	38.1	41.7	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		kW	3.15	3.21	3.32	-	3.39	3.46	3.57	-	3.60	3.68	3.80	-	3.79	3.87	4.00	-	3.95	4.04	4.17	-	4.09	4.18	4.32	-
		Amps	14.9	15.1	15.5	-	15.8	16.1	16.6	-	16.9	17.3	17.7	-	17.9	18.2	18.7	-	18.8	19.2	19.8	-	19.8	20.2	20.8	-
		Hi PR	260	280	295	-	291	314	331	-	331	357	377	-	378	406	429	-	425	457	483	-	469	505	533	-
		Lo PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	163	-
	1400	MBh	41.4	42.9	47.0	-	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	36.6	37.9	41.5	-	33.9	35.1	38.5	-
		S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.47	-	0.83	0.69	0.48	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		kW	3.07	3.14	3.24	-	3.31	3.38	3.49	-	3.51	3.59	3.71	-	3.70	3.78	3.90	-	3.85	3.94	4.07	-	3.99	4.08	4.21	-
		Amps	14.5	14.8	15.2	-	15.5	15.8	16.2	-	16.5	16.9	17.3	-	17.5	17.8	18.3	-	18.4	18.8	19.3	-	19.3	19.7	20.3	-
		Hi PR	252	271	286	-	283	304	321	-	322	346	365	-	366	394	416	-	412	443	468	-	455	490	517	-
		Lo PR	109	116	126	-	115	122	133	-	119	127	139	-	125	133	146	-	131	140	153	-	136	145	158	-
75	1791	MBh	47.0	48.4	52.4	56.2	45.9	47.2	51.1	54.9	44.8	46.1	49.9	53.6	43.7	**45.0**	48.7	52.3	41.5	42.7	46.3	49.7	38.5	39.6	42.9	46.0
		S/T	0.89	0.80	0.60	0.39	0.92	0.83	0.62	0.40	0.95	0.85	0.64	0.41	0.98	**0.87**	0.66	0.43	1.00	0.91	0.69	0.44	1.00	0.91	0.69	0.45
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	**20**	17	11	21	20	16	11	20	19	15	11
		kW	3.20	3.27	3.37	3.48	3.45	3.52	3.63	3.75	3.66	3.74	3.87	3.99	3.85	**3.94**	4.07	4.21	4.02	4.11	4.24	4.39	4.16	4.25	4.39	4.54
		Amps	15.1	15.4	15.8	16.2	16.1	16.4	16.8	17.3	17.2	17.5	18.0	18.6	18.1	**18.5**	19.0	19.6	19.1	19.5	20.1	20.7	20.1	20.5	21.1	21.8
		Hi PR	265	285	301	314	297	320	338	352	338	364	384	401	385	**415**	438	457	433	466	492	514	479	515	544	568
		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
	1596	MBh	45.6	47.0	50.8	54.6	44.6	45.9	49.7	53.3	43.5	44.8	48.5	52.0	42.4	**43.7**	47.3	50.8	40.3	41.5	44.9	48.2	37.3	38.4	41.6	44.7
		S/T	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	**0.83**	0.63	0.41	0.97	0.87	0.65	0.42	0.98	0.87	0.66	0.42
		ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	22	21	17	12	21	19	16	11
		kW	3.17	3.24	3.34	3.45	3.42	3.49	3.60	3.72	3.63	3.71	3.83	3.96	3.82	**3.91**	4.04	4.17	3.98	4.07	4.21	4.35	4.12	4.22	4.36	4.51
		Amps	15.0	15.3	15.7	16.1	15.9	16.2	16.7	17.2	17.0	17.4	17.9	18.4	18.0	**18.4**	18.9	19.5	19.0	19.4	19.9	20.6	19.9	20.3	20.9	21.6
		Hi PR	262	282	298	311	294	317	335	349	335	360	381	397	381	**410**	433	452	429	462	488	509	474	510	539	562
		Lo PR	113	120	131	140	120	127	139	148	124	132	144	154	131	**139**	152	161	137	146	159	169	141	150	164	175
	1400	MBh	42.1	43.3	46.9	50.4	41.1	42.3	45.8	49.2	40.1	41.3	44.7	48.0	39.2	**40.3**	43.6	46.8	37.2	38.3	41.5	44.5	34.5	35.5	38.4	41.2
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	**0.80**	0.61	0.39	0.93	0.83	0.63	0.41	0.94	0.84	0.64	0.41
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	20	16	11
		kW	3.10	3.16	3.26	3.37	3.33	3.41	3.51	3.63	3.54	3.62	3.74	3.86	3.73	**3.81**	3.93	4.07	3.88	3.97	4.10	4.24	4.02	4.11	4.25	4.39
		Amps	14.7	14.9	15.3	15.8	15.6	15.9	16.3	16.8	16.7	17.0	17.5	18.0	17.6	**18.0**	18.4	19.0	18.5	18.9	19.4	20.1	19.5	19.9	20.4	21.1
		Hi PR	255	274	289	302	286	307	325	339	325	350	369	385	370	**398**	420	438	416	448	473	493	460	495	523	545
		Lo PR	110	117	127	136	116	123	135	143	121	128	140	149	127	**135**	147	157	133	141	154	164	137	146	159	170

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps (comp.+fan)

Expanded Cooling Data — GPC1448M41A* (cont.)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1791	MBh	47.8	48.9	52.2	55.8	46.7	47.7	51.0	54.5	45.6	46.6	49.8	53.2	44.5	45.5	48.6	51.9	42.3	43.2	46.1	49.3	39.1	40.0	42.7	45.7
		S/T	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.63	1.00	1.00	0.86	0.64
		ΔT	25	23	20	16	24	23	20	16	23	24	20	16	23	23	20	16	22	22	20	16	20	21	19	15
		kW	3.22	3.29	3.40	3.51	3.47	3.55	3.66	3.78	3.69	3.77	3.90	4.03	3.89	3.97	4.10	4.24	4.05	4.14	4.28	4.43	4.19	4.29	4.43	4.58
		Amps	15.2	15.5	15.9	16.4	16.2	16.5	16.9	17.4	17.3	17.7	18.1	18.7	18.3	18.7	19.2	19.8	19.3	19.7	20.2	20.9	20.2	20.7	21.3	22.0
		Hi PR	268	288	304	317	300	323	341	356	342	368	388	405	389	419	442	461	438	471	497	519	484	520	550	573
		Lo PR	115	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	140	148	162	173	144	154	168	179
	1596	MBh	46.4	47.4	50.7	54.2	45.3	46.3	49.5	52.9	44.3	45.2	48.3	51.7	43.2	44.1	**47.1**	50.4	41.0	41.9	44.8	47.9	38.0	38.8	41.5	44.4
		S/T	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.99	0.93	0.76	0.56	1.00	0.96	**0.78**	0.58	1.00	0.99	0.81	0.61	1.00	1.00	0.82	0.61
		ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	24	**21**	17	24	24	21	17	22	22	20	16
		kW	3.20	3.27	3.37	3.48	3.45	3.52	3.63	3.75	3.66	3.74	3.87	3.99	3.86	3.94	**4.07**	4.21	4.02	4.11	4.24	4.39	4.16	4.25	4.40	4.54
		Amps	15.1	15.4	15.8	16.2	16.1	16.4	16.8	17.3	17.2	17.5	18.0	18.6	18.1	18.5	**19.0**	19.6	19.1	19.5	20.1	20.7	20.1	20.5	21.1	21.8
		Hi PR	265	285	301	314	297	320	338	353	338	364	384	401	385	415	**438**	457	433	466	493	514	479	515	544	568
		Lo PR	114	122	133	141	121	128	140	149	125	134	146	155	132	140	**153**	163	138	147	160	171	143	152	166	177
	1400	MBh	42.9	43.8	46.8	50.0	41.9	42.8	45.7	48.8	40.9	41.8	44.6	47.7	39.9	40.7	43.5	46.5	37.9	38.7	41.3	44.2	35.1	35.8	38.3	40.9
		S/T	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.92	0.75	0.56	1.02	0.96	0.78	0.58	1.03	0.97	0.79	0.59
		ΔT	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	25	24	21	17	24	23	20	16
		kW	3.12	3.19	3.29	3.39	3.36	3.43	3.54	3.66	3.57	3.65	3.77	3.89	3.76	3.84	3.97	4.10	3.92	4.00	4.14	4.28	4.05	4.14	4.28	4.43
		Amps	14.8	15.0	15.4	15.9	15.7	16.0	16.4	16.9	16.8	17.1	17.6	18.1	17.7	18.1	18.6	19.2	18.7	19.1	19.6	20.2	19.6	20.0	20.6	21.3
		Hi PR	257	277	292	305	289	310	328	342	328	353	373	389	374	402	425	443	420	452	478	498	465	500	528	551
		Lo PR	111	118	129	137	117	125	136	145	122	130	141	151	128	136	149	158	134	143	156	166	139	147	161	171
85	1791	MBh	48.7	49.6	51.9	55.4	47.5	48.4	50.7	54.1	46.4	47.3	49.5	52.8	45.3	46.1	48.3	51.5	43.0	43.8	45.9	49.0	39.8	40.6	42.5	45.4
		S/T	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.83
		ΔT	25	25	24	21	24	25	24	21	24	24	24	21	23	24	24	21	22	22	24	21	20	21	22	19
		kW	3.25	3.32	3.42	3.54	3.50	3.58	3.69	3.81	3.72	3.81	3.93	4.06	3.92	4.01	4.14	4.28	4.09	4.18	4.32	4.46	4.23	4.33	4.47	4.62
		Amps	15.3	15.6	16.0	16.5	16.3	16.6	17.1	17.6	17.4	17.8	18.3	18.9	18.4	18.8	19.3	19.9	19.4	19.8	20.4	21.0	20.4	20.8	21.4	22.1
		Hi PR	270	291	307	320	303	327	345	360	345	371	392	409	393	423	447	466	442	476	502	524	489	526	555	579
		Lo PR	117	124	135	144	123	131	143	152	128	136	149	158	134	143	156	166	141	150	164	174	146	155	169	180
	1596	MBh	47.2	48.2	50.4	53.8	46.1	47.0	49.3	52.6	45.0	45.9	48.1	51.3	43.9	44.8	46.9	50.0	41.7	42.6	44.6	47.5	38.7	39.4	41.3	44.0
		S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79
		ΔT	27	26	25	21	27	26	25	22	26	26	25	22	25	26	25	22	24	25	25	22	22	23	23	20
		kW	3.22	3.29	3.40	3.51	3.47	3.55	3.66	3.78	3.69	3.77	3.90	4.03	3.89	3.97	4.10	4.24	4.05	4.14	4.28	4.43	4.19	4.29	4.43	4.58
		Amps	15.2	15.5	15.9	16.4	16.2	16.5	16.9	17.4	17.3	17.7	18.1	18.7	18.3	18.7	19.2	19.8	19.3	19.7	20.2	20.9	20.2	20.7	21.3	22.0
		Hi PR	268	288	304	317	300	323	341	356	342	368	388	405	389	419	442	461	438	471	497	519	484	520	550	573
		Lo PR	115	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	140	148	162	173	144	154	168	179
	1400	MBh	43.6	44.4	46.5	49.7	42.6	43.4	45.5	48.5	41.6	42.4	44.4	47.3	40.6	41.3	43.3	46.2	38.5	39.3	41.1	43.9	35.7	36.4	38.1	40.7
		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	0.93	0.76	1.00	1.00	0.94	0.76
		ΔT	27	27	25	22	27	27	25	22	27	27	25	22	27	27	26	22	25	26	25	22	23	24	24	20
		kW	3.15	3.21	3.31	3.42	3.39	3.46	3.57	3.69	3.60	3.68	3.80	3.93	3.79	3.87	4.00	4.14	3.95	4.04	4.17	4.31	4.09	4.18	4.32	4.47
		Amps	14.9	15.1	15.5	16.0	15.8	16.1	16.6	17.1	16.9	17.3	17.7	18.3	17.9	18.2	18.7	19.3	18.8	19.2	19.7	20.4	19.8	20.2	20.7	21.4
		Hi PR	260	279	295	308	291	314	331	345	331	357	377	393	377	406	429	447	425	457	483	503	469	505	533	556
		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

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1898	MBh	54.8	56.8	62.2	-	53.5	55.5	60.8	-	52.2	54.2	59.3	-	51.0	52.8	57.9	-	48.4	50.2	55.0	-	44.9	46.5	50.9	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		kW	3.78	3.86	3.99	-	4.08	4.17	4.30	-	4.34	4.44	4.58	-	4.57	4.67	4.83	-	4.77	4.88	5.04	-	4.94	5.05	5.22	-
		Amps	17.3	17.7	18.2	-	18.5	18.9	19.4	-	19.9	20.3	20.9	-	21.1	21.5	22.2	-	22.3	22.8	23.5	-	23.5	24.0	24.7	-
		Hi PR	255	274	289	-	286	307	325	-	325	350	369	-	370	398	420	-	416	448	473	-	460	495	523	-
		Lo PR	108	115	125	-	114	121	132	-	119	126	138	-	125	132	145	-	130	139	152	-	135	144	157	-
	1691	MBh	53.2	55.1	60.4	-	52.0	53.9	59.0	-	50.7	52.6	57.6	-	49.5	51.3	56.2	-	47.0	48.7	53.4	-	43.5	45.1	49.5	-
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		ΔT	20	17	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		kW	3.75	3.83	3.96	-	4.05	4.13	4.27	-	4.31	4.40	4.55	-	4.53	4.64	4.79	-	4.73	4.83	5.00	-	4.90	5.01	5.18	-
		Amps	17.2	17.5	18.0	-	18.4	18.8	19.3	-	19.7	20.2	20.7	-	20.9	21.4	22.0	-	22.1	22.6	23.3	-	23.3	23.8	24.5	-
		Hi PR	252	271	286	-	283	304	321	-	322	346	365	-	366	394	416	-	412	443	468	-	455	490	517	-
		Lo PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	134	142	155	-
	1483	MBh	49.1	50.9	55.8	-	48.0	49.7	54.5	-	46.8	48.5	53.2	-	45.7	47.3	51.9	-	43.4	45.0	49.3	-	40.2	41.7	45.6	-
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-
		ΔT	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		kW	3.66	3.74	3.86	-	3.95	4.03	4.16	-	4.20	4.29	4.43	-	4.42	4.52	4.67	-	4.61	4.71	4.87	-	4.77	4.88	5.04	-
		Amps	16.8	17.1	17.6	-	17.9	18.3	18.8	-	19.3	19.7	20.2	-	20.4	20.9	21.5	-	21.6	22.0	22.7	-	22.7	23.2	23.9	-
		Hi PR	244	263	278	-	274	295	312	-	312	336	354	-	355	382	404	-	400	430	454	-	442	475	502	-
		Lo PR	104	110	120	-	110	117	127	-	114	121	132	-	120	127	139	-	125	133	146	-	130	138	151	-
75	1898	MBh	55.7	57.4	62.1	66.7	54.4	56.0	60.7	65.1	53.1	54.7	59.2	63.6	51.8	**53.4**	57.8	62.0	49.2	50.7	54.9	58.9	45.6	47.0	50.8	54.6
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	**0.81**	0.62	0.40	0.94	0.85	0.64	0.41	0.95	0.85	0.65	0.41
		ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	19	16	11
		kW	3.81	3.90	4.02	4.15	4.11	4.20	4.34	4.49	4.38	4.48	4.62	4.78	4.61	**4.71**	4.87	5.04	4.81	4.92	5.08	5.26	4.98	5.09	5.27	5.45
		Amps	17.5	17.8	18.3	18.9	18.7	19.1	19.6	20.2	20.1	20.5	21.1	21.8	21.3	**21.7**	22.4	23.1	22.5	23.0	23.7	24.5	23.7	24.2	24.9	25.8
		Hi PR	257	277	292	305	288	310	328	342	328	353	373	389	374	**402**	425	443	420	452	478	498	465	500	528	551
		Lo PR	109	116	127	135	115	123	134	143	120	127	139	148	126	**134**	146	156	132	140	153	163	136	145	158	169
	1691	MBh	54.1	55.7	60.3	64.7	52.8	54.4	58.9	63.2	51.6	53.1	57.5	61.7	50.3	**51.8**	56.1	60.2	47.8	49.2	53.3	57.2	44.3	45.6	49.4	53.0
		S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	**0.78**	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40
		ΔT	23	21	18	12	24	22	18	12	24	22	18	12	24	**22**	18	12	23	22	18	12	22	20	17	11
		kW	3.78	3.87	3.99	4.12	4.08	4.17	4.31	4.45	4.34	4.44	4.58	4.74	4.57	**4.68**	4.83	5.00	4.77	4.88	5.04	5.21	4.94	5.05	5.22	5.40
		Amps	17.3	17.7	18.2	18.8	18.5	18.9	19.4	20.1	19.9	20.3	20.9	21.6	21.1	**21.6**	22.2	22.9	22.3	22.8	23.5	24.3	23.5	24.0	24.7	25.6
		Hi PR	255	274	289	302	286	307	325	339	325	350	369	385	370	**398**	420	439	416	448	473	493	460	495	523	545
		Lo PR	108	115	125	134	114	121	132	141	119	126	138	147	125	**132**	145	154	131	139	152	161	135	144	157	167
	1483	MBh	49.9	51.4	55.6	59.7	48.8	50.2	54.4	58.3	47.6	49.0	53.1	56.9	46.5	**47.8**	51.8	55.6	44.1	45.4	49.2	52.8	40.9	42.1	45.6	48.9
		S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.54	0.34	0.81	0.73	0.55	0.35	0.84	**0.75**	0.57	0.36	0.87	0.78	0.59	0.38	0.88	0.78	0.59	0.38
		ΔT	24	22	18	12	24	22	18	12	24	22	18	12	24	**22**	18	13	24	22	18	12	22	20	17	12
		kW	3.69	3.77	3.89	4.02	3.98	4.07	4.20	4.34	4.23	4.33	4.47	4.62	4.46	**4.56**	4.71	4.87	4.65	4.75	4.91	5.08	4.81	4.92	5.09	5.26
		Amps	16.9	17.3	17.7	18.3	18.1	18.5	19.0	19.6	19.4	19.8	20.4	21.1	20.6	**21.0**	21.6	22.4	21.7	22.2	22.9	23.6	22.9	23.4	24.1	24.9
		Hi PR	247	266	281	293	277	298	315	328	315	339	358	373	359	**386**	408	425	404	435	459	479	446	480	507	529
		Lo PR	105	111	122	130	111	118	129	137	115	122	134	142	121	**129**	140	149	127	135	147	157	131	139	152	162

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps (comp.+fan)

Expanded Cooling Data — GPC1460M41A* (cont.)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1898	MBh	56.7	58.0	61.9	66.2	55.4	56.6	60.5	64.6	54.1	55.3	59.0	63.1	52.8	53.9	57.6	61.6	50.1	51.2	54.7	58.5	46.4	47.4	50.7	54.2
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60
		ΔT	25	24	21	17	25	24	21	17	25	24	21	17	26	24	21	17	24	25	21	17	22	23	20	16
		kW	3.85	3.93	4.06	4.19	4.15	4.24	4.38	4.52	4.41	4.51	4.66	4.82	4.65	4.75	4.91	5.08	4.85	4.96	5.13	5.30	5.02	5.14	5.31	5.50
		Amps	17.6	18.0	18.5	19.1	18.8	19.2	19.8	20.4	20.2	20.7	21.3	22.0	21.4	21.9	22.6	23.3	22.7	23.2	23.9	24.7	23.9	24.4	25.1	26.0
		Hi PR	260	279	295	308	291	314	331	345	331	357	377	393	377	406	429	447	425	457	483	503	469	505	533	556
		Lo PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	148	157	133	142	155	165	138	147	160	170
	1691	MBh	55.1	56.3	60.1	64.3	53.8	55.0	58.7	62.8	52.5	53.6	57.3	61.3	51.2	52.3	**55.9**	59.8	48.7	49.7	53.1	56.8	45.1	46.1	49.2	52.6
		S/T	0.87	0.81	0.66	0.50	0.90	0.84	0.69	0.51	0.92	0.87	0.70	0.53	0.95	0.89	**0.73**	0.54	0.99	0.93	0.75	0.56	1.00	0.93	0.76	0.57
		ΔT	26	25	22	17	26	25	22	18	26	25	22	18	27	25	**22**	18	26	25	22	17	24	23	20	16
		kW	3.81	3.90	4.02	4.15	4.11	4.20	4.34	4.49	4.38	4.48	4.62	4.78	4.61	4.71	**4.87**	5.04	4.81	4.92	5.08	5.26	4.98	5.09	5.27	5.45
		Amps	17.5	17.8	18.3	18.9	18.7	19.1	19.6	20.2	20.1	20.5	21.1	21.8	21.3	21.7	**22.4**	23.1	22.5	23.0	23.7	24.5	23.7	24.2	24.9	25.8
		Hi PR	257	277	292	305	289	310	328	342	328	353	373	389	374	402	**425**	443	420	452	478	498	465	500	528	551
		Lo PR	109	116	127	135	115	123	134	143	120	127	139	148	126	134	**146**	156	132	140	153	163	136	145	158	169
	1483	MBh	50.8	51.9	55.5	59.3	49.6	50.7	54.2	57.9	48.5	49.5	52.9	56.6	47.3	48.3	51.6	55.2	44.9	45.9	49.0	52.4	41.6	42.5	45.4	48.6
		S/T	0.84	0.79	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
		ΔT	26	25	22	18	27	26	22	18	27	26	22	18	27	26	22	18	27	25	22	18	25	24	21	17
		kW	3.72	3.80	3.92	4.05	4.01	4.10	4.23	4.37	4.27	4.36	4.51	4.66	4.49	4.60	4.75	4.91	4.69	4.79	4.95	5.12	4.85	4.96	5.13	5.31
		Amps	17.1	17.4	17.9	18.5	18.2	18.6	19.1	19.8	19.6	20.0	20.6	21.3	20.8	21.2	21.8	22.5	21.9	22.4	23.1	23.8	23.1	23.6	24.3	25.1
		Hi PR	249	268	283	296	280	301	318	332	318	343	362	377	363	390	412	430	408	439	463	483	451	485	512	534
		Lo PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	149	158	132	141	154	164
85	1898	MBh	57.7	58.8	61.6	65.7	56.4	57.5	60.2	64.2	55.0	56.1	58.7	62.7	53.7	54.7	57.3	61.1	51.0	52.0	54.4	58.1	47.2	48.2	50.4	53.8
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77
		ΔT	27	26	25	21	27	27	25	22	27	27	25	22	26	27	25	22	25	25	25	22	23	23	23	20
		kW	3.88	3.96	4.09	4.22	4.18	4.27	4.41	4.56	4.45	4.55	4.70	4.86	4.69	4.80	4.96	5.13	4.89	5.00	5.17	5.35	5.07	5.18	5.36	5.54
		Amps	17.7	18.1	18.6	19.2	19.0	19.4	19.9	20.6	20.4	20.8	21.4	22.1	21.6	22.1	22.7	23.5	22.8	23.3	24.0	24.9	24.1	24.6	25.3	26.2
		Hi PR	262	282	298	311	294	317	334	349	335	360	380	397	381	410	433	452	429	462	487	508	474	510	539	562
		Lo PR	111	118	129	138	118	125	137	145	122	130	142	151	128	137	149	159	134	143	156	166	139	148	162	172
	1691	MBh	56.0	57.1	59.8	63.8	54.7	55.8	58.4	62.3	53.4	54.5	57.0	60.8	52.1	53.1	55.6	59.4	49.5	50.5	52.9	56.4	45.9	46.7	49.0	52.2
		S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		ΔT	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	27	27	26	22	25	25	24	21
		kW	3.85	3.93	4.06	4.19	4.15	4.24	4.38	4.52	4.41	4.51	4.66	4.82	4.65	4.75	4.91	5.08	4.85	4.96	5.13	5.30	5.02	5.14	5.31	5.50
		Amps	17.6	18.0	18.5	19.1	18.8	19.2	19.8	20.4	20.2	20.7	21.3	22.0	21.4	21.9	22.6	23.3	22.7	23.2	23.9	24.7	23.9	24.4	25.1	26.0
		Hi PR	260	279	295	308	291	314	331	345	331	357	377	393	377	406	429	447	425	457	483	503	469	505	533	556
		Lo PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	148	157	133	142	155	165	138	147	160	170
	1483	MBh	51.7	52.7	55.2	58.9	50.5	51.5	53.9	57.5	49.3	50.3	52.6	56.2	48.1	49.0	51.4	54.8	45.7	46.6	48.8	52.0	42.3	43.1	45.2	48.2
		S/T	0.88	0.85	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.97	0.88	0.71
		ΔT	28	28	26	23	28	28	26	23	29	28	27	23	29	28	27	23	28	28	26	23	26	26	25	21
		kW	3.75	3.83	3.96	4.08	4.05	4.13	4.27	4.41	4.30	4.40	4.54	4.70	4.53	4.63	4.79	4.95	4.73	4.83	5.00	5.17	4.89	5.01	5.17	5.35
		Amps	17.2	17.5	18.0	18.6	18.4	18.8	19.3	19.9	19.7	20.2	20.7	21.4	20.9	21.4	22.0	22.7	22.1	22.6	23.3	24.0	23.3	23.8	24.5	25.3
		Hi PR	252	271	286	299	283	304	321	335	321	346	365	381	366	394	416	434	412	443	468	488	455	490	517	539
		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

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Model	Speed	Volts		E.S.P (In. of H2O)								
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
GPC1424M41*	T1	230	CFM	580	505	445	390	320	---	---	---	
			WATTS	36	46	54	60	65	---	---	---	
	T2/T3	230	CFM	900	850	800	740	655	605	555	490	420
			WATTS	92	101	110	119	126	135	140	145	153
	T4/T5	230	CFM	1230	1190	1140	1095	1040	990	920	850	785
			WATTS	202	212	220	233	235	243	249	262	265
GPC1430M41*	T1	230	CFM	---	550	475	415	340	270	---	---	---
			WATTS	---	50	59	66	74	77	---	---	---
	T2/T3	230	CFM	1070	1030	985	935	875	770	705	660	---
			WATTS	144	153	160	169	178	184	188	200	---
	T4/T5	230	CFM	1345	1305	1260	1220	1180	1125	1080	975	900
			WATTS	258	273	272	283	292	298	306	310	320
GPC1436M41*	T1	230	CFM	1070	1030	980	935	870	775	720	665	---
			WATTS	145	161	165	173	181	190	198	202	---
	T2/T3	230	CFM	1285	1245	1205	1165	1110	1060	1005	910	860
			WATTS	238	246	258	264	263	282	288	296	296
	T4/T5	230	CFM	1505	1465	1420	1385	1335	1300	1250	1205	1150
			WATTS	359	371	384	383	393	398	406	416	422
GPC1442M41*	T1	230	CFM	1035	995	945	895	845	790	695	630	580
			WATTS	132	144	152	157	168	176	183	189	196
	T2/T3	230	CFM	1410	1365	1330	1290	1250	1205	1155	1110	1065
			WATTS	301	312	316	322	331	339	347	356	365
	T4/T5	230	CFM	1545	1500	1465	1425	1385	1345	1310	1270	1225
			WATTS	390	396	413	417	421	431	435	443	453
GPC1448M41*	T1	230	CFM	1355	1300	1250	1210	1155	1110	1045	965	905
			WATTS	212	228	230	246	248	261	273	282	289
	T2/T3	230	CFM	1655	1610	1575	1530	1485	1440	1395	1340	1285
			WATTS	365	370	383	396	410	417	416	423	434
	T4/T5	230	CFM	1895	1855	1805	1770	1730	1685	1640	1600	1565
			WATTS	558	558	578	584	590	594	602	612	615
GPC1460M41*	T1	230	CFM	1360	1300	1260	1215	1175	1125	1085	1030	960
			WATTS	213	221	233	244	255	264	273	293	304
	T2/T3	230	CFM	1665	1630	1595	1555	1505	1475	1425	1380	1360
			WATTS	385	405	410	409	429	441	448	454	471
	T4/T5	230	CFM	2000	1960	1925	1875	1835	1800	1760	1725	1680
			WATTS	642	651	660	651	672	683	691	699	695

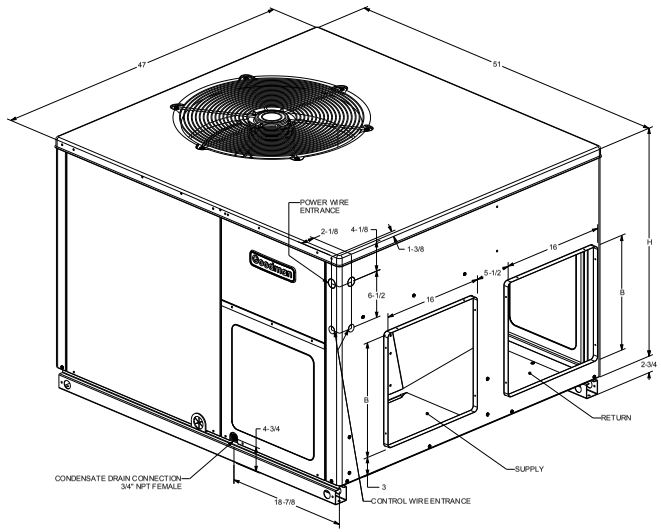
Notes

- Data shown is dry coil. Wet coil pressure drop is approximately 0.1” H_2O, for two-row indoor coil; 0.2” H_2O, for three-row indoor coil; and 0.3” H_2O, for four-row indoor coil.
- Data shown does not include filter pressure drop, approx. 0.08” H_2O.
- ALL MODELS SHOULD RUN NO LESS THAN 350 CFM/TON. USE HIGHER SPEED TAP OR NEXT SIZE LARGER BLOWER ASM. See Repair Parts list.
- Reduce airflow by 2% for 208-volt operation.

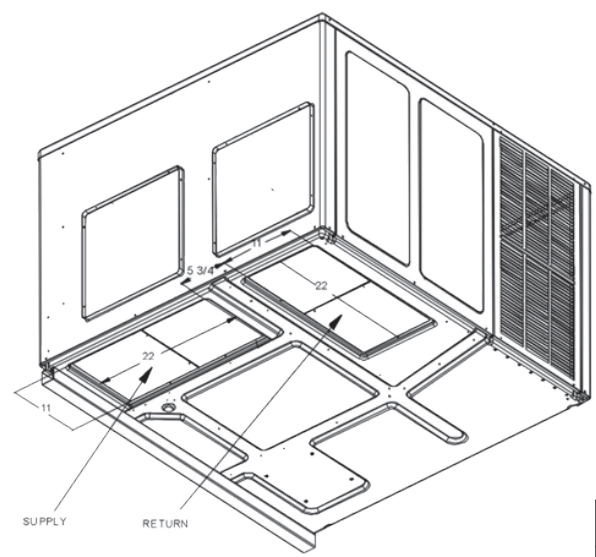
Model and Heat Kit Usage	Circuit #1		Circuit #2		Single-Point Kit		Actual kW / BTU@ 240V
	MCA[1]	MOP[2]	MCA[1]	MOP[2]	MCA[1]	MOP[2]	
GPC14240M41**	1.9	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	25	40	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 39	40 / 40	7.0 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	45 / 52	60 / 60	9.5 / 32,400
GPC1430M41**	1.9	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	25	40	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 39	40 / 40	7.0 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	45 / 52	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	66 / 76	70 / 80	14.25 / 48,600
GPC1436M41**	1.9	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	25	40	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 39	40 / 40	7.0 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	45 / 52	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	66 / 76	70 / 80	14.25 / 48,600
GPC1442M41**	1.9	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	25	40	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 39	40 / 40	7.0 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	45 / 52	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	66 / 76	70 / 80	14.25 / 48,600
GPC1448M41**	7.3	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	32	50	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	38 / 40	50	7.0 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	49 / 56	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
GPC1460M41**	9.5	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	42	60	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	42	60	7.0 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	51 / 58	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	72 / 82	80 / 90	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	93 / 107	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
Note: HKP-15C* and HKP-20C* replace HKR-15C and HKR-20C respectively to meet new UL1995 requirements.

ECN	REV	ZONE	DESCRIPTION	CHK	D	DATE
XXXXXXX	A	XXXXX		–	GL	



MODEL	DIMENSIONS			CHASSIS SIZE	
	W"	D"	H"	MED.	LARGE
GPC1424M41A*	47	51	34¾	X	
GPC1430M41A*	47	51	34¾	X	
GPC1436M41A*	47	51	34¾	X	
GPC1442M41A*	47	51	34¾	X	
GPC1448M41A*	47	51	42¾		X
GPC1460M41A*	47	51	42¾		X



MODEL	DIMENSIONS	
	A	B
GPC1424M41A*	32	16
GPC1430M41A*	32	16
GPC1436M41A*	32	16
GPC1442M41A*	32	16
GPC1448M41A*	40	18
GPC1460M41A*	40	18

SPECIAL CHARACTERISTICS:

6S = 6SIGMA CC = CRITICAL CHARACTERISTIC SG = SIGNIFICANT CHARACTERISTIC

COMPONENTS AND MATERIALS SPECIFIED HEREIN WILL ALSO CONFORM TO THE APPLICABLE SECTION OF GOODMAN MSP 824.01 WORKMANSHIP STANDARD FOR FIT, FEEL AND FINISH.

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Goodman Company, L.C.

DRAWING TO BE INTERPRETED IN ACCORDANCE WITH ASME Y14.100

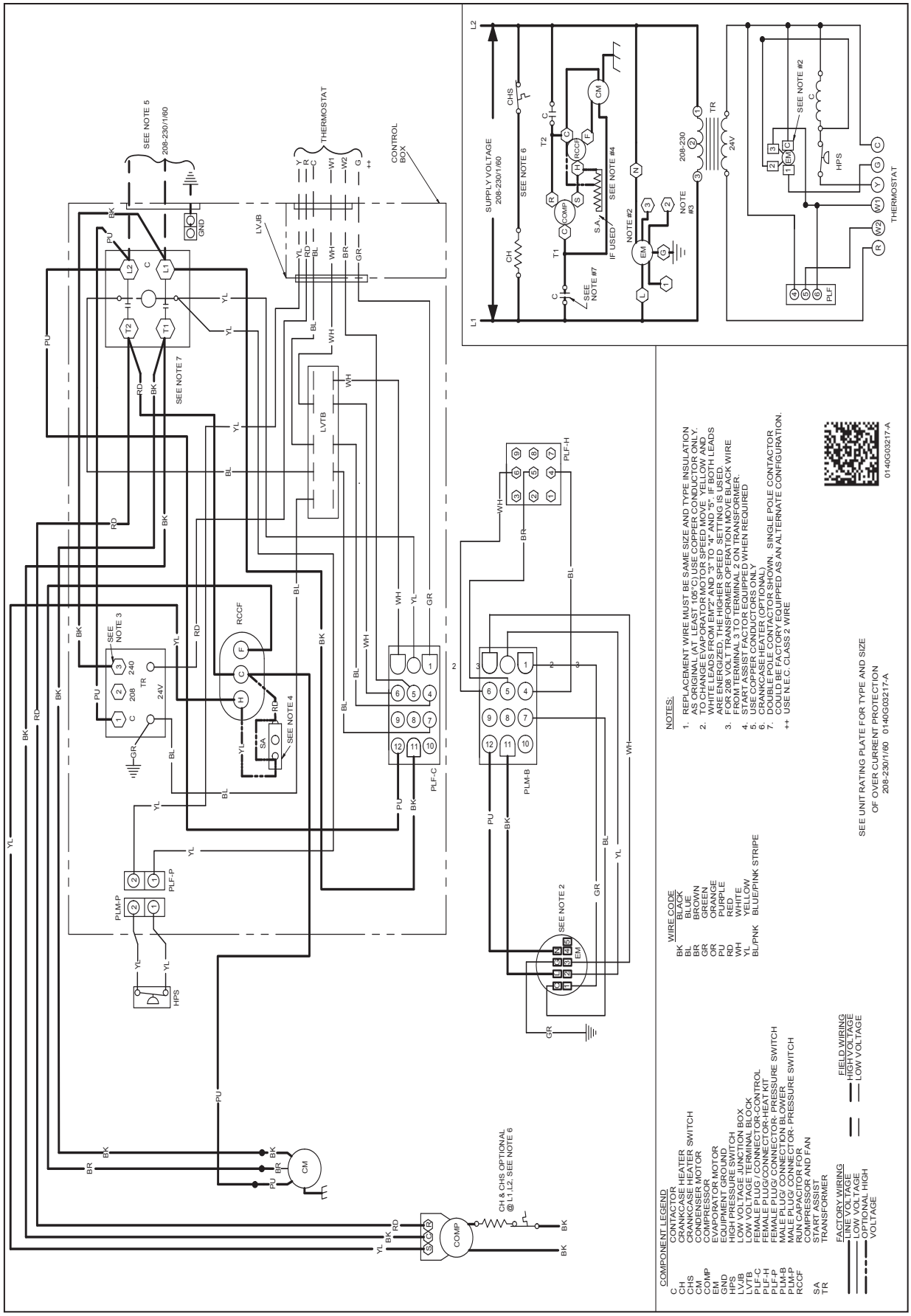
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

GPC14M

TOLERANCES: ANGLES ± 1.5° .X : ± .1 .XX : ± .03 .XXX : ± .015 HOLE Ø : ± .005 TUBE CUT LG: ± .063

DWN BY: | ENG: | DO NOT SCALE DRAWING | SHT 1 OF 1

REV A



WARNING

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.

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

Accessory Description	Item Number	
	Medicum Chassis	Large Chassis
Concentric Kit	CDK36	CDK4872
Downflow Economizer	GPJMED102	GPJMED103
Downflow Internal Filter Rack	DDNIFRPCHMM	DDNIFRPCHML
Downflow Manual Damper	PGMDD101/102	PGMDD103
Downflow Motorized Damper	PGMDMD101/102	PGMDMD103
Downflow Square to Round	SQRPG101/102	SQRPG103
Economizer Wiring Harness	0259G00213	0259G00213
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Duct Cover	20464501PDGK	20464502PDGK
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHL
Horizontal Manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRPGH101/102	SQRPGH103
Internal Horizontal Filter Rack	DHZIFRPGCHA	DHZIFRPGCHA
Outdoor Thermostat & Emergency Heat Relay Kit	OT/EHR18-60	OT/EHR18-60
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	D14CRBPGCHMA	D14CRBPGCHMA

SINGLE-POINT KIT ACCESSORY KITS

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

Model	Single-Point Kit
GPC1424M41**	SPK-35
GPC1430M41**	SPK-35
GPC1436M41**	SPK-40
GPC1442M41**	SPK-45
GPC1448M41**	SPK-50
GPC1460M41**	SPK-70

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