Franklin
Air Conditioning & Heating

GPHM3

R-32 Packaged Heat Pump
13.4 SEER2 / 6.7 HSPF2
2 to 5 TONS

Contents

Nomenclature 2
Product Specifications 3
Expanded Cooling Data 4
Expanded Heating Data 18
Airflow Data 20
Heat Kit Electrical Specs 22
Dimensions 23
Wiring Diagrams 24
Accessories 26

ALL ALUMINUM COIL

R32

Standard Features

- Energy-efficient scroll compressor
- Multi-speed ECM indoor blower motor
- Convertible airflow: horizontal or downflow
- Copper tube/aluminum fin condenser coil
- All-Aluminum evaporator coil
- Electric heat kit available as a field-installed option
- AHRI Certified; UL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated air-handling compartment with convenient access panels
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193
- Louvered condenser coil protection
- One footprint for all tonnages
- When properly anchored, meets the 2023 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

10 YEAR PARTS LIMITED WARRANTY*

c UL us LISTED

AHRI CERTIFIED

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

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

BBB ACCREDITED BUSINESS

* Complete warranty details available from your local dealer or at www.franklinhvacsystems.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration and some of the additional requirements are not required in Florida, California, or Québec. The duration of warranty coverage in Texas and Florida differs in some cases. Other limitations and exclusions apply; refer to complete warranty details for a full list of limitations and exclusions.

G	P	H	M	3	36	3	1	A	A
1	2	3	4	5	6,7	8	9	10	11

Brand

G - Goodman Brand

Product Category

P - Packaged Unit

Unit Type

C - Air Conditioner
H - Heat Pump

Airflow

H - Horizontal
M - Multi-Position

Efficiency

3 - 13.4 SEER2
5 - 15.2 SEER2

Minor Revision

A

Major Revision

A

Electrical

1 - 208/230V single-phase, 60 Hz

Refrigerant

3 - R-32

Nominal Capacity

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

	GPHM3 2431	GPHM3 3031	GPHM3 3631	GPHM3 4231	GPHM3 4831	GPHM3 6031
Cooling Capacity						
Total BTU/h	24,000	27,400	33,400	39,000	46,500	55,000
Sensible BTU/h	18,480	21,920	25,718	29,250	34,875	39,600
SEER2	13.4	13.4	13.4	13.4	13.4	13.4
EER2	10.6	10.6	10.6	10.6	10.6	10.6
Heating Capacity						
BTU/h (47°F)	22,000	26,000	31,400	37,000	45,500	54,000
C.O.P. (47°F)	3.56	3.60	3.68	3.62	3.40	3.50
BTU/h (17°F)	12,800	15,800	16,800	22,600	25,200	33,800
C.O.P. (17°F)	2.32	2.26	2.20	2.40	2.22	2.38
HSPF2	6.70	6.70	6.70	6.70	6.70	6.70
Evaporator Fan / Coil						
Type	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9
Indoor Nominal CFM	800	1025	1150	1250	1600	1750
No. of Speeds	5	5	5	5	5	5
Indoor Blower FLA	3.8	3.8	3.8	5.4	5.4	7
Horsepower	1/2	1/2	1/2	3/4	3/4	1
Face Area (ft2)	4.55	4.55	4.55	6.20	6.20	6.2
Rows Deep / Fins per Inch	4/14	4/14	4/14	4/14	4/14	4/14
Metering Device Type	Piston	Piston	Piston	Piston	Piston	TXV
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	99	94	96	110	153	129
Condenser Fan / Coil						
Outdoor Fan FLA	1.4	1.4	1.4	1.4	2	2
Horsepower	1/4	1/4	1/4	1/4	1/3	1/3
Blade Diameter	22	22	22	22	22	22
Face Area (ft2)	12.08	12.08	12.08	15.09	19.05	19.05
Rows Deep / Fins per Inch	2/16	2/16	2/16	2/16	2/16	2/16
Metering Device Type	Piston	Piston	Piston	Piston	Piston	TXV
Compressor						
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	Single	Two
RLA	10.62	12.8	16.45	16.58	19.39	27.07
LRA	56.5	76	88	121.5	138.4	178
Electrical Data						
Phase	1	1	1	1	1	1
Voltage (Frequency 60 Hz)	208-230	208-230	208-230	208-230	208-230	208-230
Min. Circuit Ampacity	18.48	21.2	25.76	27.52	31.64	42.84
Max. Overcurrent Protection	25	30	40	40	50	60
Decibels	76	76	80	80	79	80
Operating/Shipping Weights (lbs)	380 / 390	385 / 395	385 / 420	450 / 480	460 / 490	470 / 500

Notes:
Always check the S&R plate for electrical data on the unit being installed.
Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.
Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.
Horizontal duct covers along with either a “Downflow Conversion Kit” or a “Downflow Economizer” is mandatory for all downflow installations.
See Accessories table for appropriate kit number(s)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	600	MBh	24.1	24.5	25.2	-	23.9	24.3	25.0	-	23.3	23.6	24.4	-	22.2	22.5	23.3	-	20.9	21.2	21.9	-	19.6	20.0	20.7	-
		S/T	0.52	0.44	0.31	-	0.53	0.45	0.31	-	0.55	0.47	0.34	-	1.00	0.49	0.36	-	1.00	0.52	0.38	-	1.00	0.57	0.43	-
		ΔT	19.85	18.13	14.93	-	19.80	18.08	14.88	-	20.04	18.32	15.12	-	19.78	18.07	14.86	-	19.55	17.84	14.64	-	20.63	18.91	15.71	-
		kW	1.61	1.61	1.61	-	1.81	1.81	1.80	-	2.03	2.03	2.02	-	2.26	2.26	2.26	-	2.53	2.53	2.52	-	2.84	2.84	2.84	-
		Amps	6.09	6.08	6.07	-	6.94	6.93	6.92	-	7.89	7.89	7.87	-	8.93	8.92	8.90	-	10.08	10.07	10.06	-	11.43	11.42	11.41	-
		Hi PR	245	246	248	-	284	285	287	-	325	326	328	-	369	370	372	-	417	418	420	-	468	469	470	-
		Lo PR	126	127	131	-	134	135	138	-	140	142	145	-	146	148	151	-	152	153	157	-	159	161	164	-
	800	MBh	24.7	25.1	25.8	-	24.5	24.9	25.6	-	23.9	24.2	25.0	-	22.8	23.1	23.9	-	21.4	21.8	22.5	-	20.2	20.6	21.3	-
		S/T	0.68	0.60	0.46	-	0.68	0.60	0.47	-	1.00	0.63	0.49	-	1.00	0.65	0.51	-	1.00	0.67	0.53	-	1.00	1.00	0.59	-
		ΔT	17.50	15.79	12.59	-	17.46	15.74	12.54	-	17.70	15.98	12.78	-	17.44	15.73	12.52	-	17.21	15.50	12.30	-	18.28	16.57	13.37	-
		kW	1.63	1.63	1.63	-	1.83	1.83	1.83	-	2.05	2.05	2.04	-	2.29	2.29	2.28	-	2.55	2.55	2.55	-	2.86	2.86	2.86	-
		Amps	6.19	6.18	6.17	-	7.04	7.03	7.02	-	7.99	7.99	7.97	-	9.03	9.02	9.00	-	10.18	10.17	10.16	-	11.53	11.52	11.51	-
		Hi PR	250	251	253	-	289	290	292	-	330	331	333	-	374	375	377	-	421	422	424	-	472	473	475	-
		Lo PR	130	131	134	-	137	139	142	-	144	146	149	-	150	151	155	-	156	157	160	-	163	164	167	-
	1000	MBh	25.6	25.9	26.7	-	25.4	25.7	26.4	-	24.7	25.1	25.8	-	23.6	24.0	24.7	-	22.3	22.6	23.4	-	21.1	21.4	22.1	-
		S/T	0.72	0.64	0.51	-	0.73	0.65	0.51	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	0.72	0.58	-	1.00	1.00	0.63	-
		ΔT	15.86	14.14	10.94	-	15.81	14.10	10.90	-	16.05	14.34	11.14	-	15.80	14.08	10.88	-	15.57	13.85	10.65	-	16.64	14.92	11.72	-
		kW	1.65	1.65	1.65	-	1.85	1.84	1.84	-	2.07	2.06	2.06	-	2.30	2.30	2.30	-	2.57	2.57	2.56	-	2.88	2.88	2.87	-
		Amps	6.26	6.25	6.24	-	7.11	7.10	7.09	-	8.06	8.06	8.04	-	9.10	9.09	9.07	-	10.25	10.24	10.23	-	11.60	11.59	11.58	-
		Hi PR	254	255	257	-	293	294	296	-	334	335	337	-	378	379	381	-	426	427	428	-	476	477	479	-
		Lo PR	134	136	139	-	142	143	147	-	149	150	153	-	154	156	159	-	160	162	165	-	167	169	172	-
75	600	MBh	24.2	24.5	25.2	26.3	23.9	24.3	25.0	26.1	23.3	23.6	24.4	25.5	22.2	22.6	23.3	24.4	20.9	21.2	21.9	23.1	19.6	20.0	20.7	21.8
		S/T	0.65	0.57	0.44	0.3	1.00	0.58	0.44	0.3	1.00	0.61	0.47	0.3	1.00	0.63	0.49	0.3	1.00	0.65	0.51	0.4	1.00	1.00	0.56	0.4
		ΔT	23.62	21.90	18.70	15.4	23.57	21.85	18.65	15.3	23.81	22.09	18.89	15.6	23.55	21.84	18.63	15.3	23.32	21.61	18.41	15.1	24.40	22.68	19.48	16.2
		kW	1.61	1.61	1.60	1.6	1.81	1.80	1.80	1.8	2.03	2.02	2.02	2.0	2.26	2.26	2.26	2.3	2.53	2.53	2.52	2.5	2.84	2.84	2.83	2.8
		Amps	6.08	6.07	6.06	6.1	6.94	6.93	6.91	7.0	7.89	7.88	7.87	7.9	8.92	8.91	8.90	9.0	10.07	10.07	10.05	10.1	11.43	11.42	11.40	11.5
		Hi PR	246	247	248	252.7	285	286	287	291.7	326	327	328	332.7	370	371	372	376.8	417	418	420	424.3	468	469	471	475.0
		Lo PR	126	127	131	136.2	134	135	139	144.0	140	142	145	150.8	146	148	151	156.5	152	153	157	162.2	159	161	164	169.2
	800	MBh	24.8	25.1	25.8	26.9	24.5	24.9	25.6	26.7	23.9	24.2	25.0	26.1	22.8	23.1	23.9	25.0	21.5	21.8	22.5	23.6	20.2	20.6	21.3	22.4
		S/T	0.81	0.73	0.59	0.4	1.00	0.74	0.60	0.5	1.00	0.76	0.62	0.5	1.00	0.78	0.64	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.72	0.6
		ΔT	21.27	19.56	16.36	13.0	21.23	19.51	16.31	13.0	21.47	19.75	16.55	13.2	21.21	19.50	16.29	13.0	20.98	19.27	16.07	12.7	22.05	20.34	17.14	13.8
		kW	1.63	1.63	1.63	1.6	1.83	1.83	1.82	1.8	2.05	2.05	2.04	2.1	2.29	2.28	2.28	2.3	2.55	2.55	2.55	2.6	2.86	2.86	2.86	2.9
		Amps	6.18	6.17	6.16	6.2	7.04	7.03	7.01	7.1	7.99	7.98	7.97	8.0	9.02	9.01	9.00	9.1	10.17	10.17	10.15	10.2	11.53	11.52	11.50	11.6
		Hi PR	250	251	253	257.1	289	290	292	296.2	330	331	333	337.1	374	375	377	381.2	422	423	424	428.7	472	473	475	479.5
		Lo PR	130	131	134	139.9	137	139	142	147.6	144	146	149	154.4	150	151	155	160.2	156	157	160	165.8	163	164	167	172.9
	1000	MBh	25.6	25.9	26.7	27.8	25.4	25.7	26.5	27.6	24.7	25.1	25.8	26.9	23.6	**24.0**	24.7	25.8	22.3	22.7	23.4	24.5	21.1	21.4	22.2	23.3
		S/T	1.00	0.77	0.64	0.5	1.00	0.78	0.64	0.5	1.00	0.81	0.67	0.5	1.00	**1.00**	0.69	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.76	0.6
		ΔT	19.63	17.91	14.71	11.4	19.58	17.87	14.67	11.3	19.82	18.11	14.91	11.6	19.57	**17.85**	14.65	11.3	19.34	17.62	14.42	11.1	20.41	18.69	15.49	12.2
		kW	1.65	1.65	1.64	1.7	1.85	1.84	1.84	1.9	2.06	2.06	2.06	2.1	2.30	**2.30**	2.30	2.3	2.57	2.57	2.56	2.6	2.88	2.88	2.87	2.9
		Amps	6.25	6.24	6.23	6.3	7.11	7.10	7.08	7.1	8.06	8.05	8.04	8.1	9.09	**9.08**	9.07	9.1	10.24	10.24	10.22	10.3	11.60	11.59	11.57	11.6
		Hi PR	254	255	257	261.2	293	294	296	300.3	334	335	337	341.3	378	**379**	381	385.3	426	427	429	432.9	476	478	479	483.6
		Lo PR	134	136	139	144.3	142	143	147	152.1	149	150	153	158.9	154	**156**	159	164.6	160	162	165	170.3	167	169	172	177.3

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

Expanded Cooling Data — GPHM32431 (cont.)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	600	MBh	24.3	24.6	25.4	26.5	24.1	24.4	25.1	26.3	23.4	23.8	24.5	25.6	22.3	22.7	23.4	24.5	21.0	21.3	22.1	23.2	19.8	20.1	20.8	22.0
		S/T	1.00	0.70	0.56	0.4	1.00	0.71	0.57	0.4	1.00	0.73	0.60	0.5	1.00	1.00	0.62	0.5	1.00	1.00	0.64	0.5	1.00	1.00	0.69	0.5
		ΔT	27.41	25.70	22.50	19.2	27.36	25.65	22.45	19.1	27.61	25.89	22.69	19.4	27.35	25.63	22.43	19.1	27.12	25.40	22.20	18.9	28.19	26.48	23.28	20.0
		kW	1.61	1.61	1.61	1.6	1.81	1.81	1.80	1.8	2.03	2.02	2.02	2.0	2.26	2.26	2.26	2.3	2.53	2.53	2.52	2.5	2.84	2.84	2.84	2.9
		Amps	6.09	6.08	6.06	6.1	6.94	6.93	6.92	7.0	7.89	7.89	7.87	7.9	8.92	8.92	8.90	9.0	10.08	10.07	10.06	10.1	11.43	11.42	11.41	11.5
		Hi PR	246	247	249	253.1	285	286	288	292.2	326	327	329	333.1	370	371	373	377.2	418	419	420	424.8	468	469	471	475.5
		Lo PR	126	128	131	136.7	134	136	139	144.5	141	143	146	151.3	147	148	152	157.1	152	154	157	162.7	160	161	164	169.8
	800	MBh	24.9	25.2	26.0	27.1	24.7	25.0	25.7	26.8	24.0	24.4	25.1	26.2	22.9	23.3	24.0	25.1	21.6	21.9	22.7	23.8	20.4	20.7	21.4	22.5
		S/T	1.00	0.86	0.72	0.6	1.00	0.86	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	1.00	0.7
		ΔT	25.07	23.36	20.15	16.8	25.02	23.31	20.11	16.8	25.26	23.55	20.35	17.0	25.01	23.29	20.09	16.8	24.78	23.06	19.86	16.5	25.85	24.14	20.93	17.6
		kW	1.63	1.63	1.63	1.6	1.83	1.83	1.83	1.8	2.05	2.05	2.04	2.1	2.29	2.29	2.28	2.3	2.55	2.55	2.55	2.6	2.86	2.86	2.86	2.9
		Amps	6.19	6.18	6.16	6.2	7.04	7.03	7.02	7.1	7.99	7.99	7.97	8.0	9.03	9.02	9.00	9.1	10.18	10.17	10.16	10.2	11.53	11.52	11.51	11.6
		Hi PR	250	252	253	257.6	290	291	292	296.6	330	332	333	337.6	375	376	377	381.7	422	423	425	429.2	473	474	476	479.9
		Lo PR	130	132	135	140.4	138	139	143	148.2	145	146	150	155.0	150	152	155	160.7	156	158	161	166.4	163	165	168	173.5
	1000	MBh	25.7	26.1	26.8	27.9	25.5	25.9	26.6	27.7	24.9	25.2	25.9	27.1	23.8	24.1	**24.8**	26.0	22.4	22.8	23.5	24.6	21.2	21.6	22.3	23.4
		S/T	1.00	0.90	0.76	0.6	1.00	0.91	0.77	0.6	1.00	1.00	0.80	0.7	1.00	1.00	**0.82**	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.7
		ΔT	23.43	21.71	18.51	15.2	23.38	21.66	18.46	15.1	23.62	21.90	18.70	15.4	23.36	21.65	**18.44**	15.1	23.13	21.42	18.22	14.9	24.21	22.49	19.29	16.0
		kW	1.65	1.65	1.64	1.7	1.85	1.84	1.84	1.9	2.07	2.06	2.06	2.1	2.30	2.30	**2.30**	2.3	2.57	2.57	2.56	2.6	2.88	2.88	2.87	2.9
		Amps	6.26	6.25	6.23	6.3	7.11	7.10	7.09	7.2	8.06	8.06	8.04	8.1	9.10	9.09	**9.07**	9.1	10.25	10.24	10.23	10.3	11.60	11.59	11.58	11.6
		Hi PR	255	256	257	261.7	294	295	296	300.8	335	336	337	341.7	379	380	**381**	385.8	426	427	429	433.3	477	478	480	484.1
		Lo PR	135	136	139	144.9	142	144	147	152.6	149	151	154	159.4	155	157	**160**	165.2	161	162	165	170.8	168	169	172	177.9
85	600	MBh	24.7	25.0	25.8	26.9	24.5	24.8	25.6	26.7	23.8	24.2	24.9	26.0	22.7	23.1	23.8	24.9	21.4	21.7	22.5	23.6	20.2	20.5	21.3	22.4
		S/T	1.00	0.80	0.67	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	1.00	0.6	1.00	1.00	1.00	0.6
		ΔT	30.78	29.06	25.86	22.5	30.73	29.02	25.81	22.5	30.97	29.26	26.06	22.7	30.71	29.00	25.80	22.5	30.48	28.77	25.57	22.3	31.56	29.84	26.64	23.3
		kW	1.61	1.61	1.61	1.6	1.81	1.81	1.81	1.8	2.03	2.03	2.03	2.0	2.27	2.27	2.26	2.3	2.53	2.53	2.53	2.5	2.84	2.84	2.84	2.9
		Amps	6.10	6.10	6.08	6.1	6.96	6.95	6.93	7.0	7.91	7.90	7.89	8.0	8.94	8.93	8.92	9.0	10.09	10.09	10.07	10.1	11.45	11.44	11.43	11.5
		Hi PR	247	248	250	254.3	286	287	289	293.4	327	328	330	334.3	371	372	374	378.4	419	420	422	425.9	470	471	472	476.6
		Lo PR	128	130	133	138.7	136	138	141	146.4	143	145	148	153.2	149	150	154	159.0	154	156	159	164.6	161	163	166	171.7
	800	MBh	25.3	25.6	26.4	27.5	25.1	25.4	26.1	27.3	24.4	24.8	25.5	26.6	23.3	23.7	24.4	25.5	22.0	22.3	23.1	24.2	20.8	21.1	21.8	23.0
		S/T	1.00	0.96	0.82	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	28.44	26.72	23.52	20.2	28.39	26.68	23.47	20.2	28.63	26.92	23.71	20.4	28.37	26.66	23.46	20.1	28.14	26.43	23.23	19.9	29.22	27.50	24.30	21.0
		kW	1.64	1.64	1.63	1.6	1.83	1.83	1.83	1.8	2.05	2.05	2.05	2.1	2.29	2.29	2.29	2.3	2.56	2.55	2.55	2.6	2.87	2.87	2.86	2.9
		Amps	6.20	6.20	6.18	6.2	7.06	7.05	7.03	7.1	8.01	8.00	7.99	8.1	9.04	9.03	9.02	9.1	10.19	10.19	10.17	10.2	11.55	11.54	11.53	11.6
		Hi PR	252	253	254	258.7	291	292	293	297.8	332	333	334	338.7	376	377	379	382.8	423	424	426	430.4	474	475	477	481.1
		Lo PR	132	134	137	142.3	140	141	145	150.1	147	148	151	156.9	152	154	157	162.7	158	160	163	168.3	165	167	170	175.4
	1000	MBh	26.1	26.5	27.2	28.3	25.9	26.3	27.0	28.1	25.3	25.6	26.4	27.5	24.2	24.5	25.3	26.4	22.8	23.2	23.9	25.0	21.6	22.0	22.7	23.8
		S/T	1.00	1.00	0.87	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.90	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	26.79	25.08	21.88	18.6	26.74	25.03	21.83	18.5	26.99	25.27	22.07	18.8	26.73	25.01	21.81	18.5	26.50	24.78	21.58	18.3	27.57	25.86	22.66	19.3
		kW	1.65	1.65	1.65	1.7	1.85	1.85	1.85	1.9	2.07	2.07	2.06	2.1	2.31	2.31	2.30	2.3	2.57	2.57	2.57	2.6	2.88	2.88	2.88	2.9
		Amps	6.27	6.27	6.25	6.3	7.13	7.12	7.10	7.2	8.08	8.07	8.06	8.1	9.11	9.10	9.09	9.2	10.26	10.26	10.24	10.3	11.62	11.61	11.60	11.7
		Hi PR	256	257	259	262.9	295	296	298	301.9	336	337	339	342.9	380	381	383	387.0	427	428	430	434.5	478	479	481	485.2
		Lo PR	137	138	141	146.8	144	146	149	154.5	151	153	156	161.4	157	158	162	167.1	162	164	167	172.7	170	171	174	179.8

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	800	MBh	27.6	28.0	28.9	-	27.4	27.8	28.6	-	26.7	27.1	27.9	-	25.4	25.8	26.6	-	23.9	24.3	25.1	-	22.5	22.9	23.7	-
		S/T	0.57	0.49	0.35	-	0.57	0.49	0.35	-	0.60	0.52	0.38	-	1.00	0.54	0.40	-	1.00	0.56	0.42	-	1.00	0.62	0.48	-
		ΔT	19.49	17.78	14.58	-	19.45	17.73	14.53	-	19.69	17.97	14.77	-	19.43	17.72	14.51	-	19.20	17.49	14.28	-	20.27	18.56	15.36	-
		kW	1.84	1.84	1.83	-	2.06	2.06	2.06	-	2.32	2.31	2.31	-	2.59	2.59	2.58	-	2.89	2.89	2.89	-	3.25	3.25	3.25	-
		Amps	6.87	6.86	6.85	-	7.85	7.85	7.83	-	8.95	8.94	8.93	-	10.14	10.13	10.11	-	11.46	11.46	11.44	-	13.02	13.01	13.00	-
		Hi PR	254	255	257	-	295	296	298	-	337	338	340	-	383	384	386	-	432	433	435	-	484	486	487	-
		Lo PR	126	127	131	-	134	135	138	-	140	142	145	-	146	148	151	-	152	153	157	-	159	160	164	-
	1025	MBh	28.2	28.6	29.5	-	28.0	28.4	29.2	-	27.3	27.7	28.5	-	26.0	26.4	27.2	-	24.5	24.9	25.7	-	23.1	23.5	24.3	-
		S/T	0.70	0.62	0.48	-	0.71	0.63	0.49	-	1.00	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.70	0.56	-	1.00	1.00	0.61	-
		ΔT	17.50	15.79	12.59	-	17.46	15.74	12.54	-	17.70	15.98	12.78	-	17.44	15.73	12.52	-	17.21	15.50	12.30	-	18.28	16.57	13.37	-
		kW	1.86	1.86	1.85	-	2.09	2.08	2.08	-	2.34	2.34	2.33	-	2.61	2.61	2.61	-	2.92	2.91	2.91	-	3.27	3.27	3.27	-
		Amps	6.97	6.96	6.94	-	7.95	7.94	7.93	-	9.05	9.04	9.02	-	10.24	10.23	10.21	-	11.56	11.55	11.54	-	13.12	13.11	13.09	-
		Hi PR	258	259	261	-	299	300	302	-	341	342	344	-	387	388	390	-	436	437	439	-	488	489	491	-
		Lo PR	129	131	134	-	137	138	142	-	144	145	148	-	149	151	154	-	155	157	160	-	162	164	167	-
	1200	MBh	28.9	29.3	30.1	-	28.6	29.0	29.8	-	27.9	28.3	29.1	-	26.6	27.0	27.9	-	25.1	25.5	26.3	-	23.7	24.1	24.9	-
		S/T	0.74	0.66	0.52	-	0.75	0.67	0.53	-	1.00	0.70	0.55	-	1.00	0.72	0.57	-	1.00	0.74	0.60	-	1.00	1.00	0.65	-
		ΔT	16.34	14.63	11.42	-	16.29	14.58	11.38	-	16.54	14.82	11.62	-	16.28	14.56	11.36	-	16.05	14.33	11.13	-	17.12	15.41	12.20	-
		kW	1.87	1.87	1.87	-	2.10	2.10	2.09	-	2.35	2.35	2.35	-	2.62	2.62	2.62	-	2.93	2.93	2.92	-	3.29	3.29	3.28	-
		Amps	7.03	7.02	7.00	-	8.01	8.00	7.98	-	9.11	9.10	9.08	-	10.29	10.29	10.27	-	11.62	11.61	11.59	-	13.18	13.17	13.15	-
		Hi PR	261	262	264	-	302	303	305	-	344	345	347	-	390	391	393	-	439	440	442	-	491	492	494	-
		Lo PR	132	134	137	-	140	141	145	-	147	148	151	-	152	154	157	-	158	159	163	-	165	167	170	-
75	800	MBh	27.7	28.0	28.9	30.2	27.4	27.8	28.6	29.9	26.7	27.1	27.9	29.2	25.4	25.8	26.7	27.9	23.9	24.3	25.1	26.4	22.5	22.9	23.7	25.0
		S/T	0.70	0.62	0.48	0.3	1.00	0.63	0.49	0.3	1.00	0.66	0.51	0.4	1.00	0.68	0.53	0.4	1.00	0.70	0.56	0.4	1.00	1.00	0.61	0.5
		ΔT	23.26	21.55	18.35	15.0	23.22	21.50	18.30	15.0	23.46	21.74	18.54	15.2	23.20	21.49	18.28	15.0	22.97	21.26	18.05	14.7	24.04	22.33	19.13	15.8
		kW	1.84	1.83	1.83	1.8	2.06	2.06	2.06	2.1	2.31	2.31	2.31	2.3	2.59	2.59	2.58	2.6	2.89	2.89	2.89	2.9	3.25	3.25	3.24	3.3
		Amps	6.86	6.86	6.84	6.9	7.85	7.84	7.82	7.9	8.94	8.94	8.92	9.0	10.13	10.12	10.11	10.2	11.46	11.45	11.43	11.5	13.01	13.01	12.99	13.1
		Hi PR	255	256	258	262.0	295	296	298	302.4	337	338	340	344.8	383	384	386	390.4	432	433	435	439.5	485	486	488	492.0
		Lo PR	126	128	131	136.2	134	135	138	143.9	140	142	145	150.7	146	148	151	156.4	152	153	157	162.1	159	160	164	169.1
	1025	MBh	28.3	28.7	29.5	30.8	28.0	28.4	29.2	30.5	27.3	27.7	28.5	29.8	26.0	**26.4**	27.3	28.5	24.5	24.9	25.7	27.0	23.1	23.5	24.3	25.6
		S/T	0.84	0.76	0.61	0.5	1.00	0.76	0.62	0.5	1.00	0.79	0.65	0.5	1.00	**0.81**	0.67	0.5	1.00	1.00	0.69	0.5	1.00	1.00	0.75	0.6
		ΔT	21.27	19.56	16.36	13.0	21.23	19.51	16.31	13.0	21.47	19.75	16.55	13.2	21.21	**19.50**	16.29	13.0	20.98	19.27	16.07	12.7	22.05	20.34	17.14	13.8
		kW	1.86	1.86	1.85	1.9	2.08	2.08	2.08	2.1	2.34	2.33	2.33	2.3	2.61	**2.61**	2.60	2.6	2.91	2.91	2.91	2.9	3.27	3.27	3.27	3.3
		Amps	6.96	6.95	6.94	7.0	7.95	7.94	7.92	8.0	9.04	9.03	9.02	9.1	10.23	**10.22**	10.20	10.3	11.56	11.55	11.53	11.6	13.11	13.10	13.09	13.2
		Hi PR	259	260	261	266.0	299	300	302	306.4	341	342	344	348.7	387	**388**	390	394.3	436	437	439	443.5	489	490	492	496.0
		Lo PR	129	131	134	139.4	137	138	142	147.1	144	145	149	153.9	149	**151**	154	159.7	155	157	160	165.3	162	164	167	172.3
	1200	MBh	28.9	29.3	30.1	31.4	28.6	29.0	29.9	31.1	27.9	28.3	29.1	30.4	26.7	27.0	27.9	29.1	25.1	25.5	26.3	27.6	23.7	24.1	24.9	26.2
		S/T	0.88	0.80	0.66	0.5	1.00	0.81	0.66	0.5	1.00	0.83	0.69	0.5	1.00	0.85	0.71	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.79	0.6
		ΔT	20.11	18.40	15.19	11.9	20.06	18.35	15.15	11.8	20.31	18.59	15.39	12.1	20.05	18.33	15.13	11.8	19.82	18.10	14.90	11.6	20.89	19.18	15.97	12.7
		kW	1.87	1.87	1.87	1.9	2.10	2.10	2.09	2.1	2.35	2.35	2.34	2.4	2.62	2.62	2.62	2.6	2.93	2.93	2.92	2.9	3.29	3.28	3.28	3.3
		Amps	7.02	7.01	6.99	7.1	8.00	7.99	7.98	8.1	9.10	9.09	9.07	9.1	10.29	10.28	10.26	10.3	11.61	11.61	11.59	11.7	13.17	13.16	13.14	13.2
		Hi PR	261	263	264	268.9	302	303	305	309.3	344	345	347	351.6	390	391	393	397.2	439	440	442	446.4	491	493	494	498.9
		Lo PR	132	134	137	142.3	140	141	145	150.0	147	148	151	156.8	152	154	157	162.6	158	160	163	168.2	165	167	170	175.2

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	800	MBh	27.8	28.2	29.0	30.3	27.5	27.9	28.8	30.0	26.8	27.2	28.0	29.3	25.6	26.0	26.8	28.1	24.0	24.4	25.3	26.5	22.6	23.0	23.9	25.1
		S/T	1.00	0.76	0.61	0.5	1.00	0.76	0.62	0.5	1.00	0.79	0.65	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.69	0.5	1.00	1.00	0.74	0.6
		ΔT	27.06	25.35	22.14	18.8	27.01	25.30	22.10	18.8	27.25	25.54	22.34	19.0	27.00	25.28	22.08	18.8	26.77	25.05	21.85	18.5	27.84	26.13	22.92	19.6
		kW	1.84	1.84	1.83	1.8	2.06	2.06	2.06	2.1	2.32	2.31	2.31	2.3	2.59	2.59	2.58	2.6	2.89	2.89	2.89	2.9	3.25	3.25	3.25	3.3
		Amps	6.87	6.86	6.85	6.9	7.85	7.84	7.83	7.9	8.95	8.94	8.92	9.0	10.14	10.13	10.11	10.2	11.46	11.46	11.44	11.5	13.02	13.01	12.99	13.1
		Hi PR	255	256	258	262.5	296	297	298	302.9	338	339	341	345.2	383	385	386	390.8	433	434	436	440.0	485	486	488	492.5
		Lo PR	127	128	131	136.7	134	136	139	144.5	141	143	146	151.3	147	148	152	157.0	152	154	157	162.6	159	161	164	169.7
	1025	MBh	28.4	28.8	29.6	30.9	28.2	28.5	29.4	30.7	27.4	27.8	28.7	29.9	26.2	26.6	**27.4**	28.7	24.6	25.0	25.9	27.1	23.2	23.6	24.5	25.7
		S/T	1.00	0.89	0.75	0.6	1.00	0.90	0.75	0.6	1.00	1.00	0.78	0.6	1.00	1.00	**0.80**	0.6	1.00	1.00	0.82	0.7	1.00	1.00	1.00	0.7
		ΔT	25.07	23.36	20.15	16.8	25.02	23.31	20.11	16.8	25.26	23.55	20.35	17.0	25.01	23.29	**20.09**	16.8	24.78	23.06	19.86	16.5	25.85	24.14	20.93	17.6
		kW	1.86	1.86	1.85	1.9	2.09	2.08	2.08	2.1	2.34	2.34	2.33	2.3	2.61	2.61	**2.61**	2.6	2.92	2.91	2.91	2.9	3.27	3.27	3.27	3.3
		Amps	6.97	6.96	6.94	7.0	7.95	7.94	7.93	8.0	9.05	9.04	9.02	9.1	10.23	10.23	**10.21**	10.3	11.56	11.55	11.54	11.6	13.12	13.11	13.09	13.2
		Hi PR	259	260	262	266.4	299	301	302	306.9	342	343	345	349.2	387	389	**390**	394.8	437	438	440	444.0	489	490	492	496.4
		Lo PR	130	131	135	140.0	137	139	142	147.7	144	146	149	154.5	150	152	**155**	160.2	156	157	160	165.8	163	164	167	172.9
	1200	MBh	29.0	29.4	30.3	31.5	28.8	29.2	30.0	31.3	28.0	28.4	29.3	30.5	26.8	27.2	28.0	29.3	25.3	25.7	26.5	27.8	23.9	24.3	25.1	26.4
		S/T	1.00	0.93	0.79	0.6	1.00	0.94	0.80	0.6	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.87	0.7	1.00	1.00	1.00	0.8
		ΔT	23.91	22.19	18.99	15.7	23.86	22.15	18.94	15.6	24.10	22.39	19.18	15.9	23.84	22.13	18.93	15.6	23.61	21.90	18.70	15.4	24.69	22.97	19.77	16.5
		kW	1.87	1.87	1.87	1.9	2.10	2.10	2.09	2.1	2.35	2.35	2.35	2.4	2.62	2.62	2.62	2.6	2.93	2.93	2.92	2.9	3.29	3.29	3.28	3.3
		Amps	7.02	7.02	7.00	7.1	8.01	8.00	7.98	8.1	9.10	9.10	9.08	9.2	10.29	10.28	10.27	10.3	11.62	11.61	11.59	11.7	13.17	13.17	13.15	13.2
		Hi PR	262	263	265	269.3	302	303	305	309.7	345	346	348	352.1	390	391	393	397.7	439	441	442	446.9	492	493	495	499.3
		Lo PR	133	134	137	142.9	140	142	145	150.6	147	149	152	157.4	153	154	158	163.1	159	160	163	168.7	166	167	170	175.8
85	800	MBh	28.3	28.7	29.5	30.8	28.0	28.4	29.2	30.5	27.3	27.7	28.5	29.8	26.0	26.4	27.3	28.5	24.5	24.9	25.7	27.0	23.1	23.5	24.3	25.6
		S/T	1.00	0.86	0.72	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	1.00	0.6	1.00	1.00	1.00	0.7
		ΔT	30.43	28.71	25.51	22.2	30.38	28.66	25.46	22.1	30.62	28.91	25.70	22.4	30.36	28.65	25.45	22.1	30.13	28.42	25.22	21.9	31.21	29.49	26.29	23.0
		kW	1.84	1.84	1.84	1.9	2.07	2.07	2.06	2.1	2.32	2.32	2.31	2.3	2.59	2.59	2.59	2.6	2.90	2.90	2.89	2.9	3.26	3.25	3.25	3.3
		Amps	6.89	6.88	6.86	6.9	7.87	7.86	7.85	7.9	8.97	8.96	8.94	9.0	10.16	10.15	10.13	10.2	11.48	11.47	11.46	11.5	13.04	13.03	13.01	13.1
		Hi PR	256	257	259	263.7	297	298	300	304.1	339	340	342	346.4	385	386	388	392.0	434	435	437	441.2	486	487	489	493.7
		Lo PR	128	130	133	138.6	136	138	141	146.4	143	145	148	153.2	149	150	153	158.9	154	156	159	164.5	161	163	166	171.6
	1025	MBh	28.9	29.3	30.1	31.4	28.6	29.0	29.8	31.1	27.9	28.3	29.1	30.4	26.6	27.0	27.9	29.1	25.1	25.5	26.3	27.6	23.7	24.1	24.9	26.2
		S/T	1.00	1.00	0.85	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.89	0.7	1.00	1.00	0.91	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	28.44	26.72	23.52	20.2	28.39	26.68	23.47	20.2	28.63	26.92	23.71	20.4	28.37	26.66	23.46	20.1	28.14	26.43	23.23	19.9	29.22	27.50	24.30	21.0
		kW	1.86	1.86	1.86	1.9	2.09	2.09	2.08	2.1	2.34	2.34	2.34	2.4	2.62	2.61	2.61	2.6	2.92	2.92	2.91	2.9	3.28	3.28	3.27	3.3
		Amps	6.99	6.98	6.96	7.0	7.97	7.96	7.94	8.0	9.07	9.06	9.04	9.1	10.25	10.25	10.23	10.3	11.58	11.57	11.56	11.6	13.14	13.13	13.11	13.2
		Hi PR	260	261	263	267.6	301	302	304	308.1	343	344	346	350.4	389	390	392	396.0	438	439	441	445.2	490	491	493	497.6
		Lo PR	132	133	136	141.9	139	141	144	149.6	146	148	151	156.4	152	153	157	162.1	158	159	162	167.8	165	166	169	174.8
	1200	MBh	29.5	29.9	30.7	32.0	29.2	29.6	30.5	31.7	28.5	28.9	29.7	31.0	27.3	27.7	28.5	29.8	25.7	26.1	27.0	28.2	24.3	24.7	25.6	26.8
		S/T	1.00	1.00	0.90	0.7	1.00	1.00	0.90	0.8	1.00	1.00	0.93	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.9
		ΔT	27.27	25.56	22.36	19.0	27.23	25.51	22.31	19.0	27.47	25.75	22.55	19.2	27.21	25.49	22.29	19.0	26.98	25.26	22.06	18.7	28.05	26.34	23.14	19.8
		kW	1.88	1.88	1.87	1.9	2.10	2.10	2.10	2.1	2.36	2.35	2.35	2.4	2.63	2.63	2.62	2.6	2.93	2.93	2.93	2.9	3.29	3.29	3.29	3.3
		Amps	7.04	7.04	7.02	7.1	8.03	8.02	8.00	8.1	9.12	9.12	9.10	9.2	10.31	10.30	10.29	10.4	11.64	11.63	11.61	11.7	13.19	13.19	13.17	13.2
		Hi PR	263	264	266	270.5	304	305	306	311.0	346	347	349	353.3	392	393	394	398.9	441	442	444	448.1	493	494	496	500.5
		Lo PR	135	136	139	144.8	142	144	147	152.5	149	151	154	159.3	155	156	160	165.0	160	162	165	170.7	167	169	172	177.7

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

Expanded Cooling Data — GPHM33631

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	900	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	-	27.4	27.9	28.9	-
		S/T	0.55	0.47	0.33	-	0.56	0.48	0.34	-	0.58	0.50	0.37	-	0.60	0.52	0.39	-	1.00	0.55	0.41	-	1.00	0.60	0.46	-
		ΔT	19.47	17.76	14.55	-	19.42	17.71	14.51	-	19.66	17.95	14.75	-	19.41	17.69	14.49	-	19.18	17.46	14.26	-	20.25	18.54	15.33	-
		kW	2.23	2.22	2.22	-	2.51	2.50	2.50	-	2.82	2.82	2.81	-	3.16	3.15	3.15	-	3.53	3.53	3.53	-	3.98	3.97	3.97	-
		Amps	8.26	8.25	8.23	-	9.47	9.46	9.44	-	10.83	10.82	10.80	-	12.30	12.29	12.27	-	13.94	13.93	13.91	-	15.87	15.86	15.84	-
		Hi PR	267	268	270	-	310	311	313	-	354	355	357	-	402	403	405	-	454	455	457	-	509	510	512	-
		Lo PR	123	125	128	-	131	132	136	-	137	139	142	-	143	145	148	-	149	150	153	-	155	157	160	-
	1150	MBh	34.4	34.9	35.9	-	34.1	34.6	35.6	-	33.2	33.7	34.7	-	31.7	32.2	33.2	-	29.8	30.3	31.3	-	28.1	28.6	29.6	-
		S/T	0.68	0.60	0.46	-	0.68	0.60	0.47	-	0.71	0.63	0.49	-	1.00	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.72	0.59	-
		ΔT	17.50	15.79	12.59	-	17.46	15.74	12.54	-	17.70	15.98	12.78	-	17.44	15.73	12.52	-	17.21	15.50	12.30	-	18.28	16.57	13.37	-
		kW	2.25	2.25	2.25	-	2.53	2.53	2.53	-	2.85	2.84	2.84	-	3.18	3.18	3.18	-	3.56	3.56	3.55	-	4.00	4.00	4.00	-
		Amps	8.38	8.37	8.35	-	9.59	9.58	9.56	-	10.95	10.94	10.92	-	12.42	12.41	12.39	-	14.06	14.05	14.03	-	15.99	15.98	15.96	-
		Hi PR	271	273	274	-	314	315	317	-	358	360	361	-	406	407	409	-	458	459	461	-	513	514	516	-
		Lo PR	126	128	131	-	134	135	139	-	141	142	145	-	146	148	151	-	152	153	156	-	159	160	163	-
	1400	MBh	35.4	35.9	36.9	-	35.1	35.6	36.6	-	34.2	34.7	35.7	-	32.7	33.2	34.2	-	30.8	31.3	32.3	-	29.1	29.6	30.6	-
		S/T	0.72	0.64	0.51	-	0.73	0.65	0.51	-	1.00	0.67	0.54	-	1.00	0.69	0.56	-	1.00	0.72	0.58	-	1.00	1.00	0.63	-
		ΔT	16.05	14.34	11.14	-	16.01	14.29	11.09	-	16.25	14.53	11.33	-	15.99	14.28	11.07	-	15.76	14.05	10.84	-	16.83	15.12	11.92	-
		kW	2.27	2.27	2.27	-	2.55	2.55	2.55	-	2.87	2.86	2.86	-	3.20	3.20	3.20	-	3.58	3.58	3.57	-	4.02	4.02	4.02	-
		Amps	8.46	8.45	8.43	-	9.68	9.67	9.65	-	11.04	11.03	11.01	-	12.51	12.50	12.48	-	14.15	14.14	14.12	-	16.08	16.07	16.05	-
		Hi PR	275	276	278	-	318	319	321	-	362	363	365	-	410	411	413	-	462	463	465	-	517	518	520	-
		Lo PR	130	132	135	-	138	139	142	-	144	146	149	-	150	151	155	-	155	157	160	-	162	164	167	-
75	900	MBh	33.7	34.2	35.2	36.8	33.4	33.9	34.9	36.5	32.5	33.0	34.0	35.6	31.0	31.5	32.5	34.0	29.1	29.6	30.6	32.2	27.4	27.9	28.9	30.5
		S/T	0.68	0.60	0.46	0.3	0.69	0.61	0.47	0.3	1.00	0.63	0.50	0.4	1.00	0.65	0.52	0.4	1.00	0.68	0.54	0.4	1.00	1.00	0.59	0.4
		ΔT	23.24	21.53	18.32	15.0	23.19	21.48	18.28	15.0	23.43	21.72	18.52	15.2	23.18	21.46	18.26	14.9	22.95	21.23	18.03	14.7	24.02	22.31	19.10	15.8
		kW	2.22	2.22	2.22	2.2	2.50	2.50	2.50	2.5	2.82	2.81	2.81	2.8	3.15	3.15	3.15	3.2	3.53	3.53	3.52	3.5	3.97	3.97	3.97	4.0
		Amps	8.25	8.24	8.22	8.3	9.46	9.45	9.43	9.5	10.82	10.81	10.79	10.9	12.29	12.28	12.26	12.4	13.93	13.92	13.90	14.0	15.86	15.85	15.83	15.9
		Hi PR	268	269	271	275.3	310	311	313	317.7	354	356	358	362.2	402	404	405	410.1	454	455	457	461.8	509	510	512	516.9
		Lo PR	123	125	128	133.3	131	132	136	140.8	137	139	142	147.5	143	145	148	153.1	149	150	153	158.6	155	157	160	165.5
	1150	MBh	34.4	34.9	35.9	37.5	34.1	34.6	35.6	37.2	33.3	33.7	34.8	36.3	31.7	**32.2**	33.2	34.8	29.9	30.3	31.4	32.9	28.2	28.6	29.7	31.2
		S/T	0.81	0.73	0.59	0.4	1.00	0.74	0.60	0.5	1.00	0.76	0.62	0.5	1.00	**0.78**	0.64	0.5	1.00	0.80	0.67	0.5	1.00	1.00	0.72	0.6
		ΔT	21.27	19.56	16.36	13.0	21.23	19.51	16.31	13.0	21.47	19.75	16.55	13.2	21.21	**19.50**	16.29	13.0	20.98	19.27	16.07	12.7	22.05	20.34	17.14	13.8
		kW	2.25	2.25	2.24	2.3	2.53	2.53	2.52	2.5	2.84	2.84	2.84	2.9	3.18	**3.18**	3.17	3.2	3.56	3.56	3.55	3.6	4.00	4.00	4.00	4.0
		Amps	8.37	8.36	8.34	8.4	9.58	9.57	9.55	9.6	10.94	10.93	10.91	11.0	12.41	**12.40**	12.38	12.5	14.05	14.04	14.02	14.1	15.98	15.97	15.95	16.0
		Hi PR	272	273	275	279.4	314	315	317	321.9	359	360	362	366.3	406	**408**	410	414.2	458	459	461	465.9	513	514	516	521.0
		Lo PR	126	128	131	136.4	134	135	139	144.0	141	142	145	150.6	146	**148**	151	156.2	152	153	156	161.7	159	160	163	168.6
	1400	MBh	35.4	35.9	36.9	38.5	35.1	35.6	36.6	38.2	34.3	34.7	35.8	37.3	32.7	33.2	34.2	35.8	30.9	31.3	32.4	33.9	29.2	29.6	30.7	32.2
		S/T	0.85	0.77	0.64	0.5	1.00	0.78	0.64	0.5	1.00	0.81	0.67	0.5	1.00	0.83	0.69	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.76	0.6
		ΔT	19.82	18.11	14.91	11.6	19.78	18.06	14.86	11.5	20.02	18.30	15.10	11.8	19.76	18.05	14.84	11.5	19.53	17.82	14.61	11.3	20.60	18.89	15.69	12.4
		kW	2.27	2.27	2.26	2.3	2.55	2.55	2.54	2.6	2.86	2.86	2.86	2.9	3.20	3.20	3.19	3.2	3.58	3.58	3.57	3.6	4.02	4.02	4.02	4.0
		Amps	8.46	8.45	8.43	8.5	9.67	9.66	9.64	9.7	11.03	11.02	11.00	11.1	12.50	12.49	12.47	12.6	14.14	14.13	14.11	14.2	16.07	16.06	16.04	16.1
		Hi PR	276	277	279	283.3	318	319	321	325.7	362	364	366	370.2	410	412	413	418.1	462	463	465	469.8	517	518	520	524.9
		Lo PR	130	132	135	140.1	138	139	142	147.7	144	146	149	154.3	150	151	155	159.9	155	157	160	165.4	162	164	167	172.3

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

Expanded Cooling Data — GPHM33631 (cont.)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	900	MBh	33.9	34.4	35.4	36.9	33.6	34.1	35.1	36.6	32.7	33.2	34.2	35.7	31.2	31.7	32.7	34.2	29.3	29.8	30.8	32.4	27.6	28.1	29.1	30.7
		S/T	1.00	0.73	0.59	0.4	1.00	0.74	0.60	0.5	1.00	0.76	0.62	0.5	1.00	0.78	0.64	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.72	0.6
		ΔT	27.04	25.32	22.12	18.8	26.99	25.27	22.07	18.8	27.23	25.52	22.31	19.0	26.97	25.26	22.06	18.7	26.74	25.03	21.83	18.5	27.82	26.10	22.90	19.6
		kW	2.23	2.22	2.22	2.2	2.51	2.50	2.50	2.5	2.82	2.82	2.81	2.8	3.16	3.15	3.15	3.2	3.53	3.53	3.53	3.5	3.98	3.97	3.97	4.0
		Amps	8.25	8.24	8.22	8.3	9.47	9.46	9.44	9.5	10.83	10.82	10.80	10.9	12.30	12.29	12.27	12.4	13.94	13.93	13.91	14.0	15.87	15.86	15.84	15.9
		Hi PR	268	269	271	275.8	310	312	314	318.2	355	356	358	362.7	403	404	406	410.6	455	456	458	462.3	510	511	513	517.4
		Lo PR	124	125	129	133.8	131	133	136	141.4	138	140	143	148.0	144	145	148	153.6	149	151	154	159.1	156	158	161	166.0
	1150	MBh	34.6	35.1	36.1	37.7	34.3	34.8	35.8	37.4	33.4	33.9	34.9	36.5	31.9	32.4	**33.4**	35.0	30.0	30.5	31.5	33.1	28.3	28.8	29.8	31.4
		S/T	1.00	0.86	0.72	0.6	1.00	0.86	0.73	0.6	1.00	0.89	0.75	0.6	1.00	1.00	**0.77**	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.84	0.7
		ΔT	25.07	23.36	20.15	16.8	25.02	23.31	20.11	16.8	25.26	23.55	20.35	17.0	25.01	23.29	**20.09**	16.8	24.78	23.06	19.86	16.5	25.85	24.14	20.93	17.6
		kW	2.25	2.25	2.25	2.3	2.53	2.53	2.53	2.5	2.85	2.84	2.84	2.9	3.18	3.18	**3.18**	3.2	3.56	3.56	3.55	3.6	4.00	4.00	4.00	4.0
		Amps	8.37	8.36	8.34	8.4	9.59	9.58	9.56	9.7	10.95	10.94	10.92	11.0	12.42	12.41	**12.39**	12.5	14.06	14.05	14.03	14.1	15.99	15.98	15.96	16.0
		Hi PR	272	273	275	279.9	315	316	318	322.4	359	360	362	366.8	407	408	**410**	414.7	459	460	462	466.4	514	515	517	521.5
		Lo PR	127	128	132	136.9	134	136	139	144.5	141	143	146	151.1	147	148	**151**	156.8	152	154	157	162.3	159	161	164	169.1
	1400	MBh	35.6	36.1	37.1	38.7	35.3	35.8	36.8	38.4	34.4	34.9	35.9	37.5	32.9	33.4	34.4	36.0	31.0	31.5	32.5	34.1	29.3	29.8	30.8	32.4
		S/T	1.00	0.90	0.76	0.6	1.00	0.91	0.77	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.7
		ΔT	23.62	21.91	18.70	15.4	23.57	21.86	18.66	15.3	23.81	22.10	18.90	15.6	23.56	21.84	18.64	15.3	23.33	21.61	18.41	15.1	24.40	22.69	19.48	16.2
		kW	2.27	2.27	2.27	2.3	2.55	2.55	2.55	2.6	2.87	2.86	2.86	2.9	3.20	3.20	3.20	3.2	3.58	3.58	3.57	3.6	4.02	4.02	4.02	4.0
		Amps	8.46	8.45	8.43	8.5	9.68	9.67	9.65	9.7	11.04	11.03	11.01	11.1	12.51	12.50	12.48	12.6	14.15	14.14	14.12	14.2	16.07	16.06	16.04	16.1
		Hi PR	276	277	279	283.8	318	320	322	326.2	363	364	366	370.7	411	412	414	418.6	463	464	466	470.3	518	519	521	525.4
		Lo PR	131	132	135	140.6	138	140	143	148.2	145	146	150	154.8	150	152	155	160.5	156	157	161	166.0	163	164	168	172.9
85	900	MBh	34.5	34.9	36.0	37.5	34.2	34.6	35.7	37.2	33.3	33.8	34.8	36.3	31.7	32.2	33.2	34.8	29.9	30.4	31.4	32.9	28.2	28.7	29.7	31.2
		S/T	1.00	0.83	0.69	0.5	1.00	0.84	0.70	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	1.00	0.7
		ΔT	30.40	28.69	25.49	22.2	30.36	28.64	25.44	22.1	30.60	28.88	25.68	22.4	30.34	28.62	25.42	22.1	30.11	28.39	25.19	21.9	31.18	29.47	26.27	22.9
		kW	2.23	2.23	2.22	2.2	2.51	2.51	2.50	2.5	2.82	2.82	2.82	2.8	3.16	3.16	3.15	3.2	3.54	3.54	3.53	3.6	3.98	3.98	3.97	4.0
		Amps	8.28	8.27	8.25	8.3	9.49	9.48	9.46	9.6	10.85	10.84	10.82	10.9	12.32	12.31	12.29	12.4	13.96	13.95	13.93	14.0	15.89	15.88	15.86	16.0
		Hi PR	269	270	272	277.0	312	313	315	319.5	356	357	359	364.0	404	405	407	411.9	456	457	459	463.5	511	512	514	518.7
		Lo PR	126	127	130	135.7	133	135	138	143.2	140	141	145	149.9	145	147	150	155.5	151	153	156	161.0	158	159	163	167.9
	1150	MBh	35.2	35.7	36.7	38.2	34.9	35.4	36.4	37.9	34.0	34.5	35.5	37.0	32.5	33.0	34.0	35.5	30.6	31.1	32.1	33.7	28.9	29.4	30.4	32.0
		S/T	1.00	0.96	0.82	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	28.44	26.72	23.52	20.2	28.39	26.68	23.47	20.2	28.63	26.92	23.71	20.4	28.37	26.66	23.46	20.1	28.14	26.43	23.23	19.9	29.22	27.50	24.30	21.0
		kW	2.26	2.26	2.25	2.3	2.54	2.54	2.53	2.6	2.85	2.85	2.84	2.9	3.19	3.19	3.18	3.2	3.57	3.56	3.56	3.6	4.01	4.01	4.00	4.0
		Amps	8.40	8.39	8.37	8.5	9.61	9.60	9.58	9.7	10.97	10.96	10.94	11.0	12.44	12.43	12.41	12.5	14.08	14.07	14.05	14.1	16.01	16.00	15.98	16.1
		Hi PR	273	275	276	281.2	316	317	319	323.6	360	362	363	368.1	408	409	411	416.0	460	461	463	467.7	515	516	518	522.8
		Lo PR	129	130	133	138.8	136	138	141	146.4	143	145	148	153.0	149	150	153	158.6	154	156	159	164.1	161	163	166	171.0
	1400	MBh	36.2	36.7	37.7	39.2	35.9	36.4	37.4	38.9	35.0	35.5	36.5	38.1	33.5	34.0	35.0	36.5	31.6	32.1	33.1	34.7	29.9	30.4	31.4	33.0
		S/T	1.00	1.00	0.87	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.90	0.8	1.00	1.00	0.92	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	26.99	25.27	22.07	18.8	26.94	25.22	22.02	18.7	27.18	25.47	22.26	18.9	26.92	25.21	22.01	18.7	26.69	24.98	21.78	18.5	27.77	26.05	22.85	19.5
		kW	2.28	2.28	2.27	2.3	2.56	2.56	2.55	2.6	2.87	2.87	2.86	2.9	3.21	3.21	3.20	3.2	3.59	3.58	3.58	3.6	4.03	4.03	4.02	4.0
		Amps	8.49	8.48	8.45	8.5	9.70	9.69	9.67	9.8	11.06	11.05	11.03	11.1	12.53	12.52	12.50	12.6	14.17	14.16	14.14	14.2	16.10	16.09	16.07	16.2
		Hi PR	277	278	280	285.0	320	321	323	327.5	364	365	367	372.0	412	413	415	419.9	464	465	467	471.5	519	520	522	526.7
		Lo PR	132	134	137	142.5	140	142	145	150.1	147	148	151	156.7	152	154	157	162.3	158	159	163	167.8	165	166	169	174.7

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

Expanded Cooling Data — GPHM34231

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1000	MBh	39.4	40.0	41.2	-	39.1	39.6	40.8	-	38.0	38.6	39.8	-	36.2	36.8	38.0	-	34.1	34.6	35.8	-	32.1	32.6	33.8	-
		S/T	0.55	0.47	0.34	-	0.55	0.48	0.35	-	0.58	0.50	0.37	-	0.60	0.52	0.39	-	1.00	0.54	0.41	-	1.00	0.60	0.46	-
		ΔT	19.28	17.57	14.37	-	19.24	17.52	14.32	-	19.48	17.76	14.56	-	19.22	17.50	14.30	-	18.99	17.27	14.07	-	20.06	18.35	15.15	-
		kW	2.60	2.59	2.59	-	2.92	2.92	2.92	-	3.29	3.29	3.28	-	3.69	3.69	3.68	-	4.13	4.13	4.12	-	4.65	4.65	4.64	-
		Amps	9.88	9.86	9.84	-	11.30	11.29	11.27	-	12.90	12.89	12.86	-	14.62	14.61	14.59	-	16.55	16.54	16.51	-	18.81	18.80	18.78	-
		Hi PR	258	260	261	-	299	301	302	-	342	344	345	-	389	390	392	-	439	440	442	-	492	493	495	-
		Lo PR	122	124	127	-	130	131	134	-	136	138	141	-	142	143	146	-	147	149	152	-	154	155	159	-
	1250	MBh	40.2	40.8	41.9	-	39.8	40.4	41.6	-	38.8	39.4	40.6	-	37.0	37.6	38.8	-	34.8	35.4	36.6	-	32.9	33.4	34.6	-
		S/T	0.66	0.58	0.45	-	0.66	0.59	0.45	-	0.69	0.61	0.48	-	1.00	0.63	0.50	-	1.00	0.65	0.52	-	1.00	0.71	0.57	-
		ΔT	17.50	15.79	12.59	-	17.46	15.74	12.54	-	17.70	15.98	12.78	-	17.44	15.73	12.52	-	17.21	15.50	12.30	-	18.28	16.57	13.37	-
		kW	2.63	2.62	2.62	-	2.95	2.95	2.95	-	3.32	3.32	3.31	-	3.72	3.71	3.71	-	4.16	4.16	4.15	-	4.68	4.68	4.67	-
		Amps	10.00	9.99	9.97	-	11.43	11.42	11.40	-	13.02	13.01	12.99	-	14.75	14.74	14.71	-	16.68	16.67	16.64	-	18.94	18.93	18.90	-
		Hi PR	262	263	265	-	303	304	306	-	346	347	349	-	392	393	395	-	442	443	445	-	495	497	498	-
		Lo PR	125	126	130	-	132	134	137	-	139	140	144	-	144	146	149	-	150	151	155	-	157	158	161	-
	1500	MBh	41.3	41.8	43.0	-	40.9	41.5	42.7	-	39.9	40.4	41.6	-	38.1	38.6	39.8	-	35.9	36.5	37.7	-	33.9	34.5	35.7	-
		S/T	0.70	0.63	0.49	-	0.71	0.63	0.50	-	0.73	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	0.75	0.61	-
		ΔT	16.16	14.45	11.24	-	16.11	14.40	11.20	-	16.35	14.64	11.44	-	16.10	14.38	11.18	-	15.87	14.15	10.95	-	16.94	15.23	12.02	-
		kW	2.65	2.65	2.64	-	2.98	2.97	2.97	-	3.34	3.34	3.33	-	3.74	3.74	3.73	-	4.18	4.18	4.17	-	4.70	4.70	4.69	-
		Amps	10.10	10.09	10.06	-	11.53	11.52	11.49	-	13.12	13.11	13.08	-	14.85	14.83	14.81	-	16.77	16.76	16.74	-	19.03	19.02	19.00	-
		Hi PR	266	267	268	-	307	308	309	-	350	351	352	-	396	397	399	-	446	447	449	-	499	500	502	-
		Lo PR	128	130	133	-	136	137	140	-	142	144	147	-	148	149	152	-	153	155	158	-	160	162	165	-
75	1000	MBh	39.4	40.0	41.2	43.0	39.1	39.6	40.8	42.6	38.0	38.6	39.8	41.6	36.3	36.8	38.0	39.8	34.1	34.6	35.8	37.6	32.1	32.6	33.8	35.6
		S/T	0.68	0.60	0.47	0.3	0.68	0.61	0.47	0.3	1.00	0.63	0.50	0.4	1.00	0.65	0.52	0.4	1.00	0.67	0.54	0.4	1.00	1.00	0.59	0.4
		ΔT	23.05	21.34	18.14	14.8	23.01	21.29	18.09	14.8	23.25	21.53	18.33	15.0	22.99	21.27	18.07	14.8	22.76	21.04	17.84	14.5	23.83	22.12	18.92	15.6
		kW	2.59	2.59	2.59	2.6	2.92	2.92	2.91	2.9	3.29	3.29	3.28	3.3	3.69	3.68	3.68	3.7	4.13	4.13	4.12	4.1	4.65	4.65	4.64	4.7
		Amps	9.87	9.85	9.83	9.9	11.29	11.28	11.26	11.4	12.89	12.88	12.85	13.0	14.61	14.60	14.58	14.7	16.54	16.53	16.51	16.6	18.80	18.79	18.77	18.9
		Hi PR	259	260	262	266.2	300	301	303	307.2	343	344	346	350.1	389	390	392	396.4	439	440	442	446.3	492	493	495	499.5
		Lo PR	122	124	127	132.0	130	131	134	139.5	136	138	141	146.0	142	143	146	151.6	147	149	152	157.0	154	155	159	163.8
	1250	MBh	40.2	40.8	42.0	43.8	39.9	40.4	41.6	43.4	38.8	39.4	40.6	42.4	37.0	**37.6**	38.8	40.6	34.9	35.4	36.6	38.4	32.9	33.4	34.6	36.4
		S/T	0.79	0.71	0.58	0.4	0.79	0.72	0.58	0.4	1.00	0.74	0.61	0.5	1.00	**0.76**	0.63	0.5	1.00	0.78	0.65	0.5	1.00	1.00	0.70	0.6
		ΔT	21.27	19.56	16.36	13.0	21.23	19.51	16.31	13.0	21.47	19.75	16.55	13.2	21.21	**19.50**	16.29	13.0	20.98	19.27	16.07	12.7	22.05	20.34	17.14	13.8
		kW	2.62	2.62	2.62	2.6	2.95	2.95	2.94	3.0	3.32	3.32	3.31	3.3	3.72	**3.71**	3.71	3.7	4.16	4.16	4.15	4.2	4.68	4.68	4.67	4.7
		Amps	9.99	9.98	9.96	10.1	11.42	11.41	11.39	11.5	13.02	13.00	12.98	13.1	14.74	**14.73**	14.71	14.8	16.67	16.66	16.63	16.7	18.93	18.92	18.89	19.0
		Hi PR	262	263	265	269.8	303	304	306	310.8	346	347	349	353.8	393	**394**	396	400.0	442	444	445	449.9	496	497	499	503.1
		Lo PR	125	126	130	134.8	132	134	137	142.3	139	140	144	148.9	145	**146**	149	154.4	150	151	155	159.9	157	158	161	166.7
	1500	MBh	41.3	41.8	43.0	44.8	40.9	41.5	42.7	44.5	39.9	40.5	41.6	43.4	38.1	38.7	39.9	41.7	35.9	36.5	37.7	39.5	33.9	34.5	35.7	37.5
		S/T	0.83	0.75	0.62	0.5	1.00	0.76	0.63	0.5	1.00	0.78	0.65	0.5	1.00	0.80	0.67	0.5	1.00	1.00	0.69	0.5	1.00	1.00	0.74	0.6
		ΔT	19.93	18.22	15.01	11.7	19.88	18.17	14.97	11.7	20.12	18.41	15.21	11.9	19.87	18.15	14.95	11.6	19.64	17.92	14.72	11.4	20.71	19.00	15.79	12.5
		kW	2.65	2.64	2.64	2.7	2.97	2.97	2.97	3.0	3.34	3.34	3.33	3.4	3.74	3.73	3.73	3.8	4.18	4.18	4.17	4.2	4.70	4.70	4.69	4.7
		Amps	10.09	10.08	10.05	10.2	11.52	11.51	11.48	11.6	13.11	13.10	13.08	13.2	14.84	14.83	14.80	14.9	16.76	16.75	16.73	16.8	19.03	19.01	18.99	19.1
		Hi PR	266	267	269	273.2	307	308	310	314.3	350	351	353	357.2	396	397	399	403.5	446	447	449	453.4	499	500	502	506.6
		Lo PR	128	130	133	138.2	136	137	140	145.7	142	144	147	152.2	148	149	153	157.8	153	155	158	163.2	160	162	165	170.0

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1000	MBh	39.6	40.2	41.4	43.2	39.3	39.8	41.0	42.8	38.2	38.8	40.0	41.8	36.5	37.0	38.2	40.0	34.3	34.8	36.0	37.8	32.3	32.9	34.0	35.8
		S/T	1.00	0.72	0.59	0.4	1.00	0.73	0.60	0.5	1.00	0.76	0.62	0.5	1.00	0.77	0.64	0.5	1.00	1.00	0.66	0.5	1.00	1.00	0.71	0.6
		ΔT	26.85	25.13	21.93	18.6	26.80	25.09	21.88	18.6	27.04	25.33	22.13	18.8	26.78	25.07	21.87	18.6	26.55	24.84	21.64	18.3	27.63	25.91	22.71	19.4
		kW	2.60	2.59	2.59	2.6	2.92	2.92	2.92	2.9	3.29	3.29	3.28	3.3	3.69	3.69	3.68	3.7	4.13	4.13	4.12	4.1	4.65	4.65	4.64	4.7
		Amps	9.87	9.86	9.84	9.9	11.30	11.29	11.27	11.4	12.90	12.88	12.86	13.0	14.62	14.61	14.59	14.7	16.55	16.54	16.51	16.6	18.81	18.80	18.77	18.9
		Hi PR	259	260	262	266.6	300	301	303	307.7	343	344	346	350.6	389	391	392	396.9	439	440	442	446.7	492	494	495	500.0
		Lo PR	123	124	127	132.5	130	132	135	140.0	137	138	141	146.6	142	144	147	152.1	148	149	152	157.6	154	156	159	164.4
	1250	MBh	40.4	41.0	42.2	44.0	40.1	40.6	41.8	43.6	39.0	39.6	40.8	42.6	37.3	37.8	**39.0**	40.8	35.1	35.6	36.8	38.6	33.1	33.6	34.8	36.6
		S/T	1.00	0.83	0.70	0.6	1.00	0.84	0.71	0.6	1.00	0.86	0.73	0.6	1.00	1.00	**0.75**	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.82	0.7
		ΔT	25.07	23.36	20.15	16.8	25.02	23.31	20.11	16.8	25.26	23.55	20.35	17.0	25.01	23.29	**20.09**	16.8	24.78	23.06	19.86	16.5	25.85	24.14	20.93	17.6
		kW	2.63	2.62	2.62	2.6	2.95	2.95	2.95	3.0	3.32	3.32	3.31	3.3	3.72	3.71	**3.71**	3.7	4.16	4.16	4.15	4.2	4.68	4.68	4.67	4.7
		Amps	10.00	9.99	9.97	10.1	11.43	11.42	11.39	11.5	13.02	13.01	12.99	13.1	14.75	14.74	**14.71**	14.8	16.68	16.66	16.64	16.7	18.94	18.93	18.90	19.0
		Hi PR	263	264	266	270.3	304	305	307	311.3	347	348	350	354.2	393	394	**396**	400.5	443	444	446	450.4	496	497	499	503.6
		Lo PR	125	127	130	135.4	133	134	138	142.9	140	141	144	149.4	145	147	**150**	155.0	151	152	155	160.4	157	159	162	167.2
	1500	MBh	41.5	42.0	43.2	45.0	41.1	41.7	42.9	44.7	40.1	40.7	41.8	43.7	38.3	38.9	40.1	41.9	36.1	36.7	37.9	39.7	34.1	34.7	35.9	37.7
		S/T	1.00	0.88	0.74	0.6	1.00	0.88	0.75	0.6	1.00	0.91	0.77	0.6	1.00	1.00	0.79	0.7	1.00	1.00	0.81	0.7	1.00	1.00	0.87	0.7
		ΔT	23.73	22.01	18.81	15.5	23.68	21.96	18.76	15.4	23.92	22.21	19.00	15.7	23.66	21.95	18.75	15.4	23.43	21.72	18.52	15.2	24.51	22.79	19.59	16.3
		kW	2.65	2.64	2.64	2.7	2.98	2.97	2.97	3.0	3.34	3.34	3.33	3.4	3.74	3.74	3.73	3.8	4.18	4.18	4.17	4.2	4.70	4.70	4.69	4.7
		Amps	10.10	10.09	10.06	10.2	11.52	11.51	11.49	11.6	13.12	13.11	13.08	13.2	14.84	14.83	14.81	14.9	16.77	16.76	16.74	16.8	19.03	19.02	19.00	19.1
		Hi PR	266	267	269	273.7	307	308	310	314.7	350	351	353	357.7	396	398	399	404.0	446	447	449	453.8	500	501	503	507.1
		Lo PR	129	130	133	138.7	136	138	141	146.2	143	144	148	152.8	148	150	153	158.3	154	155	159	163.7	161	162	165	170.6
85	1000	MBh	40.3	40.9	42.0	43.9	39.9	40.5	41.7	43.5	38.9	39.5	40.7	42.5	37.1	37.7	38.9	40.7	35.0	35.5	36.7	38.5	33.0	33.5	34.7	36.5
		S/T	1.00	0.82	0.69	0.5	1.00	0.83	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	1.00	0.7
		ΔT	30.21	28.50	25.30	22.0	30.17	28.45	25.25	21.9	30.41	28.69	25.49	22.2	30.15	28.43	25.23	21.9	29.92	28.21	25.00	21.7	30.99	29.28	26.08	22.8
		kW	2.60	2.60	2.59	2.6	2.93	2.93	2.92	2.9	3.30	3.29	3.29	3.3	3.69	3.69	3.69	3.7	4.14	4.13	4.13	4.2	4.66	4.65	4.65	4.7
		Amps	9.90	9.89	9.87	10.0	11.33	11.32	11.29	11.4	12.92	12.91	12.89	13.0	14.65	14.64	14.61	14.7	16.58	16.56	16.54	16.6	18.84	18.83	18.80	18.9
		Hi PR	260	262	263	267.9	301	303	304	308.9	344	345	347	351.8	391	392	394	398.1	440	442	443	448.0	494	495	497	501.2
		Lo PR	124	126	129	134.4	132	133	137	141.9	139	140	143	148.4	144	146	149	154.0	150	151	154	159.4	156	158	161	166.2
	1250	MBh	41.1	41.7	42.8	44.7	40.7	41.3	42.5	44.3	39.7	40.3	41.5	43.3	37.9	38.5	39.7	41.5	35.7	36.3	37.5	39.3	33.8	34.3	35.5	37.3
		S/T	1.00	0.93	0.80	0.7	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	1.00	0.8
		ΔT	28.44	26.72	23.52	20.2	28.39	26.68	23.47	20.2	28.63	26.92	23.71	20.4	28.37	26.66	23.46	20.1	28.14	26.43	23.23	19.9	29.22	27.50	24.30	21.0
		kW	2.63	2.63	2.62	2.6	2.96	2.96	2.95	3.0	3.33	3.32	3.32	3.3	3.72	3.72	3.72	3.7	4.17	4.16	4.16	4.2	4.69	4.68	4.68	4.7
		Amps	10.03	10.02	9.99	10.1	11.46	11.45	11.42	11.5	13.05	13.04	13.01	13.1	14.78	14.76	14.74	14.8	16.70	16.69	16.67	16.8	18.96	18.95	18.93	19.0
		Hi PR	264	265	267	271.5	305	306	308	312.5	348	349	351	355.5	394	395	397	401.7	444	445	447	451.6	497	498	500	504.8
		Lo PR	127	129	132	137.2	135	136	139	144.7	141	143	146	151.3	147	148	152	156.8	152	154	157	162.3	159	161	164	169.1
	1500	MBh	42.2	42.7	43.9	45.7	41.8	42.4	43.5	45.4	40.8	41.3	42.5	44.3	39.0	39.5	40.7	42.5	36.8	37.4	38.6	40.4	34.8	35.4	36.6	38.4
		S/T	1.00	0.98	0.84	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	27.09	25.38	22.18	18.9	27.05	25.33	22.13	18.8	27.29	25.57	22.37	19.1	27.03	25.31	22.11	18.8	26.80	25.08	21.88	18.6	27.87	26.16	22.96	19.6
		kW	2.65	2.65	2.65	2.7	2.98	2.98	2.97	3.0	3.35	3.35	3.34	3.4	3.75	3.74	3.74	3.8	4.19	4.19	4.18	4.2	4.71	4.71	4.70	4.7
		Amps	10.12	10.11	10.09	10.2	11.55	11.54	11.52	11.6	13.15	13.13	13.11	13.2	14.87	14.86	14.84	14.9	16.80	16.79	16.76	16.9	19.06	19.05	19.02	19.1
		Hi PR	267	269	270	274.9	308	310	311	316.0	351	353	354	358.9	398	399	401	405.2	448	449	451	455.1	501	502	504	508.3
		Lo PR	131	132	135	140.6	138	140	143	148.0	145	146	149	154.6	150	152	155	160.1	156	157	160	165.6	163	164	167	172.4

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

Expanded Cooling Data — GPHM34831

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1500	MBh	47.3	48.0	49.4	-	46.9	47.6	49.0	-	45.6	46.3	47.7	-	43.5	44.2	45.6	-	40.9	41.6	43.0	-	38.6	39.2	40.6	-
		S/T	0.60	0.52	0.39	-	0.60	0.53	0.40	-	0.63	0.55	0.42	-	1.00	0.57	0.44	-	1.00	0.60	0.46	-	1.00	0.65	0.51	-
		ΔT	18.54	16.83	13.62	-	18.49	16.78	13.58	-	18.73	17.02	13.82	-	18.48	16.76	13.56	-	18.25	16.53	13.33	-	19.32	17.61	14.40	-
		kW	3.14	3.13	3.13	-	3.52	3.52	3.51	-	3.95	3.95	3.94	-	4.41	4.41	4.40	-	4.93	4.93	4.92	-	5.54	5.53	5.53	-
		Amps	11.46	11.45	11.42	-	13.13	13.11	13.08	-	14.99	14.97	14.94	-	17.00	16.98	16.96	-	19.25	19.23	19.20	-	21.88	21.87	21.84	-
		Hi PR	274	276	277	-	318	319	321	-	363	364	366	-	412	413	415	-	464	466	468	-	521	522	524	-
		Lo PR	124	126	129	-	132	133	136	-	138	140	143	-	144	145	149	-	149	151	154	-	156	158	161	-
	1700	MBh	47.9	48.6	50.0	-	47.5	48.2	49.6	-	46.3	46.9	48.4	-	44.1	44.8	46.2	-	41.5	42.2	43.6	-	39.2	39.8	41.3	-
		S/T	0.66	0.58	0.45	-	0.66	0.59	0.45	-	0.69	0.61	0.48	-	1.00	0.63	0.50	-	1.00	0.65	0.52	-	1.00	0.71	0.57	-
		ΔT	17.50	15.79	12.59	-	17.46	15.74	12.54	-	17.70	15.98	12.78	-	17.44	15.73	12.52	-	17.21	15.50	12.30	-	18.28	16.57	13.37	-
		kW	3.16	3.15	3.15	-	3.54	3.54	3.53	-	3.97	3.97	3.96	-	4.43	4.43	4.42	-	4.95	4.95	4.94	-	5.56	5.55	5.55	-
		Amps	11.55	11.53	11.51	-	13.21	13.20	13.17	-	15.07	15.06	15.03	-	17.08	17.07	17.04	-	19.33	19.32	19.29	-	21.97	21.96	21.93	-
		Hi PR	277	278	280	-	320	321	323	-	365	367	368	-	414	415	417	-	467	468	470	-	523	524	526	-
		Lo PR	126	128	131	-	134	135	138	-	140	142	145	-	146	147	150	-	151	153	156	-	158	160	163	-
	1900	MBh	48.7	49.3	50.8	-	48.3	48.9	50.3	-	47.0	47.7	49.1	-	44.9	45.6	47.0	-	42.3	43.0	44.4	-	39.9	40.6	42.0	-
		S/T	0.69	0.62	0.48	-	0.70	0.62	0.49	-	0.72	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.74	0.61	-
		ΔT	16.63	14.92	11.72	-	16.59	14.87	11.67	-	16.83	15.11	11.91	-	16.57	14.85	11.65	-	16.34	14.62	11.42	-	17.41	15.70	12.50	-
		kW	3.17	3.17	3.16	-	3.56	3.55	3.55	-	3.99	3.98	3.98	-	4.45	4.45	4.44	-	4.97	4.96	4.96	-	5.57	5.57	5.56	-
		Amps	11.62	11.61	11.58	-	13.29	13.27	13.24	-	15.14	15.13	15.10	-	17.16	17.14	17.12	-	19.41	19.39	19.36	-	22.04	22.03	22.00	-
		Hi PR	279	280	282	-	322	323	325	-	368	369	371	-	416	418	420	-	469	470	472	-	525	526	528	-
		Lo PR	128	130	133	-	136	137	140	-	142	144	147	-	148	149	152	-	153	155	158	-	160	162	165	-
75	1500	MBh	47.3	48.0	49.4	51.6	46.9	47.6	49.0	51.2	45.7	46.3	47.8	49.9	43.6	44.2	45.6	47.8	41.0	41.6	43.0	45.2	38.6	39.3	40.7	42.8
		S/T	0.73	0.65	0.52	0.4	0.73	0.66	0.52	0.4	1.00	0.68	0.55	0.4	1.00	0.70	0.57	0.4	1.00	0.72	0.59	0.4	1.00	1.00	0.64	0.5
		ΔT	22.31	20.60	17.39	14.1	22.26	20.55	17.35	14.0	22.50	20.79	17.59	14.3	22.25	20.53	17.33	14.0	22.02	20.30	17.10	13.8	23.09	21.38	18.17	14.9
		kW	3.14	3.13	3.13	3.2	3.52	3.52	3.51	3.5	3.95	3.94	3.94	4.0	4.41	4.41	4.40	4.4	4.93	4.92	4.92	4.9	5.53	5.53	5.52	5.6
		Amps	11.45	11.44	11.41	11.5	13.12	13.10	13.07	13.2	14.97	14.96	14.93	15.1	16.99	16.97	16.95	17.1	19.24	19.22	19.19	19.3	21.87	21.86	21.83	22.0
		Hi PR	275	276	278	282.5	318	319	321	325.8	363	364	366	371.1	412	413	415	420.0	465	466	468	472.6	521	522	524	528.8
		Lo PR	124	126	129	134.2	132	133	136	141.7	138	140	143	148.4	144	146	149	154.0	149	151	154	159.4	156	158	161	166.3
	1700	MBh	48.0	48.6	50.0	52.2	47.5	48.2	49.6	51.8	46.3	47.0	48.4	50.5	44.2	**44.8**	46.3	48.4	41.6	42.2	43.7	45.8	39.2	39.9	41.3	43.4
		S/T	0.79	0.71	0.58	0.4	1.00	0.72	0.58	0.4	1.00	0.74	0.61	0.5	1.00	**0.76**	0.63	0.5	1.00	0.78	0.65	0.5	1.00	1.00	0.70	0.6
		ΔT	21.27	19.56	16.36	13.0	21.23	19.51	16.31	13.0	21.47	19.75	16.55	13.2	21.21	**19.50**	16.29	13.0	20.98	19.27	16.07	12.7	22.05	20.34	17.14	13.8
		kW	3.16	3.15	3.15	3.2	3.54	3.54	3.53	3.6	3.97	3.96	3.96	4.0	4.43	**4.43**	4.42	4.4	4.95	4.94	4.94	5.0	5.55	5.55	5.54	5.6
		Amps	11.54	11.52	11.49	11.6	13.20	13.19	13.16	13.3	15.06	15.05	15.02	15.1	17.07	**17.06**	17.03	17.2	19.32	19.31	19.28	19.4	21.96	21.95	21.92	22.0
		Hi PR	277	278	280	284.8	320	321	323	328.1	366	367	369	373.5	414	**416**	418	422.3	467	468	470	475.0	523	524	526	531.2
		Lo PR	126	128	131	136.0	134	135	138	143.6	140	142	145	150.2	146	**147**	150	155.8	151	153	156	161.3	158	160	163	168.1
	1900	MBh	48.7	49.4	50.8	52.9	48.3	48.9	50.4	52.5	47.0	47.7	49.1	51.3	44.9	45.6	47.0	49.2	42.3	43.0	44.4	46.6	40.0	40.6	42.0	44.2
		S/T	0.82	0.74	0.61	0.5	1.00	0.75	0.62	0.5	1.00	0.77	0.64	0.5	1.00	0.79	0.66	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.73	0.6
		ΔT	20.40	18.69	15.49	12.2	20.36	18.64	15.44	12.1	20.60	18.88	15.68	12.4	20.34	18.62	15.42	12.1	20.11	18.39	15.19	11.9	21.18	19.47	16.27	12.9
		kW	3.17	3.17	3.16	3.2	3.56	3.55	3.55	3.6	3.98	3.98	3.97	4.0	4.45	4.44	4.44	4.5	4.96	4.96	4.95	5.0	5.57	5.57	5.56	5.6
		Amps	11.61	11.60	11.57	11.7	13.27	13.26	13.23	13.4	15.13	15.12	15.09	15.2	17.15	17.13	17.10	17.2	19.39	19.38	19.35	19.5	22.03	22.02	21.99	22.1
		Hi PR	279	280	282	287.1	322	324	326	330.4	368	369	371	375.7	417	418	420	424.6	469	471	472	477.2	526	527	529	533.4
		Lo PR	128	130	133	138.0	136	137	140	145.6	142	144	147	152.2	148	149	153	157.8	153	155	158	163.3	160	162	165	170.2

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

Expanded Cooling Data — GPHM34831 (cont.)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1500	MBh	47.6	48.2	49.7	51.8	47.2	47.8	49.2	51.4	45.9	46.6	48.0	50.2	43.8	44.5	45.9	48.0	41.2	41.9	43.3	45.4	38.8	39.5	40.9	43.1
		S/T	1.00	0.77	0.64	0.5	1.00	0.78	0.65	0.5	1.00	0.81	0.67	0.5	1.00	1.00	0.69	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.76	0.6
		ΔT	26.11	24.39	21.19	17.9	26.06	24.34	21.14	17.8	26.30	24.59	21.38	18.1	26.04	24.33	21.13	17.8	25.81	24.10	20.90	17.6	26.89	25.17	21.97	18.7
		kW	3.14	3.13	3.13	3.2	3.52	3.52	3.51	3.5	3.95	3.95	3.94	4.0	4.41	4.41	4.40	4.4	4.93	4.93	4.92	4.9	5.53	5.53	5.53	5.6
		Amps	11.46	11.45	11.42	11.5	13.12	13.11	13.08	13.2	14.98	14.97	14.94	15.1	17.00	16.98	16.95	17.1	19.24	19.23	19.20	19.3	21.88	21.87	21.84	22.0
		Hi PR	275	276	278	283.0	318	320	322	326.3	364	365	367	371.6	413	414	416	420.5	465	466	468	473.1	521	523	525	529.3
		Lo PR	125	126	129	134.7	132	134	137	142.3	139	140	144	148.9	145	146	149	154.5	150	152	155	160.0	157	158	162	166.9
	1700	MBh	48.2	48.9	50.3	52.4	47.8	48.4	49.9	52.0	46.5	47.2	48.6	50.8	44.4	45.1	**46.5**	48.7	41.8	42.5	43.9	46.1	39.4	40.1	41.5	43.7
		S/T	1.00	0.83	0.70	0.6	1.00	0.84	0.71	0.6	1.00	0.86	0.73	0.6	1.00	1.00	**0.75**	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.82	0.7
		ΔT	25.07	23.36	20.15	16.8	25.02	23.31	20.11	16.8	25.26	23.55	20.35	17.0	25.01	23.29	**20.09**	16.8	24.78	23.06	19.86	16.5	25.85	24.14	20.93	17.6
		kW	3.16	3.15	3.15	3.2	3.54	3.54	3.53	3.6	3.97	3.97	3.96	4.0	4.43	4.43	**4.42**	4.5	4.95	4.95	4.94	5.0	5.55	5.55	5.55	5.6
		Amps	11.54	11.53	11.50	11.6	13.21	13.20	13.17	13.3	15.07	15.06	15.03	15.2	17.08	17.07	**17.04**	17.2	19.33	19.32	19.29	19.4	21.97	21.96	21.93	22.1
		Hi PR	277	279	281	285.3	321	322	324	328.6	366	367	369	374.0	415	416	**418**	422.8	468	469	471	475.5	524	525	527	531.7
		Lo PR	127	128	131	136.6	134	136	139	144.1	141	142	145	150.7	146	148	**151**	156.3	152	153	157	161.8	159	160	163	168.7
	1900	MBh	48.9	49.6	51.0	53.2	48.5	49.2	50.6	52.8	47.3	48.0	49.4	51.5	45.2	45.8	47.2	49.4	42.6	43.2	44.6	46.8	40.2	40.9	42.3	44.4
		S/T	1.00	0.87	0.73	0.6	1.00	0.87	0.74	0.6	1.00	0.90	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.86	0.7
		ΔT	24.20	22.48	19.28	16.0	24.15	22.44	19.24	15.9	24.39	22.68	19.48	16.2	24.13	22.42	19.22	15.9	23.90	22.19	18.99	15.7	24.98	23.26	20.06	16.7
		kW	3.17	3.17	3.16	3.2	3.56	3.55	3.55	3.6	3.98	3.98	3.98	4.0	4.45	4.44	4.44	4.5	4.96	4.96	4.96	5.0	5.57	5.57	5.56	5.6
		Amps	11.62	11.60	11.58	11.7	13.28	13.27	13.24	13.4	15.14	15.13	15.10	15.2	17.15	17.14	17.11	17.2	19.40	19.39	19.36	19.5	22.04	22.03	22.00	22.1
		Hi PR	280	281	283	287.6	323	324	326	330.9	368	370	371	376.2	417	418	420	425.1	470	471	473	477.7	526	527	529	533.9
		Lo PR	129	130	133	138.6	136	138	141	146.1	143	144	147	152.8	148	150	153	158.4	154	155	159	163.8	161	162	165	170.7
85	1500	MBh	48.4	49.0	50.5	52.6	48.0	48.6	50.0	52.2	46.7	47.4	48.8	51.0	44.6	45.3	46.7	48.8	42.0	42.7	44.1	46.2	39.6	40.3	41.7	43.9
		S/T	1.00	0.87	0.74	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.81	0.7	1.00	1.00	1.00	0.7
		ΔT	29.47	27.76	24.56	21.2	29.43	27.71	24.51	21.2	29.67	27.95	24.75	21.4	29.41	27.69	24.49	21.2	29.18	27.46	24.26	20.9	30.25	28.54	25.34	22.0
		kW	3.14	3.14	3.14	3.2	3.53	3.52	3.52	3.5	3.96	3.95	3.95	4.0	4.42	4.42	4.41	4.4	4.94	4.93	4.93	5.0	5.54	5.54	5.53	5.6
		Amps	11.49	11.48	11.45	11.6	13.16	13.14	13.11	13.2	15.02	15.00	14.97	15.1	17.03	17.01	16.99	17.1	19.28	19.26	19.23	19.4	21.91	21.90	21.87	22.0
		Hi PR	276	278	280	284.3	320	321	323	327.6	365	366	368	372.9	414	415	417	421.8	467	468	470	474.4	523	524	526	530.6
		Lo PR	127	128	131	136.6	134	136	139	144.2	141	142	145	150.8	146	148	151	156.4	152	153	157	161.9	159	160	163	168.7
	1700	MBh	49.0	49.7	51.1	53.2	48.6	49.2	50.7	52.8	47.3	48.0	49.4	51.6	45.2	45.9	47.3	49.5	42.6	43.3	44.7	46.9	40.2	40.9	42.3	44.5
		S/T	1.00	0.93	0.80	0.7	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.7	1.00	1.00	1.00	0.8
		ΔT	28.44	26.72	23.52	20.2	28.39	26.68	23.47	20.2	28.63	26.92	23.71	20.4	28.37	26.66	23.46	20.1	28.14	26.43	23.23	19.9	29.22	27.50	24.30	21.0
		kW	3.16	3.16	3.16	3.2	3.55	3.54	3.54	3.6	3.98	3.97	3.97	4.0	4.44	4.44	4.43	4.5	4.96	4.95	4.95	5.0	5.56	5.56	5.55	5.6
		Amps	11.58	11.56	11.54	11.7	13.24	13.23	13.20	13.3	15.10	15.09	15.06	15.2	17.11	17.10	17.07	17.2	19.36	19.35	19.32	19.4	22.00	21.99	21.96	22.1
		Hi PR	279	280	282	286.6	322	323	325	329.9	367	369	370	375.3	416	417	419	424.1	469	470	472	476.8	525	526	528	532.9
		Lo PR	128	130	133	138.4	136	138	141	146.0	143	144	147	152.6	148	150	153	158.2	154	155	158	163.7	161	162	165	170.6
	1900	MBh	49.7	50.4	51.8	54.0	49.3	50.0	51.4	53.6	48.1	48.8	50.2	52.3	46.0	46.6	48.0	50.2	43.4	44.0	45.4	47.6	41.0	41.7	43.1	45.2
		S/T	1.00	0.97	0.83	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	27.56	25.85	22.65	19.3	27.52	25.80	22.60	19.3	27.76	26.04	22.84	19.5	27.50	25.79	22.58	19.3	27.27	25.56	22.36	19.0	28.34	26.63	23.43	20.1
		kW	3.18	3.18	3.17	3.2	3.56	3.56	3.55	3.6	3.99	3.99	3.98	4.0	4.45	4.45	4.45	4.5	4.97	4.97	4.96	5.0	5.58	5.58	5.57	5.6
		Amps	11.65	11.64	11.61	11.7	13.31	13.30	13.27	13.4	15.17	15.16	15.13	15.3	17.19	17.17	17.15	17.3	19.43	19.42	19.39	19.5	22.07	22.06	22.03	22.2
		Hi PR	281	282	284	288.9	324	325	327	332.2	370	371	373	377.5	418	420	422	426.4	471	472	474	479.0	527	528	530	535.2
		Lo PR	130	132	135	140.4	138	140	143	148.0	145	146	149	154.6	150	152	155	160.2	156	157	160	165.7	163	164	167	172.6

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

Expanded Cooling Data — GPHM36031 – High Stage

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1500	MBh	56.2	57.0	58.6	-	55.7	56.5	58.1	-	54.2	55.0	56.7	-	51.7	52.5	54.2	-	48.6	49.4	51.1	-	45.8	46.6	48.3	-
		S/T	0.60	0.52	0.39	-	0.60	0.53	0.40	-	0.63	0.55	0.42	-	0.64	0.57	0.44	-	1.00	0.59	0.46	-	1.00	0.64	0.51	-
		ΔT	18.19	16.48	13.28	-	18.15	16.43	13.23	-	18.39	16.67	13.47	-	18.13	16.41	13.21	-	17.90	16.18	12.98	-	18.97	17.26	14.06	-
		kW	3.71	3.71	3.70	-	4.17	4.16	4.15	-	4.67	4.67	4.66	-	5.23	5.22	5.21	-	5.84	5.84	5.83	-	6.56	6.56	6.55	-
		Amps	13.39	13.38	13.34	-	15.38	15.36	15.33	-	17.59	17.58	17.54	-	19.99	19.97	19.94	-	22.67	22.65	22.62	-	25.81	25.79	25.76	-
		Hi PR	281	282	284	-	325	326	328	-	371	372	374	-	421	422	424	-	475	476	478	-	532	533	535	-
		Lo PR	121	122	125	-	128	130	133	-	135	136	139	-	140	141	144	-	145	147	150	-	152	153	156	-
	1700	MBh	56.7	57.5	59.2	-	56.2	57.0	58.7	-	54.7	55.5	57.2	-	52.2	53.0	54.7	-	49.1	49.9	51.6	-	46.3	47.1	48.8	-
		S/T	0.63	0.56	0.43	-	0.64	0.57	0.44	-	0.66	0.59	0.46	-	0.68	0.61	0.48	-	1.00	0.63	0.50	-	1.00	0.68	0.55	-
		ΔT	17.50	15.79	12.59	-	17.46	15.74	12.54	-	17.70	15.98	12.78	-	17.44	15.73	12.52	-	17.21	15.50	12.30	-	18.28	16.57	13.37	-
		kW	3.72	3.72	3.71	-	4.18	4.18	4.17	-	4.69	4.69	4.68	-	5.24	5.24	5.23	-	5.86	5.85	5.85	-	6.58	6.58	6.57	-
		Amps	13.46	13.44	13.41	-	15.44	15.43	15.39	-	17.66	17.64	17.61	-	20.06	20.04	20.01	-	22.73	22.72	22.68	-	25.88	25.86	25.83	-
		Hi PR	282	283	285	-	326	328	330	-	373	374	376	-	422	424	426	-	476	477	479	-	533	535	537	-
		Lo PR	122	124	127	-	129	131	134	-	136	137	140	-	141	143	146	-	146	148	151	-	153	155	158	-
	1900	MBh	57.3	58.1	59.7	-	56.8	57.6	59.2	-	55.3	56.1	57.8	-	52.8	53.6	55.3	-	49.7	50.5	52.2	-	46.9	47.7	49.4	-
		S/T	0.66	0.58	0.46	-	0.66	0.59	0.46	-	0.69	0.61	0.48	-	0.70	0.63	0.50	-	1.00	0.65	0.52	-	1.00	0.70	0.57	-
		ΔT	16.89	15.18	11.98	-	16.85	15.13	11.93	-	17.09	15.37	12.17	-	16.83	15.11	11.91	-	16.60	14.89	11.68	-	17.67	15.96	12.76	-
		kW	3.74	3.74	3.73	-	4.20	4.19	4.18	-	4.70	4.70	4.69	-	5.26	5.25	5.24	-	5.87	5.87	5.86	-	6.59	6.59	6.58	-
		Amps	13.52	13.51	13.47	-	15.50	15.49	15.46	-	17.72	17.70	17.67	-	20.12	20.10	20.07	-	22.79	22.78	22.74	-	25.94	25.92	25.89	-
		Hi PR	284	285	287	-	328	329	331	-	374	375	377	-	424	425	427	-	478	479	481	-	535	536	538	-
		Lo PR	123	125	128	-	131	132	135	-	137	139	142	-	142	144	147	-	148	149	152	-	154	156	159	-
75	1500	MBh	56.2	57.0	58.7	61.2	55.7	56.5	58.2	60.7	54.2	55.0	56.7	59.3	51.7	52.5	54.2	56.7	48.7	49.4	51.1	53.7	45.9	46.6	48.3	50.9
		S/T	0.72	0.65	0.52	0.4	0.72	0.65	0.52	0.4	1.00	0.68	0.55	0.4	1.00	0.69	0.57	0.4	1.00	0.71	0.59	0.5	1.00	0.76	0.64	0.5
		ΔT	21.96	20.25	17.05	13.7	21.92	20.20	17.00	13.7	22.16	20.44	17.24	13.9	21.90	20.18	16.98	13.7	21.67	19.95	16.75	13.4	22.74	21.03	17.83	14.5
		kW	3.71	3.70	3.69	3.7	4.16	4.16	4.15	4.2	4.67	4.67	4.66	4.7	5.22	5.22	5.21	5.2	5.84	5.84	5.83	5.9	6.56	6.56	6.55	6.6
		Amps	13.38	13.36	13.33	13.5	15.36	15.35	15.31	15.5	17.58	17.56	17.53	17.7	19.97	19.96	19.93	20.1	22.65	22.64	22.60	22.8	25.79	25.78	25.74	25.9
		Hi PR	281	282	284	288.9	325	326	328	333.1	371	372	374	379.3	421	422	424	429.1	475	476	478	482.8	532	533	535	540.2
		Lo PR	121	122	125	130.5	128	130	133	137.8	135	136	139	144.2	140	141	145	149.6	145	147	150	155.0	152	153	156	161.6
	1700	MBh	56.7	57.5	59.2	61.7	56.2	57.0	58.7	61.2	54.8	55.6	57.2	59.8	52.2	**53.0**	54.7	57.3	49.2	50.0	51.6	54.2	46.4	47.2	48.8	51.4
		S/T	0.75	0.68	0.55	0.4	0.76	0.69	0.56	0.4	1.00	0.71	0.58	0.4	1.00	**0.73**	0.60	0.5	1.00	0.75	0.62	0.5	1.00	1.00	0.67	0.5
		ΔT	21.27	19.56	16.36	13.0	21.23	19.51	16.31	13.0	21.47	19.75	16.55	13.2	21.21	**19.50**	16.29	13.0	20.98	19.27	16.07	12.7	22.05	20.34	17.14	13.8
		kW	3.72	3.72	3.71	3.7	4.18	4.17	4.17	4.2	4.69	4.68	4.68	4.7	5.24	**5.24**	5.23	5.3	5.85	5.85	5.84	5.9	6.58	6.57	6.57	6.6
		Amps	13.45	13.43	13.40	13.5	15.43	15.42	15.38	15.5	17.65	17.63	17.60	17.7	20.04	**20.03**	19.99	20.1	22.72	22.71	22.67	22.8	25.86	25.85	25.81	26.0
		Hi PR	282	284	286	290.5	327	328	330	334.7	373	374	376	380.9	423	**424**	426	430.7	476	478	480	484.5	534	535	537	541.8
		Lo PR	122	124	127	131.7	129	131	134	139.0	136	137	140	145.4	141	**143**	146	150.9	147	148	151	156.2	153	155	158	162.8
	1900	MBh	57.3	58.1	59.8	62.3	56.8	57.6	59.3	61.8	55.3	56.1	57.8	60.4	52.8	53.6	55.3	57.9	49.8	50.6	52.2	54.8	47.0	47.7	49.4	52.0
		S/T	0.78	0.71	0.58	0.4	0.78	0.71	0.58	0.4	1.00	0.74	0.61	0.5	1.00	0.75	0.63	0.5	1.00	0.78	0.65	0.5	1.00	1.00	0.70	0.6
		ΔT	20.66	18.95	15.75	12.4	20.62	18.90	15.70	12.4	20.86	19.14	15.94	12.6	20.60	18.88	15.68	12.4	20.37	18.66	15.45	12.1	21.44	19.73	16.53	13.2
		kW	3.74	3.73	3.72	3.8	4.19	4.19	4.18	4.2	4.70	4.70	4.69	4.7	5.25	5.25	5.24	5.3	5.87	5.87	5.86	5.9	6.59	6.59	6.58	6.6
		Amps	13.51	13.49	13.46	13.6	15.49	15.48	15.44	15.6	17.71	17.69	17.66	17.8	20.10	20.09	20.05	20.2	22.78	22.77	22.73	22.9	25.92	25.91	25.87	26.0
		Hi PR	284	285	287	292.1	328	329	331	336.3	374	376	378	382.5	424	425	427	432.3	478	479	481	486.0	535	537	538	543.3
		Lo PR	123	125	128	133.0	131	132	135	140.4	137	139	142	146.8	143	144	147	152.2	148	149	152	157.5	154	156	159	164.2

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1500	MBh	56.5	57.3	59.0	61.5	56.0	56.8	58.5	61.0	54.5	55.3	57.0	59.5	52.0	52.8	54.5	57.0	48.9	49.7	51.4	54.0	46.1	46.9	48.6	51.2
		S/T	0.84	0.76	0.64	0.5	1.00	0.77	0.64	0.5	1.00	0.79	0.67	0.5	1.00	0.81	0.68	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.75	0.6
		ΔT	25.76	24.04	20.84	17.5	25.71	24.00	20.79	17.5	25.95	24.24	21.04	17.7	25.69	23.98	20.78	17.5	25.46	23.75	20.55	17.2	26.54	24.82	21.62	18.3
		kW	3.71	3.70	3.70	3.7	4.16	4.16	4.15	4.2	4.67	4.67	4.66	4.7	5.23	5.22	5.21	5.2	5.84	5.84	5.83	5.9	6.56	6.56	6.55	6.6
		Amps	13.39	13.37	13.34	13.5	15.37	15.36	15.32	15.5	17.59	17.57	17.54	17.7	19.99	19.97	19.94	20.1	22.66	22.65	22.61	22.8	25.80	25.79	25.76	25.9
		Hi PR	281	283	285	289.4	326	327	329	333.6	372	373	375	379.8	422	423	425	429.6	475	477	478	483.4	533	534	536	540.7
		Lo PR	121	123	126	131.0	129	130	133	138.3	135	137	140	144.7	140	142	145	150.2	146	147	150	155.5	152	154	157	162.1
	1700	MBh	57.0	57.8	59.5	62.0	56.5	57.3	59.0	61.5	55.1	55.8	57.5	60.1	52.5	53.3	**55.0**	57.6	49.5	50.3	51.9	54.5	46.7	47.5	49.1	51.7
		S/T	1.00	0.80	0.67	0.5	1.00	0.81	0.68	0.5	1.00	0.83	0.70	0.6	1.00	0.85	**0.72**	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.79	0.7
		ΔT	25.07	23.36	20.15	16.8	25.02	23.31	20.11	16.8	25.26	23.55	20.35	17.0	25.01	23.29	**20.09**	16.8	24.78	23.06	19.86	16.5	25.85	24.14	20.93	17.6
		kW	3.72	3.72	3.71	3.7	4.18	4.18	4.17	4.2	4.69	4.69	4.68	4.7	5.24	5.24	**5.23**	5.3	5.86	5.85	5.85	5.9	6.58	6.58	6.57	6.6
		Amps	13.46	13.44	13.41	13.6	15.44	15.43	15.39	15.5	17.66	17.64	17.61	17.8	20.05	20.04	**20.00**	20.2	22.73	22.72	22.68	22.8	25.87	25.86	25.82	26.0
		Hi PR	283	284	286	291.0	327	328	330	335.2	373	375	377	381.4	423	424	**426**	431.3	477	478	480	485.0	534	535	537	542.3
		Lo PR	123	124	127	132.3	130	131	134	139.6	136	138	141	146.0	142	143	**146**	151.4	147	149	152	156.7	154	155	158	163.4
	1900	MBh	57.6	58.4	60.1	62.6	57.1	57.9	59.6	62.1	55.6	56.4	58.1	60.7	53.1	53.9	55.6	58.1	50.1	50.8	52.5	55.1	47.2	48.0	49.7	52.3
		S/T	1.00	0.83	0.70	0.6	1.00	0.83	0.70	0.6	1.00	0.85	0.73	0.6	1.00	0.87	0.74	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.81	0.7
		ΔT	24.46	22.74	19.54	16.2	24.41	22.70	19.50	16.2	24.65	22.94	19.74	16.4	24.39	22.68	19.48	16.2	24.17	22.45	19.25	15.9	25.24	23.52	20.32	17.0
		kW	3.74	3.73	3.73	3.8	4.19	4.19	4.18	4.2	4.70	4.70	4.69	4.7	5.26	5.25	5.24	5.3	5.87	5.87	5.86	5.9	6.59	6.59	6.58	6.6
		Amps	13.52	13.50	13.47	13.6	15.50	15.49	15.45	15.6	17.72	17.70	17.67	17.8	20.11	20.10	20.06	20.2	22.79	22.78	22.74	22.9	25.93	25.92	25.88	26.0
		Hi PR	285	286	288	292.6	329	330	332	336.8	375	376	378	383.0	425	426	428	432.8	478	480	482	486.5	536	537	539	543.9
		Lo PR	124	125	128	133.6	131	133	136	140.9	138	139	142	147.3	143	145	148	152.7	148	150	153	158.0	155	157	160	164.7
85	1500	MBh	57.4	58.2	59.9	62.5	56.9	57.7	59.4	62.0	55.5	56.3	57.9	60.5	53.0	53.8	55.4	58.0	49.9	50.7	52.4	54.9	47.1	47.9	49.5	52.1
		S/T	1.00	0.86	0.73	0.6	1.00	0.87	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	1.00	0.7
		ΔT	29.12	27.41	24.21	20.9	29.08	27.36	24.16	20.8	29.32	27.60	24.40	21.1	29.06	27.35	24.14	20.8	28.83	27.12	23.91	20.6	29.90	28.19	24.99	21.7
		kW	3.72	3.71	3.71	3.7	4.17	4.17	4.16	4.2	4.68	4.68	4.67	4.7	5.23	5.23	5.22	5.3	5.85	5.85	5.84	5.9	6.57	6.57	6.56	6.6
		Amps	13.43	13.41	13.38	13.5	15.41	15.40	15.36	15.5	17.63	17.61	17.58	17.7	20.02	20.01	19.97	20.1	22.70	22.69	22.65	22.8	25.84	25.83	25.79	25.9
		Hi PR	283	284	286	290.7	327	328	330	334.9	373	374	376	381.2	423	424	426	431.0	477	478	480	484.7	534	535	537	542.0
		Lo PR	123	125	128	132.8	130	132	135	140.1	137	138	141	146.6	142	144	147	152.0	148	149	152	157.3	154	156	159	163.9
	1700	MBh	58.0	58.7	60.4	63.0	57.5	58.2	59.9	62.5	56.0	56.8	58.5	61.0	53.5	54.3	55.9	58.5	50.4	51.2	52.9	55.4	47.6	48.4	50.1	52.6
		S/T	1.00	0.90	0.77	0.6	1.00	0.90	0.77	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.8
		ΔT	28.44	26.72	23.52	20.2	28.39	26.68	23.47	20.2	28.63	26.92	23.71	20.4	28.37	26.66	23.46	20.1	28.14	26.43	23.23	19.9	29.22	27.50	24.30	21.0
		kW	3.73	3.73	3.72	3.8	4.19	4.19	4.18	4.2	4.70	4.70	4.69	4.7	5.25	5.25	5.24	5.3	5.87	5.86	5.85	5.9	6.59	6.58	6.58	6.6
		Amps	13.50	13.48	13.45	13.6	15.48	15.46	15.43	15.6	17.69	17.68	17.64	17.8	20.09	20.08	20.04	20.2	22.77	22.75	22.72	22.9	25.91	25.90	25.86	26.0
		Hi PR	284	286	287	292.3	328	330	332	336.5	375	376	378	382.8	425	426	428	432.6	478	479	481	486.3	536	537	539	543.6
		Lo PR	124	126	129	134.1	132	133	136	141.4	138	140	143	147.8	144	145	148	153.2	149	150	153	158.5	156	157	160	165.2
	1900	MBh	58.5	59.3	61.0	63.6	58.0	58.8	60.5	63.1	56.6	57.4	59.0	61.6	54.1	54.9	56.5	59.1	51.0	51.8	53.5	56.0	48.2	49.0	50.7	53.2
		S/T	1.00	0.92	0.79	0.7	1.00	0.93	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	1.00	0.8
		ΔT	27.83	26.11	22.91	19.6	27.78	26.06	22.86	19.5	28.02	26.31	23.10	19.8	27.76	26.05	22.85	19.5	27.53	25.82	22.62	19.3	28.61	26.89	23.69	20.4
		kW	3.75	3.74	3.74	3.8	4.20	4.20	4.19	4.2	4.71	4.71	4.70	4.7	5.26	5.26	5.25	5.3	5.88	5.88	5.87	5.9	6.60	6.60	6.59	6.6
		Amps	13.56	13.54	13.51	13.7	15.54	15.52	15.49	15.6	17.75	17.74	17.71	17.9	20.15	20.14	20.10	20.3	22.83	22.81	22.78	22.9	25.97	25.96	25.92	26.1
		Hi PR	286	287	289	293.9	330	331	333	338.1	376	378	379	384.3	426	427	429	434.2	480	481	483	487.9	537	538	540	545.2
		Lo PR	126	127	130	135.4	133	135	138	142.7	139	141	144	149.1	145	146	149	154.5	150	152	155	159.8	157	158	161	166.5

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

Expanded Cooling Data — GPHM36031 – Low Stage

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1100	MBh	40.1	40.6	41.8	-	39.7	40.3	41.5	-	38.7	39.2	40.4	-	36.9	37.4	38.6	-	34.6	35.2	36.4	-	32.6	33.2	34.4	-
		S/T	0.56	0.49	0.36	-	0.57	0.50	0.36	-	0.59	0.52	0.39	-	0.61	0.54	0.41	-	1.00	0.56	0.43	-	1.00	0.61	0.48	-
		ΔT	18.28	16.62	13.53	-	18.23	16.58	13.49	-	18.46	16.81	13.72	-	18.21	16.56	13.47	-	17.99	16.34	13.25	-	19.03	17.37	14.28	-
		kW	2.32	2.32	2.32	-	2.61	2.61	2.60	-	2.93	2.93	2.92	-	3.28	3.27	3.27	-	3.66	3.66	3.66	-	4.12	4.12	4.11	-
		Amps	8.38	8.37	8.35	-	9.62	9.61	9.59	-	11.02	11.01	10.99	-	12.53	12.52	12.49	-	14.21	14.20	14.18	-	16.19	16.18	16.15	-
		Hi PR	267	268	270	-	309	310	312	-	353	354	356	-	401	402	404	-	452	453	455	-	507	508	510	-
		Lo PR	123	125	128	-	131	132	135	-	137	139	142	-	143	144	147	-	148	150	153	-	155	157	160	-
	1320	MBh	40.8	41.3	42.5	-	40.4	41.0	42.2	-	39.4	39.9	41.1	-	37.5	38.1	39.3	-	35.3	35.9	37.1	-	33.3	33.9	35.1	-
		S/T	0.65	0.57	0.44	-	0.65	0.58	0.45	-	0.68	0.60	0.47	-	1.00	0.62	0.49	-	1.00	0.65	0.51	-	1.00	0.70	0.56	-
		ΔT	16.89	15.24	12.15	-	16.85	15.19	12.10	-	17.08	15.42	12.34	-	16.83	15.18	12.09	-	16.61	14.95	11.86	-	17.64	15.99	12.90	-
		kW	2.34	2.34	2.34	-	2.63	2.63	2.62	-	2.95	2.95	2.94	-	3.30	3.29	3.29	-	3.68	3.68	3.68	-	4.14	4.14	4.13	-
		Amps	8.47	8.46	8.44	-	9.71	9.70	9.68	-	11.11	11.10	11.08	-	12.62	12.61	12.58	-	14.30	14.29	14.27	-	16.28	16.27	16.24	-
		Hi PR	270	271	273	-	312	313	315	-	356	357	359	-	404	405	407	-	455	456	458	-	510	511	513	-
		Lo PR	125	127	130	-	133	134	138	-	140	141	144	-	145	147	150	-	151	152	155	-	157	159	162	-
	1600	MBh	41.9	42.5	43.7	-	41.6	42.1	43.3	-	40.5	41.1	42.3	-	38.7	39.3	40.5	-	36.5	37.1	38.3	-	34.5	35.0	36.2	-
		S/T	0.69	0.62	0.49	-	0.70	0.62	0.49	-	1.00	0.65	0.52	-	1.00	0.67	0.53	-	1.00	0.69	0.56	-	1.00	0.74	0.61	-
		ΔT	15.52	13.87	10.78	-	15.48	13.82	10.73	-	15.71	14.06	10.97	-	15.46	13.81	10.72	-	15.24	13.59	10.50	-	16.28	14.62	11.53	-
		kW	2.36	2.36	2.36	-	2.65	2.65	2.64	-	2.97	2.97	2.96	-	3.32	3.32	3.31	-	3.70	3.70	3.70	-	4.16	4.16	4.15	-
		Amps	8.55	8.54	8.52	-	9.80	9.79	9.77	-	11.20	11.19	11.16	-	12.70	12.69	12.67	-	14.39	14.38	14.36	-	16.36	16.35	16.33	-
		Hi PR	274	275	277	-	316	317	319	-	360	361	363	-	408	409	411	-	459	460	462	-	514	515	517	-
		Lo PR	129	131	134	-	137	138	141	-	143	145	148	-	149	150	153	-	154	156	159	-	161	163	166	-
75	1100	MBh	40.1	40.7	41.9	43.7	39.7	40.3	41.5	43.3	38.7	39.3	40.5	42.3	36.9	37.4	38.7	40.5	34.7	35.2	36.4	38.3	32.7	33.2	34.4	36.3
		S/T	0.69	0.62	0.48	0.3	0.70	0.62	0.49	0.4	1.00	0.65	0.51	0.4	1.00	0.67	0.53	0.4	1.00	0.69	0.55	0.4	1.00	1.00	0.60	0.5
		ΔT	21.91	20.26	17.17	14.0	21.87	20.21	17.12	13.9	22.10	20.45	17.36	14.2	21.85	20.20	17.11	13.9	21.63	19.98	16.89	13.7	22.67	21.01	17.92	14.7
		kW	2.32	2.32	2.31	2.3	2.61	2.61	2.60	2.6	2.93	2.93	2.92	2.9	3.27	3.27	3.27	3.3	3.66	3.66	3.65	3.7	4.12	4.11	4.11	4.1
		Amps	8.37	8.36	8.34	8.4	9.62	9.61	9.59	9.7	11.01	11.00	10.98	11.1	12.52	12.51	12.49	12.6	14.20	14.19	14.17	14.3	16.18	16.17	16.15	16.2
		Hi PR	267	268	270	274.7	309	310	312	316.9	353	355	356	361.1	401	402	404	408.7	452	454	455	460.1	507	508	510	514.9
		Lo PR	123	125	128	133.0	131	132	135	140.5	137	139	142	147.1	143	144	147	152.7	148	150	153	158.2	155	157	160	165.0
	1320	MBh	40.8	41.4	42.6	44.4	40.4	41.0	42.2	44.0	39.4	39.9	41.1	43.0	37.6	**38.1**	39.3	41.2	35.4	35.9	37.1	39.0	33.3	33.9	35.1	36.9
		S/T	0.77	0.70	0.57	0.4	0.78	0.71	0.57	0.4	1.00	0.73	0.60	0.5	1.00	**0.75**	0.62	0.5	1.00	0.77	0.64	0.5	1.00	1.00	0.69	0.5
		ΔT	20.53	18.88	15.79	12.6	20.48	18.83	15.74	12.5	20.72	19.06	15.97	12.8	20.47	**18.81**	15.72	12.5	20.25	18.59	15.50	12.3	21.28	19.63	16.54	13.3
		kW	2.34	2.34	2.33	2.4	2.63	2.63	2.62	2.6	2.95	2.95	2.94	3.0	3.30	**3.29**	3.29	3.3	3.68	3.68	3.68	3.7	4.14	4.13	4.13	4.2
		Amps	8.46	8.45	8.43	8.5	9.71	9.70	9.68	9.8	11.10	11.09	11.07	11.2	12.61	**12.60**	12.58	12.7	14.29	14.28	14.26	14.4	16.27	16.26	16.24	16.3
		Hi PR	270	271	273	277.7	312	313	315	319.9	356	358	360	364.2	404	**405**	407	411.8	455	457	458	463.1	510	511	513	517.9
		Lo PR	125	127	130	135.4	133	135	138	142.9	140	141	144	149.5	145	**147**	150	155.1	151	152	155	160.6	157	159	162	167.4
	1600	MBh	41.9	42.5	43.7	45.5	41.6	42.1	43.3	45.2	40.5	41.1	42.3	44.1	38.7	39.3	40.5	42.3	36.5	37.1	38.3	40.1	34.5	35.1	36.3	38.1
		S/T	0.82	0.74	0.61	0.5	1.00	0.75	0.62	0.5	1.00	0.77	0.64	0.5	1.00	0.79	0.66	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.73	0.6
		ΔT	19.16	17.51	14.42	11.2	19.12	17.46	14.37	11.2	19.35	17.69	14.60	11.4	19.10	17.44	14.35	11.2	18.88	17.22	14.13	10.9	19.91	18.26	15.17	12.0
		kW	2.36	2.36	2.35	2.4	2.65	2.65	2.64	2.7	2.97	2.97	2.96	3.0	3.32	3.31	3.31	3.3	3.70	3.70	3.70	3.7	4.16	4.16	4.15	4.2
		Amps	8.55	8.54	8.52	8.6	9.79	9.78	9.76	9.9	11.19	11.18	11.16	11.3	12.70	12.69	12.66	12.8	14.38	14.37	14.35	14.4	16.36	16.35	16.32	16.4
		Hi PR	274	275	277	281.5	316	317	319	323.7	360	361	363	367.9	408	409	411	415.6	459	460	462	466.9	514	515	517	521.7
		Lo PR	129	131	134	139.0	137	138	141	146.5	143	145	148	153.1	149	150	153	158.7	154	156	159	164.1	161	163	166	171.0

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

Expanded Cooling Data — GPHM36031 – Low Stage (cont.)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1100	MBh	40.3	40.9	42.1	43.9	39.9	40.5	41.7	43.6	38.9	39.5	40.7	42.5	37.1	37.7	38.9	40.7	34.9	35.4	36.7	38.5	32.9	33.4	34.6	36.5
		S/T	1.00	0.74	0.61	0.5	1.00	0.74	0.61	0.5	1.00	0.77	0.64	0.5	1.00	0.79	0.66	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.73	0.6
		ΔT	25.58	23.92	20.83	17.6	25.53	23.88	20.79	17.6	25.76	24.11	21.02	17.8	25.51	23.86	20.77	17.6	25.29	23.64	20.55	17.3	26.33	24.67	21.59	18.4
		kW	2.32	2.32	2.31	2.3	2.61	2.61	2.60	2.6	2.93	2.93	2.92	2.9	3.28	3.27	3.27	3.3	3.66	3.66	3.66	3.7	4.12	4.12	4.11	4.1
		Amps	8.38	8.37	8.34	8.4	9.62	9.61	9.59	9.7	11.02	11.01	10.99	11.1	12.52	12.51	12.49	12.6	14.21	14.20	14.18	14.3	16.18	16.17	16.15	16.2
		Hi PR	267	269	270	275.2	310	311	313	317.4	354	355	357	361.6	402	403	405	409.2	453	454	456	460.6	508	509	511	515.3
		Lo PR	124	125	128	133.6	131	133	136	141.1	138	139	142	147.7	143	145	148	153.2	149	150	153	158.7	156	157	160	165.5
	1320	MBh	41.0	41.6	42.8	44.6	40.6	41.2	42.4	44.2	39.6	40.2	41.4	43.2	37.8	38.3	**39.5**	41.4	35.6	36.1	37.3	39.2	33.5	34.1	35.3	37.2
		S/T	1.00	0.82	0.69	0.6	1.00	0.83	0.70	0.6	1.00	0.85	0.72	0.6	1.00	1.00	**0.74**	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.81	0.7
		ΔT	24.19	22.54	19.45	16.2	24.15	22.49	19.40	16.2	24.38	22.73	19.64	16.4	24.13	22.48	**19.39**	16.2	23.91	22.26	19.17	16.0	24.95	23.29	20.20	17.0
		kW	2.34	2.34	2.34	2.4	2.63	2.63	2.62	2.6	2.95	2.95	2.94	3.0	3.30	3.29	**3.29**	3.3	3.68	3.68	3.68	3.7	4.14	4.14	4.13	4.2
		Amps	8.46	8.46	8.43	8.5	9.71	9.70	9.68	9.8	11.11	11.10	11.07	11.2	12.61	12.60	**12.58**	12.7	14.30	14.29	14.27	14.4	16.27	16.26	16.24	16.3
		Hi PR	271	272	274	278.2	313	314	316	320.4	357	358	360	364.7	405	406	**408**	412.3	456	457	459	463.6	511	512	514	518.4
		Lo PR	126	128	131	136.0	134	135	138	143.5	140	142	145	150.1	146	147	**150**	155.6	151	153	156	161.1	158	160	163	167.9
	1600	MBh	42.1	42.7	43.9	45.8	41.8	42.4	43.6	45.4	40.7	41.3	42.5	44.3	38.9	39.5	40.7	42.5	36.7	37.3	38.5	40.3	34.7	35.3	36.5	38.3
		S/T	1.00	0.87	0.73	0.6	1.00	0.87	0.74	0.6	1.00	0.90	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.85	0.7
		ΔT	22.82	21.17	18.08	14.9	22.78	21.12	18.03	14.8	23.01	21.36	18.27	15.1	22.76	21.11	18.02	14.8	22.54	20.89	17.80	14.6	23.58	21.92	18.83	15.6
		kW	2.36	2.36	2.36	2.4	2.65	2.65	2.64	2.7	2.97	2.97	2.96	3.0	3.32	3.31	3.31	3.3	3.70	3.70	3.70	3.7	4.16	4.16	4.15	4.2
		Amps	8.55	8.54	8.52	8.6	9.80	9.79	9.77	9.9	11.19	11.18	11.16	11.3	12.70	12.69	12.67	12.8	14.39	14.38	14.35	14.5	16.36	16.35	16.33	16.4
		Hi PR	274	275	277	282.0	317	318	320	324.2	361	362	364	368.4	408	410	411	416.1	460	461	463	467.4	514	516	518	522.2
		Lo PR	130	131	134	139.5	137	139	142	147.1	144	145	148	153.6	149	151	154	159.2	155	156	159	164.7	162	163	166	171.5
85	1100	MBh	41.0	41.6	42.8	44.6	40.6	41.2	42.4	44.2	39.6	40.1	41.3	43.2	37.8	38.3	39.5	41.4	35.6	36.1	37.3	39.2	33.5	34.1	35.3	37.1
		S/T	1.00	0.84	0.70	0.6	1.00	0.84	0.71	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.78	0.6	1.00	1.00	1.00	0.7
		ΔT	28.83	27.17	24.08	20.9	28.78	27.13	24.04	20.8	29.01	27.36	24.27	21.1	28.76	27.11	24.02	20.8	28.54	26.89	23.80	20.6	29.58	27.92	24.83	21.6
		kW	2.33	2.33	2.32	2.3	2.61	2.61	2.61	2.6	2.93	2.93	2.93	2.9	3.28	3.28	3.27	3.3	3.67	3.67	3.66	3.7	4.12	4.12	4.12	4.1
		Amps	8.40	8.39	8.37	8.5	9.65	9.64	9.62	9.7	11.04	11.03	11.01	11.1	12.55	12.54	12.52	12.6	14.23	14.22	14.20	14.3	16.21	16.20	16.18	16.3
		Hi PR	269	270	272	276.4	311	312	314	318.6	355	356	358	362.8	403	404	406	410.5	454	455	457	461.8	509	510	512	516.6
		Lo PR	125	127	130	135.4	133	135	138	142.9	140	141	144	149.5	145	147	150	155.1	151	152	155	160.6	157	159	162	167.4
	1320	MBh	41.7	42.2	43.4	45.3	41.3	41.9	43.1	44.9	40.3	40.8	42.0	43.9	38.5	39.0	40.2	42.1	36.2	36.8	38.0	39.8	34.2	34.8	36.0	37.8
		S/T	1.00	0.92	0.79	0.6	1.00	1.00	0.79	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	1.00	0.8
		ΔT	27.44	25.79	22.70	19.5	27.40	25.74	22.65	19.5	27.63	25.97	22.88	19.7	27.38	25.72	22.64	19.4	27.16	25.50	22.41	19.2	28.19	26.54	23.45	20.2
		kW	2.35	2.35	2.34	2.4	2.64	2.63	2.63	2.6	2.96	2.95	2.95	3.0	3.30	3.30	3.30	3.3	3.69	3.69	3.68	3.7	4.14	4.14	4.14	4.2
		Amps	8.49	8.48	8.46	8.6	9.74	9.73	9.71	9.8	11.13	11.12	11.10	11.2	12.64	12.63	12.61	12.7	14.32	14.31	14.29	14.4	16.30	16.29	16.27	16.4
		Hi PR	272	273	275	279.5	314	315	317	321.7	358	359	361	365.9	406	407	409	413.5	457	458	460	464.9	512	513	515	519.7
		Lo PR	128	129	133	137.8	135	137	140	145.3	142	144	147	151.9	148	149	152	157.5	153	155	158	163.0	160	161	165	169.8
	1600	MBh	42.8	43.4	44.6	46.4	42.5	43.0	44.2	46.1	41.4	42.0	43.2	45.0	39.6	40.2	41.4	43.2	37.4	38.0	39.2	41.0	35.4	35.9	37.1	39.0
		S/T	1.00	0.96	0.83	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	26.07	24.42	21.33	18.1	26.03	24.37	21.28	18.1	26.26	24.61	21.52	18.3	26.01	24.36	21.27	18.1	25.79	24.13	21.05	17.8	26.83	25.17	22.08	18.9
		kW	2.37	2.37	2.36	2.4	2.66	2.65	2.65	2.7	2.98	2.97	2.97	3.0	3.32	3.32	3.32	3.3	3.71	3.71	3.70	3.7	4.16	4.16	4.16	4.2
		Amps	8.58	8.57	8.55	8.6	9.82	9.82	9.79	9.9	11.22	11.21	11.19	11.3	12.73	12.72	12.69	12.8	14.41	14.40	14.38	14.5	16.39	16.38	16.35	16.5
		Hi PR	276	277	279	283.3	318	319	321	325.5	362	363	365	369.7	410	411	413	417.3	461	462	464	468.7	516	517	519	523.5
		Lo PR	131	133	136	141.4	139	140	144	148.9	146	147	150	155.5	151	153	156	161.1	157	158	161	166.5	163	165	168	173.4

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+ fans)

GPHM32431 **100 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	28.62	26.77	24.94	23.15	22.00	21.15	18.99	17.00	15.38	14.17	13.28	12.80	12.19	10.65	9.12	7.59	6.05
T/R	31.85	30.08	28.30	26.53	25.46	24.48	21.98	19.68	17.80	16.40	15.37	14.81	14.10	12.33	10.55	8.78	7.01
KW	1.93	1.90	1.86	1.83	1.81	1.80	1.77	1.73	1.70	1.67	1.64	1.62	1.60	1.57	1.54	1.51	1.47
AMPS	7.1	7.0	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.8	5.8	5.7	5.6	5.4	5.3	5.1
COP	4.35	4.14	3.92	3.71	3.56	3.45	3.15	2.87	2.65	2.49	2.38	2.32	2.23	1.99	1.74	1.48	1.20
Hi PR	369	357	345	333	325	321	309	297	285	273	261	253	249	237	225	213	201
LO PR	135	126	118	109	104	101	93	84	76	68	59	54	51	42	34	26	17

GPHM33031 **100 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	33.40	31.33	29.29	27.29	26.00	25.07	22.69	20.46	18.64	17.30	16.33	15.80	15.12	13.42	11.72	10.02	8.32
T/R	29.02	27.48	25.95	24.41	23.49	22.65	20.50	18.49	16.84	15.63	14.75	14.27	13.66	12.12	10.59	9.05	7.51
KW	2.16	2.15	2.13	2.12	2.12	2.11	2.10	2.09	2.08	2.07	2.06	2.05	2.04	2.03	2.02	2.01	2.00
AMPS	7.8	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.3	7.3	7.2	7.2	7.1	7.1
COP	4.54	4.28	4.02	3.77	3.60	3.48	3.17	2.87	2.63	2.45	2.33	2.26	2.17	1.93	1.70	1.46	1.22
Hi PR	361	349	337	326	319	314	302	290	279	267	255	248	243	232	220	208	197
LO PR	137	129	120	112	107	103	95	86	78	69	60	55	52	43	35	26	18

GPHM33631 **100 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	41.71	38.85	36.00	33.19	31.40	30.02	26.57	23.46	20.92	19.01	17.57	16.80	15.83	13.39	10.96	8.53	6.09
T/R	32.34	30.38	28.42	26.46	25.28	24.17	21.39	18.89	16.84	15.31	14.15	13.53	12.74	10.78	8.82	6.86	4.91
KW	2.66	2.61	2.57	2.53	2.50	2.48	2.44	2.40	2.35	2.31	2.26	2.24	2.22	2.18	2.13	2.09	2.05
AMPS	9.7	9.5	9.4	9.2	9.0	9.0	8.8	8.6	8.4	8.2	8.0	7.9	7.8	7.6	7.4	7.3	7.1
COP	4.60	4.36	4.10	3.85	3.68	3.54	3.19	2.87	2.61	2.41	2.27	2.20	2.09	1.80	1.51	1.20	0.87
Hi PR	371	359	347	335	328	323	311	299	287	275	263	255	251	239	226	214	202
LO PR	132	124	116	108	103	99	91	83	75	66	58	53	50	42	33	25	17

GPHM34231 **100 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	47.47	44.54	41.66	38.82	37.00	35.68	32.33	29.19	26.61	24.72	23.34	22.60	21.64	19.24	16.84	14.44	12.04
T/R	33.81	32.03	30.25	28.48	27.41	26.44	23.95	21.62	19.71	18.31	17.29	16.74	16.03	14.25	12.47	10.70	8.92
KW	3.14	3.10	3.06	3.02	3.00	2.98	2.94	2.90	2.86	2.82	2.78	2.76	2.74	2.70	2.67	2.63	2.59
AMPS	11.7	11.5	11.3	11.1	11.0	11.0	10.8	10.6	10.5	10.3	10.1	10.0	9.9	9.8	9.6	9.4	9.3
COP	4.43	4.21	3.99	3.77	3.62	3.51	3.22	2.95	2.73	2.57	2.46	2.40	2.31	2.08	1.85	1.61	1.36
Hi PR	376	364	351	339	332	327	315	302	290	278	266	258	254	241	229	217	205
LO PR	132	123	115	107	102	99	91	82	74	66	58	53	50	42	33	25	17

Calculations are based on nominal CFM and 70 °F indoor dry bulb.
Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

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

GPHM34831 **100 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	59.99	55.93	51.93	48.01	45.50	43.59	38.82	34.46	30.91	28.26	26.27	25.20	23.85	20.46	17.08	13.70	10.31
T/R	33.38	31.42	29.47	27.51	26.33	25.23	22.46	19.94	17.89	16.35	15.20	14.58	13.80	11.84	9.88	7.93	5.97
KW	4.28	4.18	4.08	3.98	3.92	3.88	3.78	3.68	3.58	3.49	3.39	3.33	3.29	3.19	3.09	2.99	2.89
AMPS	16.1	15.6	15.2	14.8	14.5	14.3	13.9	13.5	13.0	12.6	12.2	11.9	11.8	11.3	10.9	10.5	10.0
COP	4.11	3.92	3.73	3.53	3.40	3.29	3.01	2.74	2.53	2.38	2.27	2.22	2.13	1.88	1.62	1.34	1.05
Hi PR	412	399	386	372	364	359	345	332	318	305	292	284	278	265	251	238	225
LO PR	131	123	115	107	102	99	91	82	74	66	58	53	50	41	33	25	17

GPHM36031 **100 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	68.76	64.64	60.57	56.58	54.00	52.13	47.48	43.05	39.41	36.75	34.83	33.80	32.45	29.09	25.72	22.35	18.99
T/R	34.99	33.21	31.42	29.64	28.57	27.62	25.12	22.78	20.85	19.45	18.43	17.88	17.17	15.39	13.61	11.83	10.04
KW	4.74	4.68	4.62	4.56	4.52	4.50	4.44	4.38	4.32	4.26	4.20	4.16	4.14	4.08	4.02	3.96	3.90
AMPS	17.8	17.6	17.3	17.0	16.9	16.8	16.5	16.3	16.0	15.7	15.5	15.3	15.2	15.0	14.7	14.4	14.2
COP	4.25	4.05	3.84	3.64	3.50	3.40	3.14	2.88	2.67	2.53	2.43	2.38	2.30	2.09	1.88	1.66	1.43
Hi PR	403	390	377	364	356	351	338	324	311	298	285	277	272	259	246	233	220
LO PR	124	116	109	101	96	93	85	78	70	62	55	50	47	39	31	24	16

GPHM36031 **70 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	51.36	47.88	44.46	41.10	38.96	37.32	33.23	29.51	26.47	24.20	22.49	21.58	20.42	17.52	14.63	11.73	8.84
T/R	34.64	32.61	30.58	28.55	27.33	26.18	23.31	20.70	18.57	16.97	15.78	15.14	14.32	12.29	10.26	8.23	6.20
KW	2.90	2.82	2.74	2.66	2.61	2.58	2.50	2.42	2.34	2.26	2.17	2.13	2.09	2.01	1.93	1.85	1.77
AMPS	10.5	10.2	9.8	9.5	9.3	9.1	8.8	8.4	8.1	7.7	7.4	7.1	7.0	6.7	6.3	5.9	5.6
COP	5.18	4.97	4.75	4.53	4.37	4.24	3.90	3.58	3.32	3.14	3.03	2.98	2.86	2.55	2.22	1.86	1.46
Hi PR	391	378	365	353	345	340	327	314	302	289	276	269	264	251	238	225	213
LO PR	122	114	107	99	95	92	84	76	69	61	54	49	46	38	31	23	16

Calculations are based on nominal CFM and 70 °F indoor dry bulb.
Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

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

GPHM32431

Setup	Motor Tap	Volts	Static	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
Horizontal Position	T1	230	CFM	847	792	728	638	-	-	-	-
			Watts	76	84	94	102	-	-	-	-
	T2/T3	230	CFM	1043	1020	922	906	856	713	623	635
			Watts	166	168	179	185	194	203	209	206
	T4/T5	230	CFM	1371	1316	1281	1240	1186	1133	1072	1000
			Watts	235	243	252	261	266	275	284	293
Downshot Position	T1	230	CFM	828	767	680	574	-	-	-	-
			Watts	75	85	95	104	-	-	-	-
	T2/T3	230	CFM	1086	993	963	852	768	672	637	621
			Watts	157	169	176	187	194	205	215	228
	T4/T5	230	CFM	1355	1300	1254	1201	1147	1084	1007	899
			Watts	244	253	260	268	276	285	294	303

GPHM33031

Setup	Motor Tap	Volts	Static	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
Horizontal Position	T1	230	CFM	877	821	758	974	596	531	481	-
			Watts	84	92	99	110	118	125	130	-
	T2/T3	230	CFM	1276	1223	1175	1128	1077	1025	985	914
			Watts	221	232	241	250	257	264	271	279
	T4/T5	230	CFM	1463	1419	1376	1329	1282	1235	1183	1126
			Watts	284	294	302	309	317	325	333	340
Downshot Position	T1	230	CFM	859	797	719	619	552	497	437	-
			Watts	83	92	101	111	118	122	127	-
	T2/T3	230	CFM	1303	1236	1178	1123	1075	1015	956	884
			Watts	225	236	247	254	262	271	279	287
	T4/T5	230	CFM	1439	1396	1341	1294	1246	1185	1119	1047
			Watts	288	297	305	313	322	330	339	347

GPHM33631

Setup	Motor Tap	Volts	Static	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
Horizontal Position	T1	230	CFM	850	795	726	640	559	-	-	-
			Watts	76	85	93	103	110	-	-	-
	T2/T3	230	CFM	1399	1360	1288	1240	1190	1136	1083	1017
			Watts	281	291	298	305	313	322	329	336
	T4/T5	230	CFM	1604	1560	1507	1468	1415	1364	1321	1276
			Watts	396	402	408	424	426	433	444	454
Downshot Position	T1	230	CFM	825	762	686	577	523	-	-	-
			Watts	77	87	97	105	111	-	-	-
	T2/T3	230	CFM	1321	1319	1222	1170	1119	1077	1005	930
			Watts	285	291	300	309	319	324	333	342
	T4/T5	230	CFM	1595	1555	1506	1462	1415	1370	1319	1260
			Watts	382	391	399	408	418	426	435	444

GPHM34231

Setup	Motor Tap	Volts	Static								
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
Horizontal Position	T1	230	CFM	1003	937	887	837	773	699	634	574
			Watts	100	106	116	129	142	154	162	171
	T2/T3	230	CFM	1487	1447	1407	1363	1318	1274	1229	1165
			Watts	269	279	291	302	309	321	332	340
	T4/T5	230	CFM	1799	1754	1712	1672	1630	1582	1534	1482
			Watts	419	430	442	453	462	469	475	481
Downshot Position	T1	230	CFM	981	918	850	761	687	613	553	488
			Watts	100	113	126	138	153	161	171	179
	T2/T3	230	CFM	1458	1418	1379	1336	1291	1249	1204	1141
			Watts	266	277	288	299	307	318	330	337
	T4/T5	230	CFM	1786	1728	1678	1629	1577	1517	1453	1385
			Watts	419	432	445	457	468	474	482	490

GPHM34831

Setup	Motor Tap	Volts	Static								
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
Horizontal Position	T1	230	CFM	1177	1123	1077	1031	972	-	-	-
			Watts	142	151	162	173	185	-	-	-
	T2/T3	230	CFM	1838	1794	1749	1711	1672	1626	1576	1528
			Watts	448	458	468	479	490	497	503	510
	T4/T5	230	CFM	1984	1947	1975	1864	1823	1781	1741	1694
			Watts	567	578	590	596	603	610	618	623
Downshot Position	T1	230	CFM	1168	1101	1045	979	913	-	-	-
			Watts	144	155	168	182	197	-	-	-
	T2/T3	230	CFM	1841	1786	1735	1691	1646	1598	1544	1489
			Watts	438	451	463	473	485	493	500	508
	T4/T5	230	CFM	2004	1949	1892	1837	1782	1728	1674	1616
			Watts	564	577	587	594	603	612	620	628

GPHM36031

Setup	Motor Tap	Volts	Static								
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
Horizontal Position	T1	230	CFM	1499	1447	1404	1376	1330	1280	1230	1145
			Watts	268	278	290	300	311	325	338	353
	T2/T3	230	CFM	2001	1958	1908	1865	1822	1774	1729	1680
			Watts	569	583	595	600	613	622	629	638
	T4/T5	230	CFM	2199	2161	2126	2090	2056	2018	1982	1949
			Watts	801	809	817	828	838	851	858	873
Downshot Position	T1	230	CFM	1464	1408	1364	1326	1285	1240	1201	1140
			Watts	247	264	281	292	305	317	334	351
	T2/T3	230	CFM	1999	1957	1904	1862	1822	1769	1732	1688
			Watts	546	563	577	587	598	606	615	625
	T4/T5	230	CFM	2067	2031	1999	1964	1932	1897	1863	1832
			Watts	821	829	838	849	859	872	880	895

NOTES:

1. Data shown is dry coil. Wet coil pressure drop is approximately 0.2" H_2O, for three-row indoor coil; and 0.3" H_2O, for four-row indoor coil.
2. Data shown does not include filter pressure drop, approx. 0.08" H2O.
3. Reduce airflow by 2% for 208V operation.
4. ALL MODELS SHOULD RUN NO LESS THAN 300 CFM/TON.
5. For high static applications, see blower performance table for selecting appropriate speed tap.

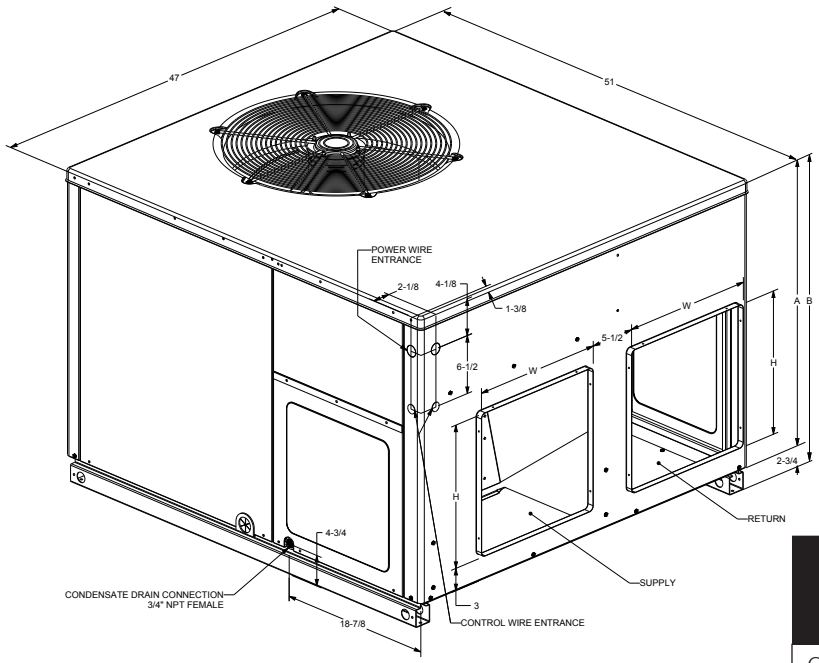
Model and Heat Kit Usage	Circuit #1		Circuit #2		Single-Point Kit		Actual kW
	MCA[1]	MOP[2]	MCA[1]	MOP[2]	MCA[1]	MOP[2]	
GPHM32431							
HKTPD051	24.7	25	-	-	43.18	45	4.75
HKTPD081	36.5	40	-	-	54.98	60	7
HKTPD101	49.5	50	-	-	67.98	70	9.5
GPHM33031							
HKTPD051	24.7	25	-	-	45.9	50	4.75
HKTPD081	36.5	40	-	-	57.7	60	7
HKTPD101	49.5	50	-	-	70.7	80	9.5
HKTPD151	49.5	50	24.7	25	95.4	100	14.25
GPHM33631							
HKTPD051	24.7	25	-	-	50.46	60	4.75
HKTPD081	36.5	40	-	-	62.26	70	7
HKTPD101	49.5	50	-	-	75.26	80	9.5
HKTPD151	49.5	50	24.7	25	99.96	100	14.25
GPHM34231							
HKTPD051	24.7	25	-	-	52.22	60	4.75
HKTPD081	36.5	40	-	-	64.02	70	7
HKTPD101	49.5	50	-	-	77.02	80	9.5
HKTPD151	49.5	50	24.7	25	101.72	110	14.25
GPHM34831							
HKTPD051	24.7	25	-	-	56.34	70	4.75
HKTPD081	36.5	40	-	-	68.14	80	7
HKTPD101	49.5	50	-	-	81.14	90	9.5
HKTPD151	49.5	50	24.7	25	105.84	110	14.25
HKTPD191	49.5	50	49.5	50	130.64	150	19
GPHM36031							
HKTPD051	24.7	25	-	-	67.54	80	4.75
HKTPD081	36.5	40	-	-	79.34	90	7
HKTPD101	49.5	50	-	-	92.34	100	9.5
HKTPD151	49.5	50	24.7	25	117.04	125	14.25
HKTPD201	49.5	50	49.5	50	141.84	150	19

[1] Minimum Circuit Ampacity

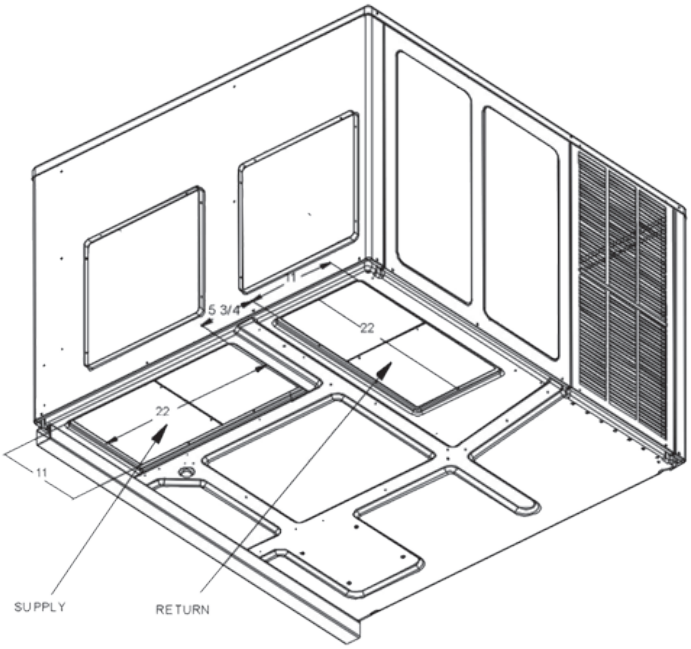
[2] Maximum Overcurrent Protection Device

Heating kW Correction Factor					
Supply Votage	**240**	**230**	**220**	**210**	**208**
Correction Factor	**1.0**	**0.93**	**0.85**	**0.78**	**0.76**

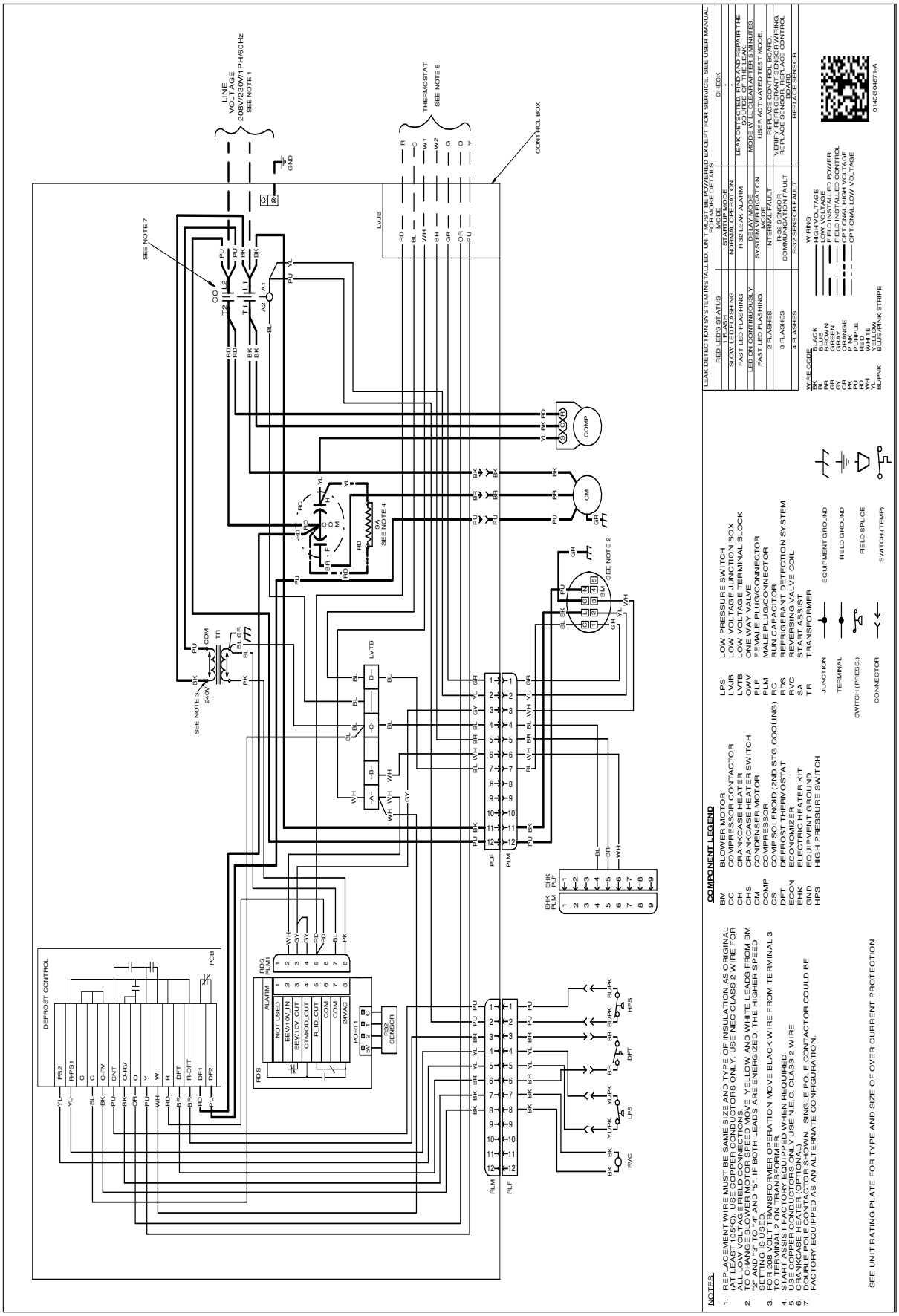
Multiply rated kW by correction factor to get actual kW



Model	Unit Dimensions (Inches)				Chassis Size
			Height		
	W	D	A	B	
GPHM32431	47	51	32	34¾	Medium
GPHM33031	47	51	32	34¾	Medium
GPHM33631	47	51	32	34¾	Medium
GPHM34231	47	51	40	42¾	Large
GPHM34831	47	51	40	42¾	Large
GPHM36031	47	51	40	42¾	Large



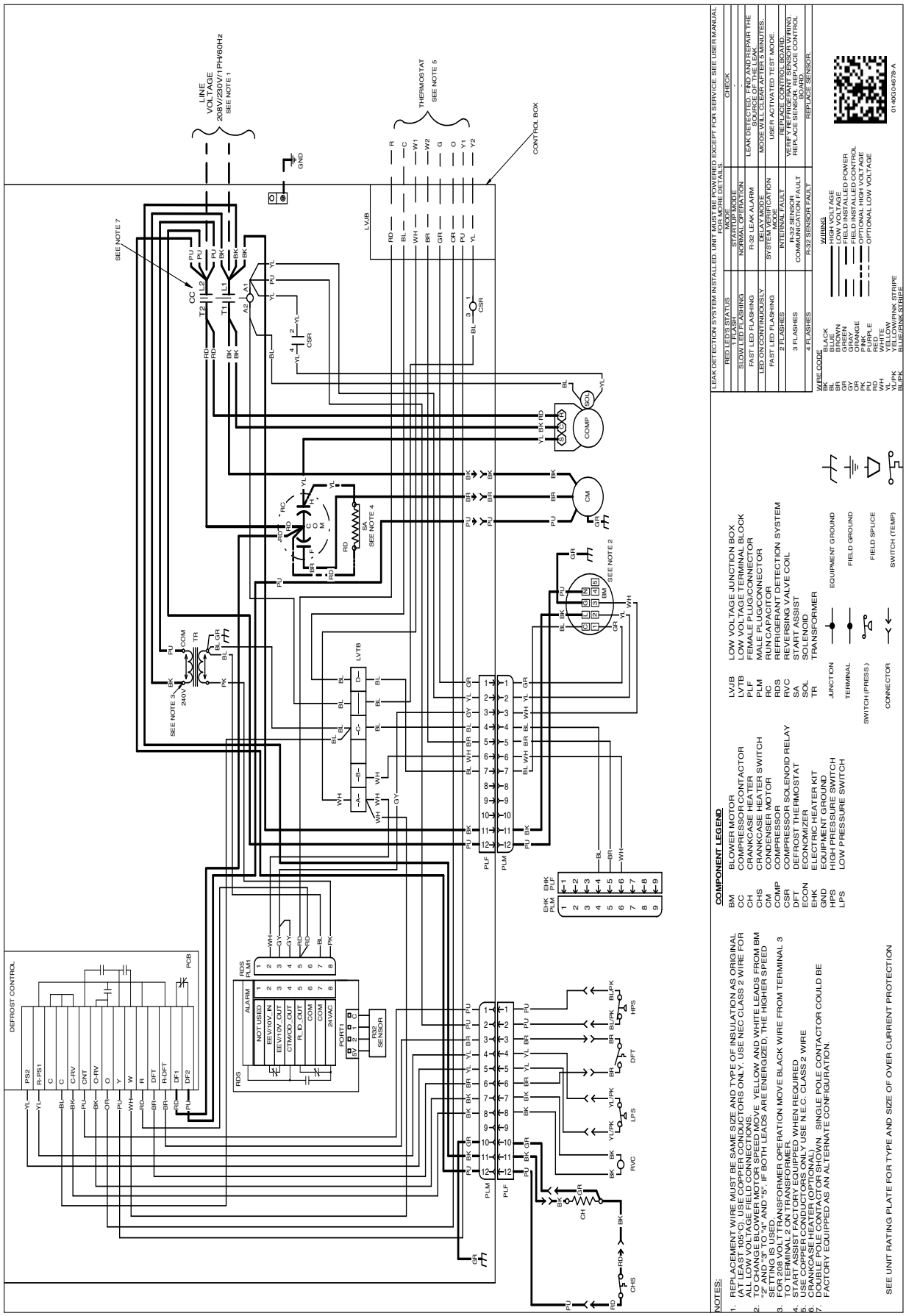
Model	Duct Openings			
	Supply		Return	
	W	H	W	H
GPHM32431	16	16	16	16
GPHM33031	16	16	16	16
GPHM33631	16	16	16	16
GPHM34231	16	18	16	18
GPHM34831	16	18	16	18
GPHM36031	16	18	16	18



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 on 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.

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

Accessory Description	Item Number	
	Medium Chassis	Large Chassis
Concentric Kit	CDK36	CDK4872
Downflow Economizer**	GPJMED102	GPJMED103
Downflow Internal Filter Rack	DDNIFRPCHMM	DDNIFRPCHML
Downflow Manual Damper	PGMDD101/102	PGMDD103
Downflow Motorized Damper	PGMDMD101/102	PGMDMD103
Downflow Square to Round	SQRPG101/102	SQRPG103
Horizontal Duct Cover*	20464501PDGK	20464502PDGK
Downflow Conversion Kit**	DWNFLWCONV	DWNFLWCONV
Economizer Wiring Harness***	0259L00411	0259L00411
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Duct Cover	20464501PDGK	20464502PDGK
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHL
Horizontal Manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRPGH102	SQRPGH103
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Outdoor Thermostat Kit (Only for GPHM5(24,30)31	OTHPPKG-01	-
Roof Curb	D14CRBPGCHMA	D14CRBPGCHMA

*Required for all downflow installations.
**Either a "Downflow Economizer" or a "Downflow Conversion Kit" is mandatory for all downflow installations.
***Required for installation of Economizers.

The manufacturing entity reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.