

**PACKAGED GAS / ELECTRIC
UP TO 15.2 SEER2/ 81% AFUE
2 TO 5 TONS**



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Standard Features

- Durable, corrosion-resistant T-140 aluminized steel tubular heat exchanger
- High-efficiency two-stage scroll compressor
- Convertible airflow: horizontal or downflow application
- Variable-speed ECM indoor blower motor
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil on 2- to 4-ton units
- Aluminum-copper evaporator coil on 5-ton units
- Power-assisted combustion
- Loss-of-charge protection & high-pressure switch
- Two-stage gas valve; natural gas with easy conversion to propane with accessory kit
- Direct spark ignition system includes a microprocessor-based control for the entire ignition sequence
- All blower operation and all safety circuits complete with self-diagnostics
- All models comply with California Low NOx emission standards (40ng/J NOx)
- This furnace does not comply with the SCAQMD Rule 1111 nor the SJVAPCD Rule 4905 14 ng/J NOx emission limit and therefore is not eligible for installation in California's South Coast Air Quality Management District (SCAQMD) nor the San Joaquin Valley Air Pollution Control District (SJVAPCD)
- AHRI Certified; ETL Listed

Cabinet Features

- Fully insulated heavy-gauge, zinc-coated steel cabinet with UV-resistant powder-paint finish
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Convenient access panels
- One roof curb fits 2-4 ton units
- Bottom, 2" high base rails for easier handling
- 2-4 ton models fit a standard-size pick-up truck
- When properly anchored, meets the 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193

20 YEAR HEAT EXCHANGER LIMITED WARRANTY | 10 YEAR PARTS LIMITED WARRANTY

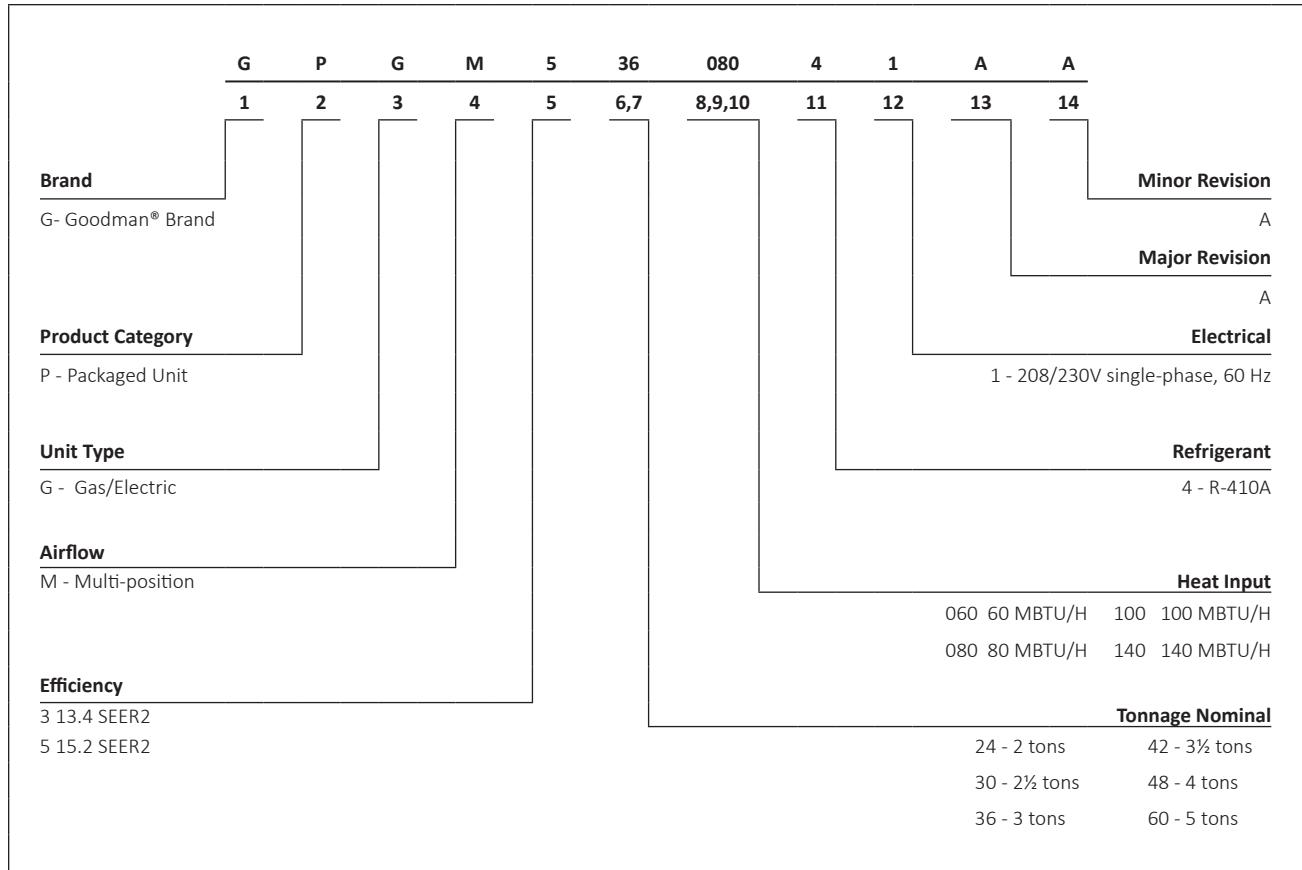


COMPANY WITH
ENVIRONMENTAL SYSTEM
CERTIFIED BY DNV GL
= ISO 14001 =

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



* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the 20-Year Heat Exchanger Limited Warranty (good for as long as you own your home), and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec. The duration of warranty coverages in Texas and Florida differs in some cases.



	GPGM524 06041AA	GPGM530 08041AA	GPGM536 08041AA	GPGM542 10041AA	GPGM548 10041AA	GPGM560 14041AA
COOLING CAPACITY						
Total BTU/h	23,000	29,000	35,000	41,000	46,000	58,000
Sensible BTU/h	19,100	22,500	28,700	31,000	34,500	42,600
SEER2 / EER2	15.2 / 11.2	14.6 / 11.2	15.2 / 11.2	14.7 / 11.2	15.0 / 11.2	15.2 / 11.2
Decibels	78	76	79	80	79	78
AHRI Reference #s	209319556	209319559	209319563	209319567	209319570	209319573
HEATING CAPACITY (BTU/H)						
High-Fire Input / Output	60,000 / 48,600	80,000 / 64,800	80,000 / 64,800	100,000 / 81,000	100,000 / 81,000	135,000 / 109,350
Low-Fire Input / Output	45,000 / 36,450	60,000 / 48,600	60,000 / 48,600	75,000 / 60,750	75,000 / 60,750	101,250 / 82,000
AFUE	81	81	81	81	81	81
High/Low Temperature Rise Range	25-55/25-55	35 - 65/35-65	35 - 65/35-65	35 - 65/35-65	35 - 65/35-65	35-65/25-55
No. of Burners	3	4	4	5	5	6
EVAPORATOR MOTOR						
Type	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10" x 8"	10" x 9"	11" x 10"	11" x 10"	11" x 10"	11" x 10"
Indoor Nominal CFM	800	950	1,200	1,250	1,300	2,000
No. of Speeds	5	5	5	5	5	5
Horsepower	1/2	1/2	3/4	3/4	3/4	1
EVAPORATOR COIL						
Face Area (ft ²)	4.3	4.3	5.7	5.7	5.7	9.2
Rows Deep/Fins per Inch	3 / 14	3 / 14	4 / 14	4 / 14	4 / 14	4 / 16
Piston Size (Cooling)	TXV	TXV	TXV	TXV	TXV	TXV
Filter Size (ft ²)	(1)20X20X1	(1)20X25X1	(1)25X25X1	(2)20X20X1	(2)20X20X1	(1)14X20X2 (2)20X20X2
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	70	64	114	143	100	150
CONDENSER FAN / COIL						
Horsepower - RPM	1/6 - 810	1/4 - 830	1/4 - 1075	1/4 - 1,075	1/4 - 1,075	1/3 - 1,000
Diameter / # of Blades	22" / 3	22" / 3	22" / 3	22" / 3	22" / 3	22" / 3
Outdoor Nominal CFM	2,200	2,200	3,100	3,200	3,100	4,200
Face Area (ft ²)	12.3	8.7	14.4	14.9	14.4	19
Rows Deep/Fins per Inch	1 / 24	2 / 27	2 / 27	2 / 16	2 / 27	2 / 28
COMPRESSOR						
Quantity / Type / Stage	1 / Scroll / 2					
Compressor RLA/LRA	10.9/62.9	13.1 / 73.0	14.1 / 84.2	19.9 / 150.7	20.4 / 122.1	27 / 139.9
ELECTRICAL DATA						
Voltage-Phase (Frequency 60Hz)	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1
Indoor Blower FLA/LRA	3.8	4.3	6.8	6.8	6.8	6.9
Outdoor Fan FLA/LRA	0.95/ 2.0	1.3 / 3.0	1.4 / 3.2	1.4 / 3.2	1.4 / 3.2	2.8 / 4.4
Min. Circuit Ampacity ¹	18.4	22.0	25.8	33.1	33.7	43.3
Max. Overcurrent Protection ²	25 amps	35 amps	35 amps	50 amps	50 amps	70amps
OPERATING / SHIP WEIGHTS (LBS)						
	370 / 380	397 / 407	490 / 500	495 / 505	490 / 500	655 / 713
ENERGY STAR CERTIFIED						
	NO	NO	NO	NO	NO	NO

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.² Must use time-delay 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.

		OUTDOOR AMBIENT TEMPERATURE												105°F						115°F						
		65°F						75°F						85°F						95°F						
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
490	MBh	16.8	17.1	17.6	-	16.7	16.9	17.4	-	16.2	16.5	17.0	-	15.5	15.7	16.2	-	14.6	14.8	15.3	-	13.7	13.9	14.5	-	
	S/T	0.66	0.58	0.43	-	0.67	0.59	0.44	-	1.00	0.61	0.47	-	1.00	0.64	0.49	-	1.00	0.66	0.51	-	1.00	1.00	0.57	-	
	ΔT	19.47	17.67	14.31	-	19.42	17.62	14.26	-	19.67	17.87	14.51	-	19.40	17.60	14.24	-	19.16	17.36	14.00	-	20.29	18.49	15.13	-	
	KW	0.92	0.92	0.92	-	1.04	1.03	1.03	-	1.16	1.16	1.16	-	1.30	1.30	1.30	-	1.45	1.45	1.45	-	1.63	1.63	1.63	-	
	Amps	3.50	3.50	3.49	-	4.00	3.99	3.98	-	4.55	4.54	4.53	-	5.14	5.14	5.13	-	5.81	5.80	5.80	-	6.59	6.58	6.58	-	
	Hi PR	242	243	245	-	280	281	283	-	320	321	323	-	363	364	366	-	410	411	413	-	459	460	462	-	
	Lo PR	131	133	136	-	139	141	144	-	146	148	151	-	152	154	157	-	158	159	163	-	165	167	170	-	
70	MBh	17.0	17.3	17.8	-	16.9	17.1	17.6	-	16.5	16.7	17.2	-	15.7	15.9	16.4	-	14.8	15.0	15.5	-	13.9	14.2	14.7	-	
	S/T	0.73	0.65	0.50	-	0.74	0.65	0.50	-	1.00	0.68	0.53	-	1.00	0.70	0.55	-	1.00	0.73	0.58	-	1.00	1.00	0.63	-	
	ΔT	18.38	16.58	13.22	-	18.33	16.53	13.17	-	18.58	16.78	13.42	-	18.31	16.51	13.15	-	18.07	16.27	12.91	-	19.20	17.40	14.04	-	
	KW	0.93	0.93	0.92	-	1.04	1.04	1.04	-	1.17	1.17	1.17	-	1.30	1.30	1.30	-	1.46	1.46	1.46	-	1.64	1.64	1.63	-	
	Amps	3.53	3.52	3.52	-	4.02	4.02	4.01	-	4.57	4.57	4.56	-	5.17	5.16	5.16	-	5.83	5.83	5.82	-	6.61	6.61	6.60	-	
	Hi PR	244	245	247	-	282	283	285	-	322	323	325	-	365	366	368	-	412	413	415	-	461	463	464	-	
	Lo PR	133	135	138	-	141	143	146	-	148	150	153	-	154	156	159	-	160	161	165	-	167	169	172	-	
630	MBh	17.3	17.5	18.1	-	17.2	17.4	17.9	-	16.7	17.0	17.5	-	16.0	16.2	16.7	-	15.0	15.3	15.8	-	14.2	14.4	14.9	-	
	S/T	0.77	0.68	0.53	-	1.00	0.69	0.54	-	1.00	0.72	0.57	-	1.00	0.74	0.59	-	1.00	0.76	0.61	-	1.00	1.00	0.67	-	
	ΔT	17.47	15.66	12.30	-	17.42	15.62	12.25	-	17.67	15.87	12.51	-	17.40	15.60	12.24	-	17.16	15.36	11.99	-	18.28	16.48	13.12	-	
	KW	0.93	0.93	0.93	-	1.05	1.05	1.04	-	1.17	1.17	1.17	-	1.31	1.31	1.31	-	1.46	1.46	1.46	-	1.64	1.64	1.64	-	
	Amps	3.55	3.55	3.54	-	4.04	4.04	4.03	-	4.59	4.59	4.58	-	5.19	5.19	5.18	-	5.85	5.85	5.84	-	6.64	6.63	6.62	-	
	Hi PR	246	247	249	-	284	285	287	-	324	325	327	-	367	368	370	-	414	415	417	-	463	465	466	-	
	Lo PR	135	137	140	-	143	145	148	-	150	152	155	-	156	158	161	-	162	164	167	-	169	171	174	-	
490	MBh	16.8	17.1	18.3	16.7	16.9	17.4	18.2	16.2	16.5	17.0	17.0	17.8	15.5	15.7	16.2	17.0	14.6	14.8	15.3	16.1	13.7	14.0	14.5	15.2	
	S/T	0.81	0.72	0.57	0.42	1.00	0.73	0.58	0.42	1.00	0.76	0.61	0.45	1.00	0.78	0.63	0.47	1.00	0.65	0.50	1.00	0.71	0.55	1.00	0.62	
	ΔT	23.43	21.63	18.26	14.78	23.38	21.58	21.22	14.73	23.63	21.83	21.84	14.99	23.36	21.56	18.20	14.71	23.12	21.32	17.96	14.47	24.25	22.45	19.08	15.60	
	KW	0.92	0.92	0.92	0.93	1.03	1.03	1.03	1.04	1.16	1.16	1.16	1.17	1.30	1.30	1.30	1.30	1.45	1.45	1.45	1.46	1.63	1.63	1.63	1.64	
	Amps	3.50	3.50	3.49	3.52	3.99	3.99	3.98	4.02	4.54	4.54	4.53	4.57	5.14	5.13	5.13	5.16	5.80	5.80	5.79	5.83	6.59	6.58	6.57	6.61	
	Hi PR	242	243	245	249	280	282	283	287	320	322	323	327	364	365	366	371	410	411	413	417	460	461	462	467	
	Lo PR	131	133	136	142	139	141	144	150	146	148	151	157	152	154	157	163	158	160	163	168	165	167	170	176	
75	MBh	17.1	17.3	17.8	18.6	16.9	17.1	17.6	18.4	16.5	16.7	17.2	18.0	15.7	15.9	16.4	17.2	14.8	15.0	15.5	16.3	13.9	14.2	14.7	15.5	
	S/T	0.87	0.79	0.64	0.48	1.00	0.79	0.65	0.49	1.00	0.82	0.67	0.52	1.00	1.00	0.69	0.54	1.00	0.72	0.56	1.00	1.00	0.78	0.62		
	ΔT	22.34	20.54	17.18	13.69	22.29	20.49	17.13	13.65	22.54	20.74	17.38	13.90	22.27	20.47	17.11	13.63	22.03	20.23	16.87	13.39	23.16	21.36	18.00	14.51	
	KW	0.93	0.93	0.92	0.93	1.04	1.04	1.04	1.05	1.17	1.17	1.16	1.17	1.30	1.30	1.30	1.31	1.46	1.46	1.46	1.46	1.64	1.64	1.64	1.64	
	Amps	3.52	3.52	3.51	3.55	4.02	4.01	4.01	4.04	4.57	4.56	4.56	4.59	5.16	5.16	5.15	5.19	5.83	5.83	5.82	5.86	6.61	6.61	6.60	6.64	
	Hi PR	244	245	247	251	283	284	285	290	323	324	325	320	330	336	367	368	373	412	413	415	419	462	463	464	469
	Lo PR	133	135	138	144	141	143	146	152	148	150	153	159	154	156	159	165	160	161	165	170	167	169	172	178	
630	MBh	17.3	17.6	18.1	18.8	17.2	17.4	17.9	18.7	16.7	17.0	17.5	18.2	16.0	16.2	16.7	17.5	15.1	15.3	15.8	16.6	14.2	14.4	14.9	15.7	
	S/T	21.42	19.62	16.26	12.78	21.37	19.57	16.21	12.73	21.63	19.83	16.47	12.98	21.36	19.56	16.19	12.71	21.12	19.31	15.95	12.47	22.24	20.44	17.08	13.60	
	ΔT	0.93	0.93	0.93	0.94	1.05	1.04	1.04	1.05	1.17	1.17	1.17	1.18	1.31	1.31	1.31	1.31	1.46	1.46	1.46	1.47	1.64	1.64	1.64	1.65	
	KW	3.55	3.54	3.53	3.57	4.04	4.04	4.03	4.06	4.59	4.59	4.58	4.62	5.19	5.18	5.17	5.21	5.85	5.85	5.84	5.88	6.63	6.63	6.62	6.66	
	Amps	246	247	249	253	285	286	287	291	325	326	327	332	336	375	414	415	417	421	424	464	465	466	471	471	471
	Hi PR	135	137	140	146	143	145	148	154	150	152	155	161	156	158	161	167	162	164	167	172	169	171	174	180	

DB: Enterling Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ACCA (TVA) conditions.
IDB: Total system power
Amps = outdoor unit amps (comp+fan)

IDB	Airflow	OUTDOOR AMBIENT TEMPERATURE													115°F										
		65°F						75°F						85°F						95°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
490	MBh	16.9	17.2	17.7	18.4	16.8	17.0	17.5	18.3	16.3	16.6	17.1	17.8	15.6	15.8	16.3	17.1	14.7	14.9	15.4	16.2	13.8	14.0	14.5	15.3
	S/T	1.00	0.86	0.71	0.55	1.00	0.87	0.72	0.56	1.00	1.00	0.75	0.59	1.00	1.00	0.77	0.61	1.00	1.00	0.79	0.63	1.00	1.00	1.00	0.69
	ΔT	27.41	25.61	22.25	18.77	27.36	25.56	22.20	18.72	27.62	25.82	22.45	18.97	27.35	25.54	22.18	18.70	27.10	25.30	21.94	18.46	28.23	26.43	23.07	19.59
	KW	0.92	0.92	0.92	0.93	1.04	1.03	1.04	1.16	1.16	1.16	1.16	1.17	1.30	1.30	1.30	1.30	1.45	1.45	1.45	1.46	1.63	1.63	1.63	1.64
	Amps	3.50	3.50	3.49	3.53	3.99	3.99	3.98	4.02	4.55	4.54	4.53	4.57	5.14	5.14	5.13	5.17	5.81	5.80	5.79	5.83	6.59	6.58	6.58	6.61
	Hi PR	243	244	245	250	281	282	284	288	321	322	324	328	364	365	367	371	410	412	413	417	460	461	463	467
	Lo PR	132	133	137	142	140	141	145	150	147	148	152	157	153	154	158	163	160	163	169	166	167	171	176	
560	MBh	17.1	17.4	17.9	18.7	17.0	17.2	17.7	18.5	16.6	16.8	17.3	18.1	15.8	16.0	16.5	17.3	14.9	15.1	15.6	16.4	14.0	14.3	14.8	15.5
	S/T	1.00	0.93	0.78	0.62	1.00	0.93	0.78	0.63	1.00	1.00	0.81	0.65	1.00	1.00	0.83	0.68	1.00	1.00	0.86	0.70	1.00	1.00	1.00	0.76
	ΔT	26.33	24.52	21.16	17.68	26.28	24.48	21.11	17.63	26.53	24.73	21.37	17.88	26.26	24.46	21.10	17.61	26.02	24.22	20.85	17.37	27.14	25.34	21.98	18.50
	KW	0.93	0.93	0.92	0.93	1.04	1.04	1.04	1.05	1.17	1.17	1.16	1.17	1.30	1.30	1.31	1.31	1.46	1.46	1.46	1.46	1.64	1.64	1.63	1.64
	Amps	3.53	3.52	3.51	3.55	4.02	4.02	4.01	4.05	4.57	4.57	4.56	4.60	5.17	5.16	5.15	5.19	5.83	5.83	5.82	5.86	6.61	6.61	6.60	6.64
	Hi PR	245	246	248	252	283	284	286	290	323	324	326	330	366	367	369	373	413	414	415	420	462	463	465	469
	Lo PR	134	135	139	144	142	143	147	152	149	150	154	159	155	156	160	165	162	165	171	168	169	173	178	
630	MBh	17.4	17.6	18.1	18.9	17.3	17.5	18.0	18.8	16.8	17.1	17.6	18.3	16.1	16.3	16.8	17.6	15.1	15.4	15.9	16.6	14.3	14.5	15.0	15.8
	S/T	1.00	0.96	0.81	0.66	1.00	1.00	0.82	0.66	1.00	1.00	0.85	0.69	1.00	1.00	0.87	0.71	1.00	1.00	0.74	0.74	1.00	1.00	1.00	0.79
	ΔT	25.41	23.61	20.25	16.76	25.36	23.56	20.20	16.72	25.61	23.81	20.45	16.97	25.34	23.54	20.18	16.70	25.10	23.30	19.94	16.46	26.23	24.43	21.07	17.58
	KW	0.93	0.93	0.93	0.94	1.05	1.05	1.04	1.05	1.17	1.17	1.17	1.18	1.31	1.31	1.32	1.32	1.46	1.46	1.46	1.47	1.64	1.64	1.64	1.65
	Amps	3.55	3.54	3.54	3.57	4.04	4.04	4.03	4.07	4.59	4.59	4.58	4.62	5.19	5.18	5.21	5.21	5.85	5.85	5.84	5.88	6.64	6.63	6.62	6.66
	Hi PR	247	248	250	254	285	286	288	292	325	326	328	332	368	369	371	375	415	416	417	422	464	465	467	471
	Lo PR	136	137	141	146	144	145	149	154	151	152	156	161	157	158	162	167	163	164	167	173	170	171	175	180
490	MBh	17.2	17.4	17.9	18.7	17.1	17.3	17.8	18.6	16.6	16.9	17.4	18.1	15.9	16.1	16.6	17.4	14.9	15.2	15.7	16.4	14.1	14.3	14.8	15.6
	S/T	1.00	0.97	0.82	0.67	1.00	1.00	0.83	0.67	1.00	1.00	0.86	0.70	1.00	1.00	0.72	0.72	1.00	1.00	0.74	0.74	1.00	1.00	1.00	0.80
	ΔT	30.95	29.15	25.79	22.30	30.90	29.10	25.74	22.25	31.15	29.35	25.99	22.51	30.88	29.08	25.72	22.23	30.64	28.84	25.48	21.99	31.77	29.97	26.60	23.12
	KW	0.92	0.92	0.92	0.93	1.04	1.04	1.03	1.04	1.16	1.16	1.16	1.17	1.30	1.30	1.31	1.31	1.45	1.45	1.45	1.46	1.63	1.63	1.63	1.64
	Amps	3.51	3.51	3.50	3.54	4.00	4.00	3.99	4.03	4.55	4.55	4.54	4.58	5.15	5.15	5.18	5.18	5.82	5.82	5.81	5.84	6.60	6.59	6.59	6.62
	Hi PR	244	245	247	251	282	283	285	289	322	323	325	329	365	366	368	372	412	413	414	419	461	462	464	468
	Lo PR	134	135	139	144	142	143	147	152	149	150	154	159	155	156	160	165	160	162	165	171	168	169	173	178
560	MBh	17.4	17.7	18.2	18.9	17.3	17.5	18.0	18.8	16.8	17.1	17.6	18.3	16.1	16.3	16.8	17.6	15.2	15.4	15.9	16.7	14.3	14.6	15.1	15.8
	S/T	1.00	0.89	0.73	0.58	1.00	1.00	0.89	0.74	1.00	1.00	0.92	0.77	1.00	1.00	0.92	0.79	1.00	1.00	0.81	0.81	1.00	1.00	1.00	0.87
	ΔT	29.86	28.06	24.70	21.21	29.81	28.01	24.65	21.17	30.06	28.26	24.90	21.42	29.79	27.99	24.63	21.15	29.55	27.75	24.39	20.91	30.68	28.88	25.52	22.03
	KW	0.93	0.93	0.93	0.94	1.04	1.04	1.04	1.05	1.17	1.17	1.17	1.18	1.31	1.31	1.31	1.31	1.46	1.46	1.46	1.47	1.64	1.64	1.64	1.65
	Amps	3.54	3.53	3.52	3.56	4.03	4.02	4.06	4.03	4.58	4.58	4.57	4.61	5.18	5.17	5.16	5.20	5.84	5.84	5.83	5.87	6.62	6.62	6.61	6.65
	Hi PR	246	247	249	253	284	285	287	291	324	325	327	331	367	368	370	374	414	415	416	421	463	464	466	470
	Lo PR	136	137	141	146	144	145	149	154	151	152	156	161	157	158	162	167	162	164	167	173	170	171	175	180
630	MBh	17.7	17.9	18.4	19.2	17.5	17.8	18.3	19.0	17.1	17.3	17.8	18.6	16.3	16.6	17.1	17.9	15.4	15.7	16.2	16.9	14.6	14.8	15.3	16.1
	S/T	1.00	1.00	0.92	0.77	1.00	1.00	0.93	0.77	1.00	1.00	0.96	0.80	1.00	1.00	0.82	1.00	1.00	1.00	0.85	1.00	1.00	1.00	1.00	0.87
	ΔT	28.94	27.14	23.78	20.30	28.89	27.09	23.73	20.25	29.15	27.35	23.99	20.50	28.88	27.08	23.71	20.23	28.64	26.84	23.47	19.99	27.76	27.96	21.12	19.59
	KW	0.93	0.93	0.93	0.94	1.05	1.05	1.05	1.05	1.17	1.17	1.17	1.18	1.31	1.31	1.32	1.32	1.46	1.46	1.46	1.47	1.64	1.64	1.64	1.65
	Amps	3.56	3.55	3.55	3.58	4.05	4.04	4.04	4.08	4.60	4.60	4.59	4.63	5.20	5.19	5.19	5.22	5.86	5.86	5.85	5.89	6.64	6.64	6.63	6.67
	Hi PR	248	249	251	255	286	287	289	293	326	327	329	333	369	370	372	376	416	417	418	423	465	466	468	472
	Lo PR	138	139	143	148	146	147	151	156	153	154	158	163	159	160	164	166	169	175	172	177	182			

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
Shaded area reflects AHRI conditions

dB = Total system power
Amps = outdoor unit amps (comp.+fan)

EXPANDED COOLING DATA — GPGM524*41 STAGE 2**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										115°F					
		65°F					75°F					ENTERING INDOOR WET BULB TEMPERATURE			95°F		
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
700	MBh	23.4	23.7	24.4	-	23.2	23.5	24.2	-	22.6	22.9	23.6	-	21.5	21.9	22.6	-
	S/T	0.65	0.57	0.42	-	0.65	0.57	0.43	-	0.68	0.60	0.45	-	1.00	0.62	0.47	-
	ΔT	20.17	18.31	14.83	-	20.12	18.26	14.77	-	20.39	18.52	15.04	-	20.10	18.24	14.76	-
	kW	1.47	1.46	1.46	-	1.65	1.64	1.64	-	1.85	1.85	1.84	-	2.07	2.06	2.06	-
	Amps	5.57	5.56	5.55	-	6.35	6.35	6.33	-	7.23	7.22	7.21	-	8.17	8.16	8.16	-
	Hi PR	253	254	256	-	293	294	296	-	335	336	338	-	380	381	383	-
70	Lo PR	128	129	132	-	135	137	140	-	142	144	147	-	148	149	153	-
	MBh	23.7	24.0	24.7	-	23.5	23.8	24.5	-	22.9	23.2	23.9	-	21.8	22.2	22.9	-
	S/T	0.71	0.63	0.48	-	0.72	0.64	0.49	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-
	ΔT	19.05	17.18	13.70	-	19.00	17.13	13.65	-	19.26	17.39	13.91	-	18.98	17.11	13.63	-
	kW	1.47	1.47	1.47	-	1.56	1.65	1.65	-	1.86	1.86	1.85	-	2.07	2.07	2.07	-
	Amps	5.61	5.60	5.59	-	6.39	6.39	6.37	-	7.27	7.26	7.25	-	8.22	8.21	8.20	-
70	Hi PR	255	256	258	-	295	296	298	-	337	338	340	-	382	383	385	-
	Lo PR	129	131	134	-	137	139	142	-	144	146	149	-	150	151	155	-
	MBh	24.1	24.4	25.1	-	23.9	24.2	24.9	-	23.3	23.6	24.3	-	22.2	22.5	23.2	-
	S/T	0.75	0.67	0.52	-	0.75	0.67	0.53	-	1.00	0.70	0.55	-	1.00	0.72	0.57	-
	ΔT	18.10	16.23	12.75	-	18.05	16.18	12.70	-	18.31	16.44	12.96	-	18.03	16.16	12.68	-
	kW	1.48	1.48	1.48	-	1.66	1.66	1.66	-	1.86	1.86	1.86	-	2.08	2.08	2.08	-
900	Amps	5.64	5.64	5.62	-	6.43	6.42	6.41	-	7.30	7.30	7.28	-	8.25	8.24	8.23	-
	Hi PR	257	259	260	-	297	298	300	-	339	340	342	-	384	385	387	-
	Lo PR	132	133	136	-	139	141	144	-	146	148	151	-	152	153	157	-
	MBh	23.4	23.7	24.4	25.5	23.2	23.5	24.2	25.3	22.6	22.9	23.6	24.7	21.5	21.9	22.6	23.6
	S/T	0.78	0.70	0.56	0.41	1.00	0.71	0.56	0.41	1.00	0.74	0.59	0.44	1.00	0.76	0.61	0.46
	ΔT	24.28	22.41	18.93	15.32	24.23	22.36	18.88	15.27	24.49	22.62	19.14	15.53	24.21	22.34	18.86	15.25
70	kW	1.46	1.46	1.46	1.47	1.64	1.64	1.64	1.65	1.85	1.84	1.84	1.86	2.06	2.06	2.06	2.07
	Amps	5.56	5.56	5.54	5.60	6.35	6.34	6.33	6.39	7.22	7.22	7.20	7.26	8.17	8.16	8.15	8.21
	Hi PR	253	255	256	261	293	294	296	301	335	336	338	343	380	381	383	388
	Lo PR	128	129	132	138	135	137	140	146	142	144	147	152	148	150	153	158
	MBh	23.7	24.1	24.8	25.8	23.5	23.8	24.5	25.6	22.9	23.2	23.9	25.0	21.8	22.2	22.9	23.9
	S/T	0.85	0.77	0.62	0.47	1.00	0.77	0.63	0.48	1.00	0.80	0.66	0.50	1.00	0.82	0.68	0.52
70	ΔT	23.15	21.28	17.80	14.19	21.30	21.23	17.75	14.14	23.36	21.50	18.01	14.40	23.08	21.21	17.73	14.12
	kW	1.47	1.47	1.47	1.48	1.65	1.65	1.65	1.66	1.86	1.85	1.85	1.86	2.07	2.07	2.07	2.08
	Amps	5.60	5.60	5.58	5.64	6.39	6.38	6.37	6.43	7.26	7.26	7.24	7.30	8.21	8.20	8.19	8.25
	Hi PR	256	257	258	263	297	298	303	337	338	340	345	382	384	385	390	431
	Lo PR	130	131	134	140	137	139	142	148	144	146	149	154	150	151	155	157
	MBh	24.1	24.4	25.1	26.2	23.9	24.2	24.9	26.0	23.3	23.6	24.3	25.4	22.2	22.5	23.2	23.9
75	S/T	0.88	0.80	0.66	0.51	1.00	0.81	0.67	0.51	1.00	0.84	0.69	0.54	1.00	0.86	0.71	0.56
	ΔT	22.20	20.33	16.85	13.24	22.15	20.28	16.80	13.19	22.41	20.55	17.06	13.45	22.13	20.26	16.78	13.17
	kW	1.48	1.48	1.48	1.49	1.66	1.66	1.66	1.67	1.86	1.86	1.86	1.87	2.08	2.08	2.08	2.09
	Amps	5.64	5.64	5.62	5.68	6.42	6.42	6.40	6.46	7.30	7.29	7.28	7.34	8.24	8.22	8.22	8.28
	Hi PR	258	259	261	265	298	299	300	305	339	341	342	347	385	386	387	392
	Lo PR	132	133	136	142	139	141	144	150	146	148	151	156	152	153	157	162

DB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

		OUTDOOR AMBIENT TEMPERATURE															
		65°F				75°F				85°F				95°F			
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
700	MBh	23.5	23.9	24.6	25.6	23.3	23.7	24.4	25.4	22.7	23.0	23.7	24.8	21.7	22.0	22.7	23.8
	S/T	1.00	0.84	0.69	0.54	1.00	0.84	0.70	0.55	1.00	0.87	0.73	0.57	1.00	1.00	0.75	0.59
	ΔT	28.41	26.54	23.06	19.45	28.36	26.49	23.01	19.40	28.62	26.75	23.27	19.66	28.34	26.47	22.74	19.38
	KW	1.47	1.46	1.46	1.47	1.65	1.64	1.64	1.66	1.85	1.85	1.84	1.86	2.06	2.07	2.31	2.31
	Amps	5.57	5.56	5.55	5.61	6.35	6.35	6.33	6.39	7.23	7.22	7.21	7.27	8.17	8.17	8.21	9.23
	H/PR	254	255	257	261	295	297	301	301	336	337	339	343	381	384	429	437
80	Lo PR	128	130	133	138	136	138	141	146	143	144	148	153	149	150	153	159
	MBh	23.8	24.2	24.9	25.9	23.6	24.0	24.7	25.7	23.0	23.4	24.1	25.1	22.0	22.3	23.0	24.1
	S/T	1.00	0.90	0.76	0.60	1.00	0.91	0.76	0.61	1.00	1.00	0.79	0.64	1.00	1.00	0.83	0.66
	ΔT	27.28	25.41	21.93	18.32	27.23	25.36	21.88	18.27	27.49	25.63	22.14	18.53	27.21	25.34	21.86	18.25
	KW	1.47	1.47	1.47	1.48	1.66	1.65	1.65	1.66	1.86	1.86	1.85	1.87	2.07	2.08	2.32	2.31
	Amps	5.61	5.60	5.59	5.65	6.39	6.39	6.37	6.43	7.27	7.26	7.25	7.31	8.21	8.19	8.25	9.27
80	H/PR	256	257	259	263	296	297	299	303	338	339	341	345	383	384	386	390
	Lo PR	130	132	135	140	138	139	143	148	145	146	149	155	150	152	155	161
	MBh	24.2	24.5	25.2	26.3	24.0	24.3	25.0	26.1	23.4	23.7	24.4	25.5	22.3	22.7	23.4	24.4
	S/T	1.00	0.94	0.79	0.64	1.00	0.94	0.80	0.65	1.00	1.00	0.83	0.67	1.00	1.00	0.85	0.69
	ΔT	26.33	24.47	20.98	17.37	26.28	24.41	20.93	17.32	26.54	24.68	21.19	17.58	26.26	24.39	20.91	17.30
	KW	1.48	1.48	1.48	1.49	1.66	1.66	1.66	1.67	1.86	1.86	1.86	1.87	2.08	2.08	2.33	2.31
900	Amps	5.64	5.64	5.62	5.68	6.43	6.42	6.41	6.47	7.30	7.30	7.28	7.34	8.25	8.23	8.29	9.31
	H/PR	258	259	261	265	298	299	301	305	340	341	343	347	385	386	388	392
	Lo PR	132	134	137	142	140	141	145	150	147	148	152	157	152	154	157	163
	MBh	23.9	24.3	25.0	26.0	23.7	24.1	24.7	25.8	23.1	23.4	24.1	25.2	22.1	22.4	23.1	24.2
	S/T	1.00	0.94	0.80	0.65	1.00	0.81	0.65	0.55	1.00	1.00	0.83	0.68	1.00	1.00	0.85	0.70
	ΔT	32.07	30.20	26.72	23.11	32.02	30.15	26.67	23.06	32.28	30.42	26.93	23.32	32.00	30.13	26.65	23.04
900	KW	1.47	1.47	1.46	1.48	1.65	1.65	1.64	1.66	1.85	1.85	1.85	1.86	2.07	2.06	2.31	2.31
	Amps	5.58	5.58	5.56	5.62	6.37	6.36	6.35	6.41	7.24	7.24	7.22	7.28	8.19	8.18	8.23	9.25
	H/PR	255	256	258	262	295	296	298	302	337	338	340	344	382	383	385	389
	Lo PR	130	132	135	140	138	139	143	148	145	146	149	155	150	152	155	161
	MBh	24.2	24.6	25.3	26.3	24.0	24.4	25.1	26.1	23.4	23.7	24.4	25.5	22.4	22.7	23.4	24.5
	S/T	1.00	0.96	0.86	0.71	1.00	0.90	0.87	0.72	1.00	1.00	0.90	0.75	1.00	1.00	0.92	0.77
700	ΔT	32.07	30.20	26.72	23.11	32.02	30.15	26.67	23.06	32.28	30.42	26.93	23.32	32.00	30.13	26.65	23.04
	KW	1.47	1.47	1.46	1.48	1.65	1.65	1.64	1.66	1.85	1.85	1.85	1.86	2.07	2.06	2.31	2.31
	Amps	5.62	5.62	5.60	5.66	6.41	6.40	6.39	6.45	7.28	7.28	7.26	7.32	8.22	8.21	8.27	9.29
	H/PR	257	258	260	265	297	298	300	304	339	340	342	346	384	385	387	391
	Lo PR	132	134	137	142	140	141	145	150	147	148	151	157	152	154	157	163
	MBh	24.6	24.9	25.6	26.7	24.4	24.7	25.4	26.5	23.8	24.1	24.8	25.9	22.7	23.1	23.8	24.8
85	S/T	1.00	1.00	0.90	0.75	1.00	1.00	0.91	0.75	1.00	1.00	0.93	0.78	1.00	1.00	0.80	0.73
	ΔT	30.94	29.08	25.59	21.98	30.89	29.03	25.54	21.93	31.15	29.29	25.80	22.20	30.87	29.01	25.52	21.91
	KW	1.48	1.48	1.47	1.49	1.66	1.66	1.65	1.67	1.86	1.86	1.86	1.87	2.08	2.08	2.32	2.32
	Amps	5.66	5.66	5.64	5.70	6.44	6.43	6.42	6.48	7.32	7.31	7.30	7.36	8.26	8.24	8.30	9.32
	H/PR	259	260	262	267	299	300	302	307	341	342	344	348	386	387	394	435
	Lo PR	134	136	139	144	142	143	147	152	149	150	153	159	154	156	165	170

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

KW = Total system power
Amps = outdoor unit amps (comp.+fan)

EXPANDED COOLING DATA — GPGM530*41 STAGE 1**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										115°F					
		65°F					75°F					ENTERING INDOOR WET BULB TEMPERATURE			95°F		
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
560	MBh	21.1	21.4	22.1	-	21.0	21.3	21.9	-	20.4	20.7	21.3	-	19.5	19.8	20.4	-
	S/T	0.61	0.53	0.39	-	0.62	0.54	0.40	-	0.64	0.56	0.42	-	0.66	0.58	0.44	-
	ΔT	20.06	18.23	14.83	-	20.01	18.18	14.78	-	20.26	18.44	15.03	-	19.99	18.16	14.76	-
	KW	1.16	1.16	1.16	-	1.30	1.30	1.30	-	1.46	1.46	1.46	-	1.64	1.63	1.63	-
	Amps	4.37	4.37	4.36	-	5.00	4.99	4.98	-	5.69	5.69	5.67	-	6.44	6.44	6.43	-
	Hi PR	250	252	253	-	290	291	293	-	332	333	334	-	376	377	379	-
665	Lo PR	123	124	128	-	130	132	135	-	137	138	142	-	142	144	147	-
	MBh	21.5	21.8	22.4	-	21.3	21.6	22.2	-	20.7	21.0	21.7	-	19.8	20.1	20.7	-
	S/T	0.69	0.61	0.47	-	0.70	0.62	0.48	-	0.73	0.65	0.51	-	1.00	0.67	0.53	-
	ΔT	18.62	16.80	13.39	-	18.57	16.75	13.34	-	18.83	17.01	13.60	-	18.55	16.73	13.32	-
	KW	1.17	1.17	1.17	-	1.31	1.31	1.31	-	1.47	1.47	1.47	-	1.65	1.64	1.64	-
	Amps	4.42	4.41	4.40	-	5.04	5.03	5.02	-	5.73	5.73	5.72	-	6.48	6.48	6.47	-
70	Hi PR	253	254	256	-	293	294	296	-	334	335	337	-	379	380	382	-
	Lo PR	125	127	130	-	133	134	137	-	139	141	144	-	145	146	149	-
	MBh	22.3	22.6	23.2	-	22.1	22.4	23.0	-	21.5	21.8	22.5	-	20.6	20.9	21.5	-
	S/T	0.74	0.66	0.52	-	0.75	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-
	ΔT	16.79	14.97	11.56	-	16.74	14.92	11.51	-	17.00	15.17	11.77	-	16.72	14.90	11.49	-
	KW	1.18	1.18	1.18	-	1.33	1.32	1.32	-	1.48	1.48	1.48	-	1.66	1.66	1.65	-
840	Amps	4.47	4.46	4.45	-	5.09	5.09	5.08	-	5.79	5.78	5.77	-	6.54	6.53	6.52	-
	Hi PR	258	259	260	-	297	298	300	-	339	340	342	-	383	384	386	-
	Lo PR	130	131	134	-	137	139	142	-	144	145	148	-	149	151	154	-
	MBh	21.2	21.5	22.1	23.1	21.0	21.3	21.9	22.9	20.4	20.7	21.3	22.3	19.5	19.8	20.4	21.4
	S/T	0.74	0.66	0.52	0.37	0.75	0.67	0.53	0.38	1.00	0.70	0.56	0.41	1.00	0.72	0.58	0.43
	ΔT	24.07	22.24	18.84	15.31	24.02	22.19	18.79	15.26	24.27	22.45	19.04	15.52	24.00	22.17	18.77	15.24
560	KW	1.16	1.16	1.16	1.17	1.30	1.30	1.31	1.31	1.46	1.46	1.47	1.47	1.63	1.63	1.63	1.64
	Amps	4.37	4.36	4.35	4.40	4.99	4.98	5.02	5.00	5.69	5.68	5.67	5.72	6.44	6.43	6.42	6.47
	Hi PR	251	252	253	258	290	291	293	297	332	333	335	339	376	378	379	384
	Lo PR	123	124	128	133	130	132	135	140	137	138	142	147	143	144	147	152
	MBh	21.5	21.8	22.4	23.4	21.3	21.6	22.2	23.2	20.8	21.1	21.7	22.7	19.8	20.1	20.7	21.4
	S/T	0.83	0.75	0.61	0.46	0.83	0.76	0.61	0.47	1.00	0.78	0.64	0.49	1.00	0.80	0.66	0.51
665	ΔT	22.63	20.81	17.40	13.87	22.58	20.76	17.35	13.83	22.84	21.02	17.61	14.08	22.57	20.74	17.34	13.81
	KW	1.17	1.17	1.17	1.18	1.18	1.31	1.31	1.31	1.47	1.47	1.47	1.48	1.64	1.64	1.64	1.65
	Amps	4.41	4.41	4.40	4.44	5.03	5.03	5.02	5.07	5.73	5.72	5.71	5.76	6.48	6.47	6.46	6.51
	Hi PR	253	254	256	261	293	294	296	300	334	336	337	342	379	380	382	386
	Lo PR	125	127	130	135	133	134	137	143	139	141	144	149	145	146	149	155
	MBh	22.3	22.6	23.2	24.2	22.1	22.4	23.0	24.0	21.5	21.8	22.5	23.4	20.6	20.9	21.5	22.5
75	S/T	0.88	0.80	0.65	0.51	1.00	0.80	0.66	0.51	1.00	0.83	0.69	0.54	1.00	0.85	0.71	0.56
	ΔT	20.80	18.98	15.57	12.04	20.75	18.93	15.52	11.99	21.01	19.18	15.78	12.25	20.73	18.91	15.50	11.97
	KW	1.18	1.18	1.18	1.19	1.32	1.32	1.33	1.33	1.48	1.48	1.49	1.49	1.66	1.66	1.66	1.67
	Amps	4.46	4.46	4.45	4.50	5.09	5.08	5.07	5.12	5.78	5.78	5.77	5.81	6.53	6.52	6.56	6.57
	Hi PR	258	259	261	265	297	298	300	305	339	340	342	346	384	385	386	391
	Lo PR	130	131	134	140	137	139	142	147	144	145	148	154	149	151	154	155
840	MBh	22.3	22.6	23.2	24.2	22.1	22.4	23.0	24.0	21.5	21.8	22.5	23.4	20.6	20.9	21.5	22.5
	S/T	0.88	0.80	0.65	0.51	1.00	0.80	0.66	0.51	1.00	0.83	0.69	0.54	1.00	0.85	0.71	0.56
	ΔT	20.80	18.98	15.57	12.04	20.75	18.93	15.52	11.99	21.01	19.18	15.78	12.25	20.73	18.91	15.50	11.97
	KW	1.18	1.18	1.18	1.19	1.32	1.32	1.33	1.33	1.48	1.48	1.49	1.49	1.66	1.66	1.66	1.67
	Amps	4.46	4.46	4.45	4.50	5.09	5.08	5.07	5.12	5.78	5.78	5.77	5.81	6.53	6.52	6.56	6.57
	Hi PR	258	259	261	265	297	298	300	305	339	340	342	346	384	385	386	391
	Lo PR	130	131	134	140	137	139	142	147	144	145	148	154	149	151	154	155

IB = Entering indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

IBa = Entering indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions

	IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE														
			65°F			75°F			85°F		95°F		105°F		115°F		
	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
560	MBh	21.3	21.6	22.2	23.2	21.1	21.4	22.0	23.0	20.5	20.8	21.5	22.4	19.6	19.9	20.5	21.5
	S/T	1.00	0.80	0.65	0.51	1.00	0.80	0.66	0.51	1.00	0.83	0.69	0.54	1.00	0.85	0.71	0.56
	ΔT	28.11	26.28	22.88	19.35	28.06	26.23	22.83	19.30	28.31	26.49	23.08	19.55	28.04	26.21	22.81	19.28
	KW	1.16	1.16	1.16	1.17	1.30	1.30	1.30	1.31	1.46	1.46	1.47	1.64	1.63	1.63	1.64	1.77
	Amps	4.37	4.37	4.36	4.40	4.99	4.99	4.98	5.03	5.69	5.68	5.67	6.44	6.43	6.43	6.47	7.28
	Hi PR	251	252	254	258	291	292	294	298	332	333	339	377	378	384	425	426
80	Lo PR	123	125	128	133	131	132	136	141	137	139	142	147	143	145	148	153
	MBh	21.6	21.9	22.5	23.5	21.4	21.7	22.4	23.3	20.9	21.2	21.8	22.8	19.9	20.2	20.9	21.8
	S/T	1.00	0.88	0.74	0.59	1.00	0.89	0.74	0.60	1.00	0.91	0.77	0.62	1.00	0.79	0.64	0.64
	ΔT	26.67	24.85	21.44	17.91	26.62	24.80	21.39	17.86	26.88	25.05	21.65	18.12	26.60	24.78	21.37	17.84
	KW	1.17	1.17	1.17	1.18	1.31	1.31	1.31	1.32	1.47	1.47	1.48	1.65	1.64	1.64	1.65	1.84
	Amps	4.41	4.41	4.40	4.45	5.04	5.03	5.02	5.07	5.73	5.73	5.72	6.48	6.47	6.47	6.51	7.32
80	Hi PR	254	255	257	261	293	295	296	301	335	336	338	342	380	381	387	428
	Lo PR	126	127	130	136	133	135	138	143	140	141	144	150	145	150	155	155
	MBh	22.4	22.7	23.3	24.3	22.2	22.5	23.1	24.1	21.7	22.0	22.6	23.6	20.7	21.0	21.6	22.6
	S/T	1.00	0.93	0.79	0.64	1.00	0.93	0.79	0.64	1.00	1.00	0.82	0.67	1.00	1.00	0.84	0.69
	ΔT	24.84	23.01	19.61	16.08	24.79	22.97	19.56	16.03	25.05	23.22	19.82	16.29	24.77	22.95	19.54	16.01
	KW	1.18	1.18	1.18	1.19	1.32	1.32	1.32	1.33	1.48	1.48	1.49	1.66	1.66	1.66	1.66	1.85
80	Amps	4.47	4.46	4.45	4.50	5.09	5.09	5.07	5.12	5.78	5.78	5.77	6.54	6.53	6.52	6.57	7.38
	Hi PR	258	259	261	265	298	299	301	305	339	340	342	347	384	385	387	432
	Lo PR	130	132	135	140	138	139	142	148	144	146	149	154	150	151	155	160
	MBh	21.6	21.9	22.6	23.5	21.4	21.7	22.4	23.3	20.9	21.2	21.8	22.8	19.9	20.2	20.9	21.8
	S/T	1.00	0.90	0.76	0.61	1.00	0.91	0.77	0.62	1.00	1.00	0.79	0.64	1.00	1.00	0.84	0.69
	ΔT	31.69	29.86	26.46	22.93	31.64	29.81	26.41	22.88	31.89	30.07	26.66	23.13	31.62	29.79	26.39	22.86
840	KW	1.16	1.16	1.16	1.17	1.31	1.30	1.30	1.31	1.47	1.46	1.47	1.64	1.64	1.63	1.65	1.83
	Amps	4.38	4.38	4.37	4.42	5.01	5.00	4.99	5.04	5.70	5.70	5.69	6.45	6.45	6.44	6.48	7.29
	Hi PR	252	253	255	260	292	293	295	299	333	334	336	341	378	379	381	426
	Lo PR	125	127	130	135	133	134	137	143	139	141	144	149	145	146	150	155
	MBh	22.0	22.3	22.9	23.9	21.8	22.1	22.7	23.7	21.2	21.5	22.2	23.1	20.3	20.6	21.2	22.2
	S/T	1.00	0.98	0.84	0.69	1.00	1.00	0.85	0.70	1.00	1.00	0.88	0.73	1.00	1.00	0.91	0.75
840	ΔT	30.25	28.43	25.02	21.49	30.20	28.38	24.97	21.44	30.46	28.64	25.23	21.70	30.19	28.36	24.95	21.43
	KW	1.17	1.17	1.17	1.18	1.32	1.31	1.31	1.32	1.48	1.47	1.47	1.65	1.65	1.64	1.66	1.84
	Amps	4.43	4.42	4.41	4.46	5.05	5.04	5.03	5.08	5.74	5.74	5.73	6.49	6.49	6.48	6.53	7.33
	Hi PR	255	256	258	262	295	296	297	302	336	337	339	343	381	382	384	429
	Lo PR	128	129	132	137	135	137	140	145	142	143	146	152	147	149	157	157
	MBh	22.8	23.1	23.7	24.7	22.6	22.9	23.5	24.5	22.0	22.3	22.9	23.9	21.1	21.4	22.0	23.0
85	S/T	1.00	1.00	0.89	0.74	1.00	1.00	0.90	0.75	1.00	1.00	0.92	0.77	1.00	1.00	0.94	0.79
	ΔT	28.42	26.60	23.19	19.66	28.37	26.55	23.14	19.61	28.63	26.80	23.40	19.87	28.35	26.53	23.12	19.59
	KW	1.18	1.18	1.18	1.19	1.33	1.33	1.32	1.33	1.49	1.49	1.48	1.66	1.66	1.66	1.67	1.85
	Amps	4.48	4.48	4.46	4.51	5.10	5.10	5.09	5.13	5.80	5.79	5.78	6.53	6.54	6.53	6.58	7.39
	Hi PR	259	261	262	267	299	300	302	306	341	342	343	348	386	388	392	433
	Lo PR	132	134	137	142	140	141	144	150	146	148	151	156	152	153	162	167

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects AHR (TVA) conditions

kW = Total system power
 Amps = outdoor unit amps (comp+fan)

EXPANDED COOLING DATA — GPGM530*41 STAGE 2**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										115°F					
		65°F					75°F					85°F			95°F		
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
800	MBh	29.4	29.8	30.7	-	29.1	29.6	30.4	-	28.4	28.8	29.7	-	27.1	27.5	28.4	26.7
	S/T	0.59	0.52	0.38	-	0.60	0.52	0.38	-	0.63	0.55	0.41	-	0.64	0.57	0.43	0.45
	ΔT	20.78	18.89	15.36	-	20.73	18.84	15.31	-	21.00	19.11	15.58	-	20.71	18.82	15.29	20.46
	KW	1.84	1.84	1.84	-	2.07	2.07	2.07	-	2.33	2.32	2.32	-	2.60	2.60	2.59	2.91
	Amps	6.95	6.95	6.93	-	7.94	7.93	7.92	-	9.05	9.04	9.02	-	10.24	10.23	10.22	2.90
	Hi PR	262	263	265	-	303	305	306	-	347	348	350	-	394	395	397	4.44
800	Lo PR	119	121	124	-	127	128	131	-	133	135	138	-	139	140	143	1.44
	MBh	29.9	30.3	31.2	-	29.6	30.0	30.9	-	28.9	29.3	30.2	-	27.5	27.9	28.8	2.44
	S/T	0.68	0.60	0.46	-	0.68	0.60	0.47	-	0.71	0.63	0.49	-	0.73	0.65	0.51	1.00
	ΔT	19.30	17.41	13.88	-	19.25	17.36	13.83	-	19.51	17.62	14.09	-	19.23	17.34	13.81	18.98
	KW	1.86	1.86	1.85	-	2.09	2.09	2.08	-	2.34	2.34	2.34	-	2.62	2.61	2.61	2.92
	Amps	7.02	7.01	7.00	-	8.01	8.00	7.98	-	9.11	9.11	9.09	-	10.31	10.30	10.28	11.64
950	MBh	265	266	268	-	306	307	309	-	350	351	353	-	396	398	399	4.47
	Lo PR	122	123	126	-	129	130	134	-	135	137	140	-	141	142	145	1.44
	MBh	31.0	31.4	32.3	-	30.7	31.1	32.0	-	29.9	30.4	31.2	-	28.6	29.0	29.9	2.70
	S/T	0.72	0.64	0.51	-	0.73	0.65	0.51	-	0.75	0.68	0.54	-	1.00	0.70	0.56	0.72
	ΔT	17.40	15.51	11.98	-	17.35	15.46	11.93	-	17.61	15.72	12.19	-	17.33	15.44	11.91	17.08
	KW	1.88	1.88	1.87	-	2.11	2.10	2.10	-	2.36	2.36	2.35	-	2.64	2.63	2.63	2.94
950	Amps	7.10	7.10	7.08	-	8.09	8.09	8.07	-	9.20	9.19	9.17	-	10.39	10.38	10.37	11.73
	Hi PR	269	271	272	-	311	312	314	-	354	355	357	-	401	402	404	453
	Lo PR	126	128	131	-	133	135	138	-	140	141	144	-	145	147	150	151
	MBh	29.4	29.8	30.7	32.1	29.2	29.6	30.5	31.8	28.4	28.8	29.7	31.0	27.1	27.5	28.4	25.9
	S/T	0.72	0.65	0.51	0.36	0.73	0.65	0.52	0.37	1.00	0.68	0.54	0.40	1.00	0.70	0.56	0.42
	ΔT	24.94	23.05	19.52	15.86	24.89	23.00	19.47	15.81	25.15	23.26	19.73	16.08	24.87	22.98	19.45	24.62
1200	MBh	1.84	1.84	1.84	1.85	2.07	2.07	2.06	2.08	2.32	2.32	2.32	2.34	2.60	2.59	2.61	2.91
	S/T	6.95	6.94	6.92	7.00	7.94	7.93	7.91	7.99	9.04	9.03	9.02	9.09	10.23	10.23	10.21	10.29
	ΔT	262	263	265	270	304	305	307	311	347	348	350	355	394	395	397	401
	KW	7.10	7.10	7.08	-	8.09	8.09	8.07	-	9.20	9.19	9.17	-	10.39	10.38	10.37	11.73
	Amps	7.10	7.10	7.08	-	8.09	8.09	8.07	-	9.20	9.19	9.17	-	10.39	10.38	10.37	11.70
	Hi PR	269	271	272	-	311	312	314	-	354	355	357	-	401	402	404	453
1200	Lo PR	122	123	126	131	129	131	134	139	135	137	140	145	141	142	145	150
	MBh	29.9	31.2	32.6	32.6	30.1	30.9	32.3	32.3	28.9	29.3	30.2	31.5	27.5	28.0	28.8	25.9
	S/T	0.81	0.73	0.59	0.45	0.81	0.74	0.60	0.45	1.00	0.76	0.62	0.48	1.00	0.78	0.64	0.44
	ΔT	23.45	21.56	18.03	14.38	23.40	21.51	17.98	14.33	23.67	21.78	18.25	14.59	23.38	21.49	17.96	23.13
	KW	1.86	1.86	1.85	1.87	2.09	2.09	2.08	2.10	2.34	2.34	2.33	2.35	2.61	2.61	2.61	2.63
	Amps	7.01	7.01	6.99	7.06	8.00	7.99	8.05	7.98	9.11	9.10	9.08	9.16	10.30	10.29	10.28	10.35
1200	Hi PR	265	266	268	273	306	308	309	314	350	351	353	357	397	398	400	404
	Lo PR	122	123	126	131	129	131	134	139	135	137	140	145	141	142	145	150
	MBh	31.0	31.4	32.3	33.6	30.7	31.2	32.0	33.4	30.0	30.4	31.3	32.6	28.6	29.1	29.9	27.0
	S/T	0.85	0.77	0.64	0.49	1.00	0.78	0.64	0.50	1.00	0.81	0.67	0.52	1.00	0.83	0.69	0.54
	ΔT	21.56	19.67	16.14	12.48	21.50	19.61	16.08	12.43	21.77	19.88	16.35	12.69	21.48	19.59	16.06	21.23
	KW	1.88	1.88	1.87	1.89	2.11	2.10	2.12	2.12	2.36	2.36	2.35	2.37	2.63	2.63	2.65	2.94
1200	Amps	7.10	7.10	7.09	7.07	7.15	8.09	8.08	8.14	9.19	9.18	9.17	9.24	10.39	10.38	10.36	10.44
	Hi PR	270	271	273	277	311	312	314	319	354	356	357	362	401	402	404	409
	Lo PR	126	128	131	136	133	135	138	143	140	144	150	145	147	150	155	160

IDB = Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

IDB entering indoor dry bulb temperature
High and low pressures are measured at the liquid and suction service valves.

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F			75°F			85°F			95°F			105°F											
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
800	MBh	29.6	30.0	30.9	32.2	29.3	29.7	30.6	32.0	28.5	29.0	29.8	31.2	27.2	27.6	28.5	29.9	25.6	26.0	26.9	24.1	24.5	25.4	26.8	
	S/T	0.85	0.77	0.64	0.49	1.00	0.78	0.64	0.50	1.00	0.81	0.67	0.52	1.00	0.83	0.69	0.54	1.00	1.00	0.71	0.57	1.00	0.76	0.62	
	ΔT	29.13	27.23	23.71	20.05	29.07	27.18	23.65	20.00	29.34	27.45	23.92	20.26	27.16	23.63	19.98	28.80	26.91	23.38	19.72	29.97	24.57	20.91		
	KW	1.84	1.84	1.84	1.86	2.07	2.07	2.08	2.33	2.32	2.32	2.32	2.34	2.60	2.59	2.61	2.91	2.91	2.90	2.92	3.27	3.27	3.28		
	Amps	6.95	6.94	6.93	7.00	7.94	7.93	7.92	7.95	9.05	9.04	9.02	9.10	10.24	10.22	10.29	11.57	11.57	11.55	11.63	13.14	13.13	13.19		
	H/PR	263	264	266	270	304	305	307	312	348	350	355	394	395	397	402	445	446	448	452	498	500	501	506	
80	Lo PR	120	122	125	130	127	129	132	137	134	135	138	143	139	141	144	149	144	146	149	154	151	153	161	
	MBh	30.1	30.5	31.4	32.7	29.8	30.2	31.1	32.4	29.0	29.4	30.3	31.7	27.7	28.1	29.0	30.3	26.1	26.5	27.4	28.7	24.6	25.0	25.9	
	S/T	0.93	0.86	0.72	0.57	1.00	0.86	0.73	0.58	1.00	0.89	0.75	0.61	1.00	0.91	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.70	
	ΔT	27.64	25.75	22.22	18.56	27.59	25.70	22.17	18.51	27.85	25.96	22.43	18.78	27.57	25.68	22.15	18.49	27.32	25.43	21.90	18.24	28.50	26.61	23.08	
	KW	1.86	1.86	1.85	1.87	2.09	2.09	2.08	2.10	2.34	2.34	2.34	2.35	2.62	2.61	2.61	2.63	2.92	2.92	2.93	3.28	3.28	3.29	3.29	
	Amps	7.02	7.01	6.99	7.07	8.01	8.00	7.98	8.06	9.11	9.10	9.09	9.16	10.31	10.30	10.28	10.36	11.64	11.63	11.62	11.69	13.21	13.20	13.18	
80	H/PR	266	267	268	273	307	308	310	315	350	351	353	358	397	398	400	405	447	449	450	455	501	502	504	
	Lo PR	122	124	127	132	130	131	134	139	136	137	140	146	141	143	146	151	147	148	151	156	153	155	163	
	MBh	31.2	31.6	32.4	33.8	30.9	31.3	32.2	33.5	30.1	30.5	31.4	32.8	28.8	29.2	30.1	31.4	27.2	27.6	28.5	29.8	25.7	26.1	27.0	28.3
	S/T	1.00	0.90	0.76	0.62	1.00	0.91	0.77	0.63	1.00	0.93	0.80	0.65	1.00	1.00	0.82	0.67	1.00	1.00	0.84	0.69	1.00	1.00	0.75	
	ΔT	25.74	23.85	20.32	16.66	25.69	23.80	20.27	16.61	25.95	24.06	20.53	16.88	25.67	23.78	20.25	16.59	25.42	23.53	20.00	16.34	26.60	24.71	21.18	
	KW	1.88	1.88	1.87	1.89	2.11	2.10	2.10	2.12	2.36	2.36	2.36	2.37	2.63	2.63	2.63	2.65	2.94	2.94	2.94	2.95	3.30	3.30	3.31	
1200	Amps	7.10	7.10	7.08	7.15	8.09	8.08	8.07	8.14	9.20	9.19	9.17	9.25	10.39	10.37	10.44	11.73	11.72	11.70	11.78	13.29	13.28	13.27	13.34	
	H/PR	270	271	273	278	312	313	315	319	355	356	358	363	402	403	405	409	452	453	455	460	506	507	509	513
	Lo PR	127	128	131	136	134	135	139	144	140	142	145	150	147	150	155	151	153	156	161	158	159	162	167	
	MBh	30.1	30.5	31.4	32.7	29.8	30.2	31.1	32.5	29.0	29.5	30.3	31.7	27.7	28.1	29.0	30.4	26.1	26.5	27.4	28.7	24.6	25.0	25.9	27.3
	S/T	1.00	0.88	0.74	0.59	1.00	0.88	0.75	0.60	1.00	1.00	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.81	0.67	1.00	1.00	0.72	
	ΔT	32.84	30.95	27.42	23.76	32.78	30.89	27.36	23.71	33.05	31.16	27.63	23.97	32.77	30.88	27.35	23.69	32.51	30.62	27.09	23.44	33.70	31.81	28.28	24.62
1200	KW	1.85	1.85	1.84	1.86	2.08	2.07	2.07	2.09	2.33	2.33	2.32	2.34	2.60	2.60	2.60	2.62	2.91	2.91	2.91	2.92	3.27	3.27	3.28	3.28
	Amps	6.97	6.96	6.95	7.02	7.96	7.95	7.94	8.01	9.06	9.06	9.04	9.11	10.26	10.23	10.31	11.59	11.59	11.59	11.57	11.64	13.16	13.15	13.13	
	H/PR	264	265	267	271	305	306	308	313	349	350	352	356	395	397	398	403	446	447	449	453	500	501	503	507
	Lo PR	122	123	126	131	129	131	134	139	136	137	140	145	141	142	145	151	146	148	151	156	153	154	157	163
	MBh	30.6	31.0	31.9	33.2	30.3	30.7	31.6	32.9	29.5	29.9	30.8	32.2	28.2	28.6	29.5	30.8	26.6	27.0	27.9	29.2	25.1	25.5	26.4	27.7
	S/T	1.00	0.96	0.82	0.68	1.00	0.97	0.83	0.68	1.00	1.00	0.85	0.71	1.00	1.00	0.87	0.73	1.00	1.00	0.90	0.75	1.00	1.00	0.80	
800	ΔT	31.35	29.46	25.93	22.27	31.30	29.41	25.88	22.22	31.56	29.67	26.14	22.49	31.28	29.39	25.86	22.20	31.03	29.14	25.61	21.95	32.21	30.32	26.79	23.13
	KW	1.86	1.86	1.86	1.88	2.09	2.09	2.09	2.10	2.35	2.34	2.34	2.36	2.62	2.62	2.62	2.63	2.93	2.93	2.92	2.94	3.29	3.29	3.28	3.30
	Amps	7.04	7.03	7.01	7.09	8.03	8.02	8.00	8.08	9.13	9.12	9.11	9.18	10.33	10.32	10.30	11.66	11.65	11.64	11.71	13.23	13.22	13.20	13.28	
	H/PR	267	268	270	274	308	309	311	316	352	353	355	359	398	399	401	406	449	450	452	456	502	504	505	510
	Lo PR	124	126	129	134	131	133	136	141	138	139	142	147	143	145	148	153	148	150	153	158	155	157	160	165
	MBh	31.6	32.1	32.9	34.3	31.4	31.8	32.7	34.0	30.6	31.0	31.9	33.3	29.3	29.7	30.6	31.9	27.7	28.1	29.0	30.3	26.2	26.6	27.5	28.8
85	S/T	1.00	0.87	0.72	1.00	1.00	0.87	0.73	1.00	0.90	0.90	0.75	1.00	1.00	0.92	0.77	1.00	1.00	0.94	0.80	1.00	1.00	0.85	0.85	
	ΔT	29.45	27.56	24.03	20.37	29.40	27.51	23.98	20.32	27.67	27.78	24.25	20.59	29.38	27.49	23.96	20.30	29.13	27.24	23.71	20.05	30.31	28.42	24.89	21.23
	KW	1.88	1.88	1.88	1.89	2.11	2.11	2.10	2.12	2.36	2.36	2.36	2.38	2.64	2.64	2.64	2.65	2.95	2.95	2.94	2.94	3.31	3.30	3.30	3.32
	Amps	7.12	7.12	7.10	7.17	8.11	8.11	8.10	8.16	9.22	9.21	9.19	9.27	10.41	10.40	10.39	10.46	11.74	11.74	11.72	11.80	13.31	13.30	13.29	13.36
	H/PR	271	273	274	279	313	314	316	320	356	357	359	364	403	404	406	411	453	454	456	461	507	508	510	515
	Lo PR	128	130	133	138	136	137	140	145	142	144	147	152	148	149	152	157	153	157	154	157	163	160	161	169

kW = Total system power

Amps = outdoor unit amps (comp+fan)

EXPANDED COOLING DATA — GPGM536*41 STAGE 1**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										115°F												
		65°F					75°F					85°F					95°F			105°F				
MBh	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	
	MBh	25.6	26.0	26.7	-	25.4	25.7	26.5	-	24.7	25.1	25.8	-	23.6	23.9	24.7	-	22.1	22.5	23.3	-	20.9	21.2	22.0
735	S/T	0.66	0.57	0.43	-	0.66	0.58	0.43	-	1.00	0.61	0.46	-	1.00	0.63	0.48	-	1.00	0.65	0.51	-	1.00	1.00	0.56
	ΔT	19.54	17.74	14.36	-	19.49	17.69	14.31	-	19.75	17.94	14.57	-	19.47	17.67	14.29	-	19.23	17.43	14.05	-	20.36	18.56	15.18
	KW	1.44	1.44	1.44	-	1.60	1.60	1.60	-	1.78	1.78	1.78	-	1.98	1.97	1.97	-	2.19	2.19	2.19	-	2.45	2.45	2.45
	Amps	5.07	5.06	5.05	-	5.77	5.77	5.75	-	6.55	6.55	6.54	-	7.40	7.40	7.38	-	8.35	8.34	8.33	-	9.46	9.45	9.44
	Hi PR	245	246	248	-	284	285	287	-	324	325	327	-	368	369	371	-	415	416	418	-	465	466	468
	Lo PR	130	131	134	-	137	139	142	-	144	146	149	-	150	152	155	-	156	157	161	-	163	165	168
70	MBh	25.9	26.3	27.1	-	25.7	26.1	26.8	-	25.0	25.4	26.2	-	23.9	24.3	25.0	-	22.5	22.8	23.6	-	21.2	21.6	22.3
	S/T	0.72	0.64	0.49	-	0.73	0.65	0.50	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.72	0.57	-	1.00	1.00	0.63
	ΔT	18.45	16.64	13.27	-	18.40	16.59	13.22	-	18.66	16.85	13.47	-	18.38	16.58	13.20	-	18.14	16.33	12.96	-	19.27	17.47	14.09
	KW	1.45	1.45	1.44	-	1.61	1.61	1.61	-	1.79	1.79	1.79	-	1.98	1.98	1.98	-	2.20	2.20	2.20	-	2.46	2.46	2.45
	Amps	5.11	5.10	5.09	-	5.81	5.80	5.79	-	6.59	6.59	6.57	-	7.44	7.43	7.42	-	8.39	8.38	8.37	-	9.50	9.49	9.48
	Hi PR	247	248	250	-	286	287	289	-	326	327	329	-	370	371	373	-	417	418	420	-	467	468	470
70 840	Lo PR	131	133	136	-	139	141	144	-	146	148	151	-	152	154	157	-	158	159	163	-	165	167	170
	MBh	26.3	26.7	27.5	-	26.1	26.5	27.2	-	25.4	25.8	26.6	-	24.3	24.7	25.4	-	22.9	23.3	24.0	-	21.6	22.0	22.7
	S/T	0.76	0.67	0.53	-	0.76	0.68	0.53	-	1.00	0.71	0.56	-	1.00	0.73	0.58	-	1.00	0.75	0.61	-	1.00	1.00	0.66
	ΔT	17.53	15.72	12.35	-	17.48	15.67	12.30	-	17.74	15.93	12.55	-	17.46	15.66	12.28	-	17.22	15.41	12.04	-	18.35	16.55	13.17
	KW	1.46	1.45	1.45	-	1.62	1.62	1.61	-	1.80	1.80	1.79	-	1.99	1.99	1.99	-	2.21	2.21	2.21	-	2.46	2.46	2.46
	Amps	5.14	5.13	5.12	-	5.84	5.83	5.82	-	6.62	6.62	6.60	-	7.47	7.46	7.45	-	8.42	8.41	8.40	-	9.53	9.52	9.51
945	Hi PR	249	250	252	-	288	289	291	-	328	329	331	-	372	373	375	-	419	420	422	-	469	470	472
	Lo PR	134	135	138	-	141	143	146	-	148	150	153	-	154	156	159	-	160	162	165	-	167	169	172
735	MBh	25.6	26.0	26.7	27.9	25.4	25.7	26.5	27.7	24.7	25.1	25.8	27.0	23.6	23.9	24.7	25.9	22.2	22.5	23.3	24.5	20.9	21.2	22.0
	S/T	0.80	0.71	0.57	0.41	1.00	0.72	0.57	0.42	1.00	0.75	0.60	0.45	1.00	0.77	0.62	0.47	1.00	0.65	0.49	1.00	1.00	0.70	0.55
	ΔT	23.52	21.71	18.33	14.84	23.47	21.66	18.29	14.79	23.72	21.91	18.54	15.04	23.45	21.64	18.27	14.77	23.21	21.40	18.03	14.53	24.34	22.53	19.16
	KW	1.44	1.44	1.43	1.45	1.60	1.60	1.61	1.61	1.78	1.78	1.78	1.79	1.97	1.97	1.97	1.97	2.19	2.19	2.19	2.19	2.45	2.45	2.44
	Amps	5.07	5.06	5.05	5.10	5.77	5.76	5.75	5.80	6.55	6.54	6.53	6.59	7.40	7.39	7.38	7.43	8.34	8.34	8.33	8.38	9.45	9.45	9.44
	Hi PR	245	246	248	252	284	285	287	291	325	326	327	332	368	369	371	375	415	416	418	422	465	466	468
75	Lo PR	130	131	134	140	137	139	142	148	144	146	149	155	150	152	155	161	156	158	161	166	163	165	174
	MBh	26.0	26.3	27.1	28.2	25.7	26.1	26.9	28.0	25.1	25.4	26.2	27.4	23.9	24.3	25.0	26.2	22.5	22.9	23.6	24.8	21.2	21.6	23.5
	S/T	0.86	0.78	0.63	0.48	1.00	0.78	0.64	0.48	1.00	0.81	0.67	0.51	1.00	0.83	0.69	0.53	1.00	0.71	0.56	1.00	1.00	0.77	0.61
	ΔT	22.42	20.62	17.24	13.75	22.38	20.57	17.19	13.70	22.63	20.82	17.45	13.95	22.36	20.55	17.17	13.68	22.12	20.31	16.93	13.44	23.25	21.44	18.06
	KW	1.45	1.45	1.44	1.46	1.61	1.61	1.60	1.62	1.79	1.79	1.78	1.80	1.98	1.98	1.98	1.98	2.20	2.20	2.20	2.21	2.46	2.46	2.45
	Amps	5.10	5.10	5.08	5.14	5.80	5.80	5.79	5.84	6.59	6.58	6.57	6.62	7.43	7.42	7.42	7.47	8.38	8.37	8.36	8.42	9.49	9.49	9.47
75 840	Hi PR	247	248	250	254	286	287	289	293	327	328	329	334	370	371	373	377	417	418	420	424	467	469	470
	Lo PR	131	133	136	142	139	141	144	150	146	148	151	157	152	154	157	163	158	159	163	168	165	167	175
945	MBh	26.4	26.7	27.5	28.7	26.1	26.5	27.3	28.4	25.5	25.8	26.6	27.8	24.3	24.7	25.4	26.6	22.9	23.3	24.0	25.2	21.6	22.0	23.9
	S/T	1.00	0.81	0.67	0.51	1.00	0.82	0.67	0.52	1.00	0.85	0.70	0.55	1.00	0.72	0.57	1.00	0.75	0.59	1.00	1.00	0.80	0.65	
	ΔT	21.51	19.70	16.32	12.83	21.46	19.65	16.27	12.78	21.71	19.90	16.53	13.03	21.44	19.63	16.26	12.76	21.20	19.39	16.01	12.52	22.33	20.52	17.15
	KW	1.45	1.45	1.45	1.46	1.62	1.61	1.61	1.62	1.80	1.79	1.79	1.80	1.99	1.99	1.99	1.99	2.21	2.21	2.21	2.22	2.46	2.46	2.47
	Amps	5.13	5.13	5.11	5.17	5.83	5.82	5.82	5.87	6.62	6.61	6.60	6.65	7.46	7.45	7.50	7.45	8.41	8.41	8.41	8.45	9.52	9.52	9.56
	Hi PR	249	250	252	256	288	289	291	295	329	330	331	336	372	373	375	379	419	420	422	424	469	471	477
945	Lo PR	134	135	138	144	141	143	146	152	148	150	153	159	154	156	159	160	162	165	167	170	167	169	172

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ACCA (TVA) conditions

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

	IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE											115°F						
			65°F			75°F			85°F			95°F			105°F					
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
735	MBh	25.8	26.1	26.9	28.0	25.5	25.9	26.6	27.8	24.9	25.2	26.0	27.1	23.7	24.1	24.8	26.0	22.3	23.4	
	S/T	1.00	0.85	0.70	0.55	1.00	0.86	0.71	0.55	1.00	0.74	0.58	1.00	0.76	0.60	1.00	0.78	0.63	1.00	0.68
	ΔT	27.52	25.71	22.34	18.84	27.47	25.66	22.29	18.79	27.72	25.91	22.54	19.04	27.45	25.64	22.27	18.77	27.21	25.40	22.03
	KW	1.44	1.44	1.44	1.45	1.60	1.60	1.60	1.61	1.78	1.78	1.78	1.79	1.97	1.97	1.98	1.97	2.19	2.19	2.20
	Amps	5.07	5.06	5.05	5.11	5.77	5.77	5.75	5.81	6.55	6.55	6.54	6.59	7.40	7.38	7.44	8.35	8.34	8.33	9.46
	HIPR	246	247	249	253	284	286	287	291	325	326	328	332	370	371	376	416	417	418	466
	Lo PR	130	132	135	141	138	140	143	148	145	147	150	155	151	156	161	156	158	161	164
80	MBh	26.1	26.4	27.2	28.4	25.9	26.2	27.0	28.2	25.2	25.6	26.3	27.5	24.0	24.4	25.2	26.3	22.6	23.0	24.9
	S/T	1.00	0.91	0.77	0.61	1.00	0.92	0.77	0.62	1.00	0.90	0.65	1.00	0.80	0.67	1.00	0.85	0.69	1.00	1.00
	ΔT	26.43	24.62	21.24	17.75	26.38	24.57	21.19	17.70	26.63	24.82	21.45	17.95	26.36	24.55	21.18	17.68	26.12	24.31	20.93
	KW	1.45	1.45	1.44	1.46	1.61	1.61	1.61	1.62	1.79	1.79	1.79	1.80	1.98	1.98	1.99	2.00	2.20	2.20	2.21
	Amps	5.11	5.10	5.09	5.14	5.81	5.80	5.79	5.84	6.59	6.58	6.57	6.63	7.43	7.42	7.47	8.38	8.37	8.42	9.49
	HIPR	248	249	251	255	287	288	289	294	327	328	330	334	371	372	373	418	419	420	425
	Lo PR	132	134	137	142	140	142	145	150	147	148	152	157	153	154	158	160	163	169	166
80	MBh	26.5	26.9	27.6	28.8	26.3	26.6	27.4	28.6	25.6	26.0	26.7	27.9	24.4	24.8	25.6	26.7	23.0	23.4	24.2
	S/T	1.00	0.95	0.80	0.65	1.00	0.96	0.81	0.66	1.00	0.90	0.84	0.68	1.00	1.00	0.86	0.70	1.00	1.00	1.00
	ΔT	25.51	23.70	20.32	16.83	25.46	23.65	20.27	16.78	25.71	23.90	20.53	17.03	25.44	23.63	20.26	16.76	25.20	23.39	20.01
	KW	1.45	1.45	1.45	1.46	1.62	1.61	1.61	1.62	1.80	1.80	1.79	1.80	1.99	1.99	1.99	2.00	2.21	2.20	2.21
	Amps	5.14	5.13	5.12	5.17	5.84	5.83	5.82	5.87	6.62	6.61	6.60	6.66	7.47	7.45	7.50	8.41	8.40	8.45	9.53
	HIPR	250	251	253	257	289	290	291	296	329	330	332	336	373	374	375	420	421	423	427
	Lo PR	134	136	139	145	142	144	147	152	149	151	154	159	155	156	160	165	161	165	171
945	MBh	26.2	26.5	27.3	28.5	26.0	26.3	27.1	28.2	25.3	25.6	26.4	27.6	24.1	24.5	25.3	26.4	22.7	23.1	23.9
	S/T	1.00	0.96	0.81	0.66	1.00	0.82	0.66	0.66	1.00	0.85	0.69	0.69	1.00	1.00	0.87	0.71	1.00	1.00	1.00
	ΔT	31.07	29.26	25.88	22.39	31.02	29.21	25.83	22.34	31.27	29.46	26.09	22.59	31.00	29.19	25.82	22.32	30.76	28.95	25.57
	KW	1.44	1.44	1.44	1.45	1.60	1.60	1.60	1.61	1.78	1.78	1.78	1.79	1.98	1.98	1.98	1.99	2.20	2.20	2.21
	Amps	5.08	5.08	5.06	5.12	5.78	5.78	5.77	5.82	6.57	6.56	6.55	6.60	7.41	7.41	7.40	7.45	8.36	8.36	8.40
	HIPR	247	248	250	254	286	287	288	293	326	327	329	333	370	371	373	417	418	420	424
	Lo PR	132	134	137	143	140	142	145	150	147	148	152	157	153	154	158	160	163	169	166
85	MBh	26.5	26.9	27.6	28.8	26.3	26.7	27.4	28.6	25.6	26.0	26.7	27.9	24.5	24.8	25.6	26.8	23.1	23.4	24.2
	S/T	1.00	1.00	0.88	0.72	1.00	0.90	0.88	0.73	1.00	0.91	0.76	1.00	1.00	0.78	1.00	1.00	0.80	1.00	1.00
	ΔT	29.97	28.17	24.79	21.30	29.92	28.12	24.74	21.25	30.18	28.37	25.00	21.50	29.91	28.10	24.72	21.23	29.66	27.86	24.48
	KW	1.45	1.45	1.45	1.46	1.61	1.61	1.61	1.62	1.79	1.79	1.79	1.80	1.99	1.99	1.99	2.00	2.21	2.20	2.21
	Amps	5.12	5.11	5.10	5.16	5.82	5.81	5.80	5.86	6.60	6.60	6.59	6.64	7.45	7.45	7.43	7.49	8.40	8.39	8.43
	HIPR	249	250	252	256	288	289	290	295	328	329	331	335	372	373	375	419	420	422	426
	Lo PR	134	136	139	144	142	143	147	152	149	150	154	159	155	156	160	165	162	165	171
945	MBh	26.9	27.3	28.0	29.2	26.7	27.1	27.8	29.0	26.0	26.4	27.2	28.3	24.9	25.2	26.0	27.2	23.5	23.8	24.6
	S/T	1.00	1.00	0.91	0.76	1.00	1.00	0.92	0.77	1.00	1.00	0.95	0.79	1.00	1.00	0.81	1.00	1.00	0.84	1.00
	ΔT	29.05	27.25	23.87	20.38	29.01	27.20	23.82	20.33	29.26	27.45	24.08	20.58	28.99	27.18	23.80	20.31	28.75	26.94	23.56
	KW	1.46	1.46	1.45	1.47	1.62	1.62	1.62	1.63	1.80	1.80	1.81	1.99	1.99	1.99	1.99	2.21	2.21	2.21	2.22
	Amps	5.15	5.14	5.13	5.19	5.85	5.85	5.83	5.89	6.63	6.63	6.67	7.48	7.48	7.46	7.52	8.43	8.42	8.41	8.46
	HIPR	251	252	254	258	290	291	292	297	330	331	333	337	375	377	381	421	422	424	428
	Lo PR	136	138	141	147	144	146	149	154	151	152	156	161	157	158	162	167	164	167	173

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects AHRI (TVA) conditions

KW = Total system power
 Amps = outdoor unit amps (comp+fan)

EXPANDED COOLING DATA — GPGM536***41 STAGE 2

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										105°F				115°F			
		65°F					75°F					ENTERING INDOOR WET BULB TEMPERATURE				95°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
1050	MBh	35.6	36.1	37.2	-	35.3	35.8	36.9	-	34.4	34.9	35.9	-	32.8	33.3	34.3	32.4	-	
	S/T	0.64	0.56	0.42	-	0.65	0.56	0.42	-	0.67	0.59	0.45	-	1.00	0.61	0.47	1.00	0.64	0.49
	ΔT	20.25	18.38	14.88	-	20.20	18.33	14.83	-	20.46	18.59	15.09	-	20.18	18.31	14.81	19.93	18.06	14.56
	KW	2.29	2.29	2.28	-	2.55	2.54	2.54	-	2.83	2.83	2.83	-	3.14	3.14	3.14	3.49	3.49	3.48
	Amps	8.06	8.05	8.03	-	9.18	9.17	9.15	-	10.42	10.41	10.39	-	11.77	11.76	11.74	13.27	13.26	13.25
	Hi PR	256	257	259	-	297	298	300	-	339	340	342	-	385	386	388	434	435	437
	Lo PR	126	128	131	-	134	135	138	-	140	142	145	-	146	148	151	152	153	156
70	MBh	36.1	36.6	37.6	-	35.8	36.3	37.3	-	34.8	35.3	36.4	-	33.2	33.7	34.8	31.8	32.8	-
	S/T	0.70	0.62	0.48	-	0.71	0.63	0.49	-	0.73	0.65	0.51	-	1.00	0.67	0.53	1.00	0.70	0.56
	ΔT	19.12	17.25	13.75	-	19.07	17.20	13.70	-	19.33	17.46	13.96	-	19.05	17.18	13.68	18.80	16.93	13.43
	KW	2.30	2.30	2.30	-	2.56	2.56	2.55	-	2.85	2.84	2.84	-	3.15	3.15	3.15	3.50	3.50	3.49
	Amps	8.12	8.11	8.09	-	9.23	9.22	9.21	-	10.48	10.47	10.45	-	11.83	11.82	11.80	13.33	13.32	13.30
	Hi PR	259	260	261	-	299	300	302	-	341	343	344	-	387	388	390	436	437	439
	Lo PR	128	129	133	-	136	137	140	-	142	144	147	-	148	149	153	153	155	158
1350	MBh	36.6	37.1	38.2	-	36.3	36.8	37.9	-	35.4	35.9	37.0	-	33.8	34.3	35.4	31.8	32.3	33.4
	S/T	0.74	0.66	0.51	-	0.74	0.66	0.52	-	1.00	0.69	0.55	-	1.00	0.71	0.57	1.00	0.73	0.59
	ΔT	18.17	16.29	12.80	-	18.12	16.24	12.75	-	18.38	16.51	13.01	-	18.10	16.22	12.73	17.85	15.97	12.48
	KW	2.31	2.31	2.31	-	2.57	2.57	2.56	-	2.86	2.85	2.85	-	3.17	3.16	3.16	3.51	3.51	3.51
	Amps	8.17	8.16	8.14	-	9.28	9.27	9.25	-	10.53	10.52	10.50	-	11.87	11.87	11.85	13.38	13.37	13.35
	Hi PR	261	262	264	-	301	302	304	-	344	345	346	-	389	390	392	438	439	441
	Lo PR	130	131	135	-	138	139	142	-	144	146	149	-	150	152	155	156	157	160
75	MBh	36.1	37.2	38.8	35.3	35.8	36.9	36.9	38.5	34.4	34.9	35.9	37.6	32.8	33.3	34.3	36.0	30.8	31.3
	S/T	0.77	0.69	0.55	0.40	1.00	0.70	0.56	1.00	0.73	0.58	0.43	1.00	0.75	0.60	0.45	1.00	0.77	0.63
	ΔT	24.37	22.50	19.00	15.38	24.32	22.45	18.95	15.33	24.58	22.71	19.21	15.59	24.30	22.43	18.93	15.31	24.05	22.18
	KW	2.29	2.29	2.28	2.30	2.54	2.54	2.54	2.54	2.83	2.83	2.82	2.84	3.14	3.14	3.13	3.15	3.49	3.48
	Amps	8.05	8.04	8.03	8.11	9.17	9.16	9.14	9.14	10.41	10.40	10.39	10.47	11.76	11.75	11.73	11.82	13.27	13.24
	Hi PR	257	258	260	264	297	298	300	304	339	341	342	347	385	386	388	392	434	437
	Lo PR	126	128	131	136	134	135	138	140	142	145	145	151	146	148	151	156	156	162
1350	MBh	36.1	37.7	39.3	35.8	36.3	37.3	37.3	39.0	34.8	35.4	36.4	38.0	33.2	33.8	34.8	36.4	31.3	32.9
	S/T	0.84	0.76	0.61	0.46	1.00	0.76	0.62	0.47	1.00	0.79	0.65	0.50	1.00	0.81	0.67	0.52	1.00	0.69
	ΔT	23.24	21.36	17.87	14.25	23.19	21.31	17.82	14.19	23.45	21.58	18.08	14.46	23.17	21.29	17.80	14.17	22.92	21.04
	KW	2.30	2.30	2.29	2.31	2.56	2.55	2.55	2.57	2.84	2.84	2.84	2.84	3.15	3.15	3.15	3.17	3.50	3.48
	Amps	8.11	8.10	8.08	8.17	9.23	9.22	9.20	9.28	10.47	10.46	10.44	10.53	11.82	11.81	11.79	11.88	13.32	13.31
	Hi PR	259	260	262	266	299	300	302	307	342	343	345	349	387	388	390	438	439	444
	Lo PR	128	129	133	138	136	137	140	146	142	144	147	152	148	150	155	158	164	161
75	MBh	36.7	37.2	38.2	39.9	36.3	36.8	37.9	39.5	35.4	35.9	37.0	38.6	33.8	34.3	35.4	37.0	31.9	32.4
	S/T	0.87	0.79	0.65	0.50	1.00	0.80	0.66	0.51	1.00	0.83	0.68	0.53	1.00	0.85	0.70	0.55	1.00	0.73
	ΔT	22.29	20.41	16.92	13.29	22.23	20.36	16.86	13.24	22.50	20.62	17.13	13.50	22.21	20.34	16.85	13.22	21.96	20.09
	KW	2.31	2.31	2.31	2.32	2.57	2.57	2.56	2.58	2.85	2.85	2.87	2.84	3.16	3.16	3.16	3.18	3.51	3.50
	Amps	8.16	8.15	8.13	8.22	9.27	9.27	9.25	9.25	10.52	10.51	10.49	10.58	11.87	11.86	11.84	11.92	13.37	13.36
	Hi PR	261	262	264	268	301	302	304	309	344	345	347	351	389	390	392	397	440	441
	Lo PR	130	132	135	140	138	139	142	148	144	146	149	154	150	152	155	160	166	163
1350	MBh	36.7	37.2	38.2	39.9	36.3	36.8	37.9	39.5	35.4	35.9	37.0	38.6	33.8	34.3	35.4	37.0	31.9	32.4
	S/T	0.87	0.79	0.65	0.50	1.00	0.80	0.66	0.51	1.00	0.83	0.68	0.53	1.00	0.85	0.70	0.55	1.00	0.73
	ΔT	22.29	20.41	16.92	13.29	22.23	20.36	16.86	13.24	22.50	20.62	17.13	13.50	22.21	20.34	16.85	13.22	21.96	20.09
	KW	2.31	2.31	2.31	2.32	2.57	2.57	2.56	2.58	2.85	2.85	2.87	2.84	3.16	3.16	3.16	3.18	3.51	3.50
	Amps	8.16	8.15	8.13	8.22	9.27	9.27	9.25	9.25	10.52	10.51	10.49	10.58	11.87	11.86	11.84	11.92	13.37	13.36
	Hi PR	261	262	264	268	301	302	304	309	344	345	347	351	389	390	392	397	440	441
	Lo PR	130	132	135	140	138	139	142	148	144	146	149	154	150	152	155	160	166	163
IDB: Entering indoor Dry Bulb Temperature																		173	
High and low pressures are measured at the liquid and suction service valves.																			
Shaded area reflects ACCA (TVA) conditions																			
kW = Total system power																			
Amps = outdoor unit amps (comp.+fan)																			

EXPANDED COOLING DATA — GPGM542*41 STAGE 1**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												115°F						
		65°F				75°F				85°F				95°F			105°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67
770	MBh	30.0	30.4	31.3	-	29.7	30.2	31.1	-	29.0	29.4	30.3	-	27.6	28.0	28.9	-	26.0	26.4	27.3
	S/T	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00
	ΔT	20.27	18.39	14.88	-	20.21	18.34	14.83	-	20.48	18.60	15.09	-	20.19	18.32	14.81	-	19.94	18.06	14.56
	KW	1.66	1.66	1.66	-	1.86	1.86	1.86	-	2.08	2.08	2.07	-	2.32	2.31	2.31	-	2.58	2.58	2.58
	Amps	5.94	5.93	5.92	-	6.79	6.78	6.77	-	7.74	7.73	7.72	-	8.77	8.76	8.75	-	9.92	9.91	9.90
	Hi PR	255	256	258	-	296	297	298	-	338	339	341	-	383	384	386	-	432	433	435
	Lo PR	128	129	133	-	136	137	141	-	142	144	147	-	148	150	153	-	154	155	159
	MBh	30.4	30.8	31.7	-	30.1	30.5	31.4	-	29.3	29.8	30.7	-	28.0	28.4	29.3	-	26.3	26.8	27.7
	S/T	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00
70	MBh	19.18	17.30	13.79	-	19.13	17.25	13.74	-	19.39	17.51	14.01	-	19.11	17.23	13.72	-	18.86	16.98	13.47
	ΔT	1.67	1.67	1.67	-	1.87	1.87	1.87	-	2.09	2.09	2.08	-	2.33	2.32	2.32	-	2.59	2.59	2.58
	KW	5.98	5.97	5.96	-	6.83	6.83	6.81	-	7.78	7.78	7.76	-	8.81	8.80	8.79	-	9.96	9.95	9.94
	Amps	257	258	260	-	298	299	301	-	340	341	343	-	385	386	388	-	434	435	437
	Hi PR	130	131	135	-	137	139	142	-	144	146	149	-	150	152	155	-	156	157	161
	Lo PR	130	131	135	-	136	137	141	-	144	146	149	-	148	150	153	-	163	164	168
	MBh	30.8	31.3	32.2	-	30.6	31.0	31.9	-	29.8	30.2	31.1	-	28.4	28.9	29.8	-	26.8	27.2	28.1
	S/T	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00
	ΔT	18.26	16.38	12.87	-	18.21	16.33	12.82	-	18.47	16.59	13.09	-	18.19	16.31	12.80	-	17.94	16.06	12.55
980	MBh	1.68	1.68	1.68	-	1.88	1.88	1.87	-	2.10	2.10	2.09	-	2.33	2.33	2.33	-	2.60	2.60	2.59
	ΔT	6.02	6.01	6.00	-	6.87	6.86	6.85	-	7.82	7.81	7.80	-	8.85	8.84	8.83	-	10.00	9.99	9.97
	KW	259	260	262	-	300	301	303	-	342	343	345	-	387	388	390	-	436	437	439
	Amps	132	133	137	-	139	141	144	-	146	148	151	-	152	154	157	-	158	159	163
	Hi PR	130	131	135	-	136	137	141	-	143	144	147	-	148	150	153	-	154	155	164
	Lo PR	130	131	135	-	136	137	141	-	146	148	151	-	152	154	157	-	158	159	163
	MBh	31.3	31.3	32.7	-	29.8	30.2	31.1	-	29.0	29.4	30.3	-	31.7	27.6	28.0	28.9	30.3	26.0	26.4
	S/T	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00
	ΔT	24.40	22.52	19.01	15.38	24.34	22.47	18.96	15.32	24.61	22.73	19.22	15.59	24.33	22.45	18.94	15.30	24.07	22.20	18.69
770	MBh	1.66	1.66	1.66	1.67	1.86	1.86	1.85	1.87	2.08	2.08	2.07	2.09	2.31	2.31	2.31	2.32	2.58	2.58	2.58
	ΔT	5.93	5.93	5.91	5.98	6.78	6.78	6.76	6.83	7.74	7.73	7.71	7.78	8.76	8.74	8.81	8.81	9.91	9.91	9.96
	KW	256	257	258	263	296	297	299	303	338	339	341	345	383	385	386	391	433	435	440
	Amps	128	130	133	138	136	137	141	143	144	146	147	153	148	150	153	154	156	159	164
	Hi PR	130	131	135	140	138	139	142	148	144	146	149	155	150	152	155	156	157	161	166
	Lo PR	130	131	135	140	138	139	142	148	144	146	149	155	150	152	155	156	157	161	166
	MBh	31.7	31.7	33.1	30.6	31.5	32.8	29.4	30.7	32.0	29.8	30.7	32.0	28.0	28.4	29.3	30.7	26.4	26.8	27.7
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	23.31	21.43	17.92	14.29	23.26	21.38	17.87	14.24	23.52	21.65	18.14	14.50	23.24	21.36	17.85	14.22	22.99	21.11	17.60
75	MBh	1.67	1.67	1.67	1.68	1.68	1.87	1.86	1.88	2.09	2.09	2.08	2.10	2.32	2.32	2.32	2.33	2.59	2.59	2.58
	ΔT	5.98	5.97	5.95	6.02	6.83	6.82	6.81	6.87	7.78	7.77	7.76	7.82	8.81	8.80	8.78	8.85	9.95	9.95	9.93
	KW	258	259	260	265	298	299	301	305	340	341	343	347	385	387	388	393	434	436	437
	Amps	130	131	135	140	138	139	142	148	144	146	149	155	150	152	155	156	157	161	166
	Hi PR	130	131	135	140	138	139	142	148	144	146	149	155	150	152	155	156	157	161	166
	Lo PR	130	131	135	140	138	139	142	148	144	146	149	155	150	152	155	156	157	161	166
	MBh	31.3	32.2	33.5	30.6	31.0	31.9	33.3	29.8	30.2	31.1	32.5	28.5	28.9	29.8	31.1	26.8	27.2	28.1	29.5
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	22.39	20.51	17.00	13.37	22.34	20.46	16.95	13.32	22.60	20.73	17.22	13.58	22.32	20.44	16.93	13.30	22.07	20.19	16.68
980	MBh	1.68	1.68	1.69	1.88	1.88	1.87	1.89	1.89	2.10	2.09	2.08	2.11	2.33	2.33	2.33	2.34	2.60	2.60	2.59
	ΔT	6.01	6.00	5.99	6.06	6.86	6.84	6.91	7.81	7.81	7.79	7.86	8.84	8.83	8.82	8.89	9.98	9.98	10.03	11.34
	KW	260	261	263	267	300	301	303	307	342	343	345	349	388	390	395	438	439	444	489
	Amps	132	133	137	142	140	141	144	150	146	148	151	157	152	154	157	158	159	163	168
	Hi PR	132	133	137	142	140	141	144	150	146	148	151	157	152	154	157	158	159	163	168
	Lo PR	132	133	137	142	140	141	144	150	146	148	151	157	152	154	157	158	159	163	168

DB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions

kW = Total system power
 Amps = outdoor unit amps (comp.+fan)

		OUTDOOR AMBIENT TEMPERATURE												115°F					
		65°F				75°F				85°F				95°F			105°F		
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
770	MBh	30.2	30.6	31.5	32.9	29.9	30.3	31.2	32.6	29.1	29.6	30.4	31.8	27.8	28.2	29.1	30.5	26.1	
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	27.3	
	ΔT	28.56	26.68	23.17	19.53	28.50	26.63	23.12	19.48	28.77	26.89	23.38	19.75	28.48	26.61	23.10	19.46	26.35	22.85
	KW	1.66	1.66	1.66	1.67	1.86	1.86	1.86	1.87	2.08	2.08	2.08	2.07	2.09	2.32	2.31	2.31	2.58	2.57
	Amps	5.94	5.93	5.92	5.98	6.79	6.78	6.77	6.83	7.74	7.73	7.72	7.78	8.75	8.81	9.92	9.91	9.96	11.24
	H/PR	256	257	259	263	297	299	304	338	341	346	384	385	387	391	434	436	440	485
80	Lo PR	128	130	133	139	136	138	141	147	143	145	148	153	149	150	154	159	154	166
	MBh	30.6	31.0	31.9	33.2	30.3	30.7	31.6	33.0	29.5	29.9	30.8	32.2	28.2	28.6	29.5	30.8	26.5	26.9
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	27.47	25.59	22.08	18.45	27.42	25.54	22.03	18.40	27.68	25.80	22.30	18.66	27.40	25.52	22.01	18.38	27.15	25.27
	KW	1.67	1.67	1.67	1.68	1.87	1.87	1.87	1.88	2.09	2.09	2.08	2.10	2.33	2.32	2.32	2.34	2.59	2.58
	Amps	5.98	5.97	5.96	5.96	6.83	6.82	6.81	6.88	7.78	7.78	7.76	7.83	8.81	8.80	8.79	8.85	9.96	9.94
80	H/PR	258	259	261	265	298	299	301	306	341	342	343	348	386	387	389	393	436	438
	Lo PR	130	132	135	141	138	140	143	148	145	146	150	155	151	152	155	161	158	161
980	MBh	31.0	31.4	32.3	33.7	30.7	31.2	32.1	33.4	30.0	30.4	31.3	32.6	28.6	29.0	29.9	31.3	27.0	27.4
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	26.55	24.67	21.16	17.53	26.50	24.62	21.11	17.48	26.76	24.88	21.38	17.74	26.48	24.60	21.09	17.46	26.23	24.35
	KW	1.68	1.68	1.68	1.69	1.88	1.88	1.87	1.88	2.10	2.10	2.09	2.11	2.33	2.33	2.33	2.34	2.60	2.60
	Amps	6.02	6.01	5.99	6.06	6.87	6.86	6.85	6.91	7.82	7.81	7.80	7.86	8.85	8.84	8.82	8.89	10.00	9.99
	H/PR	260	261	263	267	300	301	303	308	343	344	345	350	388	389	391	395	437	438
980	Lo PR	132	134	137	143	140	142	145	150	147	148	152	157	153	154	157	163	158	160
	MBh	30.7	31.1	32.0	33.4	30.4	30.8	31.7	33.1	29.6	30.1	31.0	32.3	28.3	28.7	29.6	31.0	26.6	27.1
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	32.24	30.37	26.86	23.22	32.19	30.31	26.81	23.17	32.46	30.58	27.07	23.44	32.17	30.29	26.79	23.15	31.92	30.04
	KW	1.67	1.67	1.66	1.68	1.86	1.86	1.86	1.87	2.08	2.08	2.08	2.09	2.32	2.32	2.31	2.33	2.58	2.58
	Amps	5.95	5.95	5.93	6.00	6.81	6.80	6.78	6.85	7.76	7.75	7.73	7.80	8.78	8.76	8.83	9.93	9.93	9.94
770	H/PR	257	258	260	265	297	299	300	305	340	341	343	347	385	386	388	392	434	437
	Lo PR	130	132	135	141	138	140	143	148	145	147	150	155	151	152	156	158	161	167
85	MBh	31.1	31.5	32.4	33.8	30.8	31.2	32.1	33.5	30.0	30.4	31.3	32.7	28.7	29.1	30.0	31.4	27.0	27.4
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	31.16	29.28	25.77	22.14	31.11	29.23	25.72	22.09	31.37	29.49	25.98	22.35	31.09	29.21	25.70	22.07	30.84	28.96
	KW	1.68	1.68	1.67	1.69	1.87	1.87	1.87	1.88	2.09	2.09	2.09	2.10	2.33	2.33	2.33	2.34	2.59	2.59
	Amps	6.00	5.99	5.98	6.04	6.85	6.84	6.83	6.89	7.80	7.79	7.78	7.84	8.83	8.82	8.81	8.87	9.98	9.97
	H/PR	259	260	262	267	300	301	302	307	342	343	345	349	387	388	390	395	436	437
85	Lo PR	132	134	137	142	140	142	145	150	147	148	152	157	153	154	157	163	158	168
	MBh	31.5	31.9	32.8	34.2	31.2	31.7	32.6	33.9	30.5	30.9	31.8	33.2	29.1	29.5	30.4	31.8	27.5	27.9
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	30.24	28.36	24.85	21.22	30.19	28.31	24.80	21.17	30.45	28.57	25.07	21.43	30.17	28.29	24.78	21.15	29.92	28.04
	KW	1.69	1.68	1.68	1.70	1.88	1.88	1.88	1.89	2.10	2.10	2.09	2.11	2.34	2.34	2.33	2.35	2.60	2.60
	Amps	6.03	6.03	6.01	6.08	6.88	6.88	6.86	6.93	7.83	7.83	7.81	7.88	8.86	8.84	8.91	10.01	10.00	9.99
980	H/PR	261	262	264	269	302	303	304	309	344	345	347	351	389	390	392	397	438	441
	Lo PR	134	136	139	144	142	144	147	152	149	150	154	159	155	156	159	165	162	170

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

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KW = Total system power
Amps = outdoor unit amps (comp.+fan)
Shaded area reflects AHRI (TVA) conditions

EXPANDED COOLING DATA — GPGM542***41 STAGE 2

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE											105°F					115°F						
		65°F				75°F				85°F			95°F			105°F		115°F						
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71			
1100	MBh	41.7	42.3	43.6	-	41.4	41.9	43.2	-	40.3	40.9	42.1	-	38.4	39.0	40.2	-	36.1	36.7	37.9	-			
	S/T	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-			
	ΔT	21.00	19.05	15.42	-	20.95	19.00	15.37	-	21.22	19.27	15.64	-	20.93	18.98	15.35	-	20.67	18.72	15.08	-			
	KW	2.65	2.64	2.64	-	2.96	2.96	2.95	-	3.31	3.30	3.30	-	3.68	3.68	3.67	-	4.10	4.10	4.09	-			
	Amps	9.44	9.43	9.44	-	10.80	10.78	10.76	-	12.31	12.30	12.27	-	13.94	13.93	13.91	-	15.77	15.76	15.73	-			
	Hi PR	267	268	270	-	309	310	312	-	353	354	356	-	401	402	404	-	452	453	455	-			
	Lo PR	124	126	129	-	132	134	137	-	139	140	143	-	144	146	149	-	150	151	154	-			
	MBh	42.3	42.8	44.1	-	41.9	42.5	43.7	-	40.8	41.4	42.6	-	38.9	39.5	40.8	-	36.6	37.2	38.5	-			
70	S/T	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-			
	ΔT	19.88	17.93	14.29	-	19.82	17.88	14.24	-	20.10	18.15	14.51	-	19.80	17.86	14.22	-	19.54	17.60	13.96	-			
	KW	2.66	2.66	2.65	-	2.97	2.97	2.97	-	3.32	3.32	3.31	-	3.70	3.69	3.69	-	4.12	4.11	4.11	-			
	Amps	9.51	9.50	9.48	-	10.86	10.85	10.83	-	12.37	12.36	12.34	-	14.01	14.00	13.97	-	15.84	15.82	15.80	-			
	Hi PR	269	270	272	-	311	312	314	-	355	357	359	-	403	404	406	-	454	455	457	-			
	Lo PR	126	128	131	-	134	135	138	-	140	142	145	-	146	148	151	-	151	153	156	-			
	MBh	42.9	43.5	44.7	-	42.5	43.1	44.4	-	41.4	42.0	43.3	-	39.6	40.1	41.4	-	37.3	37.9	39.1	-			
	S/T	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-	1.00	1.00	1.00	-			
1400	ΔT	18.92	16.98	13.34	-	18.87	16.92	13.29	-	19.14	17.20	13.56	-	18.85	16.90	13.27	-	18.59	16.64	13.01	-			
	KW	2.68	2.67	2.67	-	2.99	2.98	2.98	-	3.33	3.33	3.33	-	3.71	3.71	3.70	-	4.13	4.13	4.12	-			
	Amps	9.57	9.56	9.53	-	10.92	10.91	10.89	-	12.43	12.42	12.40	-	14.07	14.05	14.03	-	15.89	15.88	15.86	-			
	Hi PR	271	272	274	-	313	315	316	-	358	359	361	-	405	406	408	-	456	457	459	-			
	Lo PR	128	130	133	-	136	137	140	-	142	144	147	-	148	149	153	-	153	155	158	-			
	MBh	41.8	42.3	43.6	45.5	41.4	42.0	43.2	45.1	40.3	40.9	42.1	44.0	38.4	39.0	40.3	42.2	36.1	36.7	38.0	39.9			
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
	ΔT	25.28	23.33	19.70	15.93	25.23	23.28	19.65	15.88	25.50	23.55	19.92	16.15	23.26	19.63	15.86	24.95	23.00	19.37	15.60	26.17	24.22		
1100	KW	2.64	2.64	2.64	2.66	2.96	2.95	2.95	2.97	3.30	3.30	3.30	3.32	3.68	3.68	3.67	3.70	4.10	4.10	4.09	4.12	4.59	4.59	
	Amps	9.43	9.42	9.40	9.50	10.79	10.75	10.75	10.86	12.30	12.29	12.26	12.37	13.93	13.90	14.00	15.76	15.75	15.75	15.73	15.83	17.90	17.87	
	Hi PR	124	126	129	134	132	134	134	137	139	140	143	149	144	146	149	150	151	154	154	160	157	158	161
	Lo PR	42.3	42.9	44.1	46.0	41.9	42.5	43.7	45.7	40.8	41.4	42.7	44.6	38.9	39.5	40.8	42.7	36.7	37.2	38.5	40.4	34.6	35.2	37.8
	MBh	41.8	42.3	43.6	45.5	41.4	42.0	43.2	45.1	40.3	40.9	42.1	44.0	38.4	39.0	40.3	42.2	36.1	36.7	38.0	39.9	34.0	34.6	35.9
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	24.16	22.21	18.57	14.81	24.10	22.16	18.52	14.76	24.38	22.43	18.80	15.03	24.08	22.14	18.50	14.74	23.82	21.88	18.24	14.48	25.04	23.10	19.46
	KW	2.66	2.66	2.65	2.68	2.97	2.97	2.96	2.99	3.32	3.32	3.31	3.31	3.69	3.69	3.69	3.71	4.12	4.11	4.13	4.13	4.61	4.61	4.62
75	Amps	9.50	9.49	9.47	9.57	10.85	10.84	10.82	10.92	12.36	12.35	12.33	12.43	14.00	13.99	13.97	14.07	15.83	15.82	15.79	15.90	17.97	17.96	17.94
	Hi PR	269	271	272	277	312	313	315	319	356	357	359	363	403	404	406	411	454	456	457	462	509	510	512
	Lo PR	126	128	131	136	134	135	138	144	140	142	145	150	146	148	151	156	151	153	156	161	158	160	163
	MBh	42.9	43.5	44.7	46.7	42.5	43.1	44.4	46.3	41.5	42.0	43.3	45.2	39.6	40.2	41.4	43.3	37.3	37.9	39.1	41.0	35.2	35.8	37.9
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	23.20	21.26	17.62	13.86	23.15	21.20	17.57	13.80	23.42	21.48	17.84	14.08	23.13	21.18	17.55	13.78	22.87	20.92	17.29	13.52	24.09	22.14	18.51
	KW	2.67	2.67	2.67	2.69	2.98	2.98	3.00	3.03	3.33	3.33	3.32	3.35	3.71	3.71	3.70	3.72	4.13	4.13	4.12	4.14	4.62	4.62	4.64
	Amps	9.56	9.55	9.52	9.63	10.91	10.90	10.88	10.98	12.42	12.41	12.39	12.49	14.06	14.02	14.13	15.88	15.87	15.85	15.95	18.03	18.02	17.99	18.10
1400	Hi PR	272	273	275	279	314	315	317	321	358	359	361	366	405	406	408	413	457	458	460	464	511	512	514
	Lo PR	128	130	133	138	136	137	140	146	144	147	152	148	149	153	158	155	153	155	158	160	162	165	170

IDB = Entering indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ACCA (TVA) conditions

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

		OUTDOOR AMBIENT TEMPERATURE															
		75°F						85°F						95°F			
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
1100	MBh	42.0	42.6	43.8	45.7	41.6	42.2	43.4	45.3	40.5	41.1	42.3	44.2	38.6	39.2	40.5	42.4
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	29.59	27.64	24.01	20.24	29.54	27.59	23.96	20.19	27.86	24.23	20.46	29.52	27.57	23.94	20.17	29.26
	KW	2.65	2.64	2.64	2.66	2.96	2.95	2.97	3.31	3.30	3.30	3.32	3.68	3.67	3.70	4.10	4.09
	Amps	9.44	9.43	9.41	9.51	10.79	10.78	10.76	10.86	12.30	12.29	12.27	12.37	13.94	13.93	13.91	14.01
	HPR	268	269	271	275	310	311	313	318	354	355	357	362	402	403	405	409
80	Lo PR	125	127	130	135	133	134	137	143	139	141	144	149	145	146	149	155
	MBh	42.5	43.1	44.3	46.2	42.1	42.7	44.0	45.9	41.0	41.6	42.9	44.8	39.2	39.8	41.0	42.9
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	28.47	26.52	22.88	19.12	28.41	26.47	22.83	19.07	28.69	26.74	23.10	19.34	28.39	26.45	22.81	19.05
	KW	2.66	2.66	2.65	2.68	2.97	2.97	2.97	2.99	3.32	3.31	3.32	3.34	3.69	3.69	3.71	4.12
	Amps	9.51	9.50	9.47	9.58	10.86	10.85	10.83	10.93	12.37	12.36	12.34	12.44	14.01	14.00	13.97	14.08
80	HPR	270	271	273	278	312	313	315	320	356	357	359	364	404	405	407	411
	Lo PR	127	128	131	137	134	136	139	144	141	142	146	151	147	148	151	157
	MBh	43.1	43.7	45.0	46.9	42.8	43.3	44.6	46.5	41.7	42.3	43.5	45.4	39.8	40.4	41.6	43.5
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	27.51	25.57	21.93	18.17	27.46	25.51	21.88	18.11	27.73	25.79	22.15	18.39	27.44	25.49	21.86	18.09
	KW	2.67	2.67	2.67	2.69	2.99	2.98	2.98	3.00	3.33	3.33	3.33	3.35	3.71	3.71	3.73	4.13
1400	MBh	43.1	43.7	45.0	46.9	42.8	43.3	44.6	46.5	41.7	42.3	43.5	45.4	39.8	40.4	41.6	43.5
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	33.41	31.47	27.83	24.07	33.36	31.41	27.78	24.01	33.63	31.69	28.05	24.29	33.34	31.39	27.76	23.99
	KW	2.65	2.65	2.64	2.67	2.96	2.96	2.96	2.98	3.31	3.31	3.30	3.33	3.69	3.68	3.70	4.11
	Amps	9.47	9.46	9.43	9.54	10.82	10.81	10.79	10.89	12.33	12.32	12.30	12.40	13.97	13.95	13.93	14.04
	HPR	269	270	272	277	311	312	314	319	355	356	358	363	403	404	406	410
1400	Lo PR	127	128	132	137	134	136	139	144	141	143	146	151	147	148	151	157
	MBh	42.7	43.3	44.5	46.4	42.3	42.9	44.1	46.0	41.2	41.8	43.0	45.0	39.3	39.9	41.2	43.1
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	33.41	31.47	27.83	24.07	33.36	31.41	27.78	24.01	33.63	31.69	28.05	24.29	33.34	31.39	27.76	23.99
	KW	2.65	2.65	2.64	2.67	2.96	2.96	2.96	2.98	3.31	3.31	3.30	3.33	3.69	3.68	3.70	4.11
	Amps	9.53	9.52	9.50	9.60	10.89	10.88	10.88	10.96	12.40	12.39	12.36	12.47	14.03	14.02	14.00	14.10
85	MBh	43.2	43.8	45.0	46.9	42.8	43.4	44.7	46.6	41.7	42.3	43.6	45.5	39.9	40.5	41.7	43.6
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	32.29	30.34	26.71	22.94	32.24	30.29	26.65	22.89	32.51	30.56	26.93	23.16	32.22	30.27	26.63	22.87
	KW	2.67	2.67	2.66	2.68	2.98	2.98	2.98	2.97	3.00	3.33	3.32	3.32	3.34	3.70	3.70	3.69
	Amps	9.53	9.52	9.50	9.60	10.89	10.88	10.88	10.96	12.40	12.39	12.36	12.47	14.03	14.02	14.00	14.10
	HPR	271	272	274	279	313	314	316	321	357	359	360	365	405	406	408	413
85	Lo PR	129	130	133	139	136	138	141	146	143	144	148	153	148	150	153	158
	MBh	43.8	44.4	45.7	47.6	43.5	44.0	45.3	47.2	42.4	43.0	44.2	46.1	40.5	41.1	42.3	44.2
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	31.34	29.39	25.75	21.99	31.28	29.34	25.70	21.93	31.56	29.61	25.97	22.21	31.26	29.32	25.68	21.91
	KW	2.68	2.68	2.67	2.70	2.99	2.98	3.01	3.34	3.34	3.33	3.36	3.72	3.71	3.73	4.14	4.15
	Amps	9.59	9.58	9.56	9.66	10.94	10.93	11.01	12.45	12.44	12.42	12.52	14.09	14.08	14.06	14.16	15.92
1400	HPR	273	274	276	281	315	317	318	323	360	361	363	367	407	408	410	415
	Lo PR	131	132	135	141	138	140	143	148	145	146	149	155	150	152	155	160
	MBh	43.8	44.4	45.7	47.6	43.5	44.0	45.3	47.2	42.4	43.0	44.2	46.1	40.5	41.1	42.3	44.2
	S/T	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ΔT	31.34	29.39	25.75	21.99	31.28	29.34	25.70	21.93	31.56	29.61	25.97	22.21	31.26	29.32	25.68	21.91
	KW	2.68	2.68	2.67	2.70	2.99	2.98	3.01	3.34	3.34	3.33	3.36	3.72	3.71	3.73	4.14	4.15
1400	Amps	9.59	9.58	9.56	9.66	10.94	10.93	11.01	12.45	12.44	12.42	12.52	14.09	14.08	14.06	14.16	15.92
	HPR	273	274	276	281	315	317	318	323	360	361	363	367	407	408	410	415
	Lo PR	131	132	135	141	138	140	143	148	145	146	149	155	150	152	155	160

Shaded area reflects AHRI (TVA) conditions
IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										105°F							115°F						
		65°F				75°F				85°F				95°F			105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	
805	MBh	33.7	34.2	35.2	-	33.4	33.9	34.9	-	32.5	33.0	34.0	-	31.0	31.5	32.5	-	29.1	29.6	30.6	-	27.5	27.9	28.9	
	S/T	0.61	0.54	0.40	-	0.62	0.54	0.41	-	0.64	0.57	0.43	-	1.00	0.59	0.45	-	1.00	0.61	0.47	-	1.00	0.66	0.52	
	ΔT	21.04	19.09	15.44	-	20.99	19.04	15.38	-	21.27	19.31	15.66	-	20.97	19.02	15.36	-	20.71	18.75	15.10	-	21.93	19.98	16.33	
	KW	1.86	1.86	1.85	-	2.08	2.08	2.07	-	2.33	2.33	2.32	-	2.60	2.60	2.59	-	2.90	2.90	2.89	-	3.25	3.25	3.25	
	Amps	6.70	6.69	6.68	-	7.67	7.66	7.65	-	8.75	8.75	8.73	-	9.93	9.92	9.90	-	11.24	11.23	11.21	-	12.77	12.76	12.75	
	Hi PR	256	257	259	-	297	298	299	-	339	340	342	-	384	386	387	-	434	435	436	-	486	487	489	
	Lo PR	126	127	130	-	133	135	138	-	140	142	145	-	146	147	150	-	151	153	156	-	158	160	163	
70	MBh	34.1	34.6	35.6	-	33.8	34.3	35.3	-	32.9	33.4	34.4	-	31.4	31.9	32.9	-	29.6	30.0	31.0	-	27.9	28.3	29.3	
	S/T	0.67	0.59	0.45	-	0.67	0.60	0.46	-	0.70	0.62	0.49	-	1.00	0.64	0.51	-	1.00	0.66	0.53	-	1.00	0.71	0.58	
	ΔT	19.96	18.01	14.36	-	19.91	17.95	14.30	-	20.18	18.23	14.58	-	19.89	17.93	14.28	-	19.63	17.67	14.02	-	20.85	18.90	15.25	
	KW	1.87	1.87	1.86	-	2.09	2.09	2.07	-	2.34	2.34	2.33	-	2.61	2.61	2.60	-	2.91	2.91	2.90	-	3.26	3.26	3.26	
	Amps	6.75	6.74	6.72	-	7.72	7.71	7.69	-	8.80	8.79	8.78	-	9.97	9.96	9.95	-	11.28	11.27	11.26	-	12.82	12.81	12.79	
	Hi PR	258	259	261	-	299	300	301	-	341	342	344	-	386	388	389	-	436	437	438	-	488	489	491	
	Lo PR	127	129	132	-	135	137	140	-	142	143	147	-	147	149	152	-	153	155	158	-	160	161	165	
70	MBh	34.6	35.1	36.1	-	34.3	34.8	35.8	-	33.4	33.9	34.9	-	31.9	32.4	33.4	-	30.0	30.5	31.5	-	28.4	28.8	29.8	
	S/T	0.70	0.62	0.49	-	0.70	0.63	0.49	-	1.00	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.70	0.56	-	1.00	0.75	0.61	
	ΔT	19.04	17.08	13.43	-	18.99	17.03	13.38	-	19.26	17.31	13.66	-	18.97	17.01	13.36	-	18.71	16.75	13.10	-	19.93	17.97	14.32	
	KW	1.88	1.87	1.87	-	2.10	2.10	2.09	-	2.35	2.35	2.34	-	2.62	2.62	2.61	-	2.92	2.92	2.91	-	3.27	3.27	3.27	
	Amps	6.79	6.78	6.76	-	7.76	7.75	7.73	-	8.84	8.83	8.82	-	10.01	10.00	9.99	-	11.32	11.31	11.30	-	12.86	12.85	12.83	
	Hi PR	260	261	263	-	300	302	303	-	343	344	346	-	388	389	391	-	438	439	440	-	490	491	493	
	Lo PR	129	131	134	-	137	139	142	-	144	145	148	-	149	151	154	-	155	156	160	-	162	163	167	
1015	MBh	33.7	34.2	35.2	36.7	33.4	33.9	34.9	36.4	32.5	33.0	34.0	35.5	31.0	31.5	32.5	34.0	29.2	29.6	30.6	32.2	27.5	27.9	29.0	
	S/T	0.74	0.67	0.53	0.39	1.00	0.67	0.54	0.39	1.00	0.70	0.56	0.42	1.00	0.72	0.58	0.44	1.00	0.74	0.60	0.46	1.00	1.00	0.65	
	ΔT	25.34	23.39	19.74	15.95	25.29	23.34	19.68	15.90	25.57	23.61	19.96	16.18	25.27	23.32	19.66	15.88	25.01	23.05	19.40	15.62	26.23	24.28	20.63	
	KW	1.86	1.85	1.85	1.87	2.08	2.08	2.07	2.09	2.33	2.33	2.32	2.34	2.60	2.60	2.59	2.61	2.90	2.90	2.89	2.91	3.25	3.25	3.25	
	Amps	6.69	6.69	6.67	6.74	7.67	7.66	7.64	7.72	8.75	8.74	8.72	8.80	9.92	9.91	9.90	9.97	11.23	11.22	11.21	11.28	12.77	12.76	12.82	
	Hi PR	256	257	259	264	297	298	300	304	339	340	342	346	385	386	388	392	434	435	437	441	486	487	494	
	Lo PR	126	127	131	136	133	135	138	144	140	142	145	150	146	147	151	156	151	153	156	161	158	160	163	
805	MBh	34.1	34.6	35.6	37.1	33.8	34.3	35.3	36.8	32.9	33.4	34.4	35.9	31.4	31.9	32.9	34.4	29.6	30.0	31.1	32.6	27.9	28.4	29.4	
	S/T	0.80	0.72	0.58	0.44	1.00	0.73	0.59	0.45	1.00	0.75	0.62	0.47	1.00	0.77	0.63	0.49	1.00	0.79	0.66	0.51	1.00	1.00	0.71	
	ΔT	24.26	22.31	18.66	14.87	24.21	22.25	18.60	14.82	24.48	22.53	18.88	15.09	24.19	22.23	18.58	14.80	23.93	21.97	18.32	14.54	25.15	23.20	19.55	
	KW	1.87	1.86	1.86	1.88	2.09	2.08	2.08	2.10	2.34	2.34	2.33	2.35	2.61	2.61	2.62	2.62	2.91	2.91	2.90	2.92	3.26	3.26	3.26	
	Amps	6.74	6.73	6.72	6.79	7.71	7.70	7.69	7.76	8.79	8.79	8.77	8.84	9.97	9.96	9.94	9.94	10.02	11.28	11.27	11.25	11.33	12.81	12.80	12.86
	Hi PR	258	259	261	266	299	300	302	306	341	342	344	348	387	388	390	394	436	437	439	443	488	489	496	
	Lo PR	127	129	132	138	135	137	140	145	142	143	147	152	147	149	152	158	153	155	158	163	160	162	165	
75	MBh	34.6	35.1	36.1	37.6	34.3	34.8	35.8	37.3	33.4	33.9	34.9	36.4	31.9	32.4	33.4	34.9	30.1	30.5	31.5	33.1	28.4	28.8	29.9	
	S/T	0.83	0.75	0.62	0.47	1.00	0.76	0.62	0.48	1.00	0.78	0.65	0.50	1.00	0.80	0.67	0.52	1.00	1.00	0.69	0.55	1.00	1.00	0.74	
	ΔT	23.34	21.38	17.73	13.95	23.29	21.33	17.68	13.90	23.56	21.61	17.95	14.17	23.27	21.31	17.66	13.88	23.01	21.05	17.40	13.62	24.23	22.27	18.62	
	KW	1.88	1.87	1.87	1.89	2.10	2.10	2.09	2.11	2.35	2.35	2.34	2.36	2.62	2.62	2.63	2.63	2.91	2.91	2.90	2.92	3.27	3.27	3.28	
	Amps	6.78	6.77	6.76	6.83	7.75	7.74	7.73	7.80	8.83	8.83	8.81	8.88	10.01	10.00	9.98	10.06	11.31	11.31	11.29	11.36	12.85	12.84	12.90	
	Hi PR	260	261	263	268	301	302	304	308	343	344	346	350	389	390	392	396	438	439	441	445	490	491	498	
	Lo PR	129	131	134	139	137	139	142	147	144	145	148	154	149	151	154	155	155	156	160	165	162	163	172	
IDB: Entering Indoor Dry Bulb Temperature High and low pressures are measured at the liquid and suction service valves.																									

Shaded area reflects ACCA (TV) conditions

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												115°F						
		65°F						75°F						85°F			95°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67
805	MBh	33.9	34.3	35.4	36.9	33.6	34.0	35.1	36.6	32.7	33.2	34.2	35.7	31.2	31.7	32.7	34.2	29.3	30.8	32.4
	S/T	1.00	0.79	0.66	0.51	1.00	0.80	0.66	0.52	1.00	0.82	0.69	0.54	1.00	1.00	0.71	0.56	1.00	0.73	0.58
	ΔT	29.67	27.72	24.07	20.28	29.62	27.66	24.01	20.23	29.89	27.94	24.29	20.50	29.60	27.64	23.99	20.21	29.34	23.73	19.95
	KW	1.86	1.85	1.85	1.87	2.08	2.08	2.07	2.09	2.33	2.33	2.32	2.34	2.60	2.59	2.61	2.60	2.90	2.89	2.91
	Amps	6.70	6.69	6.68	6.75	7.67	7.66	7.65	7.72	8.75	8.75	8.73	8.80	9.92	9.90	9.97	11.23	11.23	11.24	11.24
	HPR	257	258	260	264	297	298	300	304	341	342	347	385	386	388	392	434	435	437	442
80	Lo PR	126	128	131	136	134	136	139	144	141	142	145	151	148	151	156	152	153	157	159
	MBh	34.3	34.8	35.8	37.3	34.0	34.5	35.5	37.0	33.1	33.6	34.6	36.1	31.6	32.1	33.1	34.6	29.7	30.2	31.2
	S/T	1.00	0.85	0.71	0.57	1.00	0.85	0.72	0.57	1.00	0.88	0.74	0.60	1.00	1.00	0.78	0.64	1.00	1.00	0.83
	ΔT	28.59	26.64	22.98	19.20	28.54	26.58	22.93	19.15	28.81	26.86	23.21	19.42	28.52	26.56	22.91	19.13	28.26	26.30	22.65
	KW	1.87	1.87	1.86	1.88	2.09	2.09	2.08	2.10	2.34	2.34	2.33	2.35	2.61	2.60	2.62	2.91	2.90	2.92	3.26
	Amps	6.75	6.74	6.72	6.80	7.72	7.71	7.69	7.77	8.80	8.77	8.85	9.97	9.96	9.95	10.02	11.28	11.26	11.33	12.82
80	HPR	259	260	262	266	299	300	302	307	342	343	344	349	387	388	390	395	436	437	439
	Lo PR	128	130	133	138	136	137	140	146	142	144	147	152	148	150	152	158	154	155	158
1015	MBh	34.8	35.2	36.3	37.8	34.5	34.9	36.0	37.5	33.6	34.1	35.1	36.6	32.1	32.6	33.6	35.1	30.2	30.7	31.7
	S/T	1.00	0.88	0.74	0.60	1.00	0.88	0.75	0.75	1.00	1.00	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.72
	ΔT	27.67	25.71	22.06	18.28	27.62	25.66	22.01	18.23	27.89	25.93	22.28	18.50	27.60	25.64	21.99	18.21	27.33	25.38	17.94
	KW	1.88	1.87	1.87	1.89	2.10	2.10	2.09	2.11	2.35	2.35	2.34	2.36	2.62	2.61	2.63	2.92	2.91	2.91	2.93
	Amps	6.79	6.78	6.76	6.84	7.76	7.75	7.73	7.81	8.84	8.83	8.81	8.89	10.01	10.00	9.99	10.06	11.32	11.31	11.37
	HPR	261	262	264	268	301	302	304	309	344	345	346	351	389	390	392	396	438	439	446
10	Lo PR	130	131	135	140	138	139	142	148	144	146	149	154	150	151	155	160	155	157	160
805	MBh	34.4	34.9	35.9	37.5	34.1	34.6	35.6	37.2	33.3	33.7	34.7	36.3	31.7	32.2	33.2	34.8	29.9	30.4	31.4
	S/T	1.00	0.89	0.76	0.61	1.00	0.76	0.76	0.62	1.00	1.00	0.79	0.64	1.00	1.00	0.81	0.65	1.00	1.00	0.74
	ΔT	33.51	31.56	27.91	24.12	33.46	31.50	27.85	24.07	33.73	31.78	28.13	24.34	33.44	31.48	27.83	24.05	33.18	31.22	27.57
	KW	1.86	1.86	1.86	1.87	2.08	2.08	2.08	2.10	2.33	2.33	2.33	2.34	2.60	2.60	2.61	2.90	2.90	2.90	3.26
	Amps	6.72	6.71	6.69	6.77	7.69	7.68	7.66	7.74	8.77	8.76	8.75	8.82	9.94	9.94	9.92	11.25	11.25	11.23	11.30
	HPR	258	259	261	265	298	300	301	306	341	342	344	348	386	387	389	394	435	437	438
1015	Lo PR	128	130	133	138	136	137	141	146	143	144	147	153	148	150	153	158	154	155	158
805	MBh	34.9	35.3	36.3	37.9	34.6	35.0	36.0	37.6	33.7	34.1	35.2	36.7	32.2	32.6	33.6	35.2	30.3	30.8	31.8
	S/T	1.00	0.95	0.81	0.67	1.00	1.00	0.82	0.67	1.00	1.00	0.84	0.70	1.00	1.00	0.86	0.72	1.00	1.00	0.74
	ΔT	32.43	30.47	26.82	23.04	32.38	30.42	26.77	22.99	32.65	30.70	27.05	23.26	32.36	30.40	26.75	22.97	32.10	30.14	26.49
	KW	1.87	1.87	1.87	1.88	2.09	2.09	2.09	2.11	2.34	2.34	2.34	2.36	2.61	2.61	2.62	2.91	2.91	2.91	2.93
	Amps	6.76	6.76	6.74	6.81	7.73	7.73	7.71	7.78	8.82	8.81	8.79	8.87	9.99	9.98	9.97	10.04	11.30	11.29	11.27
	HPR	260	261	263	267	300	302	303	308	343	344	346	350	388	389	391	396	437	439	446
85	Lo PR	130	131	135	140	138	139	142	148	144	146	149	154	150	151	155	160	155	157	160
805	MBh	35.3	35.8	36.8	38.4	35.0	35.5	36.5	38.1	34.2	34.6	35.6	37.2	32.6	33.1	34.1	35.7	30.8	31.3	32.3
	S/T	1.00	0.98	0.84	0.70	1.00	1.00	0.85	0.71	1.00	1.00	0.87	0.73	1.00	1.00	0.89	0.75	1.00	1.00	0.77
	ΔT	31.51	29.55	25.90	22.12	31.45	29.50	25.85	22.06	31.73	29.77	26.12	22.34	31.43	29.48	25.83	22.04	31.17	29.22	25.57
	KW	1.88	1.88	1.88	1.89	2.10	2.10	2.12	2.12	2.35	2.35	2.35	2.36	2.62	2.62	2.63	2.92	2.92	2.92	3.28
	Amps	6.80	6.80	6.78	6.85	7.77	7.77	7.75	7.75	8.86	8.85	8.83	8.91	10.03	10.02	10.00	11.34	11.33	11.31	12.87
	HPR	262	263	265	269	302	304	310	345	346	348	352	390	391	393	398	439	441	442	447
1015	Lo PR	132	133	137	142	139	141	144	150	146	148	151	156	152	153	157	162	167	164	169

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
Shaded area reflects AHRI (TVA) conditions

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

EXPANDED COOLING DATA — GPGM548*41 STAGE 2**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										115°F					
		65°F					75°F					85°F			95°F		
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
1150	MBh	46.8	47.5	48.9	-	46.4	47.1	48.5	-	45.2	45.9	47.3	-	43.1	43.8	45.2	-
	S/T	0.60	0.52	0.39	-	0.60	0.53	0.40	-	0.63	0.55	0.42	-	0.65	0.57	0.44	-
	ΔT	21.81	19.78	16.00	-	21.75	19.73	15.94	-	22.04	20.01	16.23	-	21.73	19.71	15.92	-
	KW	2.95	2.95	2.94	-	3.31	3.30	3.30	-	3.70	3.70	3.69	-	4.13	4.13	4.12	-
	Amps	10.65	10.64	10.62	-	12.20	12.18	12.16	-	13.92	13.91	13.88	-	15.78	15.77	15.74	-
	Hi PR	268	269	271	-	310	311	313	-	354	356	358	-	402	403	405	-
	Lo PR	122	124	127	-	130	131	134	-	136	138	141	-	142	143	146	-
70	MBh	47.4	48.1	49.5	-	47.0	47.7	49.1	-	45.8	46.4	47.8	-	43.7	44.3	45.7	-
	S/T	0.65	0.57	0.44	-	0.66	0.58	0.45	-	0.68	0.61	0.47	-	1.00	0.62	0.49	-
	ΔT	20.69	18.66	14.88	-	20.63	18.61	14.82	-	20.92	18.89	15.11	-	20.61	18.58	14.80	-
	KW	2.97	2.97	2.96	-	3.32	3.32	3.32	-	3.72	3.72	3.71	-	4.15	4.15	4.14	-
	Amps	10.73	10.71	10.69	-	12.27	12.26	12.23	-	13.99	13.98	13.95	-	15.85	15.84	15.82	-
	Hi PR	270	271	273	-	312	313	315	-	357	358	360	-	404	405	407	-
	Lo PR	124	125	129	-	131	133	136	-	138	139	143	-	143	145	148	-
1300	MBh	48.1	48.8	50.2	-	47.7	48.3	49.7	-	46.5	47.1	48.5	-	44.3	45.0	46.4	-
	S/T	0.68	0.61	0.47	-	0.69	0.61	0.48	-	0.71	0.64	0.50	-	1.00	0.66	0.52	-
	ΔT	19.73	17.70	13.92	-	19.68	17.65	13.87	-	19.96	17.93	14.15	-	19.65	17.63	13.84	-
	KW	2.98	2.98	2.97	-	3.34	3.34	3.33	-	3.73	3.73	3.73	-	4.16	4.16	4.15	-
	Amps	10.79	10.78	10.75	-	12.33	12.32	12.29	-	14.05	14.04	14.01	-	15.92	15.90	15.88	-
	Hi PR	272	273	275	-	314	315	317	-	359	360	362	-	406	407	409	-
	Lo PR	126	127	130	-	133	135	138	-	140	141	144	-	145	147	150	-
1450	MBh	48.1	48.9	51.1	46.5	47.1	48.5	50.6	45.2	45.9	47.3	49.4	43.1	43.8	45.2	47.3	40.6
	S/T	0.72	0.65	0.52	0.38	0.73	0.65	0.52	0.38	1.00	0.68	0.55	0.41	1.00	0.70	0.57	0.43
	ΔT	26.26	24.24	20.45	16.53	26.21	24.18	20.40	16.48	26.49	24.47	20.68	16.76	26.19	24.16	20.38	16.46
	KW	2.95	2.95	2.94	2.97	3.30	3.30	3.30	3.32	3.70	3.70	3.69	3.72	4.13	4.13	4.12	4.15
	Amps	10.64	10.63	10.61	10.72	12.19	12.17	12.15	12.27	13.91	13.90	13.87	13.99	15.77	15.76	15.85	15.85
	Hi PR	268	269	271	276	310	312	313	318	355	356	358	362	402	404	405	410
	Lo PR	122	124	127	132	130	131	131	134	136	138	141	146	142	143	146	152
75	MBh	47.4	48.1	49.5	51.6	47.0	47.7	49.1	51.2	45.8	46.5	47.9	50.0	43.7	44.4	45.8	47.9
	S/T	0.77	0.70	0.57	0.43	0.78	0.71	0.57	0.44	1.00	0.73	0.60	0.46	1.00	0.75	0.62	0.48
	ΔT	25.14	23.12	19.33	15.41	25.09	23.06	19.28	15.36	25.37	23.35	19.56	15.64	25.07	23.04	19.26	15.34
	KW	2.97	2.96	2.96	2.99	3.32	3.32	3.32	3.34	3.72	3.71	3.71	3.74	4.15	4.14	4.14	4.16
	Amps	10.72	10.70	10.68	10.78	12.26	12.25	12.22	12.34	13.98	13.97	13.94	14.06	15.84	15.83	15.81	15.92
	Hi PR	270	271	273	278	313	314	316	320	357	358	360	365	404	406	407	412
	Lo PR	124	126	129	134	131	133	136	141	138	139	143	148	143	145	153	150
1300	MBh	48.1	48.8	50.2	52.3	47.7	48.4	49.8	51.9	46.5	47.1	48.5	50.7	44.4	45.0	46.4	48.6
	S/T	0.81	0.73	0.60	0.46	1.00	0.74	0.61	0.47	1.00	0.76	0.63	0.49	1.00	0.78	0.65	0.51
	ΔT	24.19	22.16	18.38	14.46	24.13	22.10	18.32	14.40	24.42	22.39	18.61	14.69	24.11	22.08	18.30	14.38
	KW	2.98	2.98	2.97	3.00	3.34	3.33	3.33	3.35	3.73	3.73	3.72	3.75	4.16	4.15	4.18	4.64
	Amps	10.78	10.77	10.74	10.86	12.32	12.31	12.28	12.40	14.04	14.03	14.00	14.12	15.91	15.89	15.87	15.99
	Hi PR	272	273	275	280	315	316	318	322	359	360	362	367	406	408	410	414
	Lo PR	126	127	130	136	133	135	138	143	140	141	144	150	145	147	150	155

DB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.

kW = Total system power
 Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions

EXPANDED COOLING DATA — GPGM560*41 STAGE 1**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										115°F					
		65°F					75°F					85°F			95°F		
MBh		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
11120	MBh	42.5	43.1	44.4	-	42.1	42.7	44.0	-	41.0	41.6	42.9	-	39.1	39.7	41.0	-
	S/T	0.61	0.53	0.40	-	0.61	0.54	0.40	-	0.64	0.56	0.43	-	1.00	0.58	0.45	-
	ΔT	18.92	17.15	13.87	-	18.87	17.11	13.82	-	19.12	17.35	14.07	-	18.85	17.09	13.80	-
	KW	2.32	2.31	2.31	-	2.61	2.60	2.60	-	2.93	2.93	2.92	-	3.28	3.28	3.27	-
	Amps	8.38	8.37	8.35	-	9.64	9.63	9.61	-	11.04	11.03	11.01	-	12.56	12.55	12.53	-
	Hi PR	257	258	260	-	298	299	301	-	340	342	343	-	386	387	389	-
70	Lo PR	127	129	132	-	135	136	140	-	142	143	146	-	147	149	152	-
	MBh	43.0	43.6	44.9	-	42.6	43.2	44.5	-	41.5	42.1	43.4	-	39.6	40.2	41.5	-
	S/T	0.66	0.58	0.45	-	0.66	0.59	0.45	-	1.00	0.61	0.48	-	1.00	0.63	0.50	-
	ΔT	17.98	16.22	12.93	-	17.93	16.17	12.88	-	18.18	16.42	13.13	-	17.92	16.15	12.87	-
	KW	2.33	2.33	2.32	-	2.62	2.62	2.61	-	2.94	2.94	2.93	-	3.29	3.29	3.28	-
	Amps	8.44	8.43	8.41	-	9.70	9.69	9.66	-	11.10	11.09	11.07	-	12.62	12.61	12.59	-
1400	Hi PR	259	260	262	-	300	301	303	-	342	343	345	-	388	389	391	-
	Lo PR	129	130	134	-	137	138	141	-	143	145	148	-	149	151	154	-
	MBh	43.6	44.2	45.4	-	43.2	43.8	45.1	-	42.1	42.7	44.0	-	40.2	40.8	42.0	-
	S/T	0.69	0.61	0.48	-	0.69	0.62	0.49	-	1.00	0.64	0.51	-	1.00	0.66	0.53	-
	ΔT	17.18	15.42	12.13	-	17.13	15.37	12.08	-	17.38	15.62	12.33	-	17.11	15.35	12.06	-
	KW	2.34	2.34	2.33	-	2.63	2.63	2.62	-	2.95	2.95	2.95	-	3.30	3.30	3.30	-
1400	Amps	8.49	8.48	8.46	-	9.75	9.74	9.71	-	11.15	11.14	11.12	-	12.67	12.66	12.64	-
	Hi PR	261	262	264	-	302	303	305	-	344	345	347	-	390	391	393	-
	Lo PR	131	132	135	-	138	140	143	-	145	147	150	-	151	152	156	-

IDB	AIRFLOW	ENTERING INDOOR WET BULB TEMPERATURE										95°F					
		85°F					95°F					105°F			115°F		
MBh		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
11120	MBh	42.5	43.1	44.4	46.3	42.1	42.7	44.0	45.9	41.0	41.6	42.9	44.8	39.1	39.7	41.0	42.9
	S/T	0.73	0.66	0.52	0.38	1.00	0.66	0.53	0.39	1.00	0.69	0.56	0.41	1.00	0.71	0.57	0.43
	ΔT	22.79	21.03	17.74	14.33	22.74	20.98	17.69	14.28	22.99	21.23	17.94	14.53	22.72	20.96	17.67	14.27
	KW	2.31	2.31	2.31	2.33	2.60	2.60	2.60	2.62	2.93	2.92	2.92	2.94	3.28	3.27	3.27	3.29
	Amps	8.37	8.36	8.34	8.44	9.63	9.62	9.60	9.70	11.03	11.02	11.00	11.10	12.55	12.54	12.52	12.62
	Hi PR	258	259	260	265	298	299	301	306	341	342	344	348	386	388	394	397
70	Lo PR	127	129	132	137	135	136	140	145	142	143	146	152	147	149	152	158
	MBh	43.0	43.6	44.9	46.8	42.6	43.2	44.5	46.4	41.5	42.1	43.4	45.3	39.6	40.2	41.5	43.4
	S/T	0.79	0.71	0.58	0.43	1.00	0.72	0.58	0.44	1.00	0.74	0.61	0.47	1.00	0.76	0.63	0.48
	ΔT	21.85	20.09	16.80	13.40	21.81	20.04	16.76	13.35	22.05	20.29	17.00	13.60	21.79	20.03	16.74	13.33
	KW	2.33	2.33	2.32	2.34	2.62	2.61	2.61	2.63	2.94	2.94	2.93	2.95	3.29	3.29	3.28	3.30
	Amps	8.43	8.42	8.40	8.50	9.69	9.68	9.66	9.75	11.09	11.08	11.06	11.16	12.61	12.60	12.68	14.31
1400	Hi PR	260	261	262	267	300	301	303	307	343	344	346	350	388	389	391	396
	Lo PR	129	130	134	139	137	138	141	147	143	145	148	154	149	151	155	158
	MBh	43.6	44.2	45.5	47.4	43.2	43.8	45.1	47.0	42.1	42.7	44.0	45.9	40.2	40.8	42.1	44.0
	S/T	0.82	0.74	0.61	0.47	1.00	0.75	0.61	0.47	1.00	0.77	0.64	0.50	1.00	0.79	0.66	0.52
	ΔT	21.05	19.29	16.00	12.59	21.00	19.24	15.95	12.55	21.25	19.49	16.20	12.79	20.99	19.22	15.94	12.53
	KW	2.34	2.34	2.33	2.35	2.63	2.63	2.62	2.64	2.95	2.95	2.94	2.97	3.30	3.30	3.29	3.32
75	Amps	8.48	8.47	8.45	8.54	9.74	9.73	9.71	9.80	11.14	11.13	11.11	11.21	12.66	12.65	12.72	14.36
	Hi PR	261	263	264	269	302	303	305	309	344	346	347	352	390	391	393	398
	Lo PR	131	132	135	141	138	140	143	149	145	147	150	155	151	152	156	157

DB = Entering indoor dry bulb temperature
 High and low pressures are measured at the liquid and suction service valves.

IDB = Entering indoor dry bulb temperature
 High and low pressures are measured at the liquid and suction service valves.

kW = total system power
 Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions

AIRFLOW DATA

GPGM52406041 - Rise Range: 25° - 55°											
E.S.P.	T1 LOW STAGE HEATING SPEED			T2 HIGH STAGE HEATING SPEED			T3 LOW STAGE COOLING SPEED		T4 HIGH STAGE COOLING SPEED		T5 COOLING SPEED
	CFM	WATTS	RISE	CFM	WATTS	RISE	CFM	WATTS	CFM	WATTS	CFM
0.1	700	76	48	1080	197	42	744	72	1021	149	1090
0.2	665	84	51	1032	204	44	696	79	976	157	1055
0.3	614	91	55	988	212	46	646	86	932	164	1020
0.4	561	98	60	948	220	47	591	93	885	171	995
0.5	505	105	67	902	225	50	524	99	844	178	955
0.6	438	114	77	859	231	52	466	106	795	185	915
0.7	374	119	90	813	238	55	405	111	744	192	880
0.8	318	125	106	770	245	58	356	116	983	199	835
											246

GPGM530080M41 - Rise Range: 35° - 65°											
E.S.P.	T1 LOW STAGE HEATING SPEED			T2 HIGH STAGE HEATING SPEED			T3 LOW STAGE COOLING SPEED		T4 HIGH STAGE COOLING SPEED		T5 COOLING SPEED
	CFM	WATTS	RISE	CFM	WATTS	RISE	CFM	WATTS	CFM	WATTS	CFM
0.1	1035	156	43	1300	287	46	848	89	1171	201	1295
0.2	990	165	45	1265	293	47	797	96	1127	208	1260
0.3	950	173	47	1220	310	49	740	104	1087	217	1220
0.4	910	184	49	1190	306	50	680	112	1043	224	1180
0.5	865	190	52	1145	319	52	615	120	990	231	1140
0.6	820	200	55	1105	320	54	551	126	941	239	1105
0.7	765	204	59	1070	330	56	462	132	885	245	1055
0.8	725	211	62	1015	338	59	384	138	826	251	1015
											337

GPGM53608041 - Rise Range: 35° - 65°											
E.S.P.	T1 LOW STAGE HEATING SPEED			T2 HIGH STAGE HEATING SPEED			T3 LOW STAGE COOLING SPEED		T4 HIGH STAGE COOLING SPEED		T5 COOLING SPEED
	CFM	WATTS	RISE	CFM	WATTS	RISE	CFM	WATTS	CFM	WATTS	CFM
0.1	950	115	47	1245	230	48	960	134	1450	396	1440
0.2	895	124	50	1195	238	50	897	142	1400	405	1390
0.3	840	134	54	1150	247	52	828	148	1349	413	1355
0.4	775	146	58	1095	256	55	766	156	1302	420	1300
0.5	710	152	63	1045	263	57	695	163	1253	428	1260
0.6	650	160	X	990	277	61	634	168	1203	436	1210
0.7	590	163	X	935	285	64	571	173	1152	442	1160
0.8	540	171	X	870	288	X	509	178	1102	449	1110
											415

GPGM54210041 - Rise Range: 35° - 65°												
E.S.P.	T1 LOW STAGE HEATING SPEED			T2 HIGH STAGE HEATING SPEED			T3 LOW STAGE COOLING SPEED		T4 HIGH STAGE COOLING SPEED		T5 COOLING SPEED	
	CFM	WATTS	RISE	CFM	WATTS	RISE	CFM	WATTS	CFM	WATTS	CFM	WATTS
0.1	1100	172	51	1420	325	53	1210	220	1571	430	1620	484
0.2	1040	181	54	1360	331	55	1140	226	1520	439	1575	489
0.3	985	185	57	1310	342	57	1085	235	1472	448	1530	497
0.4	920	193	61	1275	353	59	1023	243	1403	454	1490	500
0.5	875	203	64	1210	360	62	963	250	1356	463	1450	507
0.6	815	207	X	1165	368	64	901	259	1302	470	1405	518
0.7	765	215	X	1115	369	X	846	266	1247	476	1345	516
0.8	710	216	X	1075	385	X	786	271	1188	480	1300	528

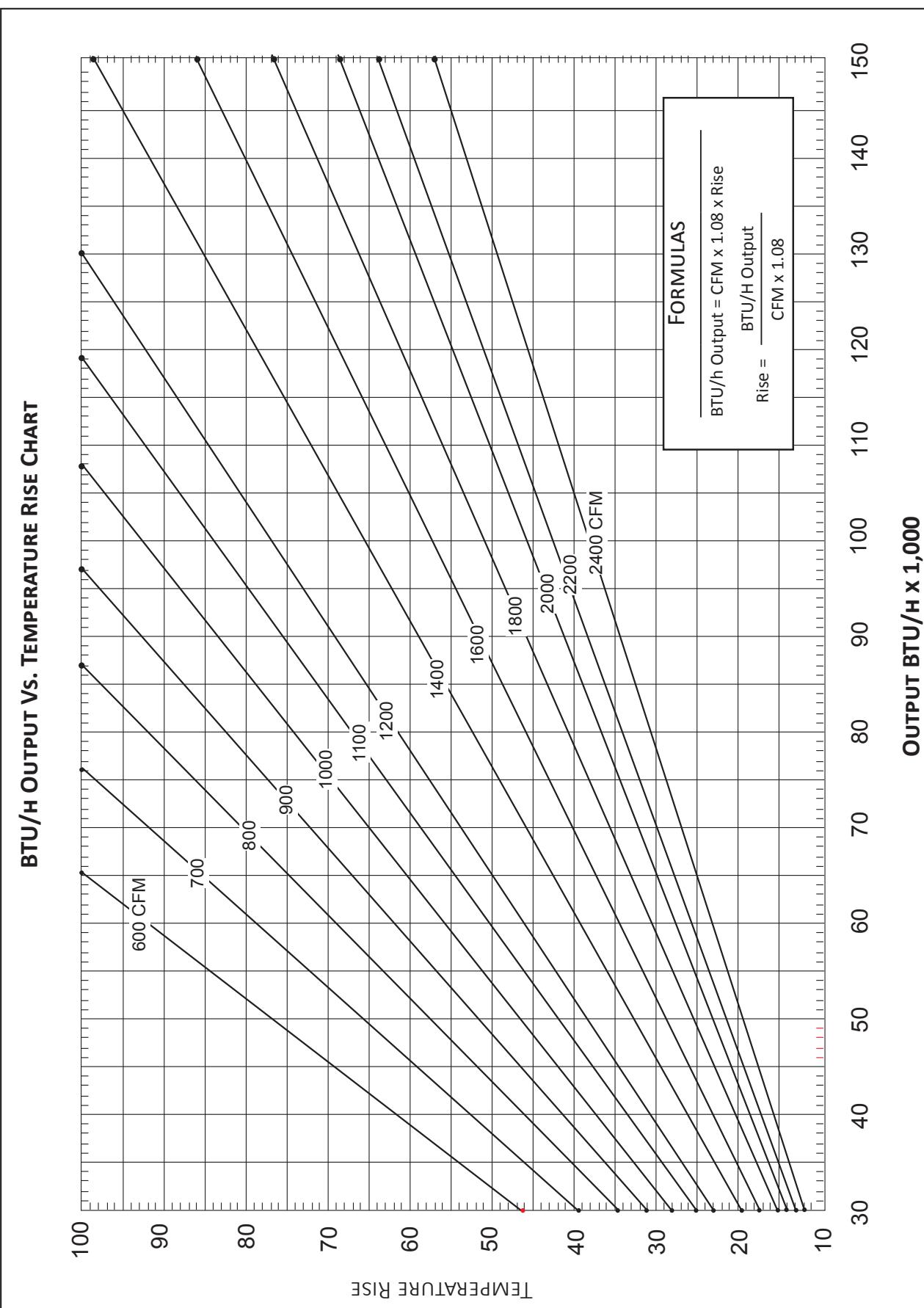
GPGM54810041 - Rise Range: 35° - 65°												
E.S.P.	T1 LOW STAGE HEATING SPEED			T2 HIGH STAGE HEATING SPEED			T3 LOW STAGE COOLING SPEED		T4 HIGH STAGE COOLING SPEED		T5 COOLING SPEED	
	CFM	WATTS	RISE	CFM	WATTS	RISE	CFM	WATTS	CFM	WATTS	CFM	WATTS
0.1	1085	171	52	1410	326	53	1326	287	1601	733	1790	641
0.2	1035	178	54	1365	329	55	1273	294	1544	744	1745	650
0.3	985	184	57	1315	337	57	1222	303	1485	751	1710	659
0.4	925	193	61	1270	353	59	1172	311	1435	760	1670	663
0.5	870	198	65	1220	360	61	1123	319	1383	766	1625	674
0.6	815	208	X	1175	372	64	1073	328	1333	779	1585	672
0.7	760	213	X	1115	375	X	1027	337	1279	787	1540	675
0.8	710	219	X	1080	381	X	978	344	1219	792	1495	683

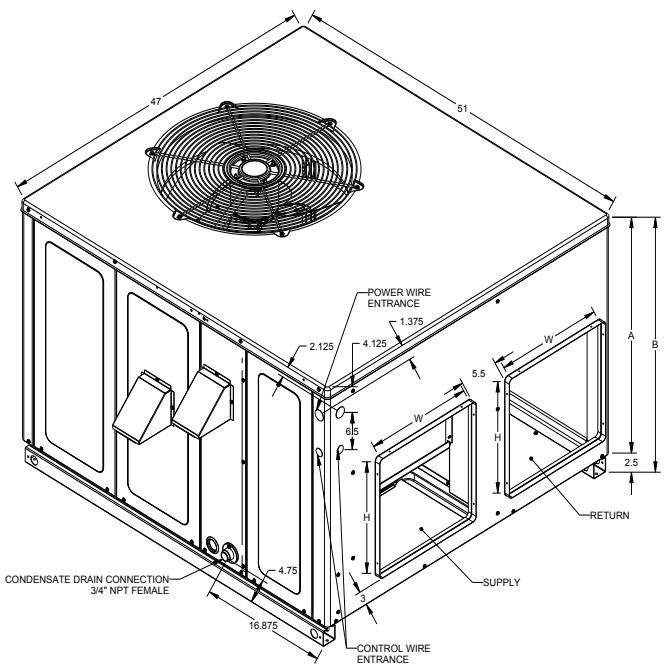
AIRFLOW DATA (CONT.)
5 Ton Models: GPGM560*41A**

DOWN FLOW						
SPEED TAP	TORQUE %	TORQUE OZ-FT	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP
T1	25	20	0.2	983	570	0.14
			0.4	833	659	0.16
			0.6	703	739	0.18
			0.8	574	808	0.19
T2	32	25.9	0.2	1175	640	0.20
			0.4	1057	714	0.22
			0.6	902	801	0.25
			0.8	790	874	0.27
T3	78	62.4	0.2	1963	883	0.66
			0.4	1858	939	0.70
			0.6	1760	990	0.74
			0.8	1668	1038	0.77
T4	78	62.4	0.2	1963	883	0.66
			0.4	1858	939	0.70
			0.6	1760	990	0.74
			0.8	1668	1038	0.77
T5	100	80	0.2	2369	2196	2.09
			0.4	2248	987	0.94
			0.6	2144	1024	0.97
			0.8	2054	1070	1.02

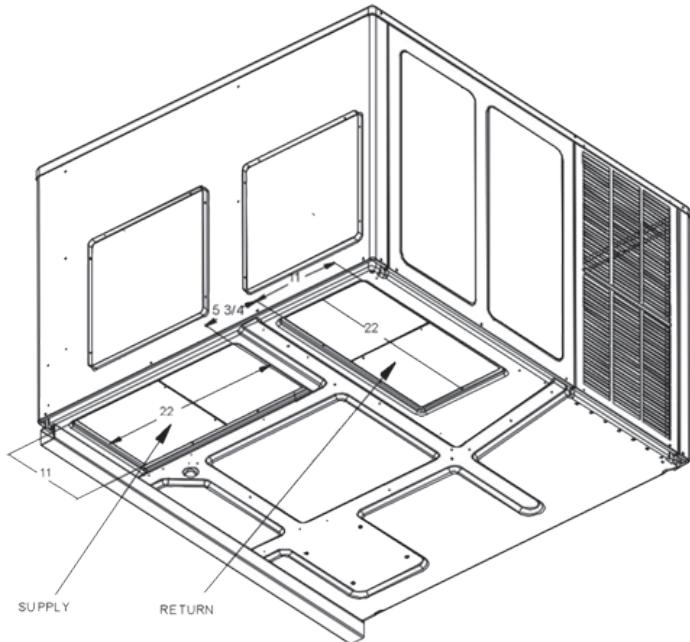
HORIZONTAL FLOW						
SPEED TAP	TORQUE %	TORQUE OZ-FT	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP
T1	25	20	0.2	1003	606	0.14
			0.4	850	701	0.17
			0.6	718	785	0.19
			0.8	586	858	0.20
T2	32	25.9	0.2	1229	617	0.19
			0.4	1105	699	0.22
			0.6	945	795	0.24
			0.8	844	861	0.27
T3	78	62.4	0.2	2032	853	0.63
			0.4	1941	908	0.67
			0.6	1850	966	0.72
			0.8	1757	1018	0.76
T4	78	62.4	0.2	2032	853	0.63
			0.4	1941	908	0.67
			0.6	1850	966	0.72
			0.8	1757	1018	0.76
T5	100	80	0.2	2323	929	0.88
			0.4	2245	978	0.93
			0.6	2161	1028	0.98
			0.8	2080	1079	1.03

*Shaded area indicates air flow below 1500 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.

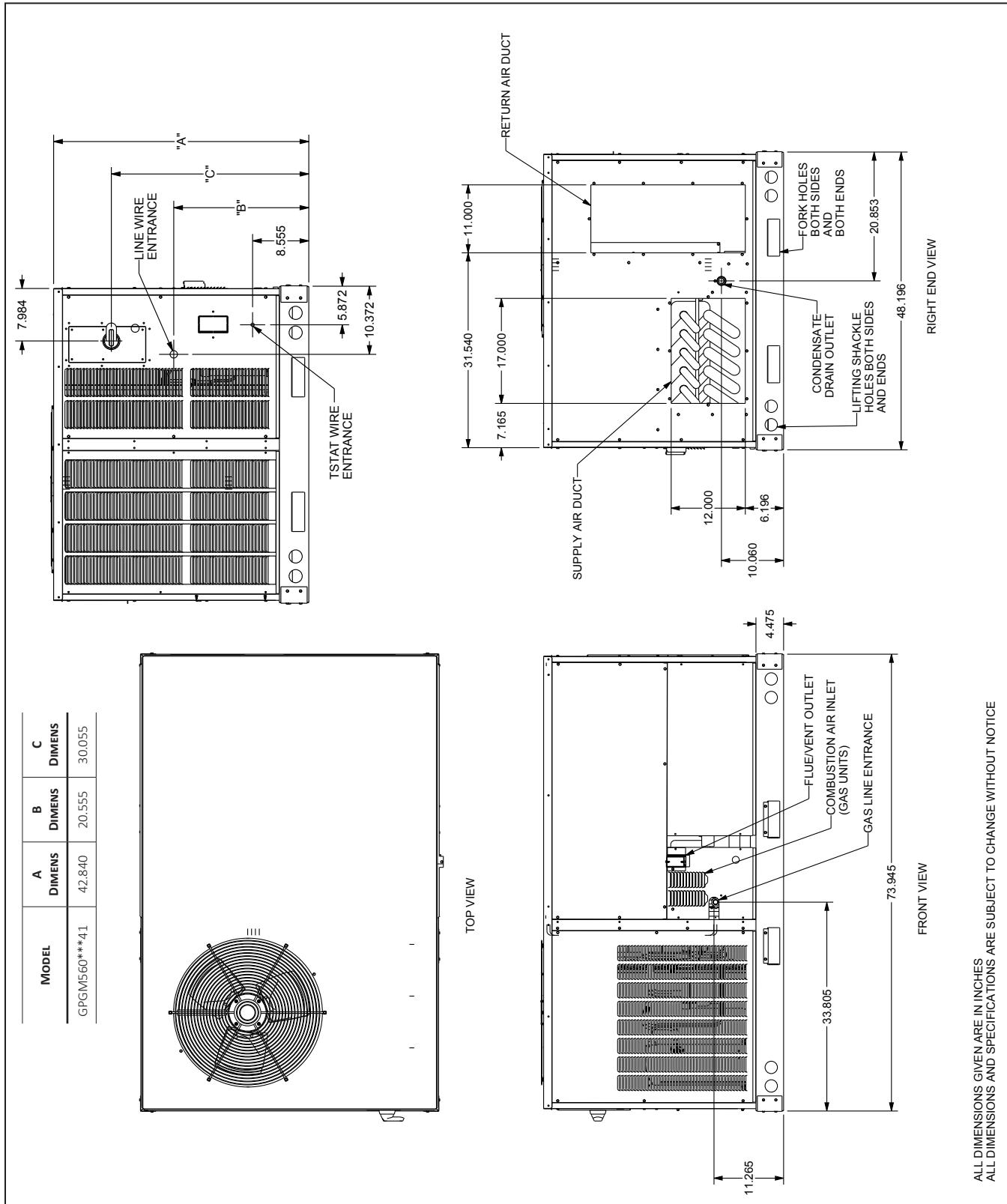


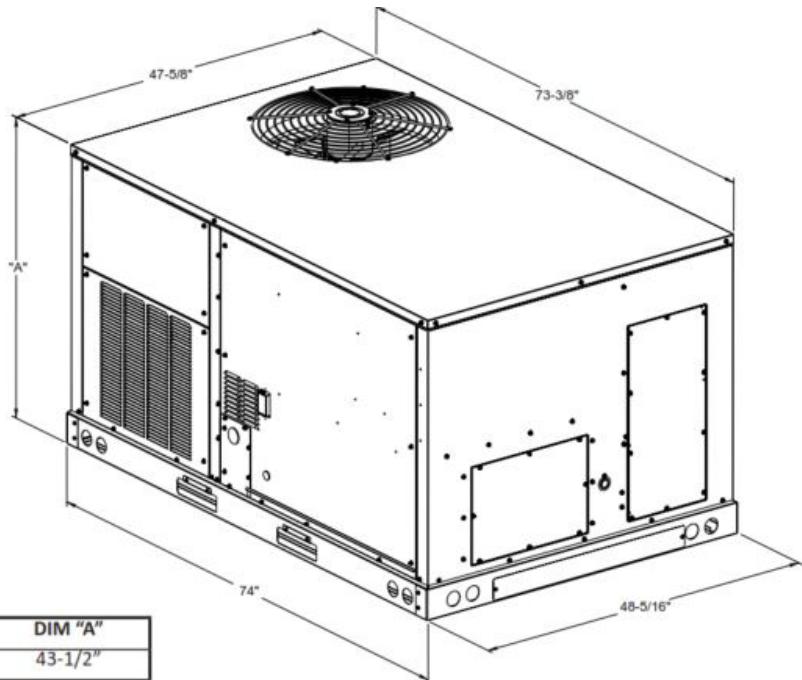


MODEL	UNIT DIMENSIONS (INCHES)				CHASSIS SIZE	
			HEIGHT			
	W	D	A	B		
GPGM524***41**	47	51	32	34 1/2	Medium	
GPGM530***41**	47	51	32	34 1/2	Medium	
GPGM536***41**	47	51	40	42 1/2	Large	
GPGM542***41**	47	51	40	42 1/2	Large	
GPGM548***41**	47	51	40	42 1/2	Large	
GPGM560***41**	73 3/8	47 5/8	39	43 1/2	X-Large	

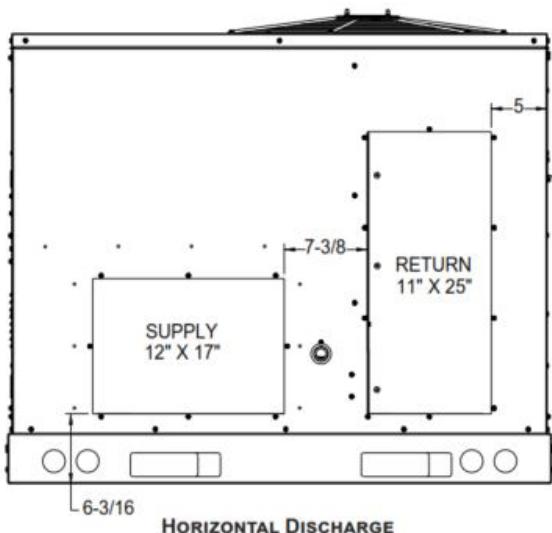


MODEL	DUCT OPENINGS			
	SUPPLY		RETURN	
	W	H	W	H
GPGM524***41**	16	16	16	16
GPGM530***41**	16	16	16	16
GPGM536***41**	16	18	16	18
GPGM542***41**	16	18	16	18
GPGM548***41**	16	18	16	18
GPGM560***41**	17	12	11	25

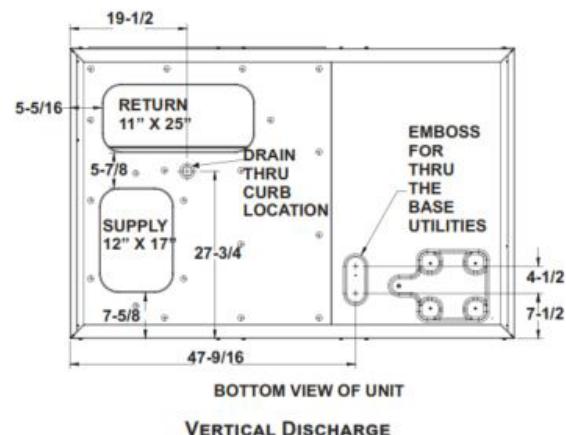




Model size	DIM "A"
5 ton	43-1/2"



HORIZONTAL DISCHARGE



NOTE: REFER TO IOD-7082 INCLUDED IN THE LITERATURE PACK FOR INSTALLING HORIZONTAL DUCT COVERS.

Provisions for forks have been included in the unit base frame. No other fork locations are approved.

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60".
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from fork lift damage. To remove the struts, extract the sheet metal retainers and pull the struts through the base of the unit. Refer to rigging label on the unit.

Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

Lower unit carefully onto roof mounting curb. While rigging the unit, the center of gravity will cause the condenser end to be lower than the supply air end.

Bring condenser end of unit into alignment with the curb. With condenser end of the unit resting on curb member and using curb as a fulcrum, lower opposite end of the unit until entire unit is seated on the curb. When a rectangular cantilever curb is used, take care to center the unit. Check for proper alignment and orientation of supply and return openings with duct.

To assist in determining rigging requirements, unit weights are shown on the following page.

Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association.

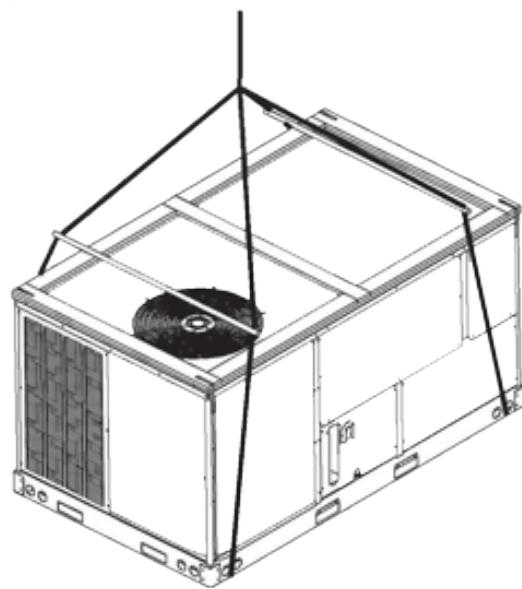
Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory package.

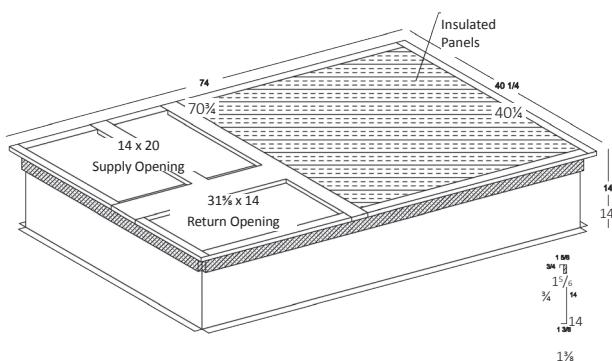
- Determine sufficient structural support before locating and mounting the curb and package unit.
- Duct-work must be constructed using industry guidelines. The duct-work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered-type curbs are not available from the factory.
- Contractor furnishes curb insulation, cant strips, flashing, and general roofing material.
- Support curbs on parallel sides with roof members. To prevent damage to the unit, the roof members cannot penetrate supply and return duct openings.

Note: The unit and curb accessories are designed to allow vertical duct installation before unit placement. Duct installation after unit placement is not recommended.

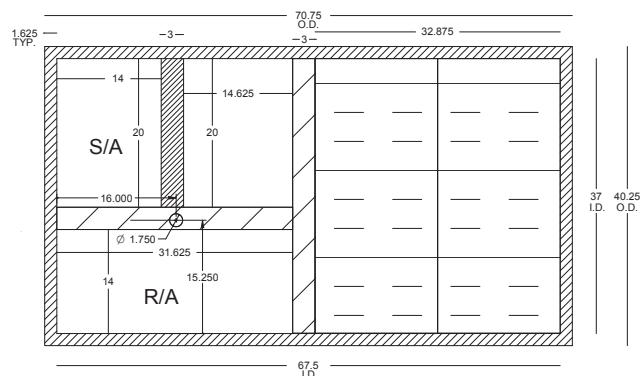
See the manual shipped with the roof curb for assembly and installation instructions.

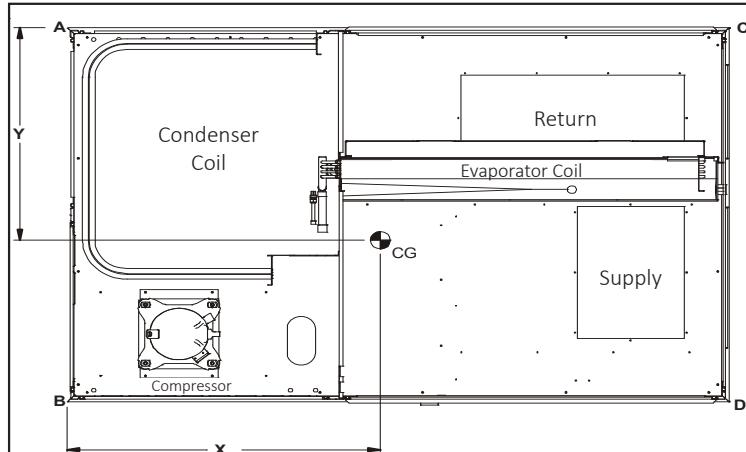


3-D VIEW



TOP VIEW

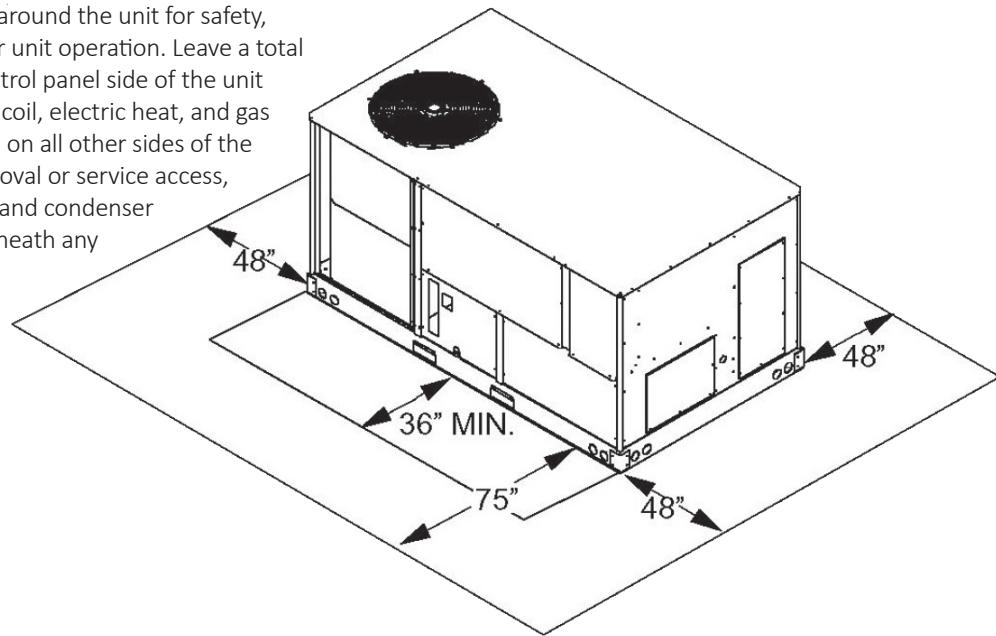


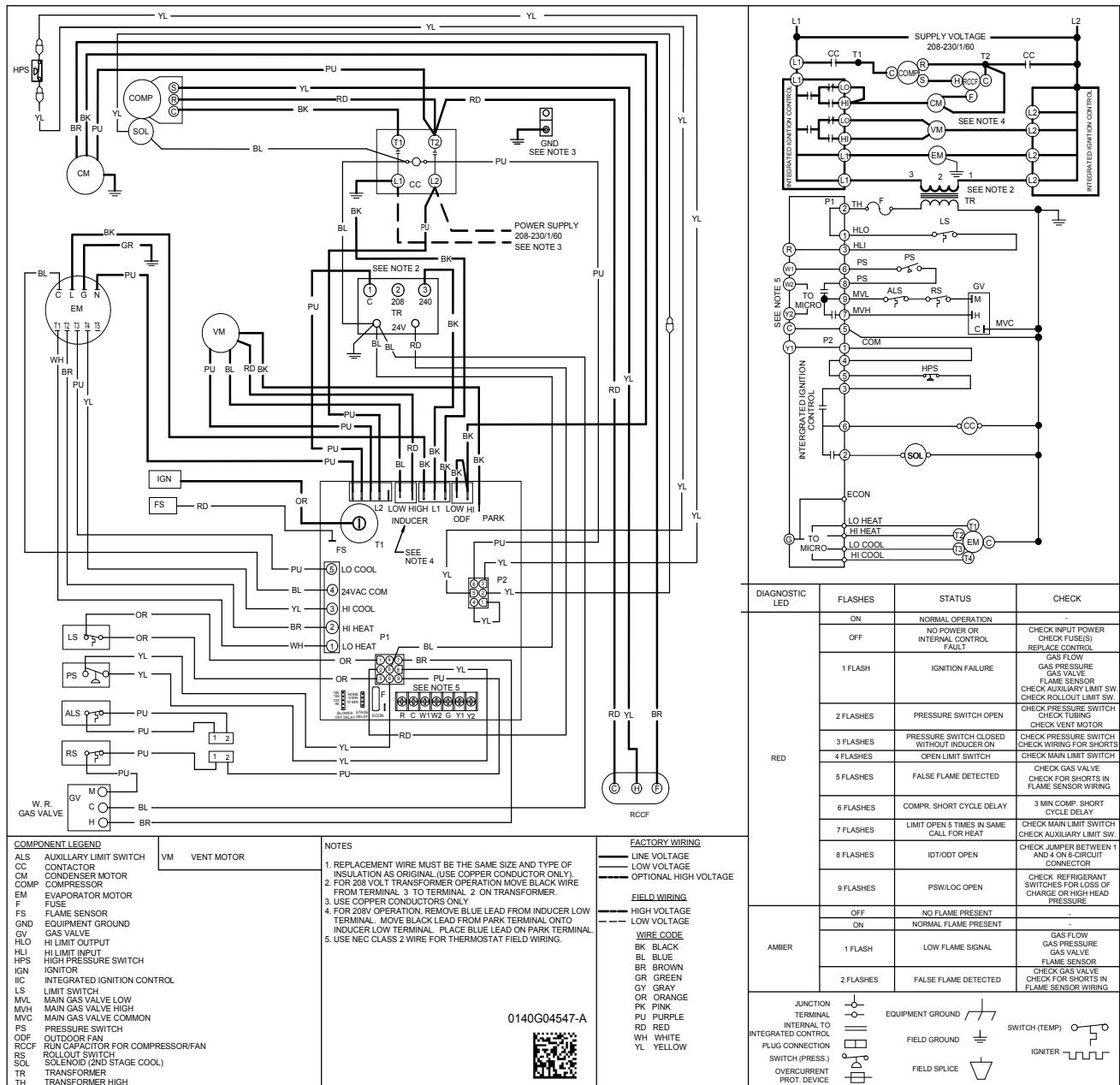
CORNER & CENTER-OF-GRAVITY LOCATIONS

MODEL	X (IN)	Y (IN)	SHIPPING WEIGHT (LBS)	OPERATING WEIGHT (LBS)	CORNER WEIGHTS (LBS.)			
					A	B	C	D
GPGM560***41**	46.4	28.1	655	629	186	204	65	174

UNIT CLEARANCES

Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a total clearance of 75" on the main control panel side of the unit for possible removal of fan shaft, coil, electric heat, and gas furnace. Leave a clearance of 48" on all other sides of the unit for possible compressor removal or service access, and to ensure proper ventilation and condenser airflow. Do not install the unit beneath any obstruction. Install the unit away from all building exhausts to inhibit ingestion of exhaust air into the unit's fresh-air intake.





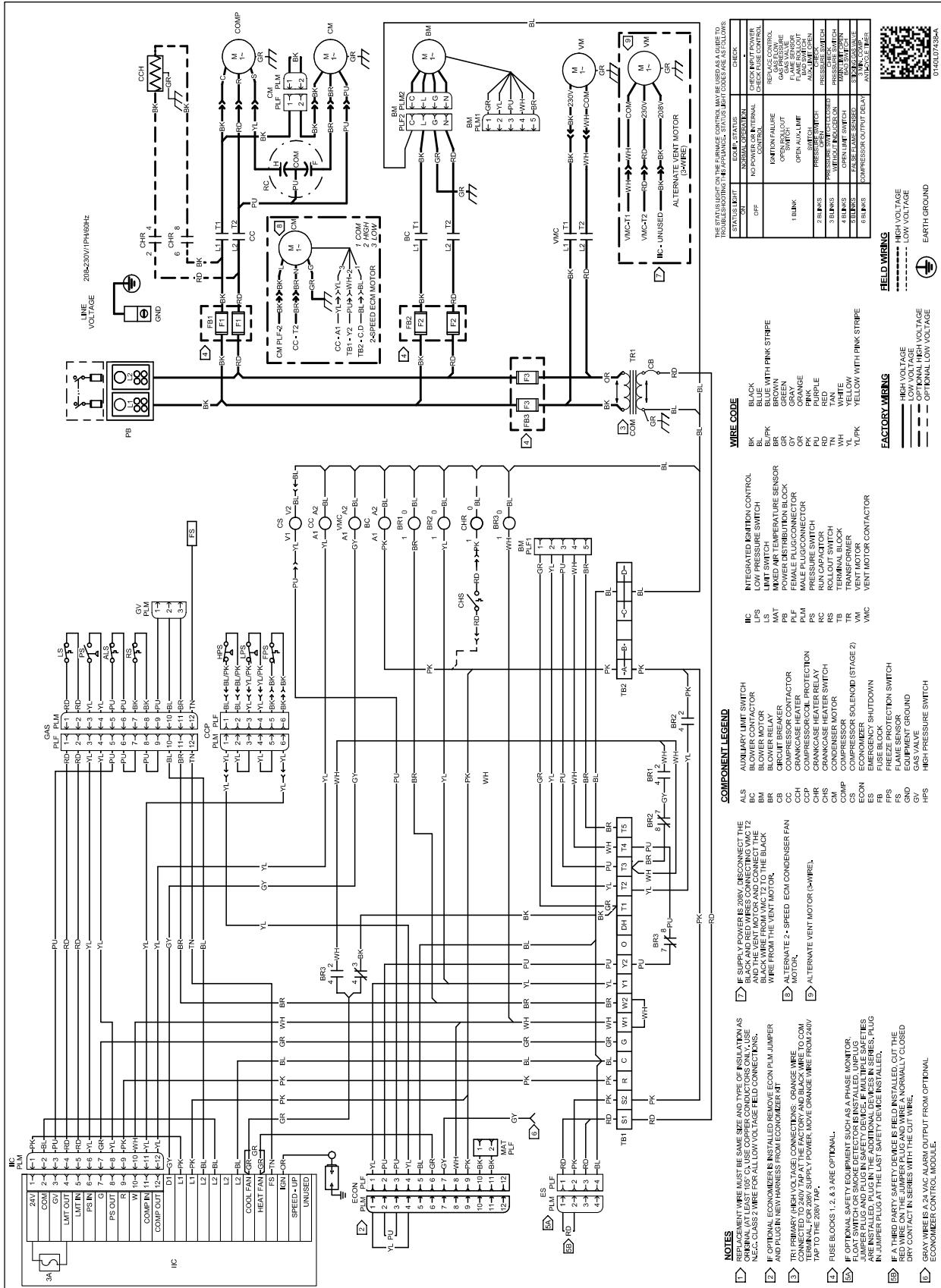
Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



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.





NOTES

- ① RELOCATE WIRE MUST BE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (AT LEAST 105°C USE COPPER CONDUCTORS ONLY, USE NEC, CLASS 2 WIRE FOR ALL LOW VOLTAGE FIELD CONNECTIONS).
- ② IF OPTIONAL ECONOMIZER IS INSTALLED REMOVE ECON PLM JUMPER AND CUT IN NEW HARNESS FROM ECONOMIZER "4T".
- ③ TRI-PRIMARY (HIGH VOLTAGE) CONNECTIONS, ORANGE, WHITE, AND BLACK, CONNECT TO 240V TAP AT THE FACTORY AND BLACK, WHITE, TO COM TERMINAL, OR 240V SUPPLY POWER, MOVE ORANGE WIRE FROM 240V TAP TO THE 208V TAP.
- ④ FUSE BLOCKS 1, 2, & 3 ARE OPTIONAL.
- ⑤ IF OPTIONAL SAFETY EQUIPMENT SUCH AS PHASE MONITOR, FLAME SWITCH OR SMOKE DETECTOR IS INSTALLED, UNPLUG JUMPER PLUG AND PLUG IN THE LAST SAFETY DEVICE INSTALLED.
- ⑥ IF A THIRD PARTY SAFETY DEVICE IS FIELD INSTALLED, CUT THE RED WIRE ON THE JUMPER, PLUG IN THE WIRE A NORMALLY CLOSED SAFETY CONTACT IN SERIES WITH THE CUT WIRE.
- ⑦ GRAY WIRE IS A 24 VAC ALARM OUTPUT FROM OPTIONAL ECONOMIZER CONTROL MODULE.

COMPONENT LEGEND

WIRE CODE	COMPONENT
BLK	INTEGRATED IGNITION CONTROL
BLK	LOW PRESSURE SWITCH
BLK	LIMIT SWITCH
BLK	MIXED AIR TEMPERATURE SENSOR
BLK	POWER ANTI-SURGE BLOCK
BLK	MAIN PLUG/CONNECTOR
BLK	RUN CAPACITOR
BLK	ROLLOUT SWITCH
BLK	TERMINAL BLOCK
BLK	TRANSFORMER
BLK	VENT MOTOR CONTACTOR
BLK	YACON
BLK	YELLOWS WITH PINK STRIPE
BLK	YL/PK
BR	AUXILIARY UNIT SWITCH
BR	BLOWER MOTOR
BR	BLW WITH PINK STRIPE
BR	BROWN
BR	CIRCUIT BREAKER
BR	CRANSHAKER
BR	COMPRESSOR
BR	CONDENSER FAN
BR	CONDENSER FAN RELAY
BR	CONDENSER FAN SWITCH
BR	CONDENSER MOTOR
BR	COMPRESSOR
BR	COMPRESSOR SOLENOID (STAGE 2)
BR	ECONOMIZER
BR	EMERGENCY SHUTDOWN
BR	FUSE PROTECTION SWITCH
BR	FLAME SENSOR
BR	EQUIPMENT GROUND
BR	GAS VALVE
BR	HIGH PRESSURE SWITCH
GR	INTEGRATED IGNITION CONTROL
GR	LOW PRESSURE SWITCH
GR	LIMIT SWITCH
GR	MIXED AIR TEMPERATURE SENSOR
GR	POWER ANTI-SURGE BLOCK
GR	MAIN PLUG/CONNECTOR
GR	RUN CAPACITOR
GR	ROLLOUT SWITCH
GR	TERMINAL BLOCK
GR	TRANSFORMER
GR	VENT MOTOR CONTACTOR
GR	YACON
GR	YELLOWS WITH PINK STRIPE
GR	YL/PK
GY	AUXILIARY UNIT SWITCH
GY	BLOWER MOTOR
GY	BLW WITH PINK STRIPE
GY	BROWN
GY	CIRCUIT BREAKER
GY	CRANSHAKER
GY	COMPRESSOR
GY	CONDENSER FAN
GY	CONDENSER FAN RELAY
GY	CONDENSER FAN SWITCH
GY	CONDENSER MOTOR
GY	COMPRESSOR
GY	COMPRESSOR SOLENOID (STAGE 2)
GY	ECONOMIZER
GY	EMERGENCY SHUTDOWN
GY	FUSE PROTECTION SWITCH
GY	FLAME SENSOR
GY	EQUIPMENT GROUND
GY	GAS VALVE
GY	HIGH PRESSURE SWITCH
OR	INTEGRATED IGNITION CONTROL
OR	LOW PRESSURE SWITCH
OR	LIMIT SWITCH
OR	MIXED AIR TEMPERATURE SENSOR
OR	POWER ANTI-SURGE BLOCK
OR	MAIN PLUG/CONNECTOR
OR	RUN CAPACITOR
OR	ROLLOUT SWITCH
OR	TERMINAL BLOCK
OR	TRANSFORMER
OR	VENT MOTOR CONTACTOR
OR	YACON
OR	YELLOWS WITH PINK STRIPE
OR	YL/PK
PK	AUXILIARY UNIT SWITCH
PK	BLOWER MOTOR
PK	BLW WITH PINK STRIPE
PK	BROWN
PK	CIRCUIT BREAKER
PK	CRANSHAKER
PK	COMPRESSOR
PK	CONDENSER FAN
PK	CONDENSER FAN RELAY
PK	CONDENSER FAN SWITCH
PK	CONDENSER MOTOR
PK	COMPRESSOR
PK	COMPRESSOR SOLENOID (STAGE 2)
PK	ECONOMIZER
PK	EMERGENCY SHUTDOWN
PK	FUSE PROTECTION SWITCH
PK	FLAME SENSOR
PK	EQUIPMENT GROUND
PK	GAS VALVE
PK	HIGH PRESSURE SWITCH
RD	INTEGRATED IGNITION CONTROL
RD	LOW PRESSURE SWITCH
RD	LIMIT SWITCH
RD	MIXED AIR TEMPERATURE SENSOR
RD	POWER ANTI-SURGE BLOCK
RD	MAIN PLUG/CONNECTOR
RD	RUN CAPACITOR
RD	ROLLOUT SWITCH
RD	TERMINAL BLOCK
RD	TRANSFORMER
RD	VENT MOTOR CONTACTOR
RD	YACON
RD	YELLOWS WITH PINK STRIPE
RD	YL/PK
T1	INTEGRATED IGNITION CONTROL
T1	LOW PRESSURE SWITCH
T1	LIMIT SWITCH
T1	MIXED AIR TEMPERATURE SENSOR
T1	POWER ANTI-SURGE BLOCK
T1	MAIN PLUG/CONNECTOR
T1	RUN CAPACITOR
T1	ROLLOUT SWITCH
T1	TERMINAL BLOCK
T1	TRANSFORMER
T1	VENT MOTOR CONTACTOR
T1	YACON
T1	YELLOWS WITH PINK STRIPE
T1	YL/PK
T2	INTEGRATED IGNITION CONTROL
T2	LOW PRESSURE SWITCH
T2	LIMIT SWITCH
T2	MIXED AIR TEMPERATURE SENSOR
T2	POWER ANTI-SURGE BLOCK
T2	MAIN PLUG/CONNECTOR
T2	RUN CAPACITOR
T2	ROLLOUT SWITCH
T2	TERMINAL BLOCK
T2	TRANSFORMER
T2	VENT MOTOR CONTACTOR
T2	YACON
T2	YELLOWS WITH PINK STRIPE
T2	YL/PK
BL	INTEGRATED IGNITION CONTROL
BL	LOW PRESSURE SWITCH
BL	LIMIT SWITCH
BL	MIXED AIR TEMPERATURE SENSOR
BL	POWER ANTI-SURGE BLOCK
BL	MAIN PLUG/CONNECTOR
BL	RUN CAPACITOR
BL	ROLLOUT SWITCH
BL	TERMINAL BLOCK
BL	TRANSFORMER
BL	VENT MOTOR CONTACTOR
BL	YACON
BL	YELLOWS WITH PINK STRIPE
BL	YL/PK

THE STATUS LIGHT ON THE FIRING BOARD INDICATES THE FOLLOWING STATUS CODES AS GUIDE TO TROUBLESHOOTING THE FAULTS:	
STATUS	CODE / STATUS
OK	NO POWER ON INTERNAL CHECK
OFF	NO POWER ON EXTERNAL
ON	REPLACE CONTROL
FLASHING	REPLACE CONTROL
OPEN W/LNK	SWITCH OPEN
1-BLINK	SWITCH OPEN
2-BLINKS	PRESSURE SWITCH OPEN
3-BLINKS	PRESSURE SWITCH OPEN
4-BLINKS	OPENUM LIMIT SWITCH
5-BLINKS	OPENUM LIMIT SWITCH
6-BLINKS	COMPRESSOR OUTPUT DELAY

FACTORY WIRING	
HIGH VOLTAGE	-----
LOW VOLTAGE	-----
OPTIONAL HIGH VOLTAGE	-----
OPTIONAL LOW VOLTAGE	-----



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.

*FOR GPGM524-48***41** UNITS*

ACCESSORY DESCRIPTION	ITEM NUMBER	
	MEDIUM CHASSIS	LARGE CHASSIS
Concentric Kit	CDK36	CDK4872
Downflow Economizer	PGEDJ101/102	PGEDJ103
Downflow Internal Filter Rack (with economizer)	DDNIFRPGMM	N/A (built into economizer)
Downflow Internal Filter Rack (no economizer)	DDNIFRPGA	DDNIFRPGA
Downflow Manual Damper	PGMDD101/102	PGMDD103
Downflow Motorized Damper	PGMDMD101/102	PGMDMD103
Downflow Square to Round	SQRPG101/102	SQRPG103
Economizer Wiring Harness (2-4 Tons)	0259L00412	0259L00412
External Horizontal Filter Rack	DPHFRA	DPHFRA
Flue Extension Kit	FLHDKT-1	FLHDKT-1
High-Altitude Kit	HA-03	HA-03
Horizontal Duct Cover	20464501PDGK	20464502PDGK
Horizontal Economizer	DHZECNJPCHM	DHZECNJPCHL
Horizontal Manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRPGH101/102	SQRPGH103
Internal Horizontal Filter Rack	DHZIFRPGCHA	DHZIFRPGCHA
LP Conversion Kit	LPM-08	LPM-08
Outdoor Thermostat with Housing	OTDFPKG-01	OTDFPKG-01
Roof Curb	D14CRBPGCHMA	D14CRBPGCHMA

*For GPGM560***41AA UNITS*

ITEM #	DESCRIPTION
0221L00014	14" Roof Curb
0270L01166	25% Manual Fresh Air Damper
0270L01165	25% Motorized Fresh Air Damper
0270L01338	Concentric Duct Adapter Kit 18"
0270L01753	Downflow Low-Leak Economizer Enthalpy
0270L01755	Downflow Ultra Low-Leak Economizer Enthalpy
0270L01757	Horizontal Ultra Low-Leak Economizer Enthalpy
0270L01250	Hurricane Restraint Clips (for 0221L00014 Roof Curb)
0270L01261	Hurricane Restraint Clips
HAKT036150	High Altitude Kit
LPHE-036072	LP Conversion Kit
HEFLUE048060	Flue Extension Kit

NOTES

Our continuing commitment to quality products may mean a change in specifications without notice.
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