



Air Conditioning & Heating

GPHH5

PACKAGED HEAT PUMPS

15.2 SEER2

2 TO 5 TONS



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Standard Features

- High-efficiency scroll compressor
- Multi-speed ECM indoor blower motor
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged system
- Quiet horizontal discharge
- Electric heat kit available as a field-installed option
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish
- Louvered condenser coil protection
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated blower compartment with convenient access panels
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193
- One footprint for all tonnages
- When properly anchored, meets the 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

**10
YEAR
PARTS
LIMITED
WARRANTY***

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LISTED**

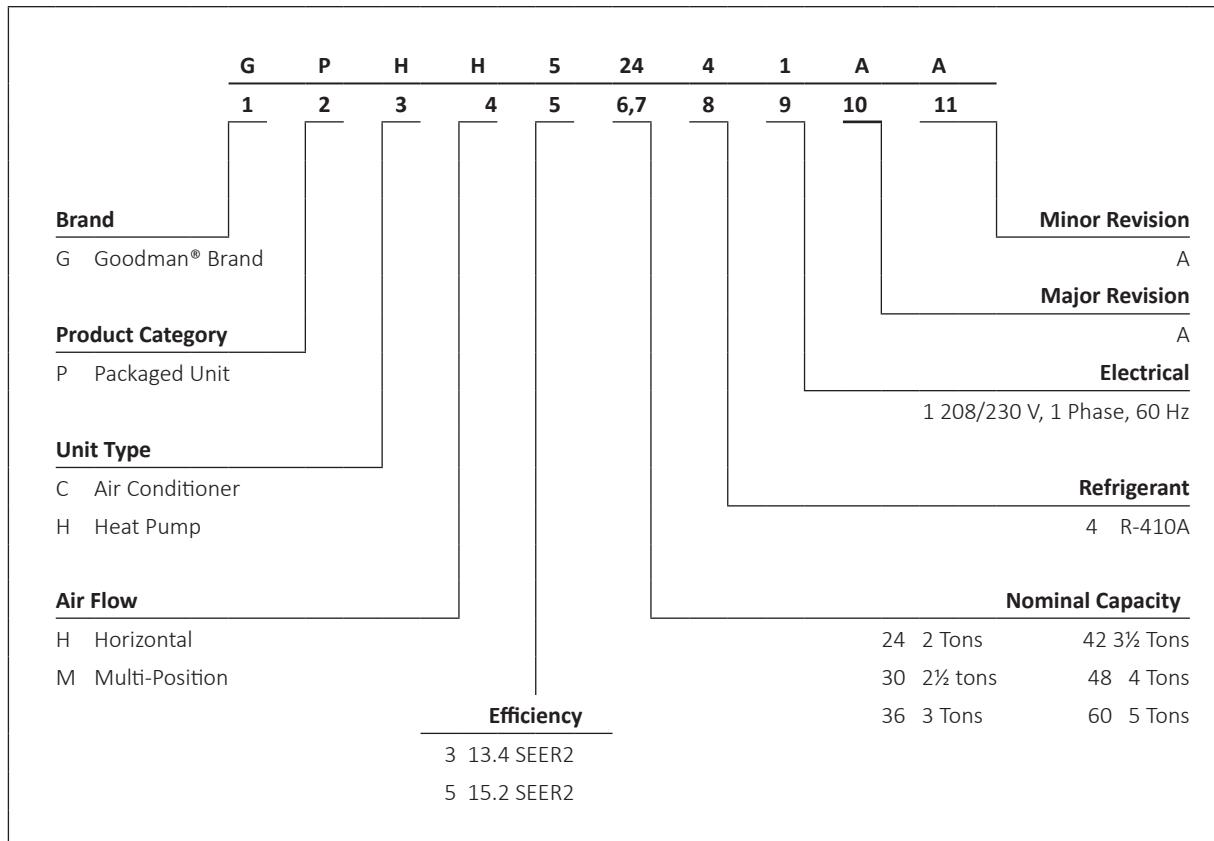
**AHRI CERTIFIED[®]
www.ahri.com/certified**

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

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



* Complete warranty details available from your local dealer or at www.amana-hac.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec. The duration of warranty coverages in Texas and Florida differs in some cases.



	GPHH5 2441**	GPHH5 3041**	GPHH5 3641**	GPHH5 4241**	GPHH5 4841**	GPHH5 6041**
COOLING CAPACITY						
Total BTU/h	24,000	27,600	34,800	42,000	46,000	57,250
Sensible BTU/h	18,288	22,411	27,179	31,458	35,788	41,564
SEER2 / EER2	15.0 / 11.4	15.2 / 11.4	15.2 / 11.4	15.2 / 11.4	15.2 / 11.2	15.2 / 11.4
AHRI Numbers	208842422	208842423	208842424	208842425	208842426	208842427
HEATING CAPACITY						
BTU/h (47°F)	22,800	27,600	32,200	40,000	44,000	54,500
C.O.P. (47°F)	3.73	3.26	3.74	3.54	3.55	3.60
BTU/h (17°F)	13,000	14,800	18,300	21,600	26,000	33,200
C.O.P. (17°F)	2.48	2.32	2.34	2.29	2.30	2.40
HSPF2	6.70	6.70	6.70	6.70	6.70	7.00
EVAPORATOR MOTOR						
Type	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10" x 8"	11" x 8"				
Cooling CFM ³	875	1,050	1,200	1,300	1,600	1,700
Fan-Only CFM	800	950	1,100	1,200	1,400	1,600
No. of Speeds	5	5	5	5	5	5
Horsepower - RPM	½ - 1,050	½ - 1,050	½ - 1,050	¾ - 1,050	¾ - 1,050	¾ - 1,050
EVAPORATOR COIL						
Face Area (ft ²)	5.26	5.26	6.23	6.23	6.23	7.01
Rows Deep	4	4	4	4	4	4
Fins per Inch	14	14	14	14	14	14
Metering Device Type	TXV	TXV	TXV	TXV	TXV	TXV
Drain Size (NPT)	¾" - 14 NPT					
Refrigerant Charge (oz.)	116	116	170	170	170	175
CONDENSER FAN						
Horsepower - RPM	1/6 - 810	1/6 - 810	1/6 - 810	1/4 - 1075	1/4 - 1075	1/4 - 1075
Fan Diameter	22	22	22	22	22	22
# of Fan Blades	3	3	4	4	4	4
CONDENSER COIL						
Face Area (ft ²)	14.4	13.92	13.92	16.5	16.5	18.85
Rows Deep	2	2	2	2	2	2
Fins per Inch	16	16	16	16	16	20
Metering Device Type	Piston	Piston	Piston	TXV	TXV	TXV
COMPRESSOR						
Quantity	1	1	1	1	1	1
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Two	Two	Two
SOUND POWER						
dBA	76	76	78	79	80	80
ELECTRICAL DATA						
Compressor RLA/LRA	12.8 / 58.3	14.1 / 67.9	14.1 / 72.2	19.9/150.7	21.2 / 104.0	23.7 / 151.0
Voltage/Phase (60 Hz)	208-230 / 1	208-230 / 1	208-230 / 1	208-230 / 1	208-230 / 1	208-230 / 1
Indoor Blower FLA	3.8	3.8	3.8	3.8	5.4	5.4
Outdoor Fan FLA	0.95	0.95	1.3	1.4	1.4	1.4
M.C.A. ¹	20.8	22.4	22.7	30.1	33.3	38.8
M.O.P. ²	30	35	35	50	50	60
OPERATING WEIGHTS (LBS)	315	315	375	375	405	405
SHIPPING WEIGHTS (LBS)	324	324	385	385	415	415

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

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

³ Factory

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

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										115								
		65					75					85			95			105		
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71			
700	MBh	24.2	24.6	25.3	-	24.0	24.4	25.1	-	23.4	23.7	24.5	-	22.3	22.6	23.4	-	21.0	21.3	22.0
	S/T	0.56	0.48	0.34	-	0.56	0.49	0.35	-	0.59	0.51	0.38	-	0.61	0.53	0.40	-	1.00	0.55	0.42
	ΔT	17.69	16.12	13.18	-	17.65	16.07	13.14	-	17.87	16.30	13.36	-	17.63	16.06	13.12	-	17.42	15.85	12.91
	kW	1.51	1.51	1.50	-	1.70	1.70	1.70	-	1.92	1.91	1.91	-	2.15	2.14	2.14	-	2.41	2.41	2.40
	Amps	6.01	6.00	5.99	-	6.89	6.89	6.87	-	7.88	7.87	7.86	-	8.94	8.94	8.92	-	10.13	10.13	10.11
	Hi PR	242	243	245	-	281	282	283	-	321	322	324	-	364	365	367	-	411	412	414
70	Lo PR	121	123	126	-	129	130	133	-	135	137	140	-	141	142	145	-	146	148	151
	MBh	24.5	24.9	25.6	-	24.3	24.6	25.4	-	23.7	24.0	24.7	-	22.6	22.9	23.6	-	21.2	21.6	22.3
	S/T	0.63	0.55	0.42	-	0.64	0.56	0.42	-	0.66	0.59	0.45	-	0.68	0.60	0.47	-	1.00	0.63	0.49
	ΔT	16.69	15.12	12.18	-	16.65	15.08	12.14	-	16.87	15.30	12.36	-	16.63	15.06	12.12	-	16.42	14.85	11.91
	kW	1.52	1.52	1.51	-	1.71	1.71	1.71	-	1.93	1.92	1.92	-	2.16	2.16	2.15	-	2.42	2.42	2.41
	Amps	6.06	6.05	6.04	-	6.94	6.93	6.92	-	7.93	7.92	7.90	-	8.99	8.98	8.97	-	10.18	10.18	10.16
70	Hi PR	244	245	247	-	283	284	285	-	323	324	326	-	366	367	369	-	413	414	416
	Lo PR	123	124	128	-	130	132	135	-	137	138	141	-	142	144	147	-	148	149	152
	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
	S/T	0.67	0.59	0.46	-	0.67	0.60	0.46	-	0.70	0.62	0.49	-	1.00	0.64	0.51	-	1.00	0.67	0.53
	ΔT	16.06	14.49	11.55	-	16.02	14.44	11.51	-	16.24	14.67	11.73	-	16.00	14.43	11.49	-	15.79	14.22	11.28
	kW	1.52	1.52	1.52	-	1.72	1.72	1.71	-	1.93	1.93	1.93	-	2.17	2.16	2.16	-	2.43	2.42	2.42
875	Amps	6.09	6.08	6.07	-	6.97	6.96	6.95	-	7.96	7.95	7.93	-	9.02	9.02	9.00	-	10.21	10.21	10.19
	Hi PR	246	247	248	-	284	285	287	-	324	325	327	-	368	369	370	-	414	415	417
	Lo PR	124	126	129	-	132	133	136	-	138	140	143	-	144	145	148	-	149	151	154
	MBh	24.3	24.6	25.3	26.5	24.0	24.4	25.1	26.2	23.4	23.8	24.5	25.6	22.3	22.7	23.4	24.5	21.0	21.3	22.0
	S/T	0.69	0.61	0.47	0.3	0.69	0.62	0.48	0.3	1.00	0.64	0.51	0.4	1.00	0.66	0.52	0.4	1.00	0.68	0.55
	ΔT	21.15	19.58	16.64	13.6	21.11	19.53	16.60	13.6	21.33	19.76	16.82	13.8	21.09	19.52	16.58	13.5	20.88	19.31	16.37
70	kW	1.51	1.50	1.50	1.5	1.70	1.70	1.69	1.7	1.91	1.91	1.91	1.9	2.15	2.15	2.14	2.2	2.41	2.41	2.40
	Amps	6.00	6.00	5.98	6.0	6.89	6.88	6.86	6.9	7.87	7.86	7.85	7.9	8.94	8.93	8.92	9.0	10.13	10.12	10.11
	Hi PR	242	243	245	249.4	281	282	284	287.8	321	322	324	328.1	364	365	367	371.4	411	412	414
	Lo PR	121	123	126	131.2	129	130	133	138.6	135	137	140	145.1	141	142	145	150.6	146	148	151
	MBh	24.5	24.9	25.6	26.7	24.3	24.7	25.4	26.5	23.7	24.0	24.7	25.9	22.6	22.9	23.6	24.8	21.2	21.6	22.3
	S/T	0.76	0.68	0.55	0.4	0.77	0.69	0.55	0.4	1.00	0.71	0.58	0.4	1.00	0.73	0.60	0.5	1.00	0.76	0.62
75	ΔT	20.15	18.58	15.64	12.6	20.11	18.53	15.60	12.6	20.33	18.76	15.82	12.8	20.09	18.52	15.58	12.5	19.88	18.31	15.37
	kW	1.52	1.52	1.51	1.5	1.71	1.71	1.70	1.7	1.92	1.92	1.92	1.9	2.16	2.16	2.15	2.2	2.42	2.42	2.41
	Amps	6.05	6.05	6.03	6.1	6.94	6.93	6.91	7.0	7.92	7.91	7.90	8.0	8.99	8.98	8.96	9.0	10.18	10.17	10.15
	Hi PR	244	245	247	251.4	283	284	286	289.8	323	324	326	330.1	366	367	369	373.4	413	414	416
	Lo PR	123	124	128	130	132	135	140.2	137	138	142	146.7	142	144	147	152.2	148	149	152	157.6
	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
875	S/T	0.80	0.72	0.59	0.4	0.80	0.73	0.59	0.4	1.00	0.75	0.62	0.5	1.00	0.77	0.64	0.5	1.00	0.79	0.66
	ΔT	19.52	17.95	15.01	12.0	19.48	17.90	14.97	11.9	19.70	18.12	15.19	12.1	19.46	17.89	14.95	11.9	19.25	17.68	14.74
	kW	1.52	1.52	1.52	1.5	1.72	1.71	1.71	1.7	1.93	1.93	1.93	1.9	2.16	2.16	2.16	2.2	2.42	2.42	2.4
	Amps	6.08	6.08	6.06	6.1	6.97	6.96	6.94	7.0	7.95	7.94	7.93	8.0	9.02	9.01	8.99	9.1	10.21	10.20	10.19
	Hi PR	246	247	249	252.8	284	285	287	291.2	324	326	327	331.5	368	369	371	374.8	415	416	417
	Lo PR	124	126	129	134.0	132	133	136	141.4	138	140	143	148.0	144	145	148	153.5	149	151	154

		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
		22.3	22.6	23.4	-	0.61	0.53	0.40	-	1.00	0.55	0.42	-	21.0	21.3	22.0	-
		17.63	16.06	13.12	-	17.42	15.85	12.91	-	18.41	16.83	13.90	-	17.41	15.83	12.90	-
		14.22	11.49	10.11	-	15.79	14.22	11.28	-	16.78	15.20	12.27	-	16.78	15.20	12.27	-
		11.28	10.16	9.11	-	10.13	10.12	10.11	-	10.21	10.21	10.19	-	11.61	11.60	11.59	-
		10.19	10.19	10.19	-	10.21	10.21	10.21	-	10.21	10.21	10.21	-	11.57	11.57	11.57	-
		14.9	15.1	15.4	-	14.9	15.1	15.4	-	15.6	15.7	15.9	-	15.6	15.7	15.9	-
		19.7	20.1	20.8	-	20.0	20.3	21.1	-	20.2	20.6	21.3	-	20.0	20.4	21.1	22.2
		21.8	22.5	23.2	-	21.0	21.3	22.0	-	21.3	21.6	22.3	-	21.2	21.5	22.2	-
		13.3	13.3	13.3	-	13.5	13.5	13.5	-	13.3	13.3	13.3	-	13.3	13.3	13.3	-
		21.87	20.29	17.36	-	21.87	20.29	17.36	-	21.87	20.29	17.36	-	21.87	20.29	17.36	-
		12.3	12.3	12.3	-	12.3	12.3	12.3	-	12.3	12.3	12.3	-	12.3	12.3	12.3	-
		20.87	19.29	16.36	-	20.87	19.29	16.36	-	20.87	19.29	16.36	-	20.87	19.29	16.36	-
		19.31	18.31	15.37	-	19.31	18.31	15.37	-	19.31	18.31	15.37	-	19.31	18.31	15.37	-
		15.37	14.37	11.37	-	15.37	14.37	11.37	-	15.37	14.37	11.37	-	15.37	14.37	11.37	-
		11.37	10.37	10.37	-	11.37	10.37	10.37	-	11.37	10.37	10.37	-	11.37			

		OUTDOOR AMBIENT TEMPERATURE																																			
		65						75						85						95						105						115					
		AIRFLOW		59			63			67			71			59			63			67			71			59			63			67			
700	M/Bh	24.4	24.7	25.5	26.6	24.2	24.5	25.2	26.4	23.5	23.9	24.6	25.7	22.4	22.8	23.5	24.6	21.1	21.4	22.2	23.3	19.9	20.2	20.9	22.1												
	S/T	0.81	0.74	0.60	0.5	1.00	0.74	0.61	0.5	1.00	0.77	0.63	0.5	1.00	0.79	0.65	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.72	0.6												
	ΔT	24.63	23.06	20.12	17.1	24.59	23.02	20.08	17.0	24.81	23.24	20.30	17.3	24.57	23.00	20.06	17.0	24.36	22.79	19.85	16.8	25.35	23.78	20.84	17.8												
	kW	1.51	1.51	1.50	1.5	1.70	1.70	1.69	1.7	1.92	1.91	1.91	1.9	2.15	2.14	2.2	2.2	2.41	2.41	2.40	2.4	2.71	2.71	2.71	2.7												
	Amps	6.01	6.00	5.99	6.1	6.89	6.88	6.87	6.9	7.88	7.87	7.85	7.9	8.94	8.92	9.0	10.13	10.13	10.11	10.2	11.53	11.52	11.51	11.6													
	Hi PR	243	244	246	249	249.8	281	282	284	288.3	321	323	324	328.5	365	366	368	371.8	412	413	414	418.6	461	462	464	468.5											
80	Lo PR	122	123	127	131.7	129	131	134	139.2	136	137	140	145.7	141	143	146	151.2	147	148	151	156.6	154	155	158	163.4												
	M/Bh	24.7	25.0	25.7	26.8	24.4	24.8	25.5	26.6	23.8	24.1	24.9	26.0	22.7	23.0	23.8	24.9	21.4	21.7	22.4	23.5	20.1	20.5	21.2	22.3												
	S/T	1.00	0.81	0.67	0.5	1.00	0.82	0.68	0.5	1.00	0.84	0.70	0.6	1.00	0.86	0.72	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.80	0.7												
	ΔT	23.63	22.06	19.12	16.1	23.59	22.02	19.08	16.0	23.81	22.24	19.30	16.3	23.57	22.00	19.06	16.0	23.36	21.79	18.85	15.8	24.35	22.78	19.84	16.8												
	kW	1.52	1.52	1.51	1.5	1.71	1.71	1.71	1.7	1.93	1.92	1.92	1.9	2.16	2.15	2.2	2.2	2.42	2.42	2.41	2.4	2.72	2.72	2.72	2.7												
	Amps	6.06	6.05	6.04	6.1	6.94	6.93	6.92	7.0	7.92	7.90	8.0	8.99	8.98	8.97	9.0	10.18	10.17	10.16	10.2	11.58	11.57	11.56	11.6													
80	Hi PR	245	246	248	251.8	283	284	286	290.3	323	325	326	330.5	367	368	370	373.9	414	415	416	420.6	463	464	466	470.5												
	Lo PR	123	125	128	133.3	131	132	136	140.7	137	139	142	147.3	143	144	148	152.8	148	150	153	158.2	155	157	160	165.0												
	M/Bh	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	0.85	0.71	0.6	1.00	0.85	0.72	0.6	1.00	0.88	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.84	0.7												
	ΔT	23.00	21.43	18.49	15.4	22.96	21.39	18.45	15.4	23.18	21.61	18.67	15.6	22.94	21.37	18.43	15.4	22.73	21.16	18.22	15.2	23.72	22.14	19.21	16.2												
	kW	1.52	1.52	1.52	1.5	1.72	1.72	1.71	1.7	1.93	1.93	1.93	1.9	2.17	2.16	2.2	2.2	2.43	2.42	2.42	2.4	2.73	2.73	2.73	2.7												
875	Amps	6.09	6.08	6.07	6.1	6.97	6.96	6.95	7.0	7.96	7.95	7.93	8.0	9.02	9.01	9.00	9.1	10.21	10.20	10.19	10.3	11.61	11.60	11.59	11.7												
	Hi PR	246	247	249	253.2	285	286	287	291.7	325	326	328	331.9	368	369	371	375.3	415	416	418	422.0	465	466	468	471.9												
	Lo PR	125	126	129	134.5	132	134	137	142.0	139	140	143	148.5	144	146	149	154.0	150	151	154	159.4	156	158	161	166.2												
700	M/Bh	24.8	25.1	25.9	27.0	24.6	24.9	25.7	26.8	23.9	24.3	25.0	26.1	22.8	23.2	23.9	25.0	21.5	21.9	22.6	23.7	20.3	20.6	21.4	22.5												
	S/T	1.00	0.84	0.70	0.6	1.00	0.84	0.71	0.6	1.00	0.81	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.84	0.7												
	ΔT	27.72	26.15	23.21	20.2	27.68	26.11	23.17	20.1	27.90	26.33	23.39	20.3	27.66	26.09	23.15	20.1	27.45	25.88	22.94	19.9	28.44	26.86	23.93	20.9												
	kW	1.51	1.51	1.51	1.5	1.70	1.70	1.70	1.7	1.92	1.92	1.91	1.9	2.15	2.15	2.2	2.2	2.41	2.41	2.41	2.4	2.72	2.72	2.72	2.7												
	Amps	6.03	6.02	6.00	6.1	6.91	6.90	6.89	7.0	7.89	7.87	7.9	8.96	8.95	8.94	9.0	10.15	10.14	10.13	10.2	11.55	11.54	11.53	11.6													
	Hi PR	244	245	247	251.0	282	283	285	289.4	323	324	325	329.6	366	367	373.0	413	414	415	419.7	463	464	465	469.6													
85	Lo PR	125	127	130	135.1	133	134	137	142.6	139	141	144	149.1	145	146	149	154.6	150	152	155	160.0	157	158	162	166.8												
	M/Bh	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	0.95	0.81	0.7	1.00	1.00	0.82	0.7	1.00	0.84	0.74	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.89	0.7	1.00	1.00	0.84	0.7												
	ΔT	26.09	24.52	21.58	18.5	26.05	24.47	21.54	18.5	26.27	24.70	21.76	18.7	26.03	24.46	21.52	18.5	25.82	24.25	21.31	18.3	26.81	25.23	22.30	19.3												
	kW	1.53	1.53	1.52	1.5	1.72	1.72	1.71	1.7	1.94	1.93	1.93	1.9	2.17	2.16	2.2	2.2	2.43	2.43	2.42	2.4	2.73	2.73	2.73	2.7												
	Amps	6.10	6.10	6.08	6.2	6.99	6.98	6.96	7.0	7.97	7.95	8.0	9.04	9.03	9.02	9.1	10.23	10.22	10.21	10.3	11.63	11.62	11.60	11.7													
875	Hi PR	247	248	250	254.4	286	287	289	292.8	326	327	329	333.1	369	370	372	376.4	416	417	419	423.1	466	467	469	473.0												
	Lo PR	127	128	131	136.4	134	135	139	143.8	141	142	145	150.3	146	148	151	155.9	151	153	156	161.3	158	158	160	163												

IDB = Entering Indoor Dry Bulb Temperature

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

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

Shaded area reflects AHRI conditions.

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

KV = Total system power

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										105							115					
		65	75	85						95						59	63	67	71	59	63	67	71	
875	MBh	0.0	28.4	29.2	-	27.7	28.1	29.0	-	27.0	27.4	28.2	-	25.7	26.1	27.0	-	24.2	24.6	25.4	-	22.8	23.2	24.0
	S/T	0.62	0.54	0.39	-	0.63	0.54	0.40	-	0.65	0.57	0.43	-	1.00	0.59	0.45	-	1.00	0.62	0.47	-	1.00	0.67	0.53
	ΔT	18.23	16.58	13.50	-	18.19	16.54	13.46	-	18.42	16.77	13.69	-	18.17	16.52	13.44	-	17.95	16.30	13.22	-	18.98	17.33	14.25
	kW	1.74	1.73	1.73	-	1.96	1.96	1.95	-	2.21	2.20	2.20	-	2.47	2.47	2.47	-	2.77	2.77	2.77	-	3.13	3.12	3.12
	Amps	6.84	6.83	6.81	-	7.86	7.85	7.83	-	8.99	8.98	8.97	-	10.22	10.21	10.20	-	11.59	11.59	11.57	-	13.21	13.20	13.18
	Hi PR	249	251	252	-	289	290	292	-	330	331	333	-	375	376	378	-	423	424	426	-	474	475	477
70	Lo PR	124	126	129	-	132	134	137	-	139	140	143	-	144	146	149	-	150	151	155	-	157	158	161
	MBh	28.4	28.8	29.7	-	28.2	28.6	29.4	-	27.5	27.9	28.7	-	26.2	26.6	27.4	-	24.7	25.1	25.9	-	23.3	23.6	24.5
	S/T	0.71	0.63	0.49	-	0.72	0.64	0.49	-	0.75	0.66	0.52	-	1.00	0.69	0.54	-	1.00	0.71	0.56	-	1.00	0.76	0.62
	ΔT	16.85	15.20	12.12	-	16.81	15.16	12.07	-	17.04	15.39	12.31	-	16.79	15.14	12.06	-	16.57	14.92	11.84	-	17.60	15.95	12.87
	kW	1.75	1.75	1.75	-	1.97	1.97	1.97	-	2.22	2.22	2.22	-	2.49	2.49	2.48	-	2.79	2.79	2.78	-	3.14	3.14	3.14
	Amps	6.91	6.90	6.89	-	7.93	7.92	7.90	-	9.06	9.06	9.04	-	10.29	10.29	10.27	-	11.67	11.66	11.64	-	13.28	13.27	13.25
1050	Hi PR	252	253	255	-	292	293	295	-	333	334	336	-	378	379	381	-	426	427	429	-	477	478	480
	Lo PR	127	128	132	-	134	136	139	-	141	143	146	-	147	148	151	-	152	154	157	-	159	161	164
	MBh	28.7	29.1	29.9	-	28.4	28.8	29.7	-	27.7	28.1	28.9	-	26.4	26.8	27.7	-	24.9	25.3	26.1	-	23.5	23.9	24.7
	S/T	0.74	0.65	0.51	-	0.74	0.66	0.52	-	0.77	0.69	0.54	-	1.00	0.71	0.56	-	1.00	0.73	0.59	-	1.00	0.79	0.64
	ΔT	16.36	14.71	11.63	-	16.31	14.66	11.58	-	16.55	14.89	11.81	-	16.30	14.65	11.56	-	16.08	14.42	11.34	-	17.11	15.46	12.38
	kW	1.76	1.76	1.75	-	1.98	1.98	1.97	-	2.23	2.23	2.22	-	2.50	2.49	2.49	-	2.80	2.79	2.79	-	3.15	3.15	3.14
1125	Amps	6.94	6.93	6.91	-	7.95	7.95	7.93	-	9.09	9.08	9.07	-	10.32	10.31	10.29	-	11.69	11.69	11.67	-	13.30	13.30	13.28
	Hi PR	254	255	256	-	293	294	296	-	334	335	337	-	379	380	382	-	427	428	430	-	478	479	481
	Lo PR	128	130	133	-	136	137	140	-	142	144	147	-	148	149	153	-	153	155	158	-	160	162	165

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										105							115					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71			
875	MBh	28.0	28.4	29.2	30.5	27.7	28.1	29.0	30.3	27.0	27.4	28.2	29.5	25.7	26.1	27.0	28.3	24.2	24.6	25.4	26.7	22.8	23.2	24.0
	S/T	0.76	0.68	0.53	0.4	0.76	0.68	0.54	0.4	1.00	0.71	0.56	0.4	1.00	0.73	0.59	0.4	1.00	0.75	0.61	0.5	1.00	1.00	0.66
	ΔT	21.86	20.21	17.13	13.9	21.82	20.17	17.08	13.9	22.05	20.40	17.32	14.1	21.80	20.15	17.07	13.9	21.58	19.93	16.85	13.7	22.61	20.96	17.88
	kW	1.73	1.73	1.73	1.7	1.96	1.95	1.95	2.0	2.20	2.20	2.20	2.2	2.47	2.47	2.47	2.5	2.77	2.77	2.77	2.7	3.12	3.12	3.1
	Amps	6.83	6.82	6.81	6.9	7.85	7.84	7.82	7.9	8.98	8.98	8.96	9.0	10.21	10.21	10.19	10.3	11.59	11.58	11.56	11.6	13.20	13.19	13.17
	Hi PR	250	251	253	256.9	289	290	292	296.4	331	332	333	333	375	376	378	382.3	423	424	426	430.3	474	475	481.6
70	Lo PR	124	126	129	134.5	132	134	137	142.1	139	140	143	148.8	144	146	149	154.4	150	151	155	159.9	157	158	166.9
	MBh	28.5	28.9	29.7	31.0	28.2	28.6	29.4	30.7	27.5	27.9	28.7	30.0	26.2	26.6	27.5	28.7	24.7	25.1	25.9	27.2	23.3	23.7	24.5
	S/T	0.85	0.77	0.62	0.5	1.00	0.78	0.63	0.5	1.00	0.80	0.66	0.5	1.00	0.82	0.68	0.5	1.00	0.85	0.70	0.5	1.00	1.00	0.66
	ΔT	20.48	18.83	15.75	12.6	20.44	18.79	15.70	12.5	20.67	19.02	15.94	12.7	20.42	18.77	15.69	12.5	20.20	18.55	15.47	12.3	21.23	19.58	16.50
	kW	1.75	1.75	1.74	1.8	1.97	1.97	1.97	2.0	2.22	2.22	2.21	2.2	2.49	2.49	2.48	2.5	2.79	2.79	2.78	2.8	3.14	3.14	3.2
	Amps	6.90	6.90	6.88	7.0	7.92	7.91	7.90	8.0	9.06	9.05	9.03	9.1	10.29	10.28	10.26	10.3	11.66	11.64	11.64	11.7	13.27	13.26	13.25
1050	Hi PR	253	254	255	259.8	292	293	295	299.3	333	335	336	336	378	379	381	385.2	426	427	429	433.2	477	478	480.5
	Lo PR	127	128	132	136.9	134	136	139	144.5	141	143	146	151.2	147	148	148	152	156.8	154	157	162.4	159	161	169.3
	MBh	28.7	29.1	29.9	31.2	28.5	28.9	29.7	31.0	27.7	28.1	29.0	30.2	26.5	26.9	27.7	29.0	24.9	25.3	26.2	27.4	23.5	23.9	24.7
	S/T	0.87	0.79	0.65	0.5	1.00	0.80	0.65	0.5	1.00	0.83	0.68	0.5	1.00	0.85	0.70	0.5	1.00	0.73	0.6	1.00	1.00	0.78	0.6
	ΔT	19.99	18.34	15.25	12.1	19.94	18.29	15.21	12.0	20.17	18.52	15.44	12.2	19.93	18.27	15.19	12.0	19.71	18.05	14.97	11.8	20.74	19.09	16.01
	kW	1.76	1.75	1.75	1.8	1.98	1.98	1.97	2.0	2.23	2.22	2.22	2.2	2.49	2.49	2.48	2.5	2.79	2.79	2.78	2.8	3.15	3.14	3.2
1125	Amps	6.93	6.92	6.91	7.0	7.95	7.94	7.92	8.0	9.08	9.06	9.1	10.31	10.31	10.29	10.4	11.69	11.68	11.66	11.7	13.30	13.29	13.27	
	Hi PR	254	255	257	261.0	293	294	296	300.4	335	336	337	337	341.8	341.8	341.8	341.8	380	382	386.4	427	428	430	434.4
	Lo PR	128	130	133	138.1	136	137	140	145.7	142	144	147	152.3	148	149	149	153	155	158	158	160	162	165	170.4

IDB = Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction access fittings.
Design Subcooling 5-7°F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

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

IDB	Airflow	Outdoor Ambient Temperature																								
		65°F				75°F				85°F				95°F			105°F			115°F						
Entering Indoor Wet Bulb Temperature		59		63		67		71		59		63		67		71		59		63		67				
875	MBh	28.1	28.5	29.4	30.6	27.9	28.3	29.1	30.4	27.1	27.5	28.4	29.7	25.9	26.3	27.1	28.4	24.3	24.7	25.6	26.9	22.9	23.3	24.2	25.5	
	S/T	1.00	0.81	0.67	0.5	1.00	0.82	0.67	0.5	1.00	0.84	0.70	0.5	1.00	1.00	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.80	0.6	
	ΔT	25.52	23.87	20.78	17.6	25.47	23.82	20.74	17.5	25.70	24.05	20.97	17.8	25.46	23.80	20.72	17.5	25.23	23.58	20.50	17.3	26.27	24.62	21.54	18.3	
	kW	1.73	1.73	1.73	1.7	1.96	1.95	2.0	1.95	2.21	2.20	2.20	2.2	2.47	2.47	2.47	2.5	2.77	2.77	2.77	2.77	2.8	3.13	3.12	3.1	
	Amps	6.84	6.83	6.81	6.9	7.85	7.85	7.83	7.9	8.99	8.98	8.96	9.0	10.22	10.21	10.19	10.3	11.59	11.58	11.57	11.56	13.20	13.20	13.18	13.3	
	Hi PR	250	251	253	250	257.4	290	291	292	296.9	331	332	334	338.2	376	377	378	382.8	424	425	426	430.8	475	476	478	482.0
	Lo PR	125	127	130	135.1	133	134	137	142.7	139	141	144	149.3	145	146	150	155.0	150	152	155	160.5	157	159	162	167.4	
80	MBh	28.6	29.0	29.8	31.1	28.4	28.8	29.6	30.9	27.6	28.0	28.9	30.1	26.4	26.8	27.6	28.9	24.8	25.2	26.1	27.3	23.4	23.8	24.7	25.9	
	S/T	1.00	0.90	0.76	0.6	1.00	0.91	0.76	0.6	1.00	0.94	0.79	0.6	1.00	1.00	0.84	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.89	0.7	
	ΔT	24.14	22.49	19.40	16.2	24.09	22.44	19.36	16.2	24.32	22.67	19.59	16.4	24.07	22.42	19.34	16.1	23.85	22.20	19.12	15.9	24.89	23.24	20.15	17.0	
	kW	1.75	1.75	1.75	1.8	1.97	1.97	1.97	1.97	2.0	2.22	2.22	2.2	2.49	2.49	2.48	2.5	2.79	2.79	2.78	2.8	3.14	3.14	3.14	3.2	
	Amps	6.91	6.90	6.88	7.0	7.93	7.92	7.90	8.0	9.06	9.04	9.04	9.1	10.29	10.28	10.27	10.3	11.67	11.64	11.64	11.7	13.28	13.27	13.25	13.3	
	Hi PR	253	254	256	260.2	293	294	295	299.7	334	335	337	341.1	378	380	381	385.6	426	428	429	433.7	478	479	481	484.9	
	Lo PR	127	129	132	137.5	135	137	140	145.1	142	143	146	151.7	147	149	152	157.4	153	154	158	162.9	160	161	165	169.8	
1125	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	27.8	29.1	25.1	25.5	26.3	27.6	23.7	24.1	24.9	26.2	
	S/T	1.00	0.93	0.78	0.6	1.00	0.93	0.79	0.6	1.00	0.96	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.91	0.8	
	ΔT	23.64	21.99	18.91	15.7	23.60	21.95	18.86	15.7	23.83	22.18	19.10	15.9	23.58	21.93	18.85	15.7	23.36	21.71	18.63	15.4	24.39	22.74	19.66	16.5	
	kW	1.76	1.75	1.75	1.8	1.98	1.98	1.97	1.97	2.0	2.23	2.23	2.2	2.50	2.49	2.49	2.5	2.80	2.79	2.79	2.8	3.15	3.15	3.14	3.2	
	Amps	6.94	6.93	6.91	7.0	7.95	7.95	7.93	8.0	9.09	9.08	9.06	9.1	10.32	10.31	10.29	10.4	11.69	11.68	11.67	11.7	13.30	13.30	13.28	13.4	
	Hi PR	254	255	257	261.4	294	295	297	300.9	335	336	338	342.3	380	381	382	386.8	428	429	430	434.8	479	480	482	486.1	
	Lo PR	129	130	133	138.6	136	138	141	146.2	143	144	148	152.9	148	150	153	158.5	154	156	159	164.0	161	162	166	171.0	
875	MBh	28.6	29.0	29.8	31.1	28.4	28.8	29.6	30.9	27.6	28.0	28.9	30.1	26.4	26.8	27.6	28.9	24.8	25.2	26.1	27.3	23.4	23.8	24.6	25.9	
	S/T	1.00	0.92	0.77	0.6	1.00	1.00	0.78	0.6	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	0.8	
	ΔT	28.76	27.11	24.03	20.8	28.71	27.06	23.98	20.8	28.95	27.29	24.21	21.0	28.70	27.05	23.96	20.8	28.48	26.82	23.74	20.5	29.51	27.86	24.78	21.6	
	kW	1.74	1.74	1.73	1.8	1.96	1.96	1.96	1.96	2.0	2.21	2.21	2.20	2.24	2.48	2.47	2.47	2.5	2.78	2.78	2.78	2.77	3.13	3.13	3.12	3.1
	Amps	6.86	6.85	6.83	6.9	7.87	7.87	7.85	7.9	9.01	9.00	8.98	9.1	10.24	10.23	10.21	10.3	11.61	11.60	11.59	11.7	13.22	13.22	13.20	13.3	
	Hi PR	251	252	254	258.5	291	292	294	298.0	332	333	335	339.4	377	378	380	383.9	425	426	428	432.0	476	477	479	483.2	
	Lo PR	127	128	132	136.9	134	136	139	144.5	141	143	146	151.2	147	148	152	156.8	152	154	157	162.4	159	161	164	169.3	
85	MBh	29.1	29.5	30.3	31.6	28.8	29.2	30.1	31.3	28.1	28.5	29.3	30.6	26.8	27.2	28.1	29.4	25.3	25.7	26.5	27.8	23.9	24.3	24.6	25.9	
	S/T	1.00	1.00	0.87	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.92	0.8	1.00	1.00	0.92	0.8	1.00	1.00	1.00	0.8	
	ΔT	27.38	25.73	22.64	19.5	27.33	25.68	22.60	19.4	27.56	25.91	22.83	19.6	27.32	25.66	22.58	19.4	27.10	25.44	22.36	19.2	28.13	26.48	23.40	20.2	
	kW	1.76	1.75	1.75	1.8	1.98	1.98	1.97	1.97	2.0	2.23	2.22	2.2	2.49	2.49	2.49	2.5	2.79	2.79	2.79	2.8	3.15	3.14	3.14	3.2	
	Amps	6.93	6.92	6.90	7.0	7.95	7.94	7.92	8.0	9.08	9.07	9.06	9.1	10.31	10.30	10.29	10.4	11.69	11.68	11.66	11.7	13.30	13.29	13.27	13.3	
	Hi PR	254	255	257	261.4	294	295	297	300.9	335	336	338	342.3	380	381	382	386.8	428	429	430	434.8	479	480	482	486.1	
	Lo PR	129	131	134	139.4	137	138	142	147.0	144	145	148	153.6	149	151	154	159.3	155	156	159	164.8	162	163	166	171.7	
1050	MBh	29.3	29.7	30.6	31.8	29.1	29.5	30.3	31.6	28.3	28.7	29.6	30.9	27.1	27.5	28.3	29.6	25.5	25.9	26.8	28.1	24.1	24.5	25.4	26.6	
	S/T	1.00	1.00	0.89	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.92	0.8	1.00	1.00	0.94	0.8	1.00	1.00	0.8	0.8	1.00	1.00	1.00	0.9	
	ΔT	26.88	25.23	22.15	19.0	26.84	25.19	22.10	18.9	27.07	25.42	22.34	19.1	26.82	25.17	22.09	18.9	26.60	24.95	21.87	18.7	27.63	25.98	22.90	19.7	
	kW	1.76	1.76	1.76	1.8	1.98	1.98	1.98	2.0	2.23	2.23	2.23	2.2	2.50	2.50	2.49	2.5	2.80	2.80	2.79	2.8	3.15	3.15	3.15	3.2	
	Amps	6.96	6.95	6.93	7.0	7.97	7.96	7.95	8.0	9.11	9.10	9.08	9.2	10.34	10.33	10.31	10.4	11.71	11.70	11.69	11.8	13.32	13.31	13.30	13.4	
	Hi PR	255	256	258	262.6	295	296	298	302.1	336	337	339	343.5	381	382	384	388.0	429	430	432.0	480	481	483	487.3		
	Lo PR	130	132	135	140.5	138	140	143	148.1	145	146	149	154.8	150	152	155	160.4	156	157	161	165.9	163	164	168	172.8	

IDB = Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction access fittings.
Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

KW = Total system power
Amps: Unit amps (comp.+ evaporator + condenser fan

EXPANDED COOLING DATA — GPHH53641**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												115											
		65				75				85				95			105			115					
		Mbh	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71			
1050	Mbh	35.4	35.9	37.0	-	35.1	35.6	36.6	-	34.2	34.7	35.7	-	32.6	33.1	34.1	-	30.6	31.1	32.2	-	28.9	29.4	30.4	-
	S/T	0.62	0.55	0.41	-	0.63	0.55	0.41	-	0.66	0.58	0.44	-	1.00	0.60	0.46	-	1.00	0.62	0.48	-	1.00	0.67	0.53	-
	ΔT	19.20	17.43	14.11	-	19.15	17.38	14.06	-	19.40	17.63	14.31	-	19.14	17.36	14.04	-	18.90	17.12	13.81	-	20.01	18.24	14.92	-
	kW	2.21	2.20	2.20	-	2.48	2.48	2.48	-	2.79	2.79	2.78	-	3.12	3.12	3.12	-	3.50	3.50	3.49	-	3.94	3.93	3.93	-
	Amps	8.85	8.84	8.82	-	10.12	10.11	10.08	-	11.53	11.52	11.50	-	13.06	13.05	13.03	-	14.77	14.76	14.73	-	16.77	16.76	16.74	-
	Hi PR	250	251	253	-	289	290	292	-	331	332	334	-	375	376	378	-	423	424	426	-	474	475	477	-
70	Lo PR	126	127	130	-	133	135	138	-	140	141	145	-	146	147	150	-	151	153	156	-	158	160	163	-
	Mbh	35.9	36.4	37.4	-	35.6	36.1	37.1	-	34.6	35.1	36.2	-	33.0	33.5	34.6	-	31.1	31.6	32.7	-	29.3	29.8	30.9	-
	S/T	0.69	0.61	0.47	-	0.69	0.61	0.47	-	0.72	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.73	0.60	-
	ΔT	18.13	16.35	13.04	-	18.08	16.31	12.99	-	18.33	16.56	13.24	-	18.06	16.29	12.97	-	17.83	16.05	12.73	-	18.94	17.16	13.85	-
	kW	2.22	2.22	2.21	-	2.50	2.49	2.49	-	2.81	2.80	2.80	-	3.14	3.14	3.13	-	3.51	3.51	3.51	-	3.95	3.95	3.94	-
	Amps	8.92	8.91	8.88	-	10.18	10.17	10.15	-	11.59	11.58	11.56	-	13.12	13.11	13.09	-	14.83	14.82	14.80	-	16.83	16.82	16.80	-
1200	Hi PR	252	253	255	-	292	293	294	-	333	334	336	-	377	378	380	-	425	426	428	-	477	478	479	-
	Lo PR	127	129	132	-	135	137	140	-	142	143	147	-	147	149	152	-	153	155	158	-	160	161	165	-
	Mbh	36.4	36.9	38.0	-	36.1	36.6	37.7	-	35.2	35.7	36.7	-	33.6	34.1	35.2	-	31.7	32.2	33.2	-	29.9	30.4	31.4	-
	S/T	0.72	0.64	0.50	-	0.73	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.72	0.58	-	1.00	1.00	0.63	-
	ΔT	17.23	15.45	12.14	-	17.18	15.40	12.09	-	17.43	15.65	12.34	-	17.16	15.38	12.07	-	16.92	15.15	11.83	-	18.04	16.26	12.94	-
	kW	2.23	2.23	2.23	-	2.51	2.51	2.50	-	2.82	2.82	2.81	-	3.15	3.15	3.14	-	3.52	3.52	3.52	-	3.96	3.96	3.96	-
1350	Amps	8.97	8.96	8.94	-	10.24	10.23	10.20	-	11.65	11.64	11.62	-	13.18	13.17	13.15	-	14.89	14.88	14.85	-	16.89	16.88	16.86	-
	Hi PR	254	255	257	-	294	295	296	-	335	336	338	-	379	380	382	-	427	428	430	-	479	480	481	-
	Lo PR	129	131	134	-	137	139	142	-	144	145	149	-	149	151	154	-	155	157	160	-	162	164	167	-

IDB	AIRFLOW	ENTERING INDOOR WET BULB TEMPERATURE												115												
		59				63				67				71			75			85			95			
		Mbh	35.4	35.1	35.6	36.7	35.6	36.1	37.3	38.3	34.2	34.7	35.7	37.4	32.6	33.1	34.2	35.8	30.6	31.1	32.2	33.8	28.9	29.4	30.4	32.0
1050	Mbh	35.4	35.9	37.0	38.6	35.1	35.6	36.7	38.3	34.2	34.7	35.7	37.4	32.6	33.1	34.2	35.8	30.6	31.1	32.2	33.8	28.9	29.4	30.4	32.0	
	S/T	0.76	0.68	0.54	0.4	1.00	0.68	0.54	0.4	1.00	0.71	0.57	0.4	1.00	0.73	0.59	0.4	1.00	0.75	0.61	0.5	1.00	1.00	0.67	0.5	
	ΔT	23.11	21.33	18.02	14.6	23.06	21.28	17.97	14.5	23.31	21.53	18.22	14.8	23.04	21.27	17.95	14.5	22.80	21.03	17.71	14.3	23.92	22.14	18.82	15.4	
	kW	2.20	2.20	2.20	2.2	2.48	2.48	2.47	2.5	2.79	2.79	2.78	2.8	3.12	3.12	3.12	3.1	3.50	3.49	3.49	3.5	3.93	3.93	3.93	3.9	
	Amps	8.84	8.83	8.81	8.9	10.11	10.10	10.08	10.2	11.52	11.51	11.49	11.6	13.05	13.04	13.02	13.1	14.76	14.75	14.73	14.8	16.76	16.75	16.73	16.8	
	Hi PR	250	251	253	257.4	290	291	292	296.8	331	332	334	338.2	375	377	378	382.6	423	425	426	430.6	475	476	477	481.8	
70	Lo PR	126	127	130	135.7	133	135	138	143.4	140	142	145	150.1	146	147	150	155.7	151	153	156	161.3	158	160	163	168.2	
	Mbh	35.9	36.4	37.4	39.1	35.6	36.1	37.1	38.7	34.6	35.1	36.2	37.8	33.1	33.6	34.6	36.2	31.1	31.6	32.7	34.3	29.3	29.8	30.9	32.5	
	S/T	0.82	0.74	0.60	0.5	1.00	0.75	0.61	0.5	1.00	0.77	0.63	0.5	1.00	0.79	0.65	0.5	1.00	0.81	0.68	0.5	1.00	1.00	0.73	0.6	
	ΔT	22.04	20.26	16.94	13.5	21.99	20.21	16.89	13.5	22.24	20.46	17.14	13.7	21.97	20.19	16.88	13.4	21.73	19.96	16.64	13.2	22.84	21.07	17.75	14.3	
	kW	2.22	2.22	2.21	2.2	2.49	2.49	2.49	2.5	2.80	2.80	2.80	2.8	3.14	3.14	3.13	3.2	3.51	3.51	3.50	3.5	3.95	3.94	3.94	3.9	
	Amps	8.91	8.90	8.88	9.0	10.17	10.16	10.14	10.2	11.59	11.58	11.55	11.7	13.10	13.08	13.2	14.82	14.81	14.79	14.9	16.83	16.82	16.79	16.9		
1200	Hi PR	252	253	255	259.5	292	293	295	299.0	333	334	336	340.3	378	379	380	384.8	426	427	428	432.7	477	478	480	483.9	
	Lo PR	127	129	132	137.6	135	137	140	145.2	142	143	147	151.9	147	149	152	157.6	153	155	158	163.1	160	162	165	170.1	
	Mbh	36.4	36.9	38.0	39.6	36.1	36.6	37.7	39.3	35.2	35.7	36.8	38.4	33.6	34.1	35.2	36.8	31.7	32.2	33.2	34.8	29.9	30.4	31.5	33.1	
	S/T	0.85	0.77	0.63	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	21.13	19.36	16.04	12.6	21.08	19.31	15.99	12.6	21.33	19.56	16.24	12.8	21.07	19.29	15.97	12.5	20.83	19.05	15.74	12.3	21.94	20.16	16.85	13.4	
	kW	2.23	2.23	2.22	2.2	2.51	2.50	2.5	2.8	2.81	2.81	2.8	2.8	3.15	3.14	3.14	3.2	3.52	3.52	3.5	3.96	3.95	4.0	4.0	4.0	
1350	Amps	8.96	8.95	8.93	9.0	10.23	10.22	10.20	10.3	11.64	11.63	11.6														

		OUTDOOR AMBIENT TEMPERATURE																																			
		65						75						85						95						105						115					
		ENTERING INDOOR WET BULB TEMPERATURE												OUTDOOR AMBIENT 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	59	63	67	71								
1050	MBh	35.6	36.1	37.2	38.8	35.3	35.8	36.8	38.5	34.4	34.9	35.9	37.5	32.8	33.3	34.3	36.0	30.8	31.3	32.4	34.0	29.1	29.6	30.6	32.2												
	S/T	1.00	0.81	0.67	0.5	1.00	0.81	0.67	0.5	1.00	0.84	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.80	0.6												
	ΔT	27.04	25.26	21.95	18.5	26.99	25.22	21.90	18.5	27.24	25.46	22.15	18.7	26.97	25.20	21.88	18.4	26.74	24.96	21.64	18.2	27.85	26.07	22.76	19.3												
	kW	2.21	2.20	2.20	2.2	2.48	2.48	2.48	2.48	2.79	2.79	2.78	2.8	3.12	3.12	3.12	3.1	3.50	3.50	3.49	3.5	3.94	3.93	3.93	3.9												
	Amps	8.85	8.84	8.82	8.9	10.11	10.10	10.08	10.2	11.53	11.52	11.50	11.6	13.06	13.05	13.02	13.1	14.76	14.75	14.73	14.8	16.77	16.76	16.74	16.8												
	Hi PR	251	252	253	257.8	290	291	293	297.3	331	332	334	338.6	376	377	379	383.1	424	425	427	431.1	475	476	478	482.3												
80	Lo PR	126	128	131	136.3	134	135	139	143.9	141	142	145	150.6	146	148	151	156.3	152	153	156	161.8	159	160	163	168.8												
	MBh	36.1	36.6	37.6	39.2	35.8	36.3	37.3	38.9	34.8	35.3	36.4	38.0	33.2	33.7	34.8	36.4	31.3	31.8	32.9	34.5	29.5	30.0	31.1	32.7												
	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	0.86	0.7												
	ΔT	25.97	24.19	20.87	17.4	25.92	24.14	20.83	17.4	26.17	24.39	21.08	17.6	25.90	24.12	20.81	17.4	25.66	23.89	20.57	17.1	26.77	25.00	21.68	18.2												
	kW	2.22	2.22	2.21	2.2	2.50	2.49	2.49	2.49	2.80	2.80	2.80	2.8	3.14	3.14	3.13	3.2	3.51	3.51	3.51	3.5	3.95	3.94	3.94	4.0												
	Amps	8.91	8.90	8.88	9.0	10.18	10.17	10.15	10.2	11.59	11.58	11.56	11.7	13.12	13.11	13.09	13.2	14.83	14.82	14.80	14.9	16.83	16.82	16.80	16.9												
1350	Hi PR	253	254	256	260.0	292	293	295	299.4	334	335	336	340.7	378	379	381	385.2	426	427	429	433.2	477	478	480	484.4												
	Lo PR	128	130	133	138.1	136	137	140	145.8	142	144	147	152.5	148	150	153	158.1	154	155	158	163.7	161	162	165	170.6												
	MBh	36.6	37.1	38.2	39.8	36.3	36.8	37.9	39.5	35.4	35.9	36.9	38.6	33.8	34.3	35.4	37.0	31.9	32.4	33.4	35.0	30.1	30.6	31.6	33.3												
	S/T	1.00	0.90	0.76	0.6	1.00	0.91	0.77	0.6	1.00	1.00	0.80	0.6	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	25.06	23.29	19.97	16.5	25.01	23.24	19.92	16.5	25.26	23.49	20.17	16.7	25.00	23.22	19.90	16.5	24.76	22.98	19.67	16.2	25.87	24.10	20.78	17.3												
	kW	2.23	2.23	2.22	2.2	2.51	2.51	2.50	2.5	2.82	2.81	2.81	2.8	3.15	3.15	3.14	3.2	3.52	3.52	3.52	3.5	3.96	3.96	3.96	4.0												
1350	Amps	8.97	8.96	8.94	9.0	10.23	10.23	10.20	10.3	11.65	11.64	11.62	11.7	13.18	13.17	13.14	13.2	14.88	14.87	14.85	14.9	16.89	16.88	16.86	17.0												
	Hi PR	255	256	258	262.0	294	295	297	301.5	336	337	338	342.8	380	381	383	387.3	428	429	431	435.3	479	480	482	486.5												
	Lo PR	130	132	135	140.2	138	139	142	147.8	144	146	149	154.5	150	152	155	160.2	155	156	157	160	165.7	163	164	167	172.7											
	MBh	36.2	36.7	37.8	39.4	35.9	36.4	37.4	39.1	35.0	35.5	36.5	38.1	33.4	33.9	34.9	36.5	31.4	31.9	33.0	34.6	29.7	30.2	31.2	32.8												
	S/T	1.00	0.91	0.77	0.6	1.00	1.00	0.78	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	30.53	28.75	25.43	22.0	30.48	28.70	25.39	22.0	30.73	28.95	25.64	22.2	30.46	28.68	25.37	21.9	30.22	28.45	25.13	21.7	31.33	29.56	26.24	22.8												
85	Hi PR	252	253	255	259.0	291	292	294	298.5	333	334	335	339.8	377	378	380	384.3	425	426	428	432.3	476	477	479	483.5												
	Lo PR	128	130	133	138.2	136	137	140	145.8	142	144	147	152.5	148	150	153	158.2	154	155	158	163.7	161	162	165	170.7												
	MBh	36.7	37.2	38.2	39.8	36.4	36.9	37.9	39.5	35.4	35.9	37.0	38.6	33.8	34.3	35.4	37.0	31.9	32.4	33.5	35.1	30.1	30.6	31.7	33.3												
	S/T	1.00	0.97	0.83	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.7	1.00	1.00	0.89	0.7	1.00	1.00	1.00	0.8												
	ΔT	29.45	27.68	24.36	20.9	29.40	27.63	24.31	20.9	29.65	27.88	24.56	21.1	29.39	27.61	24.29	20.9	29.15	27.37	24.06	20.6	30.26	28.49	25.17	21.7												
	kW	2.23	2.22	2.22	2.2	2.50	2.50	2.49	2.49	2.81	2.81	2.80	2.8	3.14	3.14	3.14	3.2	3.52	3.52	3.51	3.5	3.96	3.95	3.95	4.0												
1350	Amps	8.94	8.93	8.91	9.0	10.20	10.19	10.17	10.3	11.62	11.61	11.59	11.7	13.15	13.14	13.11	13.2	14.85	14.84	14.82	14.9	16.79	16.78	16.76	16.9												
	Hi PR	254	255	257	261.1	293	294	296	300.6	335	336	338	341.9	379	380	382	386.4	427	428	430	434.4	478	479	481	485.6												
	Lo PR	130	131	135	140.0	138	139	142	147.6	144	146	149	154.3	150	151	155	160.0	155	157	160	165.6	162	164	167	172.5												
	MBh	37.2	37.7	38.8	40.4	36.9	37.4	38.5	40.1	36.0	36.5	37.5	39.2	34.4	34.9	36.0	37.6	32.5	33.0	34.0	35.6	30.7	31.2	32.2	33.9												
	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	0.8	0.8	1.00	1.00	1.00	0.8												
	ΔT	28.55	26.77	23.46	20.0	28.50	26.73	23.41	20.0	28.75	26.98	23.66	20.2	28.48	26.71	23.39	20.0	28.25	26.47	23.15	19.7	29.36	27.58	24.27	20.8												
85	Hi PR	256	257	259	263.2	295	297	298	302.7	337	338	340	344.0	381	382	384	388.5	429	430	432	436.4	480	482	483	487.6												
	Lo PR	132	134	137	142.1	140	141	144	149.7	146	148	151	156.4	152	153	157	162.0	158	159	162	167.6	164	166	169	174.6												

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 9-12 °F @ the liquid access fitting connection AHR 95 test conditions. Design Superheat 7-11°F @ the compressor suction access fitting connection.

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

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										115								
		65	75	85					95					105			115			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71			
1100	MBh	42.6	43.2	44.5	-	42.2	42.8	44.1	-	41.1	41.7	43.0	-	39.2	39.8	41.1	-	34.7	35.3	36.6
	S/T	0.58	0.50	0.37	-	0.59	0.51	0.38	-	0.61	0.54	0.40	-	0.63	0.55	0.42	-	1.00	0.58	0.49
	ΔT	20.76	18.87	15.34	-	20.71	18.82	15.28	-	20.98	19.08	15.55	-	20.69	18.80	15.27	-	20.44	18.55	15.01
	kW	2.66	2.66	2.65	-	2.99	2.99	2.99	-	3.37	3.36	3.36	-	3.77	3.76	3.76	-	4.22	4.21	4.21
	Amps	10.12	10.11	10.09	-	11.57	11.56	11.53	-	13.18	13.17	13.15	-	14.93	14.91	14.89	-	16.87	16.86	16.84
	Hi PR	259	260	262	-	300	301	303	-	343	344	346	-	389	390	392	-	439	440	442
70	Lo PR	123	124	127	-	130	132	135	-	137	138	141	-	142	144	147	-	148	149	152
	MBh	43.3	43.9	45.2	-	42.9	43.5	44.8	-	41.8	42.4	43.7	-	39.9	40.5	41.8	-	37.5	38.1	39.4
	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
	ΔT	19.32	17.43	13.89	-	19.27	17.37	13.84	-	19.53	17.64	14.11	-	19.25	17.35	13.82	-	18.99	17.10	13.57
	kW	2.68	2.68	2.68	-	3.02	3.01	3.01	-	3.39	3.38	3.38	-	3.79	3.79	3.78	-	4.24	4.23	4.23
	Amps	10.22	10.21	10.18	-	11.66	11.65	11.63	-	13.28	13.26	13.24	-	15.02	15.01	14.98	-	16.97	16.96	16.93
1300	Hi PR	262	263	265	-	303	304	306	-	346	347	348	-	392	393	395	-	442	443	444
	Lo PR	125	126	129	-	132	134	137	-	139	140	143	-	144	146	149	-	150	151	154
	MBh	44.1	44.7	46.0	-	43.8	44.4	45.6	-	42.6	43.2	44.5	-	40.7	41.3	42.6	-	38.4	39.0	40.3
	S/T	0.69	0.62	0.49	-	0.70	0.63	0.49	-	0.73	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.69	0.56
	ΔT	18.15	16.26	12.73	-	18.10	16.21	12.67	-	18.37	16.47	12.94	-	18.08	16.19	12.65	-	17.83	15.93	12.40
	kW	2.70	2.70	2.69	-	3.03	3.03	3.03	-	3.40	3.40	3.40	-	3.81	3.80	3.80	-	4.25	4.25	4.25
1500	Amps	10.30	10.28	10.26	-	11.74	11.73	11.70	-	13.35	13.34	13.32	-	15.10	15.09	15.06	-	17.05	17.03	17.01
	Hi PR	264	265	267	-	305	306	308	-	348	349	351	-	394	395	397	-	444	445	447
	Lo PR	127	129	132	-	135	136	139	-	141	143	146	-	147	148	151	-	152	154	157

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										115								
		65	75	85					95					105			115			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71			
1100	MBh	42.6	43.2	44.5	46.5	42.3	42.9	44.1	46.1	41.1	41.7	43.0	45.0	39.2	39.8	41.1	43.1	36.9	37.5	38.8
	S/T	0.71	0.63	0.50	0.36	0.71	0.64	0.50	0.36	1.00	0.66	0.53	0.39	1.00	0.68	0.55	0.41	1.00	0.70	0.57
	ΔT	24.92	23.03	19.50	15.84	24.87	22.98	19.45	15.78	25.14	23.24	19.71	16.05	24.85	22.96	19.43	15.77	24.60	22.71	19.17
	kW	2.66	2.66	2.65	2.68	2.99	2.99	2.98	3.01	3.36	3.36	3.36	3.38	3.76	3.76	3.76	3.78	4.21	4.21	4.23
	Amps	10.12	10.10	10.08	10.19	11.56	11.55	11.52	11.63	13.17	13.16	13.14	13.25	14.92	14.90	14.88	14.99	16.87	16.85	16.94
	Hi PR	259	260	262	267	300	301	303	308	343	344	346	350	389	390	392	397	439	440	446
70	Lo PR	123	124	127	132	130	132	135	140	137	138	141	146	142	144	147	152	148	149	157
	MBh	43.3	43.9	45.2	47.1	42.9	43.5	44.8	46.8	41.8	42.4	43.7	45.6	39.9	40.5	41.8	43.7	37.6	38.2	39.4
	S/T	0.78	0.71	0.58	0.43	0.79	0.72	0.58	0.44	1.00	0.74	0.61	0.47	1.00	0.76	0.63	0.48	1.00	0.78	0.65
	ΔT	23.48	21.59	18.05	14.39	23.43	21.53	18.00	14.34	23.69	21.80	18.27	14.61	23.41	21.52	17.98	14.32	23.15	21.26	17.73
	kW	2.68	2.68	2.67	2.70	3.01	3.01	3.01	3.03	3.39	3.38	3.38	3.40	3.79	3.78	3.78	3.80	4.23	4.23	4.25
	Amps	10.21	10.20	10.17	10.28	11.65	11.64	11.62	11.73	13.27	13.25	13.23	13.34	15.01	15.00	14.97	15.09	16.96	16.95	16.93
1300	Hi PR	262	263	265	269	303	304	306	310	346	347	349	353	392	393	395	399	442	443	445
	Lo PR	125	126	129	135	132	134	137	142	139	140	143	149	144	146	149	150	151	154	160
	MBh	44.2	44.8	46.0	48.0	43.8	44.4	45.7	47.6	42.7	43.3	44.5	46.5	40.7	41.4	42.6	44.6	38.4	39.0	40.3
	S/T	0.82	0.75	0.61	0.47	1.00	0.75	0.62	0.48	1.00	0.78	0.64	0.50	1.00	0.80	0.66	0.52	1.00	0.82	0.69
	ΔT	22.31	20.42	16.89	13.23	22.26	20.37	16.83	13.17	22.53	20.63	17.10	13.44	22.24	20.35	16.82	13.15	21.99	20.10	16.56
	kW	2.70	2.70	2.69	2.72	3.03	3.03	3.05	3.07	3.40	3.39	3.39	3.42	3.80	3.80	3.80	3.82	4.25	4.24	4.27
1500	Amps	10.29	10.27	10.25	10.36	11.73	11.72	11.69	11.80	13.34	13.33	13.31	13.42	15.09	15.08	15.05	15.16	17.04	17.02	17.00
	Hi PR	265	266	268	272	305	307	308	313	348	350	351	356	395	396	398	402	444	446	447
	Lo PR	127	129	132	137	135	136	139	145	141	143	146	151	147	148	151	157	152	154	162

IDB = Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction access fittings.
Design Subcooling, 8-12°F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.

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

		OUTDOOR AMBIENT TEMPERATURE																							
		65			75			85			95			105			115								
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
1100	MBh	42.86	43.46	44.74	46.69	42.48	43.08	44.36	46.31	41.36	41.97	43.24	45.19	39.44	40.05	41.32	43.27	37.10	37.70	38.98	40.93	34.95	35.56	36.83	38.78
	S/T	1.00	0.76	0.62	0.48	1.00	0.76	0.63	0.49	1.00	0.79	0.65	0.51	1.00	0.81	0.67	0.53	1.00	0.69	0.55	1.00	0.74	0.74	0.60	
	ΔT	29.11	27.22	23.69	20.03	29.06	27.17	23.63	19.97	29.33	27.43	23.90	20.24	29.04	27.15	23.61	19.95	28.79	26.90	23.36	19.70	29.97	28.08	24.55	20.89
	kW	2.66	2.66	2.65	2.68	2.99	2.99	3.01	3.01	3.37	3.36	3.36	3.38	3.77	3.76	3.76	3.78	4.21	4.21	4.23	4.23	4.74	4.74	4.73	4.76
	Amps	10.12	10.11	10.09	10.20	11.57	11.56	11.53	11.64	13.18	13.17	13.14	13.25	14.92	14.91	14.89	15.00	16.87	16.86	16.84	16.95	19.16	19.15	19.12	19.23
	Hi PR	259.65	260.78	262.60	267.13	300.60	301.72	303.55	308.07	343.49	344.62	346.44	350.97	389.68	390.81	392.63	397.16	429.49	440.61	442.44	446.96	492.63	493.76	495.58	500.10
80	Lo PR	123.10	124.61	127.74	132.98	130.57	132.09	135.22	140.46	137.12	138.64	141.77	147.01	142.66	144.18	147.31	152.55	148.10	149.62	152.75	157.98	154.90	156.42	159.55	164.79
	MBh	43.54	44.14	45.42	47.37	43.16	43.76	45.04	46.99	42.04	42.64	43.92	45.87	40.12	40.72	42.00	43.95	37.77	38.38	39.65	41.60	35.63	36.24	37.51	39.46
	S/T	1.00	0.83	0.70	0.56	1.00	0.84	0.71	0.56	1.00	0.86	0.73	0.59	1.00	0.81	0.67	0.51	1.00	0.77	0.63	1.00	1.00	0.82	0.68	
	ΔT	27.67	25.78	22.24	18.58	27.62	25.72	22.19	18.53	27.88	25.99	22.46	18.80	27.60	25.70	22.17	18.51	27.34	25.45	21.92	18.26	28.53	26.64	23.10	19.44
	kW	2.68	2.68	2.68	2.70	3.02	3.01	3.03	3.03	3.39	3.38	3.38	3.40	3.79	3.79	3.78	3.81	4.24	4.23	4.23	4.25	4.76	4.76	4.75	4.78
	Amps	10.22	10.21	10.18	10.29	11.66	11.65	11.63	11.74	13.27	13.26	13.24	13.35	15.02	15.01	14.98	15.09	16.97	16.96	16.93	17.04	19.25	19.24	19.22	19.33
1500	Lo PR	125.30	126.82	129.95	135.19	132.78	134.30	137.43	142.67	139.33	140.85	143.98	149.22	144.87	146.39	149.52	154.75	150.31	151.83	154.96	160.19	157.11	158.63	161.76	167.00
	MBh	44.39	44.99	46.27	48.22	44.00	44.61	45.88	47.83	42.89	43.49	44.77	46.72	40.97	41.57	42.85	44.80	38.62	39.23	40.50	42.45	36.48	37.08	38.36	40.31
	S/T	1.00	0.87	0.74	0.60	1.00	0.88	0.74	0.60	1.00	0.90	0.77	0.63	1.00	0.79	0.65	0.51	1.00	1.00	0.81	0.67	1.00	1.00	0.86	
	ΔT	26.50	24.61	21.08	17.41	26.45	24.56	21.02	17.36	26.72	24.82	21.29	17.63	26.43	24.54	21.00	17.34	26.18	24.28	20.75	17.09	27.36	25.47	21.94	18.28
	kW	2.70	2.70	2.69	2.72	3.03	3.03	3.05	3.05	3.40	3.40	3.40	3.42	3.81	3.80	3.80	3.82	4.25	4.25	4.25	4.27	4.78	4.78	4.77	4.80
	Amps	10.29	10.28	10.26	10.37	11.74	11.73	11.70	11.81	13.35	13.34	13.31	13.42	15.09	15.08	15.06	15.17	17.04	17.03	17.01	17.12	19.33	19.32	19.29	19.41
125	Hi PR	265.03	266.15	267.98	272.50	305.98	307.10	308.93	313.45	348.87	350.00	351.82	356.34	395.06	396.19	398.01	402.53	444.86	445.99	447.81	452.34	498.01	499.13	500.96	505.48
	Lo PR	127.80	129.32	132.45	137.69	135.28	136.80	139.93	145.17	141.83	143.35	146.48	151.72	147.37	148.89	152.02	157.26	152.81	154.33	157.46	162.69	159.61	161.13	164.26	169.50
	MBh	43.6	44.2	45.5	47.4	43.2	43.8	45.1	47.0	42.1	42.7	44.0	45.9	40.2	40.8	42.0	44.0	37.8	38.4	39.7	41.6	35.7	36.3	37.6	39.5
	S/T	1.00	0.86	0.72	0.58	1.00	0.86	0.73	0.59	1.00	0.75	0.61	0.51	1.00	0.77	0.63	0.51	1.00	1.00	0.79	0.65	1.00	1.00	1.00	0.70
	ΔT	32.83	30.93	27.40	23.74	32.77	30.88	27.35	23.69	33.04	31.15	27.62	23.95	32.76	30.86	27.33	23.67	32.50	30.61	27.08	23.42	33.69	31.79	28.26	24.60
	kW	2.67	2.66	2.66	2.69	3.00	2.99	3.02	3.02	3.37	3.37	3.36	3.39	3.77	3.76	3.76	3.79	4.22	4.22	4.21	4.21	4.75	4.74	4.74	4.76
85	Hi PR	10.15	10.14	10.11	10.22	11.59	11.58	11.56	11.67	13.21	13.20	13.17	13.28	14.95	14.94	14.92	15.03	16.90	16.89	16.86	16.98	19.19	19.18	19.15	19.26
	Lo PR	125	126	130	135	132	134	137	142	139	140	144	149	145	146	149	145	150	151	155	160	157	158	161	167
	MBh	44.3	44.9	46.1	48.1	43.9	44.5	45.8	47.7	42.8	43.4	44.6	46.6	40.8	41.4	42.7	44.7	38.5	39.1	40.4	42.3	36.4	37.0	38.2	40.2
	S/T	1.00	0.93	0.80	0.66	1.00	0.81	0.66	0.56	1.00	0.83	0.69	0.59	1.00	0.85	0.71	0.61	1.00	1.00	0.87	0.73	1.00	1.00	1.00	0.78
	ΔT	31.38	29.49	25.96	22.30	31.33	29.44	25.91	22.25	31.60	29.70	26.17	22.51	31.31	29.42	25.89	22.23	31.06	29.17	25.63	21.97	32.24	30.35	26.82	23.16
	kW	2.69	2.69	2.68	2.71	3.02	3.02	3.04	3.04	3.39	3.39	3.39	3.41	3.79	3.79	3.79	3.81	4.24	4.24	4.23	4.23	4.77	4.77	4.76	4.79
1500	Hi PR	264	265	267	271	305	306	308	312	347	349	350	355	394	395	397	401	443	445	446	451	497	498	500	504
	Lo PR	127	129	132	137	135	136	139	145	141	143	146	151	147	148	151	157	152	154	157	162	159	160	164	169
	MBh	45.1	45.7	47.0	48.9	44.7	45.3	46.6	48.6	43.6	44.2	45.5	47.4	41.7	42.3	43.6	45.5	39.3	39.9	41.2	43.2	37.2	37.8	39.1	41.0
	S/T	1.00	0.97	0.84	0.70	1.00	0.90	0.84	0.70	1.00	0.88	0.73	0.63	1.00	0.89	0.75	0.61	1.00	1.00	0.77	0.77	1.00	1.00	1.00	0.82
	ΔT	30.22	28.32	24.79	21.13	30.16	28.27	24.74	21.08	30.43	28.54	25.00	21.34	30.14	28.25	24.72	21.06	29.89	28.00	24.47	20.81	31.08	29.18	25.65	21.99
	kW	2.71	2.71	2.70	2.73	3.04	3.04	3.03	3.06	3.41	3.41	3.40	3.43	3.81	3.81	3.80	3.83	4.26	4.26	4.25	4.28	4.79	4.78	4.78	4.80
1300	Hi PR	10.32	10.31	10.29	10.40	11.77	11.75	11.73	11.84	13.38	13.37	13.34	13.45	15.12	15.11	15.09	15.20	17.07	17.06	17.04	17.15	19.36	19.32	19.43	19.43
	Lo PR	130	131	134	140	137	139	142	147	144	145	148	154	149	151	154	159	155	156	159	155	161	163	166	171

IDB = Entering indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.

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

EXPANDED COOLING DATA — GPHH54241 LOW STAGE**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										115													
		65	75	85					95					105			115								
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
770	MBh	30.6	31.1	32.0	-	30.4	30.8	31.7	-	29.6	30.0	30.9	-	28.2	28.6	29.5	-	26.5	26.9	27.8	-	25.0	25.4	26.3	-
	S/T	0.60	0.52	0.38	-	0.60	0.52	0.39	-	0.63	0.55	0.41	-	1.00	0.57	0.43	-	1.00	0.59	0.45	-	1.00	0.64	0.51	-
	ΔT	20.04	18.21	14.80	-	19.99	18.16	14.75	-	20.24	18.42	15.01	-	19.97	18.14	14.73	-	19.72	17.90	14.49	-	20.87	19.04	15.63	-
	kW	1.67	1.67	1.67	-	1.88	1.88	1.88	-	2.12	2.12	2.11	-	2.37	2.37	2.36	-	2.65	2.65	2.65	-	2.98	2.98	2.98	-
	Amps	6.37	6.36	6.35	-	7.28	7.27	7.25	-	8.29	8.28	8.27	-	9.39	9.38	9.37	-	10.61	10.61	10.59	-	12.05	12.05	12.03	-
	Hi PR	248	249	250	-	287	288	290	-	328	329	331	-	372	373	375	-	419	421	422	-	470	471	473	-
70	Lo PR	126	128	131	-	134	135	138	-	140	142	145	-	146	148	151	-	152	153	156	-	159	160	163	-
	MBh	31.1	31.6	32.5	-	30.9	31.3	32.2	-	30.0	30.5	31.4	-	28.7	29.1	30.0	-	27.0	27.4	28.3	-	25.4	25.9	26.8	-
	S/T	0.67	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	18.64	16.82	13.41	-	18.59	16.77	13.36	-	18.85	17.02	13.61	-	18.57	16.75	13.34	-	18.33	16.50	13.09	-	19.47	17.65	14.24	-
	kW	1.69	1.69	1.68	-	1.90	1.90	1.89	-	2.13	2.13	2.13	-	2.38	2.38	2.38	-	2.67	2.66	2.66	-	3.00	2.99	2.99	-
	Amps	6.43	6.42	6.41	-	7.34	7.33	7.31	-	8.35	8.34	8.33	-	9.45	9.44	9.43	-	10.67	10.67	10.65	-	12.11	12.11	12.09	-
1050	Hi PR	250	251	253	-	289	290	292	-	330	331	333	-	374	376	377	-	422	423	425	-	473	474	476	-
	Lo PR	128	130	133	-	136	137	141	-	143	144	147	-	148	150	153	-	154	155	159	-	161	162	166	-
	MBh	31.7	32.2	33.1	-	31.5	31.9	32.8	-	30.7	31.1	32.0	-	29.3	29.7	30.6	-	27.6	28.0	28.9	-	26.1	26.5	27.4	-
	S/T	0.71	0.64	0.50	-	0.72	0.64	0.51	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	1.00	0.63	-
	ΔT	17.52	15.69	12.28	-	17.47	15.64	12.23	-	17.72	15.90	12.49	-	17.45	15.62	12.21	-	17.20	15.38	11.97	-	18.35	16.52	13.11	-
	kW	1.70	1.70	1.69	-	1.91	1.91	1.90	-	2.14	2.14	2.14	-	2.39	2.39	2.39	-	2.68	2.67	2.67	-	3.01	3.01	3.00	-
1050	Amps	6.48	6.47	6.45	-	7.38	7.38	7.36	-	8.40	8.39	8.38	-	9.50	9.49	9.47	-	10.72	10.71	10.70	-	12.16	12.15	12.14	-
	Hi PR	253	254	256	-	292	293	295	-	333	334	336	-	377	378	380	-	425	426	427	-	475	476	478	-
	Lo PR	131	132	136	-	138	140	143	-	145	147	150	-	151	152	156	-	156	158	161	-	163	165	168	-

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										115													
		65	75	85					95					105			115								
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
770	MBh	30.7	31.1	32.0	33.4	30.4	30.8	31.7	33.1	29.6	30.0	30.9	32.3	28.2	28.6	29.6	31.0	26.5	26.9	27.9	29.3	25.0	25.4	26.3	27.7
	S/T	0.73	0.65	0.51	0.37	1.00	0.66	0.52	0.37	1.00	0.68	0.54	0.40	1.00	0.70	0.56	0.42	1.00	0.72	0.59	0.44	1.00	1.00	0.64	0.49
	ΔT	24.05	22.22	18.81	15.28	24.00	22.17	18.76	15.23	24.26	22.43	19.02	15.49	23.98	22.16	18.75	15.21	23.74	21.91	18.50	14.97	24.88	23.05	19.65	16.11
	kW	1.67	1.67	1.67	1.68	1.88	1.88	1.88	1.89	2.12	2.11	2.11	2.13	2.37	2.37	2.36	2.38	2.65	2.65	2.64	2.66	2.98	2.98	2.98	2.99
	Amps	6.36	6.36	6.34	6.41	7.27	7.26	7.25	7.32	8.28	8.28	8.26	8.33	9.38	9.38	9.36	9.43	10.61	10.61	10.60	10.59	12.05	12.04	12.02	12.09
	Hi PR	248	249	251	255	287	288	290	294	328	329	331	335	372	373	375	379	420	421	423	427	470	472	473	478
75	Lo PR	126	128	131	136	134	135	138	144	140	142	145	151	146	148	151	156	152	153	156	162	159	160	163	169
	MBh	31.1	31.6	32.5	33.9	30.9	31.3	32.2	33.6	30.1	30.5	31.4	32.8	28.7	29.1	30.0	31.4	27.0	27.4	28.4	29.8	25.5	25.9	26.8	28.2
	S/T	0.81	0.73	0.59	0.45	1.00	0.73	0.60	0.45	1.00	0.76	0.62	0.48	1.00	0.78	0.64	0.50	1.00	0.72	0.52	0.40	1.00	1.00	0.72	0.57
	ΔT	22.66	20.83	17.42	13.89	22.61	20.78	17.37	13.84	22.86	21.04	17.63	14.10	22.59	20.76	17.35	13.82	22.34	20.52	17.11	13.58	23.49	21.66	18.25	14.72
	kW	1.69	1.69	1.68	1.70	1.90	1.89	1.89	1.91	2.13	2.13	2.12	2.14	2.38	2.38	2.39	2.39	2.66	2.66	2.66	2.67	2.99	2.99	2.99	3.01
	Amps	6.42	6.41	6.40	6.47	7.33	7.32	7.31	7.38	8.34	8.34	8.32	8.39	9.44	9.43	9.42	9.49	10.67	10.66	10.65	10.71	12.11	12.10	12.08	12.15
75	Hi PR	250	251	253	258	290	291	292	297	331	332	333	338	375	376	378	382	422	423	425	429	473	474	476	480
	Lo PR	128	130	133	138	136	131	141	146	143	144	147	153	148	150	153	159	156	159	164	161	163	166	171	
	MBh	31.8	32.2	33.1	34.5	31.5	31.9	32.8	34.2	30.7	31.1	32.0	33.4	29.3	29.7	30.6	32.1	27.6	28.0	29.0	30.4	26.1	26.5	27.4	28.8
	S/T	0.84	0.77	0.63	0.49	1.00	0.77	0.64	0.49	1.00	0.80	0.66	0.52	1.00	0.82	0.68	0.54	1.00	1.00	0.76	0.56	1.00	1.00	0.76	0.61
	ΔT	21.53	19.70	16.30	12.76	21.48	19.65	16.25	12.71	21.74	19.91	16.50	12.97	21.46	19.64	16.23	12.69	21.22	19.39	15.98	12.45	22.36	20.54	17.13	13.59
	kW	1.70	1.70	1.69	1.71	1.91	1.91	1.90	1.92	2.14	2.14	2.14	2.15	2.39	2.39	2.39	2.40	2.67	2.67	2.67	2.69	3.01	3.00	3.02	3.02
1050	Amps	6.47	6.46	6.45	6.52	7.38	7.37	7.36	7.43	8.39	8.37	8.34	8.44	9.49	9.48	9.47	9.54	10.72	10.71	10.69	10.76	12.15	12.13	12.13	12.20
	Hi PR	253	254	256	260	292	293	295	299	333	334	336	340	377	378	380	384	425	426	428	432	476	477	478	483
	Lo PR	131	132	136	141	139	140	143	149	145	147	150	155	151	153	156	161	157	158	161	167	164	165	168	174</td

IDB	Airflow	OUTDOOR AMBIENT TEMPERATURE												105						115					
		65				75				85				95			105			115					
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
770	MBh	30.8	31.3	32.2	33.6	30.5	31.0	31.9	33.3	29.7	30.2	31.1	32.5	28.4	28.8	29.7	31.1	26.7	27.1	28.0	29.4	25.1	25.6	26.5	27.9
	S/T	1.00	0.78	0.64	0.49	1.00	0.78	0.65	0.50	1.00	0.81	0.67	0.53	1.00	1.00	0.69	0.55	1.00	0.71	0.57	1.00	0.71	1.00	0.76	0.62
	ΔT	28.09	26.27	22.86	19.32	28.04	26.22	22.81	19.27	28.30	26.47	23.06	19.53	28.02	26.20	22.79	19.26	27.78	25.95	22.54	19.01	28.92	27.10	23.69	20.16
	kW	1.67	1.67	1.67	1.67	1.88	1.88	1.88	1.89	2.12	2.12	2.13	2.13	2.37	2.37	2.36	2.38	2.65	2.65	2.66	2.66	2.98	2.98	2.98	2.99
	Amps	6.37	6.36	6.34	6.41	7.28	7.27	7.25	7.32	8.29	8.28	8.27	8.34	9.39	9.38	9.36	9.43	10.61	10.61	10.59	10.66	12.05	12.04	12.03	12.10
	Hi PR	248	249	251	255	287	288	290	295	328	329	331	336	373	374	375	380	420	421	423	427	471	472	474	478
	Lo PR	127	128	131	137	134	136	139	144	141	143	146	151	147	148	151	157	152	154	157	162	159	161	164	169
80	MBh	31.3	31.7	32.7	34.1	31.0	31.5	32.4	33.8	30.2	30.7	31.6	33.0	28.8	29.3	30.2	31.6	27.2	27.6	28.5	29.9	25.6	26.1	27.0	28.4
	S/T	1.00	0.86	0.72	0.57	1.00	0.86	0.72	0.58	1.00	0.89	0.75	0.60	1.00	1.00	0.79	0.65	1.00	1.00	0.84	1.00	0.84	1.00	0.84	0.70
	ΔT	26.70	24.87	21.46	17.93	26.65	24.82	21.41	17.88	26.91	25.08	21.67	18.14	26.63	24.80	21.40	17.86	26.39	24.56	21.15	17.62	27.53	25.70	22.29	18.76
	kW	1.69	1.69	1.68	1.70	1.90	1.90	1.89	1.91	2.13	2.13	2.13	2.14	2.38	2.38	2.38	2.39	2.66	2.66	2.66	2.68	3.00	2.99	2.99	3.01
	Amps	6.43	6.42	6.40	6.47	7.34	7.33	7.31	7.38	8.35	8.34	8.33	8.40	9.45	9.44	9.42	9.49	10.67	10.67	10.65	10.72	12.11	12.10	12.09	12.16
	Hi PR	251	252	254	258	290	291	293	297	331	332	334	338	375	376	378	382	423	424	426	430	474	475	476	481
	Lo PR	129	130	134	139	137	138	141	147	143	145	148	153	149	150	154	159	155	156	159	165	162	163	166	172
910	MBh	31.9	32.3	33.3	34.7	31.6	32.1	33.0	34.4	30.8	31.3	32.2	33.6	29.5	29.9	30.8	32.2	27.8	28.2	29.1	30.5	26.2	26.7	27.6	29.0
	S/T	1.00	0.89	0.76	0.61	1.00	0.90	0.76	0.62	1.00	1.00	0.79	0.64	1.00	1.00	0.81	0.66	1.00	1.00	0.83	1.00	0.83	1.00	1.00	0.74
	ΔT	25.57	23.75	20.34	16.81	25.52	23.70	20.29	16.76	25.78	23.95	20.54	17.01	25.50	23.68	20.27	16.74	25.26	23.43	20.03	16.49	26.40	24.58	21.17	17.64
	kW	1.70	1.70	1.69	1.71	1.91	1.91	1.90	1.92	2.14	2.14	2.14	2.15	2.39	2.39	2.39	2.40	2.68	2.67	2.67	2.69	3.01	3.01	3.00	3.02
	Amps	6.47	6.47	6.45	6.52	7.38	7.38	7.36	7.43	8.40	8.39	8.37	8.44	9.49	9.49	9.47	9.54	10.72	10.71	10.70	10.77	12.16	12.15	12.14	12.21
	Hi PR	253	254	256	261	293	294	295	300	334	335	336	341	378	379	380	385	425	426	428	432	476	477	479	483
	Lo PR	131	133	136	142	139	141	144	149	146	147	151	156	151	153	156	162	157	159	162	167	164	166	169	174
1050	MBh	31.3	31.8	32.7	34.1	31.1	31.5	32.4	33.8	30.3	30.7	31.6	33.0	28.9	29.3	30.2	31.6	27.2	27.6	28.5	29.9	25.6	26.1	27.0	28.4
	S/T	1.00	0.88	0.74	0.60	1.00	1.00	0.75	0.60	1.00	1.00	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.83	1.00	0.83	1.00	1.00	0.72
	ΔT	31.68	29.85	26.44	22.91	31.63	29.80	26.39	22.86	31.88	30.06	26.65	23.12	31.61	29.78	26.37	22.84	31.37	29.54	26.13	22.60	32.51	30.68	27.27	23.74
	kW	1.68	1.68	1.67	1.69	1.89	1.89	1.88	1.90	2.12	2.12	2.12	2.13	2.37	2.37	2.37	2.38	2.66	2.65	2.65	2.67	2.99	2.98	2.98	3.00
	Amps	6.38	6.38	6.36	6.43	7.29	7.29	7.27	7.34	8.31	8.30	8.28	8.35	9.40	9.40	9.38	9.45	10.63	10.62	10.61	10.68	12.07	12.06	12.05	12.12
	Hi PR	249	250	252	257	289	290	291	296	330	331	332	337	374	375	377	381	421	422	424	428	472	473	475	479
	Lo PR	128	130	133	139	136	138	141	146	143	144	148	153	149	150	153	159	154	156	159	164	161	163	166	171
85	MBh	31.8	32.3	33.2	34.6	31.5	32.0	32.9	34.3	30.7	31.2	32.1	33.5	29.4	29.8	30.7	32.1	27.7	28.1	29.0	30.4	26.1	26.6	27.5	28.9
	S/T	1.00	0.96	0.82	0.68	1.00	1.00	0.83	0.68	1.00	1.00	0.85	0.71	1.00	1.00	0.87	0.73	1.00	1.00	0.75	1.00	1.00	1.00	1.00	0.80
	ΔT	30.28	28.46	25.05	21.52	30.23	28.41	25.00	21.47	30.49	28.67	25.26	21.72	30.22	28.39	24.98	21.45	29.97	28.15	24.74	21.20	31.12	29.29	25.88	22.35
	kW	1.69	1.69	1.69	1.70	1.90	1.90	1.90	1.91	2.13	2.13	2.13	2.14	2.39	2.39	2.39	2.40	2.67	2.67	2.67	2.68	3.00	3.00	2.99	3.01
	Amps	6.44	6.44	6.42	6.49	7.35	7.35	7.33	7.40	8.37	8.36	8.34	8.41	9.46	9.46	9.44	9.51	10.69	10.68	10.67	10.74	12.13	12.12	12.11	12.18
	Hi PR	252	253	255	259	291	292	294	298	332	333	335	339	376	377	379	383	424	425	427	431	475	476	478	482
	Lo PR	131	132	135	141	138	140	143	149	145	147	150	155	151	152	156	161	156	158	161	167	163	165	168	174
910	MBh	32.4	32.9	33.8	35.2	32.2	32.6	33.5	34.9	31.4	31.8	32.7	34.1	30.0	30.4	31.3	32.7	28.3	28.7	29.6	31.0	26.7	27.2	28.1	29.5
	S/T	1.00	1.00	0.86	0.71	1.00	1.00	0.87	0.72	1.00	1.00	0.89	0.75	1.00	1.00	0.91	0.77	1.00	1.00	0.79	1.00	1.00	1.00	1.00	0.84
	ΔT	29.16	27.33	23.92	20.39	29.11	27.28	23.87	20.34	29.37	27.54	24.13	20.60	29.09	27.26	23.85	20.32	28.85	27.02	23.61	20.08	29.99	28.16	24.75	21.22
	kW	1.70	1.70	1.70	1.71	1.91	1.91	1.91	1.92	2.15	2.14	2.14	2.16	2.40	2.40	2.39	2.41	2.68	2.68	2.67	2.69	3.01	3.01	2.99	3.02
	Amps	6.49	6.48	6.47	6.54	7.40	7.39	7.38	7.45	8.41	8.41	8.39	8.46	9.51	9.50	9.49	9.56	10.74	10.73	10.72	10.78	12.18	12.17	12.15	12.22
	Hi PR	255	256	257	262	294	295	296	301	335	336	338	342	379	380	382	386	426	428	429	434	477	478	480	484
	Lo PR	133	135	138	143	141	143	146	151	148	149	152	158	153	155	158	164	159	161	164	166	168	171	176	

IDB = Entering indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.

Shaded area reflects AHRI conditions.

KW = Total system power

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										ENTERING INDOOR WET BULB TEMPERATURE							115						
		65	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	105	115		
1400	MBh	46.80	47.46	48.86	-	46.38	47.04	48.44	-	45.16	45.82	47.22	-	43.06	43.72	45.12	-	40.49	41.15	42.55	-	38.14	38.80	40.20	-
	S/T	0.62	0.54	0.40	-	0.63	0.55	0.41	-	0.65	0.57	0.44	-	0.67	0.59	0.46	-	1.00	0.62	0.48	-	1.00	0.67	0.53	-
	ΔT	19.52	17.71	14.34	-	19.47	17.66	14.29	-	19.72	17.92	14.55	-	19.45	17.64	14.27	-	19.21	17.40	14.03	-	20.34	18.53	15.16	-
	kW	2.95	2.95	2.94	-	3.31	3.30	3.30	-	3.70	3.70	3.69	-	4.13	4.13	4.12	-	4.61	4.61	4.60	-	5.17	5.17	5.16	-
	Amps	10.75	10.74	10.71	-	12.29	12.28	12.25	-	14.01	14.00	13.98	-	15.88	15.87	15.84	-	17.96	17.95	17.92	-	20.41	20.39	20.37	-
	Hi PR	271.97	273.15	275.06	-	314.89	316.07	317.98	-	359.85	361.03	362.94	-	408.26	409.44	411.35	-	460.46	461.64	463.55	-	516.16	517.34	519.25	-
70	Lo PR	122.51	124.02	127.14	-	129.96	131.47	134.59	-	136.49	138.00	141.12	-	142.01	143.52	146.64	-	147.42	148.94	152.06	-	154.21	155.72	158.84	-
	MBh	47.41	48.08	49.47	-	47.00	47.66	49.05	-	45.77	46.43	47.83	-	43.67	44.33	45.73	-	41.10	41.76	43.16	-	38.76	39.42	40.81	-
	S/T	0.68	0.60	0.47	-	0.69	0.61	0.47	-	0.71	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.73	0.59	-
	ΔT	18.43	16.62	13.25	-	18.38	16.57	13.20	-	18.63	16.83	13.46	-	18.36	16.55	13.18	-	18.12	16.31	12.94	-	19.25	17.44	14.07	-
	kW	2.97	2.97	2.96	-	3.32	3.32	3.31	-	3.72	3.72	3.71	-	4.15	4.15	4.14	-	4.63	4.62	4.62	-	5.19	5.19	5.18	-
	Amps	10.83	10.82	10.79	-	12.37	12.36	12.33	-	14.09	14.08	14.06	-	15.96	15.95	15.92	-	18.04	18.03	18.00	-	20.49	20.47	20.45	-
70	Hi PR	274.28	275.46	277.37	-	317.20	318.38	320.29	-	362.16	363.34	365.25	-	410.57	411.75	413.66	-	462.77	463.95	465.86	-	518.47	519.65	521.56	-
	Lo PR	124.31	125.82	128.94	-	131.76	133.28	136.39	-	138.29	139.80	142.92	-	143.81	145.32	148.44	-	149.23	150.74	153.86	-	156.01	157.52	160.64	-
	MBh	48.15	48.81	50.21	-	47.73	48.39	49.79	-	46.51	47.17	48.57	-	44.41	45.07	46.47	-	41.84	42.50	43.90	-	39.49	40.15	41.55	-
	S/T	0.72	0.64	0.50	-	0.72	0.65	0.51	-	0.75	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	0.77	0.63	-
	ΔT	17.51	15.70	12.33	-	17.46	15.65	12.28	-	17.71	15.91	12.54	-	17.44	15.64	12.27	-	17.20	15.40	12.03	-	18.33	16.53	13.16	-
	kW	2.98	2.98	2.98	-	3.34	3.34	3.33	-	3.74	3.73	3.73	-	4.16	4.16	4.16	-	4.64	4.64	4.63	-	5.21	5.20	5.20	-
1800	Amps	10.90	10.88	10.86	-	12.44	12.43	12.40	-	14.16	14.15	14.12	-	16.03	16.01	15.99	-	18.11	18.10	18.07	-	20.55	20.54	20.51	-
	Hi PR	276.52	277.70	279.61	-	319.44	320.62	322.53	-	364.40	365.58	367.49	-	412.81	413.99	415.90	-	465.01	466.19	468.10	-	520.71	521.89	523.81	-
	Lo PR	126.30	127.82	130.94	-	133.76	135.27	138.39	-	140.28	141.80	144.92	-	145.80	147.32	150.44	-	151.22	152.73	155.85	-	158.00	159.52	162.64	-
	MBh	48.83	47.49	48.89	51.02	46.41	47.07	48.47	50.60	45.19	45.85	47.25	49.38	43.08	43.74	45.14	47.28	40.51	41.17	42.57	44.71	38.17	38.83	40.23	42.36
	S/T	0.75	0.68	0.54	0.39	0.76	0.68	0.54	0.40	1.00	0.71	0.57	0.42	1.00	0.73	0.59	0.44	1.00	0.75	0.61	0.46	1.00	1.00	0.66	0.52
	ΔT	23.49	21.68	18.31	14.82	23.44	21.63	18.26	14.77	23.69	21.89	18.52	15.02	23.42	21.61	18.24	14.75	23.18	21.37	18.00	14.51	24.31	22.50	19.13	15.64
1400	MBh	47.44	48.10	49.50	51.64	47.02	47.68	49.08	51.22	45.80	46.46	47.86	50.00	43.70	44.36	45.76	47.89	41.13	41.79	43.19	45.32	38.78	39.44	40.84	42.98
	S/T	0.81	0.74	0.60	0.45	0.82	0.74	0.60	0.46	1.00	0.77	0.63	0.48	1.00	0.79	0.65	0.50	1.00	0.81	0.67	0.53	1.00	1.00	0.73	0.58
	ΔT	22.40	20.59	17.22	13.73	22.35	20.54	17.17	13.68	22.60	20.80	17.43	13.93	22.33	20.52	17.15	13.66	22.09	20.28	16.91	13.42	23.22	21.41	18.04	14.55
	kW	2.97	2.96	2.96	2.98	3.30	3.30	3.29	3.32	3.70	3.70	3.69	3.72	4.13	4.12	4.12	4.15	4.61	4.60	4.60	4.63	5.17	5.17	5.16	5.19
	Amps	10.74	10.73	10.70	10.82	12.28	12.27	12.24	12.36	14.00	13.99	13.97	14.08	15.87	15.86	15.83	15.95	17.95	17.94	17.91	18.03	20.40	20.38	20.36	20.47
	Hi PR	272.21	273.39	275.30	280.04	315.13	316.31	318.22	322.56	360.09	361.27	363.18	367.92	408.50	409.68	411.59	416.33	460.70	461.88	463.79	468.53	516.40	517.58	519.49	524.23
75	Lo PR	122.54	124.05	127.17	132.39	129.99	131.50	134.62	139.84	136.52	138.03	141.15	146.37	142.04	143.55	146.67	151.89	147.45	148.97	152.09	157.30	154.24	155.75	158.87	164.09
	MBh	47.44	48.10	49.50	51.64	47.02	47.68	49.08	51.22	45.80	46.46	47.86	50.00	43.70	44.36	45.76	47.89	41.13	41.79	43.19	45.32	38.78	39.44	40.84	42.98
	S/T	0.81	0.74	0.60	0.45	0.82	0.74	0.60	0.46	1.00	0.77	0.63	0.48	1.00	0.79	0.65	0.50	1.00	0.81	0.67	0.53	1.00	1.00	0.73	0.58
	ΔT	22.40	20.59	17.22	13.73	22.35	20.54	17.17	13.68	22.60	20.80	17.43	13.93	22.33	20.52	17.15	13.66	22.09	20.28	16.91	13.42	23.22	21.41	18.04	14.55
	kW	2.97	2.96	2.96	2.98	3.30	3.30	3.31	3.34	3.72	3.71	3.71	3.74	4.15	4.14	4.14	4.16	4.63	4.62	4.62	4.64	5.19	5.18	5.18	5.21
	Amps	10.82	10.81	10.78	10.90	12.36	12.35	12.32	12.44	14.08	14.07	14.05	14.16	15.95	15.94	15.91	16.03	18.03	18.02	17.99	18.11	20.48	20.46	20.44	20.55
75	Hi PR	274.52	277.61	282.35	317.44	318.62	320.53	325.27	362.40	363.58	365.49	370.23	410.81	411.99	413.90	418.64	463.01	464.19	466.10	470.84	518.71	519.89	521.80	526.54	
	Lo PR	124.34	125.85	128.97	131.19	131.79	133.30	136.42	141.64	138.32	139.83	142.95	148.17	143.84	145.35	148.47	153.69	149.25	150.77	153.89	159.11	156.04	157.55	160.67	165.89
	MBh	48.18	48.84	50.24	52.37	47.76	48.42	49.82	51.96	46.54	47.20	48.60	50.73	44.44	45.10	46.50	47.89	41.87	42.53	43.93	46.06	39.52	40.18	41.58	43.72
	S/T	0.85	0.77	0.63	0.49	1.00	0.78	0.64	0.49	1.00	0.80	0.66	0.52	1.00	0.82	0.68	0.54	1.00	0.85	0.71	0.56	1.00	1.00	0.76	0.61
	ΔT	21.48	19.67	16.30	12.81	21.43	19.62	16.25	12.76	21.68	19.88	16.51	13.02	21.41	19.61	16.23	12.74	21.17	19.36	15.99	12.50	22.30	20.49	17.12	13.63
	kW	2.98	2.98	2.97	3.00	3.34	3.33	3.33	3.35	3.73	3.73	3.73	3.75	4.16	4.15	4.15	4.18	4.64	4.63	4.66	4.64	5.20	5.20	5.19	5.22
1800	Amps	10.89	10.87	10.85	10.96	12.43	12.42	12.39	12.51	14.15	14.14	14.11	14.23	16.02	16.00	15.98	16.1								

		OUTDOOR AMBIENT TEMPERATURE																													
		65						75						85						95						105					
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	59	63	67	71		
1400	MBh	47.1	47.7	49.1	51.3	46.7	47.3	48.7	50.8	45.4	46.1	47.5	49.6	43.3	44.0	45.4	47.5	40.8	41.4	42.8	45.0	38.4	39.1	40.5	42.6						
	S/T	1.00	0.80	0.66	0.52	1.00	0.81	0.67	0.52	1.00	0.84	0.70	0.55	1.00	0.86	0.72	0.57	1.00	1.00	0.74	0.59	1.00	1.00	0.79	0.65						
	ΔT	27.48	25.68	22.31	18.82	27.43	25.63	22.26	18.77	27.69	25.88	22.51	19.02	27.41	25.61	22.24	18.75	27.17	25.37	22.00	18.51	28.30	26.50	23.13	19.64						
	kW	2.95	2.95	2.94	2.97	3.30	3.30	3.30	3.30	3.70	3.70	3.69	3.72	4.13	4.13	4.12	4.15	4.61	4.61	4.63	5.17	5.17	5.16	5.19	5.19						
	Amps	10.75	10.73	10.71	10.83	12.29	12.28	12.25	12.37	14.01	14.00	13.97	14.09	15.88	15.84	15.84	15.96	17.95	17.92	18.04	20.40	20.39	20.36	20.48	20.48						
	Hi PR	273	274	276	281	316	317	319	323	361	362	364	368	410	412	417	461	464	469	517	518	520	525	525							
80	MBh	47.7	48.3	49.7	51.9	47.3	47.9	49.3	51.5	46.0	46.7	48.1	50.2	43.9	44.6	46.0	48.1	41.4	42.0	43.4	45.6	39.0	39.7	41.1	43.2						
	S/T	1.00	0.87	0.73	0.58	1.00	0.87	0.73	0.59	1.00	0.90	0.76	0.61	1.00	1.00	0.78	0.63	1.00	1.00	0.80	0.65	1.00	1.00	0.85	0.71						
	ΔT	24.59	21.22	17.72	26.34	24.54	21.17	17.68	26.60	24.79	21.42	17.93	26.32	24.52	21.15	17.66	26.08	24.28	20.91	17.42	27.21	25.41	22.04	18.55							
	kW	2.97	2.97	2.96	2.99	3.32	3.31	3.31	3.34	3.72	3.72	3.71	3.74	4.15	4.15	4.14	4.17	4.63	4.62	4.65	5.19	5.19	5.18	5.21	5.21						
	Amps	10.83	10.81	10.79	10.91	12.37	12.36	12.33	12.45	14.08	14.05	14.17	15.96	15.94	15.92	16.04	18.04	18.03	18.00	18.12	20.48	20.47	20.44	20.56	20.56						
	Lo PR	125	126	130	135	132	134	137	142	139	140	143	149	144	146	149	150	151	154	160	157	158	161	166							
1800	MBh	48.4	49.1	50.5	52.6	48.0	48.7	50.1	52.2	46.8	47.4	48.8	51.0	44.7	45.3	46.7	48.9	42.1	42.8	44.2	46.3	39.8	40.4	41.8	44.0						
	S/T	1.00	0.90	0.76	0.61	1.00	0.91	0.77	0.62	1.00	0.93	0.79	0.65	1.00	1.00	0.81	0.67	1.00	1.00	0.84	0.69	1.00	1.00	0.89	0.74						
	ΔT	25.47	23.67	20.30	16.81	25.42	23.62	20.25	16.76	25.68	23.87	20.50	17.01	25.41	23.60	20.23	16.74	25.16	23.36	19.99	16.50	26.29	24.49	21.12	17.63						
	kW	2.98	2.98	2.97	3.00	3.34	3.34	3.33	3.36	3.73	3.73	3.73	3.75	4.16	4.16	4.15	4.18	4.64	4.64	4.66	5.20	5.20	5.20	5.22	5.22						
	Amps	10.89	10.88	10.85	10.97	12.44	12.42	12.40	12.52	14.16	14.15	14.12	14.24	16.02	16.01	15.99	16.10	18.11	18.09	18.07	18.19	20.55	20.54	20.51	20.63	20.63					
	Hi PR	277	278	280	285	320	321	323	328	365	366	368	373	414	415	417	421	466	467	469	474	521	523	525	529	529					
127	Lo PR	127	128	132	137	134	136	139	144	141	142	145	151	146	148	151	156	152	153	156	162	159	160	163	168						
1400	MBh	47.9	48.5	49.9	52.1	47.4	48.1	49.5	51.6	46.2	46.9	48.3	50.4	44.1	44.8	46.2	48.3	41.5	42.2	43.6	45.7	39.2	39.9	41.3	43.4						
	S/T	1.00	0.91	0.77	0.62	1.00	0.91	0.77	0.63	1.00	0.80	0.65	0.50	1.00	1.00	0.82	0.67	1.00	1.00	0.84	0.70	1.00	1.00	0.89	0.75						
	ΔT	31.03	29.22	25.85	22.36	30.98	29.17	25.80	22.31	31.23	29.43	26.06	22.56	30.96	29.15	25.78	22.29	30.72	28.91	25.54	22.05	31.85	30.04	26.67	23.18						
	kW	2.95	2.95	2.95	2.97	3.31	3.31	3.30	3.33	3.71	3.70	3.70	3.73	4.14	4.13	4.13	4.15	4.62	4.61	4.61	4.63	5.18	5.18	5.17	5.20						
	Amps	10.78	10.76	10.74	10.86	12.32	12.31	12.28	12.40	14.04	14.03	14.00	14.12	15.91	15.89	15.87	15.99	17.99	17.98	18.07	20.43	20.42	20.39	20.51	20.51						
	Hi PR	274	275	277	282	317	318	320	325	362	363	365	370	410	411	413	418	462	464	466	470	518	519	521	526	526					
85	MBh	48.5	49.1	50.5	52.7	48.1	48.7	50.1	52.2	46.8	47.5	48.9	51.0	44.7	45.4	46.8	48.9	42.2	42.8	44.2	46.4	39.8	40.5	41.9	44.0						
	S/T	1.00	0.97	0.83	0.68	1.00	1.00	0.84	0.69	1.00	1.00	0.86	0.72	1.00	1.00	0.88	0.74	1.00	1.00	0.90	0.76	1.00	1.00	0.81	0.68						
	ΔT	29.94	28.13	24.76	21.27	29.89	28.08	24.71	21.22	30.14	28.33	24.96	21.47	29.87	28.06	24.69	21.20	29.63	27.82	24.45	20.96	30.76	28.95	25.58	22.09						
	kW	2.97	2.97	2.97	2.99	3.33	3.33	3.32	3.35	3.73	3.72	3.72	3.74	4.15	4.15	4.14	4.17	4.63	4.63	4.65	5.20	5.20	5.19	5.21	5.21						
	Amps	10.84	10.82	10.82	10.94	12.40	12.39	12.36	12.48	14.12	14.11	14.08	14.20	15.99	15.97	15.95	16.07	18.07	18.06	18.03	18.15	20.51	20.50	20.47	20.59	20.59					
	Hi PR	276	277	279	284	319	320	322	327	364	365	367	372	413	414	416	420	465	466	468	473	520	522	524	528	528					
1800	MBh	49.2	49.9	51.3	53.4	48.8	49.5	50.9	53.0	47.6	48.2	49.6	51.8	45.5	46.1	47.5	49.7	42.9	43.6	45.0	47.1	40.6	41.2	42.6	44.7						
	S/T	1.00	1.00	0.86	0.72	1.00	1.00	0.87	0.72	1.00	1.00	0.90	0.75	1.00	1.00	0.92	0.77	1.00	1.00	0.94	0.79	1.00	1.00	0.85	0.71						
	ΔT	29.02	27.21	23.84	20.35	28.97	27.16	23.79	20.30	29.22	27.42	24.05	20.55	28.95	27.14	23.77	20.28	28.71	26.90	23.53	20.04	29.84	28.03	24.66	21.17						
	kW	2.99	2.99	2.98	3.01	3.35	3.34	3.34	3.36	3.74	3.74	3.73	3.76	4.17	4.17	4.16	4.19	4.65	4.65	4.67	5.21	5.21	5.20	5.23	5.23						
	Amps	10.92	10.91	10.88	11.00	12.47	12.45	12.43	12.55	14.19	14.18	14.15	14.27	16.05	16.04	16.01	16.13	18.14	18.12	18.10	18.22	20.58	20.57	20.54	20.66	20.66					
	Hi PR	279	280	282	286	321	323	325	329	366	368	370	374	415	416	418	423	467	468	470	475	523	524	526	531	531					
129	Lo PR	129	130	133	139	136	138	141	146	143	147	153	148	150	153	158	154	155	158	156	162	160	163	168							

EXPANDED COOLING DATA — GPHH54841 LOW STAGE**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												115											
		65			75			85			95			105			115								
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
980	MBh	33.6	34.1	35.1	-	33.3	33.8	34.8	-	32.5	32.9	33.9	-	31.0	31.4	32.4	-	29.1	29.6	30.6	-	27.4	27.9	28.9	-
	S/T	0.64	0.56	0.41	-	0.64	0.56	0.42	-	0.67	0.59	0.45	-	1.00	0.61	0.47	-	1.00	0.63	0.49	-	1.00	0.69	0.55	-
	ΔT	18.83	17.09	13.84	-	18.79	17.05	13.79	-	19.03	17.29	14.04	-	18.77	17.03	13.78	-	18.54	16.79	13.54	-	19.63	17.89	14.63	-
	kW	1.86	1.85	1.85	-	2.08	2.08	2.07	-	2.33	2.33	2.32	-	2.60	2.60	2.59	-	2.90	2.90	2.89	-	3.25	3.25	3.25	-
	Amps	6.76	6.75	6.74	-	7.73	7.72	7.71	-	8.81	8.81	8.79	-	9.99	9.98	9.96	-	11.30	11.29	11.27	-	12.83	12.83	12.81	-
	Hi PR	260	261	263	-	301	302	304	-	344	345	347	-	390	391	393	-	440	441	443	-	493	495	496	-
70	Lo PR	126	127	131	-	134	135	138	-	140	142	145	-	146	148	151	-	152	153	156	-	159	160	163	-
	MBh	34.1	34.6	35.6	-	33.8	34.3	35.3	-	32.9	33.4	34.4	-	31.4	31.9	32.9	-	29.6	30.0	31.0	-	27.9	28.3	29.3	-
	S/T	0.70	0.62	0.48	-	0.71	0.63	0.48	-	0.73	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.70	0.55	-	1.00	0.75	0.61	-
	ΔT	17.78	16.04	12.79	-	17.73	15.99	12.74	-	17.98	16.24	12.99	-	17.72	15.97	12.72	-	17.48	15.74	12.49	-	18.57	16.83	13.58	-
	kW	1.87	1.87	1.86	-	2.09	2.09	2.08	-	2.34	2.34	2.33	-	2.61	2.61	2.60	-	2.91	2.91	2.91	-	3.26	3.26	3.26	-
	Amps	6.81	6.80	6.79	-	7.78	7.77	7.76	-	8.87	8.86	8.84	-	10.04	10.03	10.01	-	11.35	11.34	11.32	-	12.89	12.88	12.86	-
1260	Hi PR	262	263	265	-	303	304	306	-	346	347	349	-	393	394	395	-	442	444	445	-	496	497	499	-
	Lo PR	128	129	133	-	135	137	140	-	142	144	147	-	148	149	153	-	153	155	158	-	160	162	165	-
	MBh	34.6	35.1	36.1	-	34.3	34.8	35.8	-	33.4	33.9	34.9	-	31.9	32.4	33.4	-	30.1	30.6	31.6	-	28.4	28.9	29.9	-
	S/T	0.74	0.66	0.51	-	0.74	0.66	0.52	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	0.73	0.59	-	1.00	1.00	0.64	-
	ΔT	16.90	15.15	11.90	-	16.85	15.11	11.85	-	17.09	15.35	12.10	-	16.83	15.09	11.84	-	16.60	14.86	11.60	-	17.69	15.95	12.69	-
	kW	1.88	1.88	1.87	-	2.10	2.10	2.09	-	2.35	2.35	2.34	-	2.62	2.62	2.61	-	2.92	2.92	2.91	-	3.27	3.27	3.27	-
1260	Amps	6.85	6.85	6.83	-	7.82	7.82	7.80	-	8.91	8.90	8.88	-	10.08	10.07	10.06	-	11.39	11.38	11.37	-	12.93	12.92	12.90	-
	Hi PR	264	265	267	-	305	307	308	-	348	349	351	-	395	396	398	-	445	446	448	-	498	499	501	-
	Lo PR	130	131	135	-	138	139	142	-	144	146	149	-	150	151	155	-	155	157	160	-	162	164	167	-

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												115											
		65			75			85			95			105			115								
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
980	MBh	33.7	34.1	35.1	36.7	33.4	33.8	34.8	36.4	32.5	33.0	34.0	35.5	31.0	31.5	32.5	34.0	29.1	29.6	30.6	32.1	27.4	27.9	28.9	30.5
	S/T	0.77	0.69	0.55	0.40	1.00	0.70	0.56	0.41	1.00	0.73	0.58	0.43	1.00	0.75	0.60	0.45	1.00	0.77	0.63	0.48	1.00	1.00	0.68	0.53
	ΔT	22.66	20.92	17.67	14.30	22.62	20.87	17.62	14.25	22.86	21.12	17.87	14.50	22.60	20.86	17.60	14.24	22.37	20.62	17.37	14.00	23.46	21.71	18.46	15.09
	kW	1.85	1.85	1.85	1.87	2.08	2.08	2.07	2.07	2.33	2.32	2.32	2.34	2.60	2.59	2.59	2.61	2.90	2.90	2.89	2.91	3.25	3.25	3.25	3.26
	Amps	6.75	6.75	6.73	6.80	7.73	7.72	7.70	7.78	8.81	8.80	8.78	8.86	9.98	9.97	9.96	10.03	11.29	11.28	11.27	11.34	12.83	12.82	12.80	12.88
	Hi PR	260	261	263	268	301	302	304	309	344	345	347	352	391	392	393	398	440	442	443	448	494	495	497	501
75	Lo PR	126	128	131	136	134	135	138	144	140	142	145	150	146	148	151	156	152	153	156	162	159	160	163	169
	MBh	34.11	34.6	35.6	37.1	33.8	34.3	35.3	36.8	32.9	33.4	34.4	35.9	31.4	31.9	32.9	34.4	29.6	30.0	31.1	32.6	27.9	28.4	29.4	30.9
	S/T	0.84	0.76	0.61	0.46	1.00	0.76	0.62	0.47	1.00	0.79	0.65	0.50	1.00	0.81	0.67	0.52	1.00	0.77	0.69	0.54	1.00	1.00	0.74	0.59
	ΔT	21.61	19.87	16.62	13.25	21.56	19.82	16.57	13.20	21.81	20.07	16.82	13.45	21.55	19.80	16.55	13.18	21.31	19.57	16.32	12.95	22.40	20.66	17.41	14.04
	kW	1.87	1.86	1.86	1.88	2.09	2.09	2.08	2.10	2.34	2.34	2.33	2.35	2.61	2.61	2.60	2.62	2.91	2.91	2.90	2.92	3.26	3.26	3.26	3.27
	Amps	6.80	6.80	6.78	6.85	7.78	7.77	7.75	7.83	8.86	8.85	8.83	8.91	10.03	10.02	10.01	10.08	11.34	11.33	11.32	11.39	12.88	12.87	12.85	12.93
75	Hi PR	262	264	265	270	303	305	306	311	346	348	349	354	393	394	396	400	443	444	446	450	496	497	499	503
	Lo PR	128	129	133	135	140	146	142	144	147	152	148	147	153	158	155	158	164	160	162	165	171			
	MBh	34.6	35.1	36.1	37.7	34.3	34.8	35.8	37.4	33.5	33.9	34.9	36.5	31.9	32.4	33.4	35.0	30.1	30.6	31.6	33.1	28.4	28.9	29.9	31.4
	S/T	0.87	0.79	0.65	0.50	1.00	0.80	0.66	0.51	1.00	0.83	0.68	0.53	1.00	0.85	0.70	0.55	1.00	1.00	0.73	0.58	1.00	1.00	0.78	0.63
	ΔT	20.73	18.98	15.73	12.36	20.68	18.94	15.68	12.32	20.92	19.18	15.93	12.56	20.66	18.92	15.67	12.30	20.43	18.69	15.43	12.06	21.52	19.78	16.52	13.15
	kW	1.88	1.87	1.87	1.89	2.10	2.10	2.09	2.11	2.35	2.35	2.34	2.36	2.62	2.61	2.60	2.62	2.91	2.91	2.90	2.92	3.27	3.27	3.28	3.28
1260	Amps	6.85	6.84	6.82	6.90	7.82	7.81	7.79	7.87	8.90	8.89	8.88	8.95	10.07	10.05	10.02	10.08	11.38	11.36	11.34	12.93	12.91	12.90	12.97	12.97
	Hi PR	265	266	268	272	306	307	309	313	349	350	352	356	395	396	398	402	445	446	448	452	498	499	501	506
	Lo PR	130	131	135	140	138	139	142	148	144	146	149	154	150	151	1									

		OUTDOOR AMBIENT TEMPERATURE																													
		65						75						85						95						105					
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	59	63	67	71		
980	MBh	33.8	34.3	35.3	36.9	33.5	34.0	35.0	36.6	32.7	33.1	34.1	35.7	31.2	31.6	32.6	34.2	29.3	29.8	30.8	32.3	27.6	28.1	29.1	30.6						
	S/T	1.00	0.83	0.68	0.5	1.00	0.83	0.69	0.5	1.00	0.86	0.72	0.6	1.00	1.00	0.74	0.6	1.00	0.76	0.6	1.00	1.00	0.81	0.81	0.7						
	ΔT	26.52	24.78	21.53	18.2	26.47	24.73	21.48	18.1	26.72	24.98	21.72	18.4	26.45	24.71	21.46	18.1	26.22	24.48	21.23	17.9	27.31	25.57	22.32	18.9						
	kW	1.86	1.85	1.85	1.87	1.87	1.87	2.08	2.07	2.09	2.33	2.33	2.32	2.34	2.60	2.59	2.61	2.90	2.89	2.91	3.25	3.25	3.25	3.26							
	Amps	6.76	6.75	6.74	6.81	7.73	7.73	7.71	7.78	8.81	8.81	8.79	8.86	9.98	9.96	10.04	11.30	11.27	11.35	12.83	12.83	12.81	12.81	12.88							
	Hi PR	261	262	264	268	302	303	305	309	345	346	348	352	391	392	394	398	441	442	448	494	495	497	497	502						
80	Lo PR	127	128	131	137	134	136	139	144	141	142	146	151	147	148	151	157	152	154	157	162	159	161	164	169						
	MBh	34.3	34.8	35.8	37.3	34.0	34.5	35.5	37.0	33.1	33.6	34.6	36.1	31.6	32.1	33.1	34.6	29.7	30.2	31.2	32.8	28.1	28.5	29.5	31.1						
	S/T	1.00	0.89	0.75	0.6	1.00	0.90	0.75	0.6	1.00	0.92	0.78	0.6	1.00	1.00	0.80	0.6	1.00	0.82	0.7	1.00	1.00	0.88	0.88	0.7						
	ΔT	25.47	23.73	20.47	17.1	25.42	23.68	20.43	17.1	25.67	23.92	20.67	17.3	25.40	23.66	20.41	17.0	25.17	23.43	20.18	16.8	26.26	24.52	21.27	17.9						
	kW	1.87	1.87	1.86	1.88	2.09	2.09	2.08	2.10	2.34	2.34	2.33	2.35	2.61	2.61	2.60	2.62	2.91	2.91	2.90	2.92	3.26	3.26	3.28							
	Amps	6.81	6.80	6.79	6.86	7.78	7.78	7.76	7.83	8.86	8.84	8.91	8.91	10.04	10.03	10.01	10.09	11.35	11.34	11.32	11.40	12.88	12.86	12.93							
1260	Hi PR	263	264	266	270	304	305	307	311	347	348	350	354	393	394	396	401	443	444	446	451	496	497	499	504						
	Lo PR	128	130	133	139	136	138	141	146	143	144	148	153	148	150	153	159	154	156	159	164	161	163	166	171						
	MBh	34.8	35.3	36.3	37.8	34.5	35.0	36.0	37.5	33.6	34.1	35.1	36.7	32.1	32.6	33.6	35.1	30.3	30.8	31.8	33.3	28.6	29.1	30.1	31.6						
	S/T	1.00	0.92	0.78	0.6	1.00	0.93	0.79	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.8							
	ΔT	24.58	22.84	19.59	16.2	24.53	22.79	19.54	16.2	24.78	23.04	19.79	16.4	24.52	22.77	19.52	16.2	24.28	22.54	19.29	15.9	25.37	23.63	20.38	17.0						
	kW	1.88	1.87	1.87	1.89	2.10	2.10	2.09	2.11	2.35	2.35	2.34	2.36	2.62	2.62	2.61	2.63	2.92	2.92	2.91	2.93	3.27	3.27	3.29							
1260	Amps	6.85	6.84	6.83	6.90	7.82	7.82	7.80	7.87	8.91	8.90	8.88	8.96	10.08	10.07	10.05	10.13	11.39	11.38	11.36	11.44	12.93	12.92	12.90	12.98						
	Hi PR	265	266	268	273	306	307	309	314	349	350	352	357	395	396	398	403	445	446	448	453	499	500	501	506						
	Lo PR	130	132	135	141	138	140	143	148	145	146	150	155	150	152	155	161	156	158	161	166	163	165	168	173						

IDB = Entering indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling: 10-13 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 10-14 °F @ the compressor suction access fitting connection.

Shaded area reflects AHRI conditions.

KW = Total system power

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE						105					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
1500	MBh	58.29	59.11	60.85	-	57.77	58.59	60.33	-	56.24	57.07	58.81	-	53.63	54.45	56.19	-	50.43	51.25	52.99	-	47.51	48.33	50.07	-
	S/T	0.58	0.51	0.38	-	0.59	0.52	0.39	-	0.61	0.54	0.41	-	0.63	0.56	0.43	-	0.65	0.58	0.45	-	1.00	0.63	0.50	-
	ΔT	20.69	18.77	15.19	-	20.64	18.72	15.13	-	20.91	18.99	15.40	-	20.62	18.70	15.11	-	20.36	18.44	14.86	-	21.57	19.65	16.06	-
	kW	3.62	3.62	3.61	-	4.08	4.07	4.07	-	4.59	4.59	4.58	-	5.14	5.14	5.13	-	5.76	5.76	5.75	-	6.49	6.48	6.47	-
	Amps	13.48	13.47	13.43	-	15.48	15.46	15.43	-	17.70	17.68	17.65	-	20.10	20.09	20.05	-	22.79	22.77	22.74	-	25.94	25.93	25.89	-
	Hi PR	280.70	281.92	283.89	-	324.98	326.19	328.17	-	371.36	372.57	374.55	-	421.30	422.52	424.49	-	475.15	476.36	478.34	-	532.61	533.83	535.80	-
70	Lo PR	117.85	119.30	122.30	-	125.01	126.47	129.47	-	131.29	132.74	135.74	-	136.59	138.05	141.04	-	141.80	143.25	146.25	-	148.32	149.77	152.77	-
	MBh	59.01	59.83	61.57	-	58.49	59.31	61.05	-	56.97	57.79	59.53	-	54.35	55.17	56.91	-	51.15	51.98	53.72	-	48.23	49.06	50.80	-
	S/T	0.64	0.56	0.43	-	0.64	0.57	0.44	-	0.67	0.59	0.46	-	0.69	0.61	0.48	-	1.00	0.63	0.50	-	1.00	0.68	0.55	-
	ΔT	19.61	17.69	14.10	-	19.55	17.63	14.05	-	19.82	17.90	14.32	-	19.53	17.61	14.03	-	19.28	17.36	13.77	-	20.48	18.56	14.97	-
	kW	3.64	3.64	3.63	-	4.10	4.10	4.09	-	4.61	4.61	4.60	-	5.16	5.16	5.15	-	5.78	5.78	5.77	-	6.51	6.50	6.50	-
	Amps	13.58	13.57	13.53	-	15.57	15.56	15.52	-	17.79	17.78	17.74	-	20.20	20.18	20.15	-	22.89	22.87	22.84	-	26.04	26.02	25.99	-
1900	Hi PR	282.94	284.16	286.13	-	327.21	328.43	330.40	-	373.60	374.81	376.79	-	423.54	424.75	426.73	-	477.38	478.60	480.57	-	534.85	536.06	538.04	-
	Lo PR	119.48	120.94	123.93	-	126.65	128.10	131.10	-	132.92	134.38	137.37	-	138.22	139.68	142.68	-	143.43	144.89	147.88	-	149.95	151.41	154.40	-
	MBh	59.87	60.69	62.43	-	59.35	60.17	61.91	-	57.83	58.65	60.39	-	55.21	56.03	57.77	-	52.01	52.84	54.58	-	49.09	49.92	51.66	-
	S/T	0.67	0.60	0.47	-	0.67	0.60	0.47	-	0.70	0.63	0.50	-	0.72	0.64	0.51	-	1.00	0.66	0.54	-	1.00	0.71	0.58	-
	ΔT	18.68	16.76	13.18	-	18.63	16.71	13.13	-	18.90	16.98	13.39	-	18.61	16.69	13.11	-	18.36	16.43	12.85	-	19.56	17.64	14.05	-
	kW	3.66	3.66	3.65	-	4.12	4.12	4.11	-	4.63	4.63	4.62	-	5.18	5.18	5.17	-	5.80	5.80	5.79	-	6.53	6.52	6.52	-
75	Amps	13.66	13.65	13.61	-	15.65	15.64	15.60	-	17.88	17.86	17.83	-	20.28	20.27	20.23	-	22.97	22.95	22.92	-	26.12	26.11	26.07	-
	Hi PR	285.12	286.34	288.31	-	329.39	330.61	332.58	-	375.77	376.99	378.96	-	425.71	426.93	428.90	-	479.56	480.78	482.75	-	537.02	538.24	540.21	-
	Lo PR	121.28	122.73	125.73	-	128.44	129.90	132.90	-	134.72	136.17	139.17	-	140.02	141.48	144.48	-	145.23	146.68	149.68	-	151.75	153.20	156.20	-
	MBh	59.32	59.14	60.88	63.54	57.80	58.62	60.36	63.02	56.28	57.10	58.84	61.50	53.66	54.48	56.22	58.88	50.46	51.29	53.03	55.68	47.54	48.37	50.11	52.76
	S/T	0.71	0.63	0.50	0.37	0.71	0.64	0.51	0.37	0.74	0.66	0.53	0.40	1.00	0.68	0.55	0.42	1.00	0.70	0.57	0.44	1.00	0.75	0.62	0.49
	ΔT	22.99	19.41	15.69	24.86	22.94	19.36	15.64	25.13	23.21	19.63	15.91	24.84	22.92	19.34	15.62	24.59	22.67	19.08	15.36	25.79	23.87	20.28	16.57	
1900	MBh	58.32	59.14	60.88	63.54	57.80	58.62	60.36	63.02	56.28	57.10	58.84	61.50	53.66	54.48	56.22	58.88	50.46	51.29	53.03	55.68	47.54	48.37	50.11	52.76
	S/T	0.71	0.63	0.50	0.37	0.71	0.64	0.51	0.37	0.74	0.66	0.53	0.40	1.00	0.68	0.55	0.42	1.00	0.70	0.57	0.44	1.00	0.75	0.62	0.49
	ΔT	23.83	21.91	18.32	14.61	23.78	21.86	18.27	14.56	24.05	22.13	18.54	14.83	23.76	21.84	18.25	14.54	23.50	21.58	17.99	14.28	24.70	22.78	19.20	15.48
	kW	3.64	3.64	3.63	3.64	4.08	4.07	4.06	4.10	4.59	4.58	4.58	4.61	5.14	5.14	5.13	5.16	5.76	5.75	5.75	5.78	6.48	6.47	6.51	6.51
	Amps	13.47	13.46	13.42	13.57	15.46	15.45	15.41	15.57	17.69	17.67	17.64	17.79	20.09	20.07	20.04	20.19	22.78	22.73	22.73	22.88	25.93	25.91	25.88	26.03
	Hi PR	280.95	282.17	284.14	289.03	325.22	326.44	328.41	333.30	371.60	372.82	374.79	379.69	421.55	422.76	424.74	429.63	475.39	476.61	478.58	483.47	532.86	534.07	536.05	540.94
75	Lo PR	117.88	119.33	122.33	127.34	125.04	126.50	129.49	134.51	131.31	132.77	135.77	140.78	136.62	138.07	141.07	146.09	141.83	143.28	146.28	151.29	148.35	149.80	152.80	157.81
	MBh	59.04	59.87	61.61	64.26	58.52	59.35	61.09	63.74	57.00	57.82	59.56	62.22	54.39	55.21	56.95	59.61	51.19	52.01	53.75	56.41	48.27	49.09	50.83	53.49
	S/T	0.76	0.69	0.56	0.42	0.77	0.69	0.56	0.43	0.79	0.72	0.59	0.45	1.00	0.74	0.61	0.47	1.00	0.76	0.63	0.49	1.00	0.81	0.68	0.54
	ΔT	23.83	21.91	18.32	14.61	23.78	21.86	18.27	14.56	24.05	22.13	18.54	14.83	23.76	21.84	18.25	14.54	23.50	21.58	17.99	14.28	24.70	22.78	19.20	15.48
	kW	3.64	3.64	3.63	3.66	4.10	4.09	4.08	4.12	4.61	4.61	4.60	4.63	5.16	5.16	5.15	5.19	5.78	5.78	5.77	5.80	6.51	6.50	6.49	6.53
	Amps	13.57	13.55	13.52	13.67	15.56	15.55	15.51	15.66	17.78	17.77	17.73	17.88	20.19	20.17	20.14	20.29	22.87	22.82	22.82	22.98	26.03	26.01	25.98	26.13
1900	Hi PR	283.19	284.41	286.38	291.27	327.46	328.68	330.65	335.54	373.84	375.06	377.03	381.92	423.79	425.00	426.98	431.87	477.63	482.71	488.85	490.82	538.28	543.18	543.18	543.18
	Lo PR	119.51	120.96	123.96	128.98	126.67	128.13	131.13	136.14	132.95	134.40	137.40	142.42	138.25	139.71	142.71	147.72	143.46	144.91	147.91	152.93	149.98	151.43	154.43	159.45
	MBh	59.90	60.73	62.47	65.12	59.38	60.21	61.95	64.60	57.86	58.68	60.42	63.08	55.25	56.07	57.81	60.47	52.05	52.87	54.61	57.27	49.13	49.95	51.69	54.35
	S/T	0.79	0.72	0.59	0.45	0.80	0.72	0.59	0.46	1.00	0.75	0.62	0.48	0.63	0.77	0.64	0.50	1.00	0.79	0.66	0.52	1.00	0.84	0.71	0.57
	ΔT	22.91	20.99	17.40	13.69	22.85	20.93	17.35	13.63	23.12	21.20	17.62	13.90	22.83	20.91	17.33	13.61	22.58	20.66	17.07	13.36	23.78	21.86	18.27	14.56
	kW	3.66	3.65	3.65	3.68	4.12	4.11	4.10	4.14	4.63	4.62	4.62	4.65	5.18	5.18	5.17	5.20	5.80	5.80	5.79	5.82	6.52	6.52	6.51	6.55
75	Amps	13.65	13.63	13.60	13.75	15.64	15.63	15.59	15.74	17.86	17.85	17.81	17.97	20.27	20.25	20.22									

IDB	Airflow	OUTDOOR AMBIENT TEMPERATURE												105			
		65	75	85	95	ENTERING INDOOR WET BULB TEMPERATURE				105				115			
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
1500	MBh	58.62	59.45	61.19	63.84	58.10	58.92	60.66	63.32	56.58	57.40	59.14	61.80	53.96	54.79	56.53	59.18
	S/T	0.83	0.75	0.62	0.49	1.00	0.76	0.63	0.49	1.00	0.78	0.65	0.52	1.00	0.80	0.67	0.54
	ΔT	29.17	27.25	23.66	19.94	29.11	27.19	23.61	19.89	29.38	27.46	23.88	20.16	29.09	27.17	23.59	19.87
	kW	3.62	3.62	3.61	3.64	4.08	4.07	4.10	4.07	4.59	4.59	4.58	4.61	5.14	5.13	5.17	5.76
	Amps	13.48	13.47	13.43	13.58	15.47	15.46	15.42	15.58	17.70	17.68	17.65	17.80	20.10	20.08	20.05	22.79
	Hi PR	281.47	282.69	284.66	289.95	325.74	326.96	328.93	333.82	372.12	373.34	375.31	380.20	422.06	423.28	425.25	430.14
80	MBh	59.35	60.17	61.91	64.57	58.82	59.65	61.39	64.05	57.30	58.13	59.87	62.52	54.69	55.51	57.25	59.91
	S/T	0.88	0.81	0.68	0.54	1.00	0.81	0.68	0.55	1.00	0.84	0.71	0.57	1.00	0.86	0.73	0.59
	ΔT	28.08	26.16	22.57	18.86	28.03	26.11	22.52	18.81	28.30	26.38	22.79	19.08	28.01	26.09	22.50	18.79
	kW	3.64	3.64	3.63	3.67	4.10	4.10	4.09	4.12	4.61	4.61	4.60	4.63	5.16	5.16	5.15	5.19
	Amps	13.58	13.56	13.53	13.68	15.57	15.55	15.52	15.67	17.79	17.78	17.74	17.89	20.20	20.18	20.15	20.30
	Lo PR	120.03	121.48	124.48	129.50	127.19	128.65	131.65	136.66	133.47	134.92	137.92	142.94	138.77	140.23	143.23	148.24
1900	MBh	60.21	61.03	62.77	65.43	59.68	60.51	62.25	64.91	58.16	58.99	60.73	63.38	55.55	56.37	58.11	60.77
	S/T	0.91	0.84	0.71	0.57	1.00	0.84	0.71	0.58	1.00	0.87	0.74	0.60	1.00	0.89	0.76	0.62
	ΔT	27.16	25.24	21.65	17.94	27.11	25.19	21.60	17.88	27.38	25.46	21.87	18.15	27.09	25.17	21.58	17.86
	kW	3.66	3.66	3.65	3.68	4.12	4.12	4.11	4.14	4.63	4.63	4.62	4.65	5.18	5.18	5.17	5.21
	Amps	13.66	13.64	13.61	13.76	15.65	15.64	15.60	15.75	17.87	17.86	17.82	17.98	20.28	20.26	20.23	20.38
	Hi PR	285.88	287.10	289.07	293.96	330.16	331.37	333.35	338.24	376.54	377.75	379.73	384.62	426.48	427.70	429.67	434.56
121.83	MBh	59.60	60.43	62.17	64.82	59.08	59.91	61.65	64.30	57.56	58.38	60.12	62.78	54.94	55.77	57.51	60.17
	S/T	1.00	0.85	0.72	0.58	1.00	0.86	0.73	0.59	1.00	0.88	0.75	0.61	1.00	0.87	0.74	0.63
	ΔT	32.94	31.02	27.43	23.72	32.88	30.96	27.38	23.66	33.15	31.23	27.65	23.93	32.87	30.94	27.36	23.64
	kW	3.63	3.63	3.62	3.65	4.09	4.08	4.08	4.11	4.60	4.59	4.59	4.62	5.15	5.15	5.14	5.17
	Amps	13.52	13.50	13.47	13.62	15.51	15.46	15.46	15.61	17.73	17.72	17.68	17.84	20.14	20.12	20.11	20.24
	Lo PR	120.16	121.62	124.61	129.63	127.33	132.06	130.25	135.14	137.44	134.66	137.63	138.63	423.38	424.60	426.57	431.46
85	MBh	60.33	61.15	62.89	65.55	59.81	60.63	62.37	65.03	58.29	59.11	60.85	63.51	55.67	56.49	58.23	60.89
	S/T	1.00	0.90	0.77	0.64	1.00	0.91	0.78	0.64	1.00	0.90	0.80	0.67	1.00	0.90	0.82	0.69
	ΔT	31.85	29.93	26.35	22.63	31.80	29.88	26.29	22.58	32.07	30.15	26.56	22.85	31.78	29.86	26.27	22.56
	kW	3.65	3.65	3.64	3.67	4.11	4.11	4.10	4.13	4.62	4.62	4.61	4.64	5.17	5.17	5.16	5.20
	Amps	13.62	13.60	13.57	13.72	15.61	15.59	15.56	15.71	17.81	17.81	17.78	17.93	20.24	20.22	20.19	20.34
	Hi PR	285.03	286.24	288.22	293.11	329.30	330.52	332.49	337.38	375.68	376.90	378.87	383.76	425.62	426.84	428.81	433.70
121.80	MBh	61.19	62.01	63.75	66.41	60.67	61.49	63.23	65.89	59.15	59.97	61.71	64.37	56.53	57.35	59.09	61.75
	S/T	1.00	0.94	0.81	0.67	1.00	0.94	0.81	0.67	1.00	0.90	0.84	0.70	1.00	0.90	0.85	0.72
	ΔT	30.93	29.01	25.42	21.71	30.88	28.96	25.37	21.65	31.15	29.23	25.64	21.92	30.86	28.94	25.35	21.64
	kW	3.67	3.67	3.66	3.69	4.13	4.12	4.12	4.15	4.64	4.64	4.63	4.66	5.19	5.19	5.18	5.22
	Amps	13.70	13.68	13.65	13.80	15.69	15.67	15.64	15.79	17.91	17.90	17.86	18.01	20.32	20.30	20.27	20.42
	Lo PR	123.59	125.05	128.05	133.06	130.76	132.21	135.21	140.23	137.03	138.49	141.49	146.50	142.34	143.79	146.79	151.80

IDB = Entering Indoor Dry Bulb Temperature

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

Design Subcooling, 5-7 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

Kw = Total system power

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED COOLING DATA — GPHH56041 LOW STAGE**

		OUTDOOR AMBIENT TEMPERATURE												115										
		65						75						85			95			105				
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71			
1050	MBh	41.91	42.50	43.75	-	41.53	42.12	43.38	-	40.44	41.03	42.28	-	38.56	39.15	40.40	-	36.26	36.85	38.10	-	34.16	34.75	36.00
	S/T	0.60	0.52	0.39	-	0.61	0.53	0.40	-	0.63	0.56	0.42	-	0.65	0.57	0.44	-	1.00	0.60	0.46	-	1.00	0.65	0.51
	ΔT	19.97	18.11	14.65	-	19.92	18.06	14.60	-	20.18	18.32	14.86	-	19.90	18.04	14.58	-	19.65	17.80	14.34	-	20.81	18.96	15.50
	kW	2.28	2.27	2.27	-	2.57	2.56	2.56	-	2.89	2.88	2.88	-	3.23	3.23	3.23	-	3.62	3.62	3.62	-	4.08	4.08	4.07
	Amps	8.48	8.47	8.45	-	9.73	9.72	9.70	-	11.13	11.12	11.10	-	12.64	12.64	12.61	-	14.34	14.33	14.30	-	16.32	16.31	16.29
	Hi PR	268.35	269.52	271.40	-	310.68	311.84	313.73	-	355.02	356.18	358.07	-	402.76	403.93	405.81	-	454.24	455.40	457.29	-	509.17	510.34	512.22
70	Lo PR	121.15	122.64	125.73	-	128.51	130.01	133.09	-	134.96	136.46	139.54	-	140.42	141.91	144.99	-	145.77	147.26	150.35	-	152.47	153.97	157.05
	MBh	42.43	43.02	44.27	-	42.05	42.65	43.90	-	40.96	41.55	42.80	-	39.08	39.67	40.92	-	36.78	37.37	38.62	-	34.68	35.27	36.52
	S/T	0.65	0.58	0.45	-	0.66	0.59	0.45	-	0.68	0.61	0.48	-	0.70	0.63	0.50	-	1.00	0.65	0.52	-	1.00	0.70	0.57
	ΔT	18.92	17.07	13.61	-	18.87	17.02	13.56	-	19.13	17.28	13.82	-	18.85	17.00	13.54	-	18.60	16.75	13.29	-	19.76	17.91	14.45
	kW	2.29	2.29	2.28	-	2.58	2.58	2.57	-	2.90	2.90	2.89	-	3.25	3.25	3.24	-	3.64	3.64	3.63	-	4.09	4.09	4.09
	Amps	8.54	8.53	8.51	-	9.79	9.78	9.76	-	11.19	11.18	11.16	-	12.71	12.70	12.67	-	14.40	14.39	14.36	-	16.38	16.37	16.35
1330	Hi PR	270.49	271.66	273.54	-	312.82	313.98	315.87	-	357.16	358.32	360.21	-	404.90	406.07	407.95	-	456.38	457.54	459.43	-	511.31	512.48	514.36
	Lo PR	122.83	124.32	127.40	-	130.19	131.69	134.77	-	136.64	138.14	141.22	-	142.10	143.59	146.67	-	147.45	148.94	152.03	-	154.15	155.64	158.73
	MBh	43.05	43.64	44.89	-	42.67	43.26	44.51	-	41.58	42.17	43.42	-	39.70	40.29	41.54	-	37.40	37.99	39.24	-	35.30	35.89	37.14
	S/T	0.69	0.61	0.48	-	0.69	0.62	0.48	-	0.72	0.64	0.51	-	1.00	0.66	0.53	-	1.00	0.68	0.55	-	1.00	0.73	0.60
	ΔT	18.03	16.18	12.72	-	17.98	16.13	12.67	-	18.24	16.39	12.93	-	17.96	16.11	12.65	-	17.71	15.86	12.40	-	18.87	17.02	13.56
	kW	2.30	2.30	2.30	-	2.59	2.59	2.58	-	2.91	2.91	2.91	-	3.26	3.26	3.25	-	3.65	3.64	3.64	-	4.11	4.10	4.10
75	Amps	8.59	8.58	8.56	-	9.85	9.84	9.82	-	11.24	11.23	11.21	-	12.76	12.75	12.73	-	14.45	14.44	14.42	-	16.43	16.42	16.40
	Hi PR	272.57	273.74	275.62	-	314.90	316.06	317.95	-	359.24	360.40	362.29	-	406.98	408.15	410.03	-	458.46	459.62	461.51	-	513.39	514.56	516.44
	Lo PR	124.68	126.17	129.25	-	132.04	133.54	136.62	-	138.49	139.99	143.07	-	143.94	145.44	148.52	-	149.30	150.79	153.87	-	156.00	157.49	160.58
	MBh	41.93	42.52	43.78	45.69	41.56	42.15	43.40	45.31	40.46	41.06	42.31	44.22	38.58	39.17	40.43	42.34	36.28	36.87	38.13	40.04	34.18	34.78	36.03
	S/T	0.73	0.65	0.52	0.38	0.73	0.66	0.52	0.38	1.00	0.68	0.55	0.41	1.00	0.70	0.57	0.43	1.00	0.72	0.59	0.45	1.00	0.77	0.64
	ΔT	24.04	22.19	18.73	15.14	23.99	22.14	18.68	15.09	24.25	22.40	18.94	15.35	23.97	22.12	18.66	15.07	23.73	21.87	18.41	14.83	24.89	23.03	19.57
1050	Hi PR	268.59	269.75	271.64	276.31	310.91	312.08	313.96	318.64	355.25	356.42	358.30	362.98	403.00	404.16	406.05	410.72	454.48	455.64	457.53	462.20	509.41	510.57	512.46
	Lo PR	121.18	122.67	125.75	130.91	128.54	130.04	133.12	138.27	134.99	136.49	139.57	144.72	140.44	141.94	145.02	150.18	145.80	147.29	150.37	155.53	152.50	153.99	157.08
	MBh	42.45	43.04	44.30	46.21	42.08	42.67	43.92	45.83	40.98	41.58	42.83	44.74	39.10	39.69	40.95	42.86	36.80	37.40	38.65	40.56	34.70	35.30	36.55
	S/T	0.78	0.71	0.57	0.43	0.79	0.71	0.58	0.44	1.00	0.74	0.60	0.46	1.00	0.76	0.62	0.48	1.00	0.78	0.64	0.50	1.00	0.69	0.55
	ΔT	23.00	21.14	17.68	14.10	22.95	21.09	17.63	14.05	23.21	21.35	17.89	14.31	22.93	21.07	17.61	14.03	22.68	20.83	17.36	13.78	23.84	21.99	18.53
	kW	2.29	2.29	2.28	2.30	2.58	2.58	2.57	2.59	2.90	2.90	2.89	2.91	3.25	3.24	3.24	3.26	3.64	3.63	3.63	3.65	4.09	4.09	4.11
1330	Amps	8.53	8.52	8.50	8.60	9.79	9.78	9.76	9.85	11.18	11.17	11.15	11.25	12.70	12.69	12.67	12.76	14.39	14.38	14.36	14.45	16.37	16.36	16.44
	Hi PR	270.73	273.78	278.45	313.05	314.22	316.10	320.78	357.39	358.56	360.44	365.12	405.14	406.30	408.19	412.86	456.62	457.78	459.67	464.34	511.55	512.71	514.60	
	Lo PR	122.86	124.35	127.43	132.59	130.22	131.72	134.80	139.95	136.67	138.17	141.25	146.40	142.12	143.62	146.70	151.86	147.48	148.97	152.05	157.21	154.18	155.67	158.76
	MBh	43.07	43.66	44.91	46.82	42.70	43.29	44.54	46.45	41.60	42.19	43.45	45.36	39.72	40.31	41.56	43.47	37.42	38.01	39.26	41.18	35.32	35.91	37.17
	S/T	0.81	0.74	0.60	0.46	0.82	0.74	0.61	0.47	1.00	0.77	0.64	0.50	1.00	0.79	0.65	0.51	1.00	0.81	0.68	0.54	1.00	1.00	0.59
	ΔT	22.11	20.25	16.79	13.21	22.05	20.20	16.74	13.16	22.31	20.46	17.00	13.42	22.04	20.18	16.72	13.14	21.79	19.93	16.47	12.89	22.95	21.09	17.63
75	Amps	8.59	8.58	8.55	8.65	9.84	9.83	9.81	9.90	11.24	11.23	11.20	11.30	12.75	12.74	12.72	12.81	14.44	14.43	14.41	14.50	16.42	16.41	16.39
	Hi PR	272.81	273.97	275.86	280.54	315.13	316.30	318.18	322.86	359.47	360.64	362.52	367.20	407.22	408.38	410.27	414.94	458.70	459.86	461.75	466.42	513.63	514.79	516.68
	Lo PR	124.70	126.20	129.28	134.44	132.07	133.56	136.65	141.80	138.52	140.01	143.10	148.25	143.97	145.47	148.55	153.71	149.32	150.82	153.90	159.06	156.03	157.52	160.60
	MBh	41.93	42.52	43.78	45.69	41.56	42.15	43.40	45.31	40.46	41.06	42.31	44.22	38.58	39.17	40.43	42.34	36.28	36.87	38.13	40.04	34.18	34.78	36.03
	S/T	0.73	0.65	0.52	0.38	0.73	0.66	0.52	0.38	1.00	0.68	0.55	0.41	1.00	0.70	0.57	0.43	1.00	0.72	0.59	0.45	1.00	1.00	0.50
	ΔT	22.28	22.27	22.27	22.29	2.56	2.56	2.56	2.58	2.88	2.88	2.88	2.90	3.23	3.23	3.23	3.25	3.62	3.62	3.62	3.64	4.08	4.08	4.09

		ENTERING INDOOR WET BULB TEMPERATURE												95				
		85						95						105			115	
IDB	AIRFLOW	59	63	67	71	59	63	67	71</th									

IDB	Airflow	OUTDOOR AMBIENT TEMPERATURE														105						
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
1050	MBh	42.15	42.74	43.99	45.90	41.77	42.37	43.62	45.53	40.68	41.27	42.52	44.43	38.80	39.39	40.64	42.55	36.50	37.09	38.34	40.25	
	S/T	0.85	0.77	0.64	0.50	1.00	0.78	0.65	0.51	1.00	0.81	0.67	0.53	1.00	0.82	0.66	0.55	1.00	1.00	0.71	1.00	0.76
	ΔT	28.15	26.29	22.83	19.25	28.10	26.24	22.78	19.20	28.36	26.50	23.04	19.46	28.08	26.22	22.76	19.18	27.83	25.98	22.51	18.93	28.99
	kW	2.28	2.27	2.27	2.29	2.56	2.56	2.56	2.58	2.89	2.88	2.88	2.90	3.23	3.23	3.23	3.23	3.62	3.62	3.62	3.64	4.08
	Amps	8.48	8.47	8.45	8.54	9.73	9.72	9.70	9.80	11.13	11.12	11.10	11.20	12.64	12.63	12.61	12.71	14.33	14.32	14.30	14.40	4.07
	Hi PR	269.08	270.25	272.13	276.81	311.41	312.57	314.46	319.13	355.75	356.91	358.80	363.47	403.49	404.66	406.54	411.22	454.97	456.13	458.02	462.69	4.09
80	MBh	121.71	123.21	126.29	131.44	129.08	130.57	133.65	138.81	135.53	137.02	140.10	145.26	140.98	142.48	145.56	150.71	146.33	147.83	150.91	156.06	153.03
	S/T	1.00	0.83	0.70	0.56	1.00	0.84	0.70	0.56	1.00	0.86	0.73	0.59	1.00	0.88	0.75	0.61	1.00	1.00	0.77	1.00	0.82
	ΔT	27.10	25.25	21.78	18.20	27.05	25.19	21.73	18.15	27.31	25.46	21.99	18.41	27.03	25.18	21.72	18.13	26.78	24.93	21.47	17.88	27.94
	kW	2.29	2.29	2.28	2.31	2.58	2.58	2.57	2.59	2.90	2.90	2.89	2.92	3.25	3.25	3.24	3.26	3.64	3.63	3.63	3.65	4.09
	Amps	8.54	8.53	8.51	8.61	9.79	9.78	9.76	9.86	11.19	11.18	11.16	11.26	12.70	12.69	12.67	12.77	14.39	14.38	14.36	14.46	4.11
	Hi PR	271.22	272.39	274.27	278.95	313.55	314.71	316.60	321.27	357.89	359.05	360.94	365.61	405.63	406.80	408.68	413.36	457.11	458.27	460.16	464.83	512.04
1330	MBh	123.39	124.89	127.97	133.12	130.76	132.25	135.33	140.49	137.21	138.70	141.78	146.94	142.66	144.15	147.24	152.39	148.01	149.51	152.59	157.74	154.71
	S/T	1.00	0.86	0.73	0.59	1.00	0.87	0.73	0.59	1.00	0.89	0.76	0.62	1.00	1.00	0.78	0.64	1.00	1.00	0.86	1.00	0.82
	ΔT	26.21	24.35	20.89	17.31	26.16	24.30	20.84	17.26	26.42	24.56	21.10	17.52	26.14	24.28	20.82	17.24	25.89	24.04	20.58	16.99	27.05
	kW	2.30	2.30	2.30	2.32	2.59	2.59	2.58	2.61	2.91	2.91	2.91	2.93	3.26	3.26	3.25	3.28	3.65	3.65	3.64	3.66	4.11
	Amps	8.59	8.58	8.56	8.66	9.84	9.83	9.81	9.91	11.24	11.23	11.21	11.31	12.76	12.75	12.72	12.82	14.45	14.44	14.41	14.51	4.12
	Hi PR	273.30	274.47	276.35	281.03	315.63	316.79	318.68	323.35	359.97	361.13	363.02	367.69	407.71	408.88	410.76	415.44	459.19	460.35	462.24	466.91	514.13
125.24	MBh	126.73	129.82	134.97	132.60	134.10	137.18	142.34	139.05	140.55	143.63	148.79	144.51	146.00	149.09	154.24	149.86	151.36	154.44	159.59	156.56	
	S/T	1.00	0.93	0.80	0.66	1.00	0.93	0.80	0.66	1.00	1.00	0.83	0.69	1.00	1.00	0.85	0.70	1.00	1.00	0.87	1.00	0.78
	ΔT	31.78	29.93	26.47	22.89	31.73	29.88	26.42	22.83	31.99	30.14	26.68	23.10	31.71	29.86	26.40	22.82	31.47	29.61	26.15	22.57	32.63
	kW	2.28	2.28	2.28	2.30	2.57	2.57	2.56	2.59	2.89	2.89	2.88	2.91	3.24	3.24	3.23	3.25	3.63	3.63	3.62	3.64	4.08
	Amps	8.50	8.49	8.47	8.57	9.76	9.75	9.73	9.82	11.15	11.14	11.12	11.22	12.67	12.66	12.64	12.73	14.36	14.35	14.33	14.42	4.10
	Hi PR	270.35	271.51	273.40	278.07	312.67	313.83	315.72	320.39	357.01	358.17	360.06	364.73	404.75	405.92	407.80	412.48	456.23	457.39	459.28	463.96	511.17
123.53	MBh	125.02	128.10	133.26	130.89	132.39	135.47	140.62	137.34	138.84	141.92	147.07	142.79	144.29	147.37	152.53	148.15	149.64	152.72	157.88	154.85	
	S/T	1.00	0.87	0.74	0.60	1.00	0.88	0.75	0.61	1.00	1.00	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.81	1.00	0.72
	ΔT	30.74	28.88	25.42	21.84	30.69	28.83	25.37	21.79	30.95	29.09	25.63	22.05	30.67	28.81	25.35	21.77	30.42	28.57	25.11	21.52	30.77
	kW	2.30	2.29	2.29	2.31	2.58	2.58	2.58	2.60	2.91	2.90	2.90	2.92	3.25	3.25	3.25	3.27	3.64	3.64	3.64	3.66	4.11
	Amps	8.56	8.56	8.53	8.63	9.82	9.81	9.79	9.88	11.22	11.21	11.18	11.28	12.73	12.72	12.70	12.79	14.42	14.41	14.39	14.48	4.11
	Hi PR	272.49	273.65	275.54	280.21	314.81	315.97	317.86	322.53	359.15	360.31	362.20	366.87	406.89	408.06	409.94	414.62	458.37	459.53	461.42	466.10	513.31
125.21	MBh	126.70	129.78	134.94	132.57	134.07	137.15	142.30	139.02	140.52	143.60	148.75	144.47	149.05	154.21	149.83	151.32	154.40	159.56	156.53	158.02	
	S/T	1.00	0.93	0.80	0.66	1.00	0.93	0.80	0.66	1.00	1.00	0.83	0.69	1.00	1.00	0.85	0.70	1.00	1.00	0.87	1.00	0.78
	ΔT	30.74	28.88	25.42	21.84	30.69	28.83	25.37	21.79	30.95	29.09	25.63	22.05	30.67	28.81	25.35	21.77	30.42	28.57	25.11	21.52	30.77
	kW	2.31	2.31	2.30	2.32	2.60	2.59	2.59	2.61	2.92	2.91	2.91	2.93	3.27	3.26	3.26	3.28	3.65	3.65	3.64	3.67	4.13
	Amps	8.62	8.61	8.59	8.68	9.87	9.86	9.84	9.93	11.27	11.26	11.24	11.33	12.78	12.77	12.75	12.84	14.47	14.46	14.44	14.53	16.45
	Hi PR	274.57	275.73	277.62	282.29	316.89	316.99	319.94	324.61	361.23	362.39	364.28	368.95	408.97	410.14	412.02	416.70	450.45	461.62	463.50	468.18	515.39
127.05	MBh	128.55	131.63	136.79	134.42	135.91	139.00	144.15	140.87	142.36	145.45	150.60	146.32	147.82	150.90	156.05	151.67	153.17	156.25	161.41	158.38	
	S/T	1.00	0.96	0.83	0.69	1.00	0.90	0.83	0.69	1.00	1.00	0.86	0.72	1.00	1.00	0.88	0.74	1.00	1.00	0.90	1.00	0.81
	ΔT	29.85	27.99	24.53	20.95	29.80	27.94	24.48	20.90	30.06	28.20	24.74	21.16	29.78	24.46	20.88	29.53	27.68	24.22	20.63	30.69	28.84
	kW	2.31	2.31	2.30	2.32	2.60	2.59	2.59	2.61	2.92	2.91	2.91	2.93	3.27	3.26	3.26	3.28	3.65	3.65	3.64	3.67	21.79
	Amps	8.62	8.61	8.59	8.68	9.87	9.86	9.84	9.93	11.27	11.26	11.24	11.33	12.78	12.77	12.75	12.84	14.47	14.46	14.44	14.53	16.45
	Hi PR	274.57	275.73	277.62	282.29	316.89	316.99	319.94	324.61	361.23	362.39	364.28	368.95	408.97	410.14	412.02	416.70	450.45	461.62	463.50	468.18	515.39

IDB = Entering Indoor Dry Bulb Temperature

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

Design Subcooling, 5° F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 15-18° F @ the compressor suction access fitting connection.

Shaded area reflects AHRI conditions.

Kw = Total system power

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED HEATING DATA

GPHH52441

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	29.83	27.86	25.92	24.02	22.80	21.89	19.59	17.47	15.75	14.47	13.51	13.00	12.35	10.71	9.08	7.45	5.81
T/R	30.39	28.66	26.92	25.19	24.16	23.19	20.75	18.51	16.69	15.33	14.32	13.77	13.08	11.35	9.62	7.89	6.16
kW	2.20	2.16	2.11	2.07	2.05	2.03	1.98	1.94	1.90	1.85	1.81	1.78	1.77	1.72	1.68	1.63	1.59
Amps	8.2	8.0	7.8	7.6	7.5	7.4	7.2	7.0	6.9	6.7	6.5	6.4	6.3	6.1	5.9	5.7	5.5
COP	3.97	3.78	3.59	3.40	3.27	3.16	2.89	2.64	2.43	2.29	2.19	2.14	2.05	1.82	1.59	1.34	1.07
HI PR	396	383	371	358	350	345	332	319	306	293	280	273	267	255	242	229	216
LO PR	140	131	122	114	109	105	96	88	79	70	62	56	53	44	35	27	18

GPHH53041

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	36.66	34.14	31.63	29.17	27.60	26.39	23.37	20.64	18.41	16.74	15.48	14.80	13.95	11.81	9.68	7.55	5.41
T/R	30.25	28.42	26.59	24.76	23.66	22.62	20.03	17.69	15.78	14.35	13.27	12.69	11.96	10.13	8.30	6.47	4.64
kW	2.67	2.61	2.54	2.48	2.44	2.42	2.35	2.29	2.23	2.16	2.10	2.06	2.04	1.98	1.91	1.85	1.79
Amps	9.9	9.6	9.3	9.1	8.9	8.8	8.5	8.2	8.0	7.7	7.4	7.3	7.1	6.9	6.6	6.3	6.1
COP	4.03	3.84	3.65	3.45	3.31	3.20	2.91	2.64	2.42	2.27	2.16	2.10	2.01	1.75	1.48	1.20	0.89
HI PR	409	396	383	369	362	356	343	330	316	303	290	282	276	263	250	236	223
LO PR	133	124	116	108	103	100	91	83	75	67	58	53	50	42	34	25	17

GPHH53641

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	42.16	39.37	36.62	33.93	32.20	30.91	27.64	24.64	22.20	20.38	19.03	18.30	17.37	15.06	12.74	10.42	8.11
T/R	31.79	29.97	28.15	26.34	25.25	24.23	21.67	19.32	17.41	15.98	14.92	14.35	13.62	11.80	9.99	8.17	6.35
kW	2.85	2.81	2.77	2.72	2.70	2.68	2.64	2.59	2.55	2.51	2.46	2.44	2.42	2.38	2.33	2.29	2.25
Amps	10.5	10.3	10.2	10.0	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.7	8.6	8.5	8.3	8.1	7.9
COP	4.33	4.10	3.88	3.65	3.50	3.38	3.07	2.78	2.55	2.38	2.26	2.20	2.10	1.86	1.60	1.33	1.06
HI PR	376	364	351	339	332	327	315	302	290	278	266	258	254	241	229	217	205
LO PR	139	130	122	113	108	104	96	87	78	70	61	56	53	44	35	27	18

GPHH54241

	OUTDOOR AMBIENT TEMPERATURE																	HIGH STAGE
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	
MBh	53.08	49.41	45.80	42.26	40.00	38.26	33.92	29.99	26.79	24.39	22.57	21.60	20.37	17.31	14.24	11.17	8.11	
T/R	36.38	34.20	32.01	29.83	28.51	27.27	24.18	21.38	19.09	17.38	16.09	15.40	14.52	12.34	10.15	7.96	5.78	
kW	3.63	3.54	3.46	3.37	3.32	3.29	3.20	3.12	3.03	2.95	2.86	2.81	2.78	2.70	2.61	2.53	2.44	
Amps	13.7	13.3	13.0	12.6	12.4	12.2	11.9	11.5	11.1	10.8	10.4	10.2	10.0	9.7	9.3	8.9	8.6	
COP	4.29	4.09	3.88	3.67	3.53	3.41	3.10	2.82	2.59	2.42	2.31	2.25	2.15	1.88	1.60	1.30	0.97	
HI PR	405	392	379	366	358	352	339	326	313	300	286	279	273	260	247	234	221	
LO PR	133	125	117	108	104	100	92	84	75	67	59	54	50	42	34	26	17	

Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Amps = Outdoor unit amps (comp.+fan) motor

Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

kW = Total system power

GPHH54241**LOW STAGE**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	38.33	35.71	33.35	30.65	28.86	27.39	23.82	20.64	18.07	16.11	14.60	13.79	12.79	10.27	7.76	5.25	2.74
T/R	26.91	25.13	23.34	21.56	20.49	19.45	16.91	14.66	12.83	11.44	10.37	9.79	9.08	7.30	5.51	3.73	1.95
kW	2.21	2.13	2.05	1.97	1.92	1.89	1.81	1.73	1.65	1.57	1.49	1.44	1.40	1.32	1.24	1.16	1.08
Amps	7.5	7.2	6.8	6.5	6.3	6.1	5.8	5.4	5.1	4.7	4.4	4.2	4.0	3.7	3.3	3.0	2.6
COP	5.09	4.92	4.77	4.57	4.41	4.26	3.86	3.51	3.22	3.02	2.88	2.81	2.67	2.27	1.83	1.32	0.74
HI PR	393	380	367	354	347	341	329	316	303	290	278	270	265	252	239	227	214
LO PR	131	123	115	107	102	98	90	82	74	66	58	53	50	41	33	25	17

GPHH54841**HIGH STAGE**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	56.99	53.35	49.78	46.26	44.00	42.35	38.13	34.22	31.03	28.68	26.93	26.00	24.80	21.80	18.80	15.80	12.80
T/R	31.85	30.11	28.37	26.62	25.58	24.61	22.16	19.89	18.04	16.67	15.66	15.11	14.41	12.67	10.93	9.18	7.44
kW	3.82	3.77	3.72	3.66	3.63	3.61	3.56	3.50	3.45	3.40	3.35	3.31	3.29	3.24	3.19	3.13	3.08
Amps	14.1	13.9	13.6	13.4	13.3	13.2	12.9	12.7	12.5	12.2	12.0	11.9	11.8	11.6	11.3	11.1	10.9
COP	4.37	4.15	3.92	3.70	3.55	3.44	3.14	2.86	2.64	2.47	2.36	2.30	2.21	1.97	1.73	1.48	1.22
HI PR	398	385	372	359	352	347	334	321	308	295	282	274	269	256	243	230	217
LO PR	131	123	115	107	102	98	90	82	74	66	58	53	50	41	33	25	17

GPHH54841**LOW STAGE**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	42.16	39.28	36.50	33.59	31.74	30.30	26.72	23.50	20.88	18.91	17.40	16.60	15.59	13.07	10.54	8.02	5.50
T/R	33.49	31.42	29.35	27.28	26.03	24.85	21.92	19.27	17.12	15.50	14.27	13.61	12.79	10.72	8.65	6.58	4.51
kW	2.34	2.27	2.21	2.14	2.10	2.07	2.00	1.94	1.87	1.80	1.73	1.69	1.67	1.60	1.53	1.46	1.39
Amps	8.4	8.1	7.8	7.5	7.3	7.2	6.9	6.6	6.3	6.0	5.7	5.6	5.4	5.2	4.9	4.6	4.3
COP	5.28	5.06	4.85	4.60	4.43	4.29	3.91	3.56	3.28	3.08	2.94	2.88	2.74	2.40	2.02	1.61	1.16
HI PR	386	373	361	348	341	336	323	311	298	286	273	266	260	248	235	223	210
LO PR	129	121	113	105	100	97	89	81	73	65	57	52	49	41	33	25	17

GPHH56041**HIGH STAGE**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	69.97	65.64	61.38	57.20	54.50	52.55	47.59	42.94	39.14	36.34	34.30	33.20	31.78	28.23	24.68	21.13	17.58
T/R	36.91	34.96	33.01	31.07	29.90	28.84	26.10	23.56	21.47	19.93	18.81	18.21	17.43	15.48	13.54	11.59	9.64
kW	4.61	4.55	4.49	4.43	4.40	4.38	4.32	4.26	4.20	4.15	4.09	4.05	4.03	3.97	3.92	3.86	3.80
Amps	17.4	17.1	16.9	16.6	16.5	16.4	16.1	15.9	15.6	15.3	15.1	14.9	14.8	14.6	14.3	14.1	13.8
COP	4.45	4.23	4.00	3.78	3.63	3.52	3.23	2.95	2.73	2.57	2.46	2.40	2.31	2.08	1.85	1.61	1.36
HI PR	406	393	380	367	359	353	340	327	314	300	287	279	274	261	248	234	221
LO PR	123	115	108	100	95	92	85	77	69	62	54	50	46	39	31	24	16

GPHH56041**LOW STAGE**

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	52.20	48.58	45.03	41.54	39.32	37.60	33.33	29.46	26.31	23.94	22.15	21.20	19.99	16.97	13.95	10.93	7.91
T/R	34.25	32.19	30.13	28.07	26.83	25.66	22.74	20.10	17.95	16.34	15.12	14.46	13.64	11.58	9.52	7.46	5.39
kW	2.82	2.75	2.67	2.59	2.54	2.51	2.43	2.35	2.28	2.20	2.12	2.07	2.04	1.96	1.88	1.80	1.73
Amps	10.1	9.8	9.4	9.1	8.9	8.8	8.4	8.1	7.7	7.4	7.1	6.8	6.7	6.4	6.0	5.7	5.3
COP	5.42	5.18	4.95	4.70	4.53	4.39	4.02	3.67	3.39	3.19	3.07	3.00	2.87	2.54	2.17	1.78	1.34
HI PR	394	381	368	355	348	342	330	317	304	291	278	271	266	253	240	227	214
LO PR	121	113	106	98	94	91	83	76	68	61	53	49	46	38	31	23	16

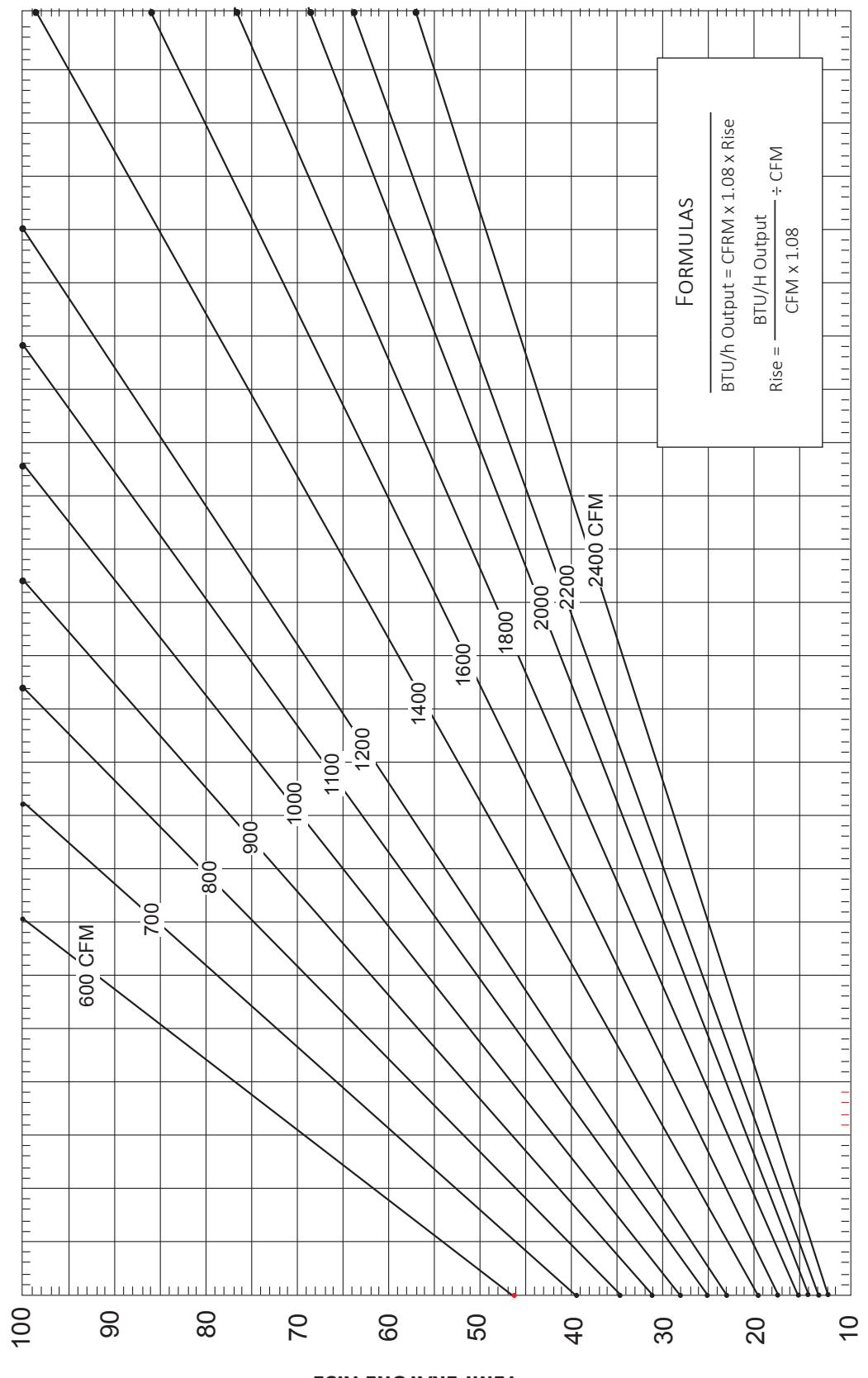
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Amps = Outdoor unit amps (comp.+fan) motor

Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

kW = Total system power

BTU/H OUTPUT Vs. TEMPERATURE RISE CHART



FORMULAS

$$\text{BTU/h Output} = \text{CFRM} \times 1.08 \times \text{Rise}$$

$$\text{Rise} = \frac{\text{BTU/H Output}}{\text{CFM} \times 1.08} \div \text{CFM}$$

OUTPUT BTU/H x 1,000

MODEL	SPEED*	VOLTS		E.S.P. (IN. OF H ₂ O)							
				0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
GPHH52441**	T1	230	CFM	914	866	818	770	722	674	626	578
			Watts	69	80	91	102	114	125	136	147
	T2 / T3	230	CFM	1138	1079	1030	978	922	858	799	735
			Watts	139	148	159	168	178	189	197	206
	T4 / T5	230	CFM	1231	1179	1127	1074	1022	969	917	865
			Watts	168	180	193	205	218	230	243	255
GPHH52441**	T1	230	CFM	1005	961	918	874	831	787	744	700
			Watts	91	102	114	125	137	149	160	172
	T2 / T3	230	CFM	1342	1288	1236	1185	1135	1082	1010	949
			Watts	190	200	211	221	230	240	251	260
	T4 / T5	230	CFM	1462	1409	1357	1305	1252	1200	1147	1095
			Watts	241	253	266	278	291	303	315	328
GPHH53641**	T1	230	CFM	1151	1097	1042	988	933	879	824	770
			Watts	132	144	156	169	181	194	206	219
	T2 / T3	230	CFM	1432	1377	1329	1282	1237	1188	1141	1092
			Watts	224	235	245	255	263	271	280	288
	T4 / T5	230	CFM	1577	1525	1472	1420	1367	1315	1263	1210
			Watts	277	290	302	314	327	339	352	364
GPHH54241**	T1	230	CFM	1208	1162	1114	1067	1023	978	928	868
			Watts	150	161	171	180	188	197	205	215
	T2 / T3	230	CFM	1535	1496	1453	1409	1367	1323	1282	1242
			Watts	277	287	297	309	318	327	336	344
	T4 / T5	230	CFM	1645	1602	1560	1517	1475	1433	1390	1347
			Watts	285	297	309	321	333	346	358	370
GPHH54841**	T1	230	CFM	1239	1184	1146	1091	1049	1001	948	890
			Watts	152	163	175	184	194	205	220	235
	T2 / T3	230	CFM	1837	1789	1748	1706	1665	1623	1577	1531
			Watts	408	419	432	442	454	464	471	480
	T4 / T5	230	CFM	2002	1935	1885	1827	1767	1732	1669	1618
			Watts	498	521	516	534	551	567	571	574
GPHH56041**	T1	230	CFM	1555	1485	1425	1375	1329	1277	1221	1167
			Watts	242	248	257	264	274	284	294	305
	T2 / T3	230	CFM	1986	1933	1874	1817	1770	1730	1689	1645
			Watts	472	479	488	496	503	508	515	526
	T4 / T5	230	CFM	2049	1948	1914	1851	1811	1770	1738	1685
			Watts	506	522	528	548	544	548	556	568

1. Data shown is dry coil. Wet coil pressure drop is approx.

2. Data shown does not include filter pressure drop, approx. 0.08" H₂O.

3. Reduce airflow by 2% for 208V operation.

4. For high static applications, see blower performance table above for selecting appropriate speed tap.

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

Model	Heater Kit	Circuit #1		Circuit #2		Total Protection		Actual @ 240V	
		MCA*	MOP**	MCA*	MOP**	MCA*	MOP**	kW	Btu/hr
GPHH52441AA	HKP-05C	24.7	25			45.5	45	4.75	16,200
	HKR-08C	36.5	40			57.3	60	7	23,900
	HKP-10C	49.5	50			70.3	70	9.5	32,400
GPHH53041AA	HKP-05C	24.7	25			47.1	50	4.75	16,200
	HKR-08C	36.5	40			58.9	60	7	23,900
	HKP-10C	49.5	50	24.7	25	71.9	80	9.5	32,400
	HKP-15C	49.5	50			102.8	110	14.25	48,600
GPHH53641AA	HKP-05C	24.7	25			47.4	50	4.75	16,200
	HKR-08C	36.5	40			59.2	60	7	23,900
	HKP-10C	49.5	50	24.7	25	72.2	80	9.5	32,400
	HKP-15C	49.5	50			103.1	110	14.25	48,600
GPHH54241AA	HKP-05C	24.7	25			54.7	60	4.75	16,200
	HKR-08C	36.5	40			66.5	70	7	23,900
	HKP-10C	49.5	50	24.7	25	79.5	80	9.5	32,400
	HKP-15C	49.5	50	49.5	50	110.4	110	14.25	48,600
	HKP-20C	49.5	50			141.4	150	19	64,800
GPHH54841AA	HKP-05C	24.7	25			57.9	60	4.75	16,200
	HKR-08C	36.5	40			69.7	70	7	23,900
	HKP-10C	49.5	50	24.7	25	82.7	90	9.5	32,400
	HKP-15C	49.5	50	49.5	50	113.6	125	14.25	48,600
	HKP-20C	49.5	50			144.6	150	19	64,800
GPHH56041AA	HKP-05C	24.7	25			61.1	70	4.75	16,200
	HKR-08C	36.5	40			72.9	80	7	23,900
	HKP-10C	49.5	50	24.7	25	85.9	90	9.5	32,400
	HKP-15C	49.5	50	49.5	50	116.8	125	14.25	48,600
	HKP-20C	49.5	50			147.8	150	19	64,800

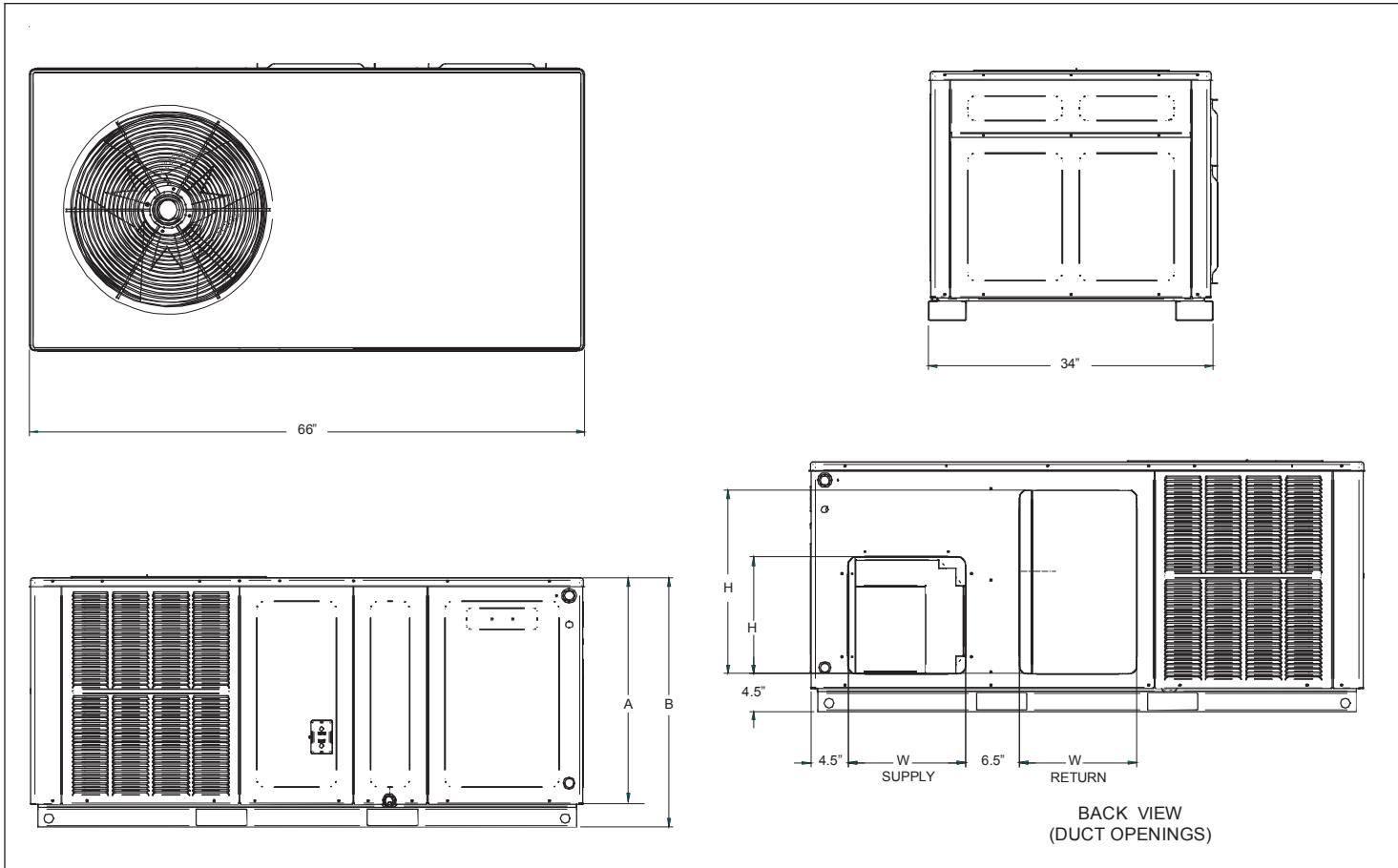
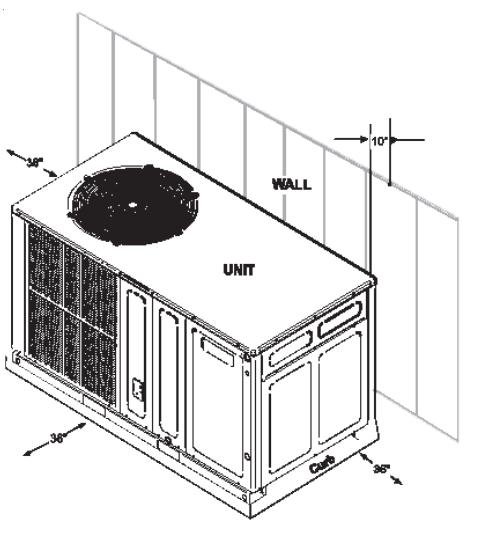
* - Minimum Circuit Ampacity

**- Maximum Overload Protection

Model	Heater Kit	Circuit #1		Circuit #2		Total Protection		Actual @ 240V	
		MCA*	MOP**	MCA*	MOP**	MCA*	MOP**	kW	Btu/hr
GPHH52441AB	HKTPD051	24.7	25			45.5	45	4.75	16,200
	HKTPD081	36.5	40			57.3	60	7	23,900
	HKTPD101	49.5	50			70.3	70	9.5	32,400
GPHH53041AB	HKTPD051	24.7	25			47.1	50	4.75	16,200
	HKTPD081	36.5	40			58.9	60	7	23,900
	HKTPD101	49.5	50	24.7	25	71.9	80	9.5	32,400
	HKTPD151	49.5	50			102.8	110	14.25	48,600
GPHH53641AB	HKTPD051	24.7	25			47.4	50	4.75	16,200
	HKTPD081	36.5	40			59.2	60	7	23,900
	HKTPD101	49.5	50	24.7	25	72.2	80	9.5	32,400
	HKTPD151	49.5	50			103.1	110	14.25	48,600
GPHH54241AB	HKTPD051	24.7	25			54.7	60	4.75	16,200
	HKTPD081	36.5	40			66.5	70	7	23,900
	HKTPD101	49.5	50			79.5	80	9.5	32,400
	HKTPD151	49.5	50	24.7	25	110.4	110	14.25	48,600
	HKTPD201	49.5	50	49.5	50	141.4	150	19	64,800
	HKTPD201	49.5	50						
GPHH54841AB	HKTPD051	24.7	25			57.9	60	4.75	16,200
	HKTPD081	36.5	40			69.7	70	7	23,900
	HKTPD101	49.5	50			82.7	90	9.5	32,400
	HKTPD151	49.5	50	24.7	25	113.6	125	14.25	48,600
	HKTPD201	49.5	50	49.5	50	144.6	150	19	64,800
GPHH56041AB	HKTPD051	24.7	25			61.1	70	4.75	16,200
	HKTPD081	36.5	40			72.9	80	7	23,900
	HKTPD101	49.5	50			85.9	90	9.5	32,400
	HKTPD151	49.5	50	24.7	25	116.8	125	14.25	48,600
	HKTPD201	49.5	50	49.5	50	147.8	150	19	64,800

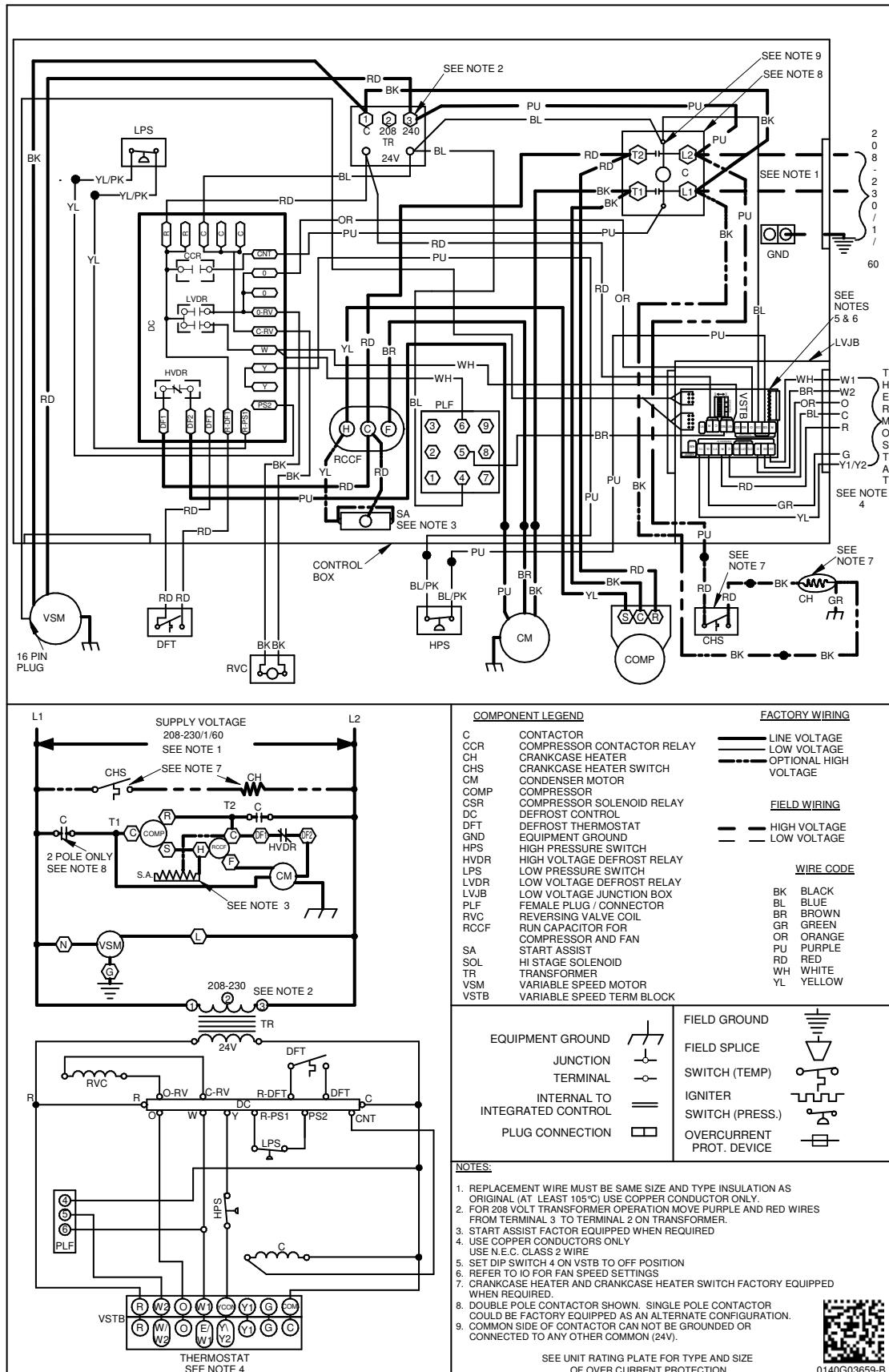
* - Minimum Circuit Ampacity

**- Maximum Overload Protection

**MINIMAL CLEARANCES**

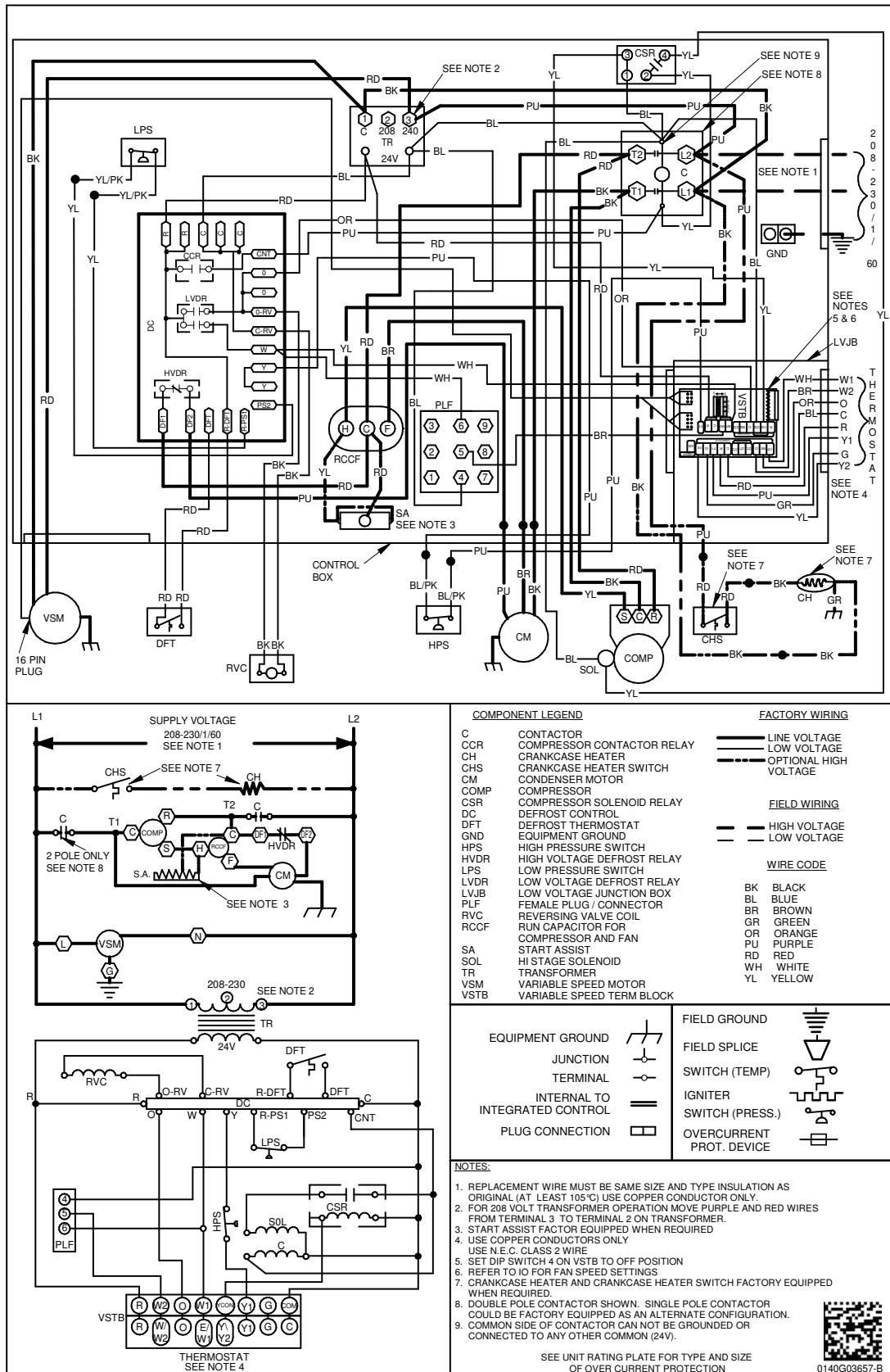
MODEL	UNIT DIMENSIONS				CHASSIS SIZE	
			HEIGHT			
	W	D	A	B		
GPHH52441**	66	34	271/2	30	Small	
GPHH53041**	66	34	271/2	30	Small	
GPHH53641**	66	34	321/2	35	Medium	
GPHH54241**	66	34	321/2	35	Medium	
GPHH54841**	66	34	321/2	35	Medium	
GPHH56041**	66	34	36	381/2	Large	

MODEL	DUCT OPENINGS			
	SUPPLY		RETURN	
	W	H	W	H
GPHH52441**	14	14	14	22
GPHH53041**	14	14	14	22
GPHH53641**	14	14	14	24
GPHH54241**	14	14	14	24
GPHH54841**	14	14	14	24
GPHH56041**	14	14	14	24



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

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



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

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

ACCESSORY DESCRIPTION	ITEM NUMBER	
	SMALL CHASSIS	MEDIUM/LARGE CHASSIS
Downflow Economizer (use w/PCCP roof curb)	DDNECNJPCHHA	DDNECNJPCHHA
Downflow Plenum Kit (use w/PCCP roof curb)	PCP101-103	PCP101-103
Downflow Plenum Kit (R-8) (use w/PCCP roof curb)	PCP101-103 R8	PCP101-103 R8
Elbow Flashing w/R-8 Liner	PCEF101-103	PCEF101-103
Economizer Wiring Harness	0259G00213	0259G00213
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHM
Inline Fuse Kit	INFPKG01	INFPKG01
Isolation Relay Kit (req'd with Economizer)	IRKT-01	IRKT-01
Manual Damper	PCMD101-103	PCMD101-103
Manual Damper - Horizontal	GPHMD101-103	GPHMD101-103
Motorized Damper	PCMDM101-103	PCMDM101-103
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	PCCP101-103	PCCP101-103
Square to Round Downflow (use w/PCCP roof curb)	SQRPC101	SQRPC102-103
Square to Round Horizontal	SQRPCH101	SQRPCH102-103

NOTES

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