



Air Conditioning & Heating

GPH13M

2- TO 5-TON PACKAGED HEAT PUMPS 13 SEER / R-410A

COOLING CAPACITY: 24,000 - 56,000 BTU/H

HEATING CAPACITY: 23,000 - 55,500 BTU/H

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Standard Features

- Energy-efficient compressor with internal relief valve
- PSC blower motor; EEM blower motor on 3-, 4- & 5-ton units
- Convertible airflow: horizontal or downflow
- Copper tube/aluminum fin condenser coils
- All-Aluminum evaporator coil (on C* revision levels)
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged R-410A system
- Electric heat kit available as a field-installed option
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet
- Attractive Architectural Gray powder-paint finish
- Fully insulated air-handling compartment with convenient access panels
- Louvered condenser coil protection
- One footprint; two heights



* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration not required in California or Québec.

NOMENCLATURE

		G	P	H	13	36	M	4	1	A	*			
		1	2	3	4,5	6,7	8	9	10	11	12			
Brand											Engineering			
G	Goodman or Distinctions™											Minor Revision		
Product Category											Engineering			
P	Packaged Unit											Major Revision		
Type											Voltage Designator			
H	Heat Pump										1	208-230/1/60		
C	Air Conditioner										3	208-230/3/60		
Efficiency											Refrigerant			
13	13 SEER	15	15 SEER										4	R-410A
14	14 SEER	16	16 SEER										Configuration	
Nominal Capacity											H	Horizontal		
24	2 Tons	42	3½ Tons										M	Multi-position
30	2½ tons	48	4 Tons											
36	3 Tons	60	5 Tons											



SPECIFICATIONS

	GPH13 24M41C*	GPH13 30M41C*	GPH13 36M41C*	GPH13 42M41C*	GPH13 48M41C*	GPH13 60M41C*
COOLING CAPACITY						
Total BTU/h	24,000	28,400	34,600	40,000	47,000	56,000
Sensible BTU/h	18,960	22,400	26,900	31,000	37,600	42,000
SEER / EER	13/11	13/11	13/11	13/11	13/11	13/10.9
Decibels	76.7	75.3	81.3	80.1	79.1	80.2
AHRI #s	5696968	5697141	5696969	5696970	5696971	5696972
HEATING CAPACITY						
BUT/h (47°F)	23,000	27,000	34,600	41,000	47,000	55,500
C.O.P (47°F)	3.5	3.5	3.5	3.5	3.7	3.6
BUT/h (17°F)	12,600	17,000	19,000	23,000	27,000	31,200
C.O.P (17°F)	2.14	2.18	2.1	2.18	2.3	2.24
HSPF	7.7	7.7	7.7	7.7	8.0	8.0
EVAPORATOR MOTOR						
Type	DD	DD	X-13	DD	X-13	X-13
Wheel (DxW)	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9
Nominal Cooling CFM	850	1,050	1,200	1,385	1,690	1,775
FLA/LRA	1.5 / 2.13	1.5 / 3.2	5.8 / --	3.06 / 4.1	5.8 / --	7.6 / --
No. of Speeds	3	3	5	3	5	5
Horsepower - RPM	¼ - 952	½ - 869	¾ - 1,050	½ - 910	¾ - 1,050	1 - 1,050
EVAPORATOR COIL						
Face Area (ft ²)	4.55	4.55	4.55	4.55	6.20	6.20
Rows Deep/ Fin per Inch	4 / 14	4 / 14	4 / 14	4 / 14	4 / 14	4 / 14
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	111	100	128	180	200	220
CONDENSER FAN / COIL						
Horsepower - RPM	¼ - 830	¼ - 830	¼ - 830	¼ - 1,075	¼ - 1,075	¼ - 1,075
FLA/LRA	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.4 / 2.9	1.4 / 2.9	1.4 / 2.9
Fan Diameter / # Fan Blades	22/3	22/3	22/4	22/3	22/3	22/3
Face Area (ft ²)	17.02	17.02	16.83	16.83	19.24	21.04
Rows Deep/ Fin per Inch	1 / 24	1 / 24	1 / 22	2 / 16	2 / 16	2 / 16
COMPRESSOR						
Quantity	1	1	1	1	1	1
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	Single	Single
ELECTRICAL DATA						
Voltage/ Phase (60 Hz)	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1
Compressor RLA/ LRA	12.8 / 58.3	14 / 73	16.7 / 79	17.9 / 112	21.8 / 117	26.4 / 134
Total Unit Amps	15.8	17	22.1	22.4	29	35.4
Min. Circuit Ampacity ¹	19.0	20.5	26.3	26.8	34.5	42.0
Max. Overcurrent Protection ²	30 amps	30 amps	40 amps	40 amps	50 amps	60 amps
SHIPPING WEIGHT (LBS)	365	390	400	440	485	495

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

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

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

EXPANDED COOLING DATA — GPH1324M41C*

IDB	OUTDOOR AMBIENT TEMPERATURE																			
	65°F					75°F					85°F									
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
997	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	23.9	24.7	27.1	-	-	22.7	23.6	25.8	-	-	22.2	23.0	25.2	-	-	21.1	21.8	23.9	-	-
	0.79	0.66	0.46	-	-	0.84	0.70	0.49	-	-	0.87	0.73	0.50	-	-	0.90	0.75	0.52	-	-
17	15	11	-	-	18	15	12	-	-	18	15	12	-	-	18	15	12	-	-	
70	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	1.74	1.78	1.83	-	-	1.97	2.01	2.07	-	-	2.06	2.11	2.17	-	-	2.15	2.19	2.26	-	-
	7.7	7.9	8.1	-	-	8.3	8.5	8.7	-	-	9.6	9.8	10.1	-	-	10.1	10.4	10.7	-	-
218	235	248	-	-	245	263	278	-	-	317	341	360	-	-	357	384	405	-	-	
75	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	23.5	24.2	26.2	28.2	-	22.5	23.1	25.0	26.9	-	21.9	22.6	24.4	26.2	-	20.8	21.4	23.2	24.9	-
	0.86	0.77	0.58	0.37	-	0.91	0.82	0.62	0.40	-	0.94	0.84	0.64	0.41	-	0.98	0.88	0.66	0.43	-
21	19	16	11	-	21	20	16	11	-	21	20	16	11	-	21	19	16	11	-	
777	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	1.76	1.79	1.84	1.89	-	1.99	2.03	2.09	2.15	-	2.08	2.12	2.19	2.26	-	2.16	2.21	2.27	2.35	-
	7.8	8.0	8.2	8.5	-	8.4	8.6	8.8	9.1	-	9.6	9.9	10.2	10.5	-	10.2	10.5	10.8	11.2	-
220	237	250	261	-	247	266	281	293	-	320	345	364	380	-	360	388	409	427	-	
777	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	23.5	24.2	26.2	28.2	-	22.5	23.1	25.0	26.9	-	21.9	22.6	24.4	26.2	-	20.8	21.4	23.2	24.9	-
	0.86	0.77	0.58	0.37	-	0.91	0.82	0.62	0.40	-	0.94	0.84	0.64	0.41	-	0.98	0.88	0.66	0.43	-
21	19	16	11	-	21	20	16	11	-	21	20	16	11	-	21	19	16	11	-	
997	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	23.5	24.2	26.2	28.2	-	22.5	23.1	25.0	26.9	-	21.9	22.6	24.4	26.2	-	20.8	21.4	23.2	24.9	-
	0.86	0.77	0.58	0.37	-	0.91	0.82	0.62	0.40	-	0.94	0.84	0.64	0.41	-	0.98	0.88	0.66	0.43	-
21	19	16	11	-	21	20	16	11	-	21	20	16	11	-	21	19	16	11	-	
777	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	23.5	24.2	26.2	28.2	-	22.5	23.1	25.0	26.9	-	21.9	22.6	24.4	26.2	-	20.8	21.4	23.2	24.9	-
	0.86	0.77	0.58	0.37	-	0.91	0.82	0.62	0.40	-	0.94	0.84	0.64	0.41	-	0.98	0.88	0.66	0.43	-
21	19	16	11	-	21	20	16	11	-	21	20	16	11	-	21	19	16	11	-	
997	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	23.9	24.7	27.1	-	-	22.7	23.6	25.8	-	-	22.2	23.0	25.2	-	-	21.1	21.8	23.9	-	-
	0.79	0.66	0.46	-	-	0.84	0.70	0.49	-	-	0.87	0.73	0.50	-	-	0.90	0.75	0.52	-	-
17	15	11	-	-	18	15	12	-	-	18	15	12	-	-	18	15	12	-	-	
70	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	1.74	1.78	1.83	-	-	1.97	2.01	2.07	-	-	2.06	2.11	2.17	-	-	2.15	2.19	2.26	-	-
	7.7	7.9	8.1	-	-	8.3	8.5	8.7	-	-	9.6	9.8	10.1	-	-	10.1	10.4	10.7	-	-
218	235	248	-	-	245	263	278	-	-	317	341	360	-	-	357	384	405	-	-	
997	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	23.9	24.7	27.1	-	-	22.7	23.6	25.8	-	-	22.2	23.0	25.2	-	-	21.1	21.8	23.9	-	-
	0.79	0.66	0.46	-	-	0.84	0.70	0.49	-	-	0.87	0.73	0.50	-	-	0.90	0.75	0.52	-	-
17	15	11	-	-	18	15	12	-	-	18	15	12	-	-	18	15	12	-	-	
777	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	1.76	1.79	1.84	1.89	-	1.99	2.03	2.09	2.15	-	2.08	2.12	2.19	2.26	-	2.16	2.21	2.27	2.35	-
	7.8	8.0	8.2	8.5	-	8.4	8.6	8.8	9.1	-	9.6	9.9	10.2	10.5	-	10.2	10.5	10.8	11.2	-
220	237	250	261	-	247	266	281	293	-	320	345	364	380	-	360	388	409	427	-	
997	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	23.9	24.7	27.1	-	-	22.7	23.6	25.8	-	-	22.2	23.0	25.2	-	-	21.1	21.8	23.9	-	-
	0.79	0.66	0.46	-	-	0.84	0.70	0.49	-	-	0.87	0.73	0.50	-	-	0.90	0.75	0.52	-	-
17	15	11	-	-	18	15	12	-	-	18	15	12	-	-	18	15	12	-	-	
70	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	1.74	1.78	1.83	-	-	1.97	2.01	2.07	-	-	2.06	2.11	2.17	-	-	2.15	2.19	2.26	-	-
	7.7	7.9	8.1	-	-	8.3	8.5	8.7	-	-	9.6	9.8	10.1	-	-	10.1	10.4	10.7	-	-
218	235	248	-	-	245	263	278	-	-	317	341	360	-	-	357	384	405	-	-	
997	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	23.9	24.7	27.1	-	-	22.7	23.6	25.8	-	-	22.2	23.0	25.2	-	-	21.1	21.8	23.9	-	-
	0.79	0.66	0.46	-	-	0.84	0.70	0.49	-	-	0.87	0.73	0.50	-	-	0.90	0.75	0.52	-	-
17	15	11	-	-	18	15	12	-	-	18	15	12	-	-	18	15	12	-	-	
777	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	1.76	1.79	1.84	1.89	-	1.99	2.03	2.09	2.15	-	2.08	2.12	2.19	2.26	-	2.16	2.21	2.27	2.35	-
	7.8	8.0	8.2	8.5	-	8.4	8.6	8.8	9.1	-	9.6	9.9	10.2	10.5	-	10.2	10.5	10.8	11.2	-
220	237	250	261	-	247	266	281	293	-	320	345	364	380	-	360	388	409	427	-	
997	ENTERING INDOOR WET BULB TEMPERATURE																			
	95°F																			
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
	23.9	24.7	27.1	-	-	22.7	23.6	25.8	-	-	22.2	23.0	25.2	-	-	21.1	21.8	23.9	-	-
	0.79	0.66	0.46	-	-	0.84	0.70	0.49	-	-	0.87	0.73	0.50	-	-	0.90	0.75	0.52	-	-
17	15	11	-	-	18	15	12	-	-	18	15	12	-	-	18	15	12	-	-	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 10 +/- 2 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 10 +/- 2 °F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions

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

EXPANDED COOLING DATA — GPH1324M41C* (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	997	MBh	24.7	25.2	26.9	28.8	24.1	24.6	26.3	28.1	23.5	24.1	25.7	27.5	23.0	23.5	25.1	26.8	21.8	22.3	23.8	25.5	20.2	20.6	22.1	23.6
		S/T	1.00	0.93	0.76	0.56	1.00	0.96	0.78	0.59	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.86	0.64	1.00	1.00	0.87	0.65
	887	ΔT	23	22	19	15	22	22	19	15	22	21	19	15	21	21	19	15	20	21	19	15	19	19	18	14
		kW	1.77	1.80	1.85	1.91	1.89	1.93	1.99	2.05	2.00	2.04	2.10	2.17	2.10	2.14	2.20	2.27	2.18	2.22	2.29	2.36	2.25	2.30	2.37	2.44
	777	Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
		Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
	997	Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
		MBh	24.0	24.5	26.2	28.0	23.4	23.9	25.6	27.3	22.9	23.4	24.9	26.7	22.3	22.8	24.3	26.0	21.2	21.6	23.1	24.7	19.6	20.0	21.4	22.9
	887	S/T	0.94	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62
		ΔT	23	22	20	16	24	23	20	16	24	23	20	16	23	23	20	16	22	22	20	16	20	21	18	15
777	kW	1.76	1.79	1.84	1.89	1.88	1.91	1.97	2.03	1.99	2.03	2.09	2.15	2.08	2.12	2.19	2.26	2.16	2.21	2.27	2.35	2.23	2.28	2.35	2.42	
	Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8	
997	Hi Pr	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	410	427	398	428	452	472	
	Lo Pr	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	
887	MBh	22.1	22.6	24.2	25.8	21.6	22.1	23.6	25.2	21.1	21.6	23.0	24.6	20.6	21.0	22.5	24.0	19.5	20.0	21.3	22.8	18.1	18.5	19.8	21.1	
	S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.04	0.97	0.79	0.59	1.04	0.98	0.80	0.60	
777	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15	
	kW	1.72	1.75	1.80	1.85	1.84	1.87	1.93	1.98	1.94	1.98	2.04	2.10	2.03	2.07	2.14	2.20	2.11	2.16	2.22	2.29	2.18	2.22	2.29	2.37	
997	Amps	7.6	7.8	8.0	8.3	8.2	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5	
	Hi Pr	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	376	397	414	386	416	439	458	
887	Lo Pr	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162	
	MBh	25.1	25.6	26.8	28.6	24.5	25.0	26.2	27.9	23.9	24.4	25.6	27.3	23.4	23.8	24.9	26.6	22.2	22.6	23.7	25.3	20.6	21.0	22.0	23.4	
997	S/T	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.84	
	ΔT	23	24	22	19	23	23	23	20	22	23	23	20	22	22	23	20	20	21	22	19	19	19	20	18	
887	kW	1.78	1.82	1.87	1.92	1.91	1.94	2.00	2.06	2.02	2.06	2.12	2.18	2.11	2.16	2.22	2.29	2.20	2.24	2.31	2.38	2.27	2.31	2.39	2.46	
	Amps	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0	
997	Hi Pr	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	481	
	Lo Pr	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171	
887	MBh	24.4	24.9	26.0	27.8	23.8	24.3	25.4	27.1	23.3	23.7	24.8	26.5	22.7	23.1	24.2	25.8	21.6	22.0	23.0	24.5	20.0	20.3	21.3	22.7	
	S/T	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80	
997	ΔT	25	25	23	20	25	25	24	20	24	25	24	20	24	24	24	21	22	23	23	20	21	21	22	19	
	kW	1.77	1.80	1.85	1.91	1.89	1.93	1.99	2.05	2.00	2.04	2.10	2.17	2.10	2.14	2.20	2.27	2.18	2.22	2.29	2.36	2.25	2.30	2.37	2.44	
887	Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9	
	Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477	
997	Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169	
	MBh	22.5	22.9	24.0	25.6	22.0	22.4	23.5	25.0	21.5	21.9	22.9	24.4	20.9	21.3	22.4	23.8	19.9	20.3	21.2	22.7	18.4	18.8	19.7	21.0	
887	S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77	
	ΔT	25	25	24	20	26	25	24	21	25	25	24	21	25	25	24	21	24	24	24	21	22	22	22	19	
997	kW	1.73	1.76	1.81	1.87	1.85	1.89	1.94	2.00	1.96	1.99	2.05	2.12	2.05	2.09	2.15	2.22	2.13	2.17	2.24	2.31	2.20	2.24	2.31	2.38	
	Amps	7.7	7.8	8.1	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6	
887	Hi Pr	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	418	390	420	443	462	
	Lo Pr	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 10 +/- 2 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 10 +/- 2 °F @ the compressor suction access fitting connection.

Amps: Unit amps (comp. + evaporator + condenser fan motors)
 kW = Total system power
 Shaded area reflects AHRI (TVA) conditions

EXPANDED COOLING DATA — GP1330M41C*

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																																									
		65°F					75°F					85°F					95°F					105°F					115°F																																
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75																												
70	1228	MBh	28.5	29.6	32.4	-	27.9	28.9	31.6	-	27.2	28.2	30.9	-	26.5	27.5	30.1	-	25.2	26.1	28.6	-	23.3	24.2	26.5	-	25.2	26.1	28.6	-	23.3	24.2	26.5	-	25.2	26.1	28.6	-	23.3	24.2	26.5	-	25.2	26.1	28.6	-	23.3	24.2	26.5	-	25.2	26.1	28.6	-	23.3	24.2	26.5	-	
		S/T	0.79	0.66	0.46	-	0.82	0.69	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.90	0.75	0.52	-	0.91	0.76	0.53	-	0.90	0.75	0.52	-	0.91	0.76	0.53	-	0.90	0.75	0.52	-	0.91	0.76	0.53	-	0.90	0.75	0.52	-	0.91	0.76	0.53	-	0.90	0.75	0.52	-	0.91	0.76	0.53	-	
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	17	15	11	-	16	14	10	-	17	15	11	-	16	14	10	-	17	15	11	-	16	14	10	-	17	15	11	-	16	14	10	-	
		kW	2.04	2.08	2.14	-	2.19	2.23	2.29	-	2.31	2.36	2.43	-	2.42	2.47	2.55	-	2.52	2.57	2.65	-	2.60	2.65	2.73	-	2.52	2.57	2.65	-	2.60	2.65	2.73	-	2.52	2.57	2.65	-	2.60	2.65	2.73	-	2.52	2.57	2.65	-	2.60	2.65	2.73	-	2.52	2.57	2.65	-	2.60	2.65	2.73	-	
		Amps	7.7	7.9	8.1	-	8.3	8.5	8.7	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	
	Hi Pr	218	235	248	-	245	263	278	-	278	300	316	-	317	341	360	-	357	384	405	-	394	424	448	-	317	341	360	-	357	384	405	-	317	341	360	-	357	384	405	-	317	341	360	-	357	384	405	-	317	341	360	-	357	384	405	-		
	Lo Pr	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-	124	131	144	-	130	138	150	-	124	131	144	-	130	138	150	-	124	131	144	-	130	138	150	-	124	131	144	-	130	138	150	-		
	75	1093	MBh	27.7	28.7	31.4	-	27.0	28.0	30.7	-	26.4	27.4	30.0	-	25.8	26.7	29.3	-	24.5	25.4	27.8	-	22.7	23.5	25.7	-	24.5	25.4	27.8	-	22.7	23.5	25.7	-	24.5	25.4	27.8	-	22.7	23.5	25.7	-	24.5	25.4	27.8	-	22.7	23.5	25.7	-	24.5	25.4	27.8	-	22.7	23.5	25.7	-
	S/T		0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-									
	ΔT		18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-	18	15	12	-	17	14	11	-	18	15	12	-	17	14	11	-	18	15	12	-	17	14	11	-									
kW	2.03		2.07	2.13	-	2.17	2.21	2.28	-	2.29	2.34	2.41	-	2.40	2.45	2.53	-	2.50	2.55	2.63	-	2.58	2.63	2.71	-	2.50	2.55	2.63	-	2.58	2.63	2.71	-	2.50	2.55	2.63	-	2.58	2.63	2.71	-	2.50	2.55	2.63	-	2.58	2.63	2.71	-										
Amps	7.7		7.8	8.1	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-										
Hi Pr	216	232	245	-	242	261	275	-	276	297	313	-	314	338	357	-	353	380	401	-	390	420	443	-	314	338	357	-	353	380	401	-	314	338	357	-	353	380	401	-	314	338	357	-	353	380	401	-											
Lo Pr	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-	122	130	142	-	128	136	149	-	122	130	142	-	128	136	149	-	122	130	142	-	128	136	149	-											
75	1228	MBh	25.6	26.5	29.0	-	25.0	25.9	28.3	-	24.4	25.3	27.7	-	23.8	24.6	27.0	-	22.6	23.4	25.6	-	20.9	21.7	23.8	-	23.8	24.6	27.0	-	20.9	21.7	23.8	-	23.8	24.6	27.0	-	20.9	21.7	23.8	-	23.8	24.6	27.0	-	20.9	21.7	23.8	-	23.8	24.6	27.0	-	20.9	21.7	23.8	-	
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-									
		ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	18	16	12	-	17	15	11	-	18	16	12	-	17	15	11	-	18	16	12	-	17	15	11	-									
		kW	1.98	2.02	2.08	-	2.12	2.16	2.23	-	2.24	2.29	2.35	-	2.35	2.40	2.47	-	2.44	2.49	2.57	-	2.52	2.57	2.65	-	2.44	2.49	2.57	-	2.52	2.57	2.65	-	2.44	2.49	2.57	-	2.52	2.57	2.65	-	2.44	2.49	2.57	-	2.52	2.57	2.65	-									
		Amps	7.5	7.6	7.9	-	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-									
	Hi Pr	209	225	238	-	235	253	267	-	267	288	304	-	304	328	346	-	343	369	389	-	378	407	430	-	304	328	346	-	343	369	389	-	304	328	346	-	343	369	389	-	304	328	346	-	343	369	389	-										
	Lo Pr	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-	119	126	138	-	124	132	144	-	119	126	138	-	124	132	144	-	119	126	138	-	124	132	144	-										
	75	1093	MBh	29.0	29.9	32.3	34.7	28.3	29.2	31.6	33.9	27.7	28.5	30.8	33.1	27.0	27.8	30.1	32.3	25.6	26.4	28.6	30.7	23.7	24.4	26.5	28.4	25.6	26.4	28.6	30.7	23.7	24.4	26.5	28.4	25.6	26.4	28.6	30.7	23.7	24.4	26.5	28.4	25.6	26.4	28.6	30.7	23.7	24.4	26.5	28.4	25.6	26.4	28.6	30.7	23.7	24.4	26.5	28.4
			S/T	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.41	0.96	0.86	0.65	0.42	0.99	0.88	0.67	0.43	1.00	0.92	0.69	0.45	1.00	0.92	0.70	0.45	1.00	0.92	0.69	0.45	1.00	0.92	0.70	0.45	1.00	0.92	0.69	0.45	1.00	0.92	0.70	0.45	1.00	0.92	0.69	0.45	1.00	0.92	0.70	0.45								
			ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	19	15	10	18	15	10	10	20	18	15	10	18	15	10	10	20	18	15	10	18	15	10	10	20	18	15	10	18	15	10	10								
kW			2.06	2.10	2.16	2.22	2.20	2.25	2.31	2.38	2.33	2.38	2.45	2.52	2.44	2.49	2.57	2.65	2.62	2.54	2.59	2.67	2.75	2.62	2.67	2.76	2.84	2.62	2.67	2.75	2.84	2.62	2.67	2.76	2.84	2.62	2.67	2.75	2.84	2.62	2.67	2.76	2.84	2.62	2.67	2.75	2.84	2.62	2.67	2.76	2.84								
Amps			7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.8	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8								
Hi Pr	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	360	388	409	427	398	428	452	472	360	388	409	427	398	428	452	472	360	388	409	427	398	428	452	472	360	388	409	427	398	428	452	472										
Lo Pr	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	131	139	152	162	135	144	157	167	131	139	152	162	135	144	157	167	131	139	152	162	135	144	157	167											
75	1093	MBh	28.2	29.0	31.4	33.7	27.5	28.3	30.7	32.9	26.8	27.6	29.9	32.1	26.2	27.0	29.2	31.3	24.9	25.6	27.7	29.8	23.1	23.7	25.7	27.																																	

EXPANDED COOLING DATA — GPH1330M41C* (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE												
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1228	MBh	29.5	30.2	32.2	34.4	28.8	29.5	31.5	33.6	28.1	28.8	30.7	32.8	27.5	28.1	30.0	32.0	26.1	26.7	28.5	30.4	24.2	24.7	26.4	28.2
		S/T	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.80	0.60	0.42	1.00	1.00	0.83	0.62	1.00	1.00	0.86	0.64	1.00	1.00	0.86	0.65
		ΔT	22	21	18	15	22	21	18	15	21	21	19	15	20	20	18	15	20	20	18	15	18	18	17	14
		kW	2.07	2.11	2.17	2.24	2.22	2.26	2.33	2.40	2.35	2.39	2.47	2.54	2.46	2.51	2.59	2.67	2.56	2.61	2.69	2.77	2.64	2.69	2.78	2.87
	1093	Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
		Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
		Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
		MBh	28.7	29.3	31.3	33.4	28.0	28.6	30.6	32.7	27.3	27.9	29.8	31.9	26.7	27.2	29.1	31.1	25.3	25.9	27.6	29.6	23.5	24.0	25.6	27.4
	958	S/T	0.94	0.88	0.72	0.54	0.98	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62
		ΔT	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	22	19	15	20	20	18	14
		kW	2.06	2.10	2.16	2.22	2.20	2.25	2.31	2.38	2.33	2.38	2.45	2.52	2.44	2.49	2.57	2.65	2.54	2.59	2.67	2.75	2.62	2.67	2.76	2.84
		Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
85	Hi Pr	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	410	427	398	428	452	472	
	Lo Pr	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	
	MBh	26.5	27.0	28.9	30.9	25.8	26.4	28.2	30.2	25.2	25.8	27.5	29.4	24.6	25.1	26.9	28.7	23.4	23.9	25.5	27.3	21.7	22.1	23.6	25.3	
	S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.03	0.97	0.79	0.59	1.04	0.98	0.80	0.59	
1228	ΔT	23	22	19	15	23	22	19	16	23	22	19	16	24	23	20	16	23	22	19	15	22	21	18	14	
	kW	2.01	2.05	2.11	2.17	2.15	2.20	2.26	2.33	2.28	2.32	2.39	2.46	2.39	2.43	2.51	2.58	2.48	2.53	2.61	2.69	2.56	2.61	2.69	2.78	
	Amps	7.6	7.8	8.0	8.3	8.2	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5	
	Hi Pr	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	376	397	414	386	416	439	458	
85	Lo Pr	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162	
	MBh	30.0	30.6	32.1	34.2	29.3	29.9	31.3	33.4	28.6	29.2	30.6	32.6	27.9	28.5	29.8	31.8	26.5	27.1	28.3	30.2	24.6	25.1	26.2	28.0	
	S/T	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.84	
	ΔT	22	23	22	19	22	22	22	19	21	22	22	19	21	21	22	19	20	20	21	19	18	19	20	18	
1093	kW	2.09	2.13	2.19	2.25	2.23	2.28	2.35	2.42	2.36	2.41	2.48	2.56	2.48	2.53	2.61	2.69	2.58	2.63	2.71	2.80	2.66	2.72	2.80	2.89	
	Amps	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0	
	Hi Pr	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	481	
	Lo Pr	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171	
85	MBh	29.2	29.7	31.1	33.2	28.5	29.0	30.4	32.4	27.8	28.3	29.7	31.7	27.1	27.7	29.0	30.9	25.8	26.3	27.5	29.4	23.9	24.3	25.5	27.2	
	S/T	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.99	0.80	
	ΔT	24	24	22	19	24	24	23	20	23	24	23	20	23	23	23	20	22	22	23	20	20	20	21	18	
	kW	2.07	2.11	2.17	2.24	2.22	2.26	2.33	2.40	2.35	2.39	2.47	2.54	2.46	2.51	2.59	2.67	2.56	2.61	2.69	2.77	2.64	2.69	2.78	2.87	
958	Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9	
	Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477	
	Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169	
	MBh	26.9	27.4	28.7	30.7	26.3	26.8	28.1	29.9	25.7	26.2	27.4	29.2	25.0	25.5	26.7	28.5	23.8	24.2	25.4	27.1	22.0	22.5	23.5	25.1	
85	S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77	
	ΔT	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	23	23	23	20	21	22	21	19	
	kW	2.03	2.07	2.13	2.19	2.17	2.21	2.28	2.34	2.29	2.34	2.41	2.48	2.40	2.45	2.53	2.60	2.50	2.55	2.63	2.71	2.58	2.63	2.71	2.80	
	Amps	7.7	7.8	8.1	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6	
85	Hi Pr	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	418	390	420	443	462	
	Lo Pr	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 10 +/- 2 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 10 +/- 2 °F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TVA) conditions
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED COOLING DATA — GP11336M41C*

IDB	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE													
	65°F				75°F				85°F				95°F				105°F				115°F					
	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
70	1363	MBh	34.2	35.5	38.8	-	33.4	34.6	37.9	-	32.6	33.8	37.0	-	31.8	33.0	36.1	-	30.2	31.3	34.3	-	28.0	29.0	31.8	-
		S/T	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.83	0.69	0.48	-	0.85	0.71	0.49	-	0.89	0.74	0.51	-	0.89	0.75	0.52	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	2.40	2.45	2.53	-	2.58	2.64	2.73	-	2.75	2.81	2.91	-	2.90	2.96	3.06	-	3.02	3.09	3.20	-	3.13	3.20	3.31	-
	1213	Amps	7.7	7.9	8.1	-	8.3	8.5	8.7	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-
		Hi Pr	218	235	248	-	245	263	278	-	278	300	316	-	317	341	360	-	357	384	405	-	394	424	448	-
		Lo Pr	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
		MBh	33.2	34.4	37.7	-	32.4	33.6	36.8	-	31.7	32.8	36.0	-	30.9	32.0	35.1	-	29.3	30.4	33.3	-	27.2	28.2	30.9	-
	1063	S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	2.38	2.43	2.51	-	2.56	2.62	2.71	-	2.73	2.79	2.88	-	2.87	2.94	3.04	-	3.00	3.07	3.17	-	3.10	3.18	3.28	-
		Amps	7.7	7.8	8.1	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-
1063	Hi Pr	216	232	245	-	242	261	275	-	276	297	313	-	314	338	357	-	353	380	401	-	390	420	443	-	
	Lo Pr	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-	
	MBh	30.7	31.8	34.8	-	29.9	31.0	34.0	-	29.2	30.3	33.2	-	28.5	29.6	32.4	-	27.1	28.1	30.8	-	25.1	26.0	28.5	-	
	S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.45	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-	
75	1363	ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
		kW	2.32	2.37	2.44	-	2.50	2.55	2.64	-	2.66	2.72	2.81	-	2.80	2.86	2.96	-	2.92	2.99	3.09	-	3.02	3.09	3.20	-
		Amps	7.5	7.6	7.9	-	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-
		Hi Pr	209	225	238	-	235	253	267	-	267	288	304	-	304	328	346	-	343	369	389	-	378	407	430	-
	1063	Lo Pr	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
		MBh	34.8	35.8	38.8	41.6	34.0	35.0	37.9	40.6	33.2	34.1	37.0	39.7	32.4	33.3	36.1	38.7	30.7	31.6	34.3	36.8	28.5	29.3	31.7	34.1
		S/T	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	1.00	0.90	0.68	0.44	1.00	0.91	0.69	0.44
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	17	11	22	20	16	11	20	19	15	10
	1213	kW	2.42	2.47	2.55	2.63	2.61	2.66	2.75	2.84	2.77	2.84	2.93	3.03	2.92	2.99	3.09	3.20	3.05	3.12	3.22	3.34	3.16	3.23	3.34	3.46
		Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		Hi Pr	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	409	427	398	428	452	472
		Lo Pr	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
1063	MBh	33.8	34.8	37.6	40.4	33.0	34.0	36.8	39.5	32.2	33.2	35.9	38.5	31.4	32.3	35.0	37.6	29.8	30.7	33.3	35.7	27.6	28.5	30.8	33.1	
	S/T	0.84	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42	
	ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	11	22	20	16	11	20	19	15	11	
	kW	2.40	2.45	2.53	2.61	2.58	2.64	2.73	2.82	2.75	2.81	2.91	3.00	2.90	2.96	3.06	3.17	3.02	3.09	3.20	3.31	3.13	3.20	3.31	3.43	
1063	Amps	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	9.8	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7	
	Hi Pr	218	235	248	259	245	263	278	290	278	300	316	330	317	341	360	376	357	384	405	423	394	424	448	467	
	Lo Pr	107	114	124	133	113	120	131	140	118	125	137	146	125	131	144	153	130	138	150	160	134	143	156	166	
	MBh	31.2	32.1	34.7	37.3	30.4	31.3	33.9	36.4	29.7	30.6	33.1	35.5	29.0	29.9	32.3	34.7	27.5	28.4	30.7	32.9	25.5	26.3	28.4	30.5	
1063	S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.77	0.59	0.38	0.89	0.80	0.60	0.39	0.93	0.83	0.63	0.40	0.93	0.84	0.63	0.41	
	ΔT	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	12	21	19	16	11	
	kW	2.34	2.39	2.46	2.55	2.52	2.58	2.66	2.75	2.68	2.74	2.83	2.93	2.83	2.89	2.99	3.09	2.95	3.01	3.11	3.22	3.05	3.12	3.23	3.34	
	Amps	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.2	9.9	10.1	10.4	10.8	10.4	10.7	11.0	11.4	
1063	Hi Pr	212	228	240	251	237	256	270	281	270	291	307	320	308	331	350	365	346	372	393	410	382	411	434	453	
	Lo Pr	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 9 +/- 2 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 7 +/- 2 °F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions

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

EXPANDED COOLING DATA — GPH1336M41C* (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE												
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1363	MBh	35.4	36.2	38.6	41.3	34.6	35.3	37.8	40.4	33.8	34.5	36.9	39.4	32.9	33.7	36.0	38.4	31.3	32.0	34.2	36.5	29.0	29.6	31.6	33.8
		S/T	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.85	0.64
		ΔT	24	22	19	15	23	22	20	16	23	23	20	16	22	23	20	16	21	22	19	16	20	20	18	15
		kW	2.44	2.49	2.57	2.65	2.63	2.69	2.77	2.87	2.80	2.86	2.96	3.06	2.95	3.01	3.12	3.22	3.08	3.15	3.25	3.36	3.19	3.26	3.37	3.49
		Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
	1063	Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
		Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
		MBh	34.4	35.1	37.5	40.1	33.6	34.3	36.7	39.2	32.8	33.5	35.8	38.2	32.0	32.7	34.9	37.3	30.4	31.0	33.2	35.4	28.1	28.8	30.7	32.8
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.98	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.99	0.80	0.60	1.00	1.00	0.81	0.61
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	24	21	16	23	23	20	16	21	22	19	15
85	1363	kW	2.42	2.47	2.55	2.63	2.61	2.66	2.75	2.84	2.77	2.84	2.93	3.03	2.92	2.99	3.09	3.20	3.05	3.12	3.22	3.34	3.16	3.23	3.34	3.46
		Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		Hi Pr	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	410	427	398	428	452	472
		Lo Pr	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
		MBh	31.7	32.4	34.6	37.0	31.0	31.7	33.8	36.2	30.2	30.9	33.0	35.3	29.5	30.2	32.2	34.4	28.0	28.6	30.6	32.7	26.0	26.5	28.4	30.3
	1063	S/T	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.02	0.95	0.78	0.58	1.03	0.96	0.78	0.58
		ΔT	25	23	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
		kW	2.36	2.41	2.48	2.57	2.54	2.60	2.68	2.77	2.70	2.77	2.86	2.95	2.85	2.91	3.01	3.11	2.97	3.04	3.14	3.25	3.08	3.15	3.25	3.37
		Amps	7.6	7.8	8.0	8.3	8.2	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5
		Hi Pr	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	376	397	414	386	416	439	458
85	1363	Lo Pr	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162
		MBh	36.0	36.7	38.5	41.0	35.2	35.9	37.6	40.1	34.3	35.0	36.7	39.1	33.5	34.2	35.8	38.2	31.8	32.4	34.0	36.3	29.5	30.1	31.5	33.6
		S/T	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
		ΔT	24	24	23	20	24	24	23	20	23	24	23	20	23	23	23	20	21	22	23	20	20	20	21	19
		kW	2.46	2.51	2.59	2.68	2.65	2.71	2.80	2.89	2.82	2.88	2.98	3.08	2.97	3.04	3.14	3.25	3.10	3.17	3.28	3.39	3.21	3.29	3.40	3.52
	1063	Amps	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0
		Hi Pr	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	481
		Lo Pr	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171
		MBh	35.0	35.6	37.3	39.8	34.2	34.8	36.5	38.9	33.3	34.0	35.6	38.0	32.5	33.2	34.7	37.1	30.9	31.5	33.0	35.2	28.6	29.2	30.6	32.6
		S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
85	1363	ΔT	26	25	24	21	26	26	24	21	25	26	24	21	25	25	24	21	23	24	24	21	22	22	22	19
		kW	2.44	2.49	2.57	2.65	2.63	2.69	2.77	2.87	2.80	2.86	2.96	3.06	2.95	3.01	3.12	3.22	3.08	3.15	3.25	3.36	3.19	3.26	3.37	3.49
		Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
		Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
		Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1063	MBh	32.3	32.9	34.5	36.8	31.5	32.1	33.7	35.9	30.8	31.4	32.9	35.1	30.0	30.6	32.1	34.2	28.5	29.1	30.5	32.5	26.4	26.9	28.2	30.1
		S/T	0.94	0.90	0.82	0.66	0.97	0.94	0.84	0.69	0.99	0.96	0.87	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76
		ΔT	26	26	24	21	26	26	25	21	26	26	25	21	26	26	25	21	25	25	24	21	23	23	23	20
		kW	2.38	2.43	2.51	2.59	2.56	2.62	2.70	2.80	2.73	2.79	2.88	2.98	2.87	2.94	3.04	3.14	3.00	3.06	3.17	3.28	3.10	3.17	3.28	3.40
		Amps	7.7	7.8	8.1	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6
1063	Hi Pr	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	418	390	420	443	462	
	Lo Pr	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 10 +/- 2 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 10 +/- 2 °F @ the compressor suction access fitting connection.

Shaded area reflects AHRI (TVA) conditions

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

EXPANDED COOLING DATA — GPH1342M41C*

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	M/Bh	40.6	42.1	46.1	-	39.6	41.1	45.0	-	38.7	40.1	43.9	-	37.7	39.1	42.9	-	35.9	37.2	40.7	-	33.2	34.4	37.7	-
	S/T	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
	kW	2.92	2.97	3.06	-	3.13	3.19	3.29	-	3.32	3.39	3.50	-	3.49	3.56	3.67	-	3.63	3.71	3.82	-	3.75	3.83	3.96	-
	Amps	7.7	7.9	8.1	-	8.3	8.5	8.7	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-
	Hi Pr	218	235	248	-	245	263	278	-	278	300	316	-	317	341	360	-	357	384	405	-	394	424	448	-
	Lo Pr	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	M/Bh	39.4	40.8	44.7	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	36.6	38.0	41.6	-	34.8	36.1	39.5	-	32.2	33.4	36.6	-
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.49	-
	ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
	kW	2.89	2.95	3.04	-	3.11	3.17	3.27	-	3.29	3.36	3.47	-	3.46	3.53	3.64	-	3.60	3.68	3.79	-	3.72	3.80	3.92	-
	Amps	7.7	7.8	8.1	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-
Hi Pr	216	232	245	-	242	261	275	-	276	297	313	-	314	338	357	-	353	380	401	-	390	420	443	-	
Lo Pr	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-	
M/Bh	36.4	37.7	41.3	-	35.5	36.8	40.3	-	34.7	35.9	39.4	-	33.8	35.1	38.4	-	32.1	33.3	36.5	-	29.8	30.9	33.8	-	
S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.81	0.68	0.47	-	
ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	
kW	2.83	2.88	2.97	-	3.03	3.10	3.19	-	3.22	3.28	3.38	-	3.38	3.45	3.56	-	3.51	3.59	3.70	-	3.63	3.71	3.83	-	
Amps	7.5	7.6	7.9	-	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-	
Hi Pr	209	225	238	-	235	253	267	-	267	288	304	-	304	328	346	-	343	369	389	-	378	407	430	-	
Lo Pr	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-	
75	M/Bh	41.3	42.5	46.0	49.4	40.3	41.5	44.9	48.2	39.3	40.5	43.8	47.1	38.4	39.5	42.8	45.9	36.5	37.5	40.6	43.6	33.8	34.8	37.6	40.4
	S/T	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.85	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.89	0.68	0.44
	ΔT	21	20	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
	kW	2.94	3.00	3.09	3.18	3.15	3.22	3.32	3.42	3.35	3.42	3.52	3.64	3.51	3.59	3.70	3.82	3.66	3.74	3.86	3.98	3.78	3.86	3.99	4.12
	Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
	Hi Pr	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	409	427	398	428	452	472
	Lo Pr	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	M/Bh	40.1	41.2	44.6	47.9	39.1	40.3	43.6	46.8	38.2	39.3	42.6	45.7	37.3	38.4	41.5	44.6	35.4	36.5	39.5	42.3	32.8	33.8	36.5	39.2
	S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.95	0.85	0.64	0.41	0.95	0.85	0.65	0.42
	ΔT	22	20	17	11	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11
	kW	2.92	2.98	3.07	3.16	3.13	3.20	3.29	3.40	3.32	3.39	3.50	3.61	3.49	3.56	3.67	3.79	3.63	3.71	3.83	3.95	3.75	3.83	3.96	4.09
	Amps	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	9.8	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7
Hi Pr	218	235	248	259	245	263	278	290	278	300	316	330	317	341	360	376	357	384	405	423	394	424	448	467	
Lo Pr	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166	
M/Bh	37.0	38.1	41.2	44.2	36.1	37.2	40.3	43.2	35.3	36.3	39.3	42.2	34.4	35.4	38.3	41.1	32.7	33.6	36.4	39.1	30.3	31.2	33.7	36.2	
S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.59	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40	
ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11	
kW	2.85	2.91	2.99	3.09	3.06	3.12	3.22	3.32	3.24	3.31	3.41	3.52	3.40	3.48	3.58	3.70	3.54	3.62	3.73	3.85	3.66	3.74	3.86	3.98	
Amps	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.2	9.9	10.1	10.4	10.8	10.4	10.7	11.0	11.4	
Hi Pr	212	228	240	251	237	256	270	281	270	291	307	320	308	331	350	365	346	372	393	410	382	411	434	453	
Lo Pr	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 9 +/2 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 7+/-2 °F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions

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

EXPANDED COOLING DATA — GPH1342M41C* (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	42.0	42.9	45.9	49.0	41.0	41.9	44.8	47.9	40.0	40.9	43.7	46.7	39.1	39.9	42.7	45.6	37.1	37.9	40.5	43.3	34.4	35.1	37.5	40.1
	S/T	0.95	0.90	0.73	0.54	1.00	0.93	0.76	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	23	24	20	16	22	22	20	16	20	21	19	15
	kW	2.96	3.02	3.11	3.21	3.18	3.25	3.35	3.45	3.37	3.44	3.55	3.67	3.54	3.62	3.73	3.86	3.69	3.77	3.89	4.02	3.81	3.90	4.02	4.15
	Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
	Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
	Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	MBh	40.8	41.7	44.5	47.6	39.8	40.7	43.5	46.5	38.9	39.7	42.4	45.4	37.9	38.8	41.4	44.3	36.0	36.8	39.3	42.1	33.4	34.1	36.4	39.0
	S/T	0.91	0.85	0.70	0.52	0.94	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60
	ΔT	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	16	22	22	19	15
kW	2.94	3.00	3.09	3.18	3.16	3.22	3.32	3.42	3.35	3.42	3.52	3.64	3.51	3.59	3.70	3.82	3.66	3.74	3.86	3.98	3.78	3.86	3.99	4.12	
Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8	
Hi Pr	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	410	427	398	428	452	472	
Lo Pr	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	
MBh	37.6	38.5	41.1	43.9	36.8	37.6	40.1	42.9	35.9	36.7	39.2	41.9	35.0	35.8	38.2	40.9	33.3	34.0	36.3	38.8	30.8	31.5	33.6	36.0	
S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.01	0.95	0.77	0.58	
ΔT	25	24	21	17	25	24	21	17	25	24	21	17	26	24	21	17	25	24	21	17	23	23	20	16	
kW	2.87	2.93	3.02	3.11	3.08	3.15	3.24	3.34	3.27	3.34	3.44	3.55	3.43	3.50	3.61	3.73	3.57	3.65	3.76	3.88	3.69	3.77	3.89	4.02	
Amps	7.6	7.8	8.0	8.3	8.2	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5	
Hi Pr	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	376	397	414	386	416	439	458	
Lo Pr	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162	
85	MBh	42.7	43.6	45.6	48.7	41.7	42.5	44.6	47.5	40.7	41.5	43.5	46.4	39.8	40.5	42.4	45.3	37.8	38.5	40.3	43.0	35.0	35.7	37.3	39.8
	S/T	1.00	0.97	0.87	0.71	1.00	0.90	0.73	0.56	1.00	0.90	0.73	0.56	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.81	1.00	1.00	1.00	0.81
	ΔT	25	25	23	20	25	25	24	21	24	24	24	21	23	24	24	21	22	23	24	20	21	21	22	19
	kW	2.98	3.04	3.14	3.23	3.20	3.27	3.37	3.48	3.40	3.47	3.58	3.70	3.57	3.65	3.76	3.89	3.72	3.80	3.92	4.05	3.84	3.93	4.06	4.19
	Amps	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0
	Hi Pr	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	481
	Lo Pr	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171
	MBh	41.5	42.3	44.3	47.3	40.5	41.3	43.3	46.2	39.6	40.3	42.2	45.1	38.6	39.3	41.2	44.0	36.7	37.4	39.1	41.8	34.0	34.6	36.3	38.7
	S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77
	ΔT	26	26	24	21	27	26	25	21	26	26	25	21	26	26	25	22	24	25	25	21	23	23	23	20
kW	2.96	3.02	3.11	3.21	3.18	3.25	3.35	3.45	3.37	3.44	3.55	3.67	3.54	3.62	3.73	3.86	3.69	3.77	3.89	4.02	3.81	3.90	4.02	4.15	
Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9	
Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477	
Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169	
MBh	38.3	39.0	40.9	43.6	37.4	38.1	39.9	42.6	36.5	37.2	39.0	41.6	35.6	36.3	38.0	40.6	33.8	34.5	36.1	38.5	31.3	32.0	33.5	35.7	
S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75	
ΔT	27	26	25	21	27	27	25	22	27	27	25	22	27	27	25	22	26	26	25	22	24	24	23	20	
kW	2.89	2.95	3.04	3.13	3.11	3.17	3.27	3.37	3.29	3.36	3.47	3.58	3.46	3.53	3.64	3.76	3.60	3.68	3.79	3.92	3.72	3.80	3.92	4.05	
Amps	7.7	7.8	8.1	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6	
Hi Pr	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	418	390	420	443	462	
Lo Pr	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 10 +/- 2 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 10 +/- 2 °F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TVA) conditions
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED COOLING DATA — GPH1348M41C*

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																									
		65°F				75°F				85°F				95°F				105°F				115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
70	1902	MBh	47.5	49.3	54.0	-	46.4	48.1	52.7	-	45.3	47.0	51.5	-	44.2	45.8	50.2	-	42.0	43.5	47.7	-	38.9	40.3	44.2	-	
		S/T	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.91	0.76	0.53	-	0.92	0.77	0.53	-	
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	
		kW	3.21	3.28	3.38	-	3.46	3.53	3.64	-	3.67	3.75	3.87	-	3.86	3.94	4.07	-	4.02	4.11	4.24	-	4.16	4.25	4.39	-	
		Amps	7.7	7.9	8.1	-	8.3	8.5	8.7	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	
		Hi Pr	218	235	248	-	245	263	278	-	278	300	316	-	317	341	360	-	357	384	405	-	394	424	448	-	
	Lo Pr	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-		
	1692	MBh	46.1	47.8	52.4	-	45.1	46.7	51.2	-	44.0	45.6	50.0	-	42.9	44.5	48.7	-	40.8	42.3	46.3	-	37.8	39.1	42.9	-	
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-	
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	
		kW	3.19	3.25	3.35	-	3.43	3.50	3.61	-	3.64	3.72	3.84	-	3.83	3.91	4.04	-	3.99	4.07	4.21	-	4.12	4.21	4.35	-	
		Amps	7.7	7.8	8.1	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-	
Hi Pr		216	232	245	-	242	261	275	-	276	297	313	-	314	338	357	-	353	380	401	-	390	420	443	-		
Lo Pr	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-			
1483	MBh	42.6	44.1	48.4	-	41.6	43.1	47.2	-	40.6	42.1	46.1	-	39.6	41.1	45.0	-	37.6	39.0	42.7	-	34.9	36.1	39.6	-		
	S/T	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.71	0.49	-		
	ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-		
	kW	3.11	3.18	3.28	-	3.35	3.42	3.52	-	3.55	3.63	3.74	-	3.73	3.81	3.94	-	3.89	3.97	4.10	-	4.02	4.11	4.24	-		
	Amps	7.5	7.6	7.9	-	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-		
	Hi Pr	209	225	238	-	235	253	267	-	267	288	304	-	304	328	346	-	343	369	389	-	378	407	430	-		
Lo Pr	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-			
75	1902	MBh	48.3	49.8	53.9	57.8	47.2	48.6	52.6	56.5	46.1	47.4	51.3	55.1	45.0	46.3	50.1	53.8	42.7	44.0	47.6	51.1	39.6	40.7	44.1	47.3	
		S/T	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.86	0.65	0.42	1.00	0.89	0.68	0.43	1.00	0.93	0.70	0.45	1.00	0.93	0.71	0.45	
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	
		kW	3.24	3.31	3.41	3.52	3.48	3.56	3.67	3.79	3.70	3.78	3.90	4.03	3.89	3.98	4.10	4.24	4.05	4.14	4.28	4.42	4.19	4.29	4.43	4.58	
		Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		Hi Pr	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	368	409	427	398	428	452	472	
	Lo Pr	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167		
	1692	MBh	46.9	48.3	52.3	56.1	45.8	47.2	51.1	54.8	44.7	46.1	49.9	53.5	43.6	44.9	48.6	52.2	41.5	42.7	46.2	49.6	38.4	39.5	42.8	45.9	
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43	
		ΔT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11	
		kW	3.21	3.28	3.38	3.49	3.46	3.53	3.64	3.76	3.67	3.75	3.87	4.00	3.86	3.94	4.07	4.21	4.02	4.11	4.24	4.38	4.16	4.25	4.39	4.54	
		Amps	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	9.8	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7	
Hi Pr		218	235	248	259	245	263	278	290	278	300	316	330	317	341	360	376	357	384	405	423	394	424	448	467		
Lo Pr	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166			
1483	MBh	43.3	44.6	48.3	51.8	42.3	43.5	47.1	50.6	41.3	42.5	46.0	49.4	40.3	41.5	44.9	48.2	38.3	39.4	42.6	45.8	35.4	36.5	39.5	42.4		
	S/T	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42		
	ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11		
	kW	3.14	3.20	3.30	3.41	3.37	3.44	3.55	3.67	3.58	3.66	3.77	3.90	3.76	3.85	3.97	4.10	3.92	4.01	4.14	4.27	4.06	4.14	4.28	4.42		
	Amps	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.2	9.9	10.1	10.4	10.8	10.4	10.7	11.0	11.4		
	Hi Pr	212	228	240	251	237	256	270	281	270	291	307	320	308	331	350	365	346	372	393	410	382	411	434	453		
Lo Pr	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161			

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 9 +/-2 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 7 +/-2 °F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions

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

EXPANDED COOLING DATA — GPH1348M41C* (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE												
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1902	MBh	49.2	50.3	53.7	57.4	48.0	49.1	52.4	56.1	46.9	47.9	51.2	54.7	45.8	46.8	49.9	53.4	43.5	44.4	47.4	50.7	40.3	41.1	44.0	47.0
		S/T	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.62	1.00	1.00	0.87	0.65	1.00	1.00	0.87	0.65
	ΔT	24	23	20	16	23	23	20	16	22	23	20	16	21	21	20	16	21	21	20	16	19	20	19	15	
	kW	3.26	3.33	3.44	3.54	3.51	3.59	3.70	3.82	3.73	3.81	3.93	4.06	3.92	4.01	4.14	4.28	4.09	4.18	4.31	4.46	4.23	4.32	4.46	4.62	
	Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9	
	Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477	
	Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169	
	MBh	47.8	48.8	52.1	55.7	46.6	47.7	50.9	54.4	45.5	46.5	49.7	53.1	44.4	45.4	48.5	51.8	42.2	43.1	46.1	49.2	39.1	39.9	42.7	45.6	
	S/T	0.95	0.89	0.73	0.54	0.99	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62	
	ΔT	25	24	21	16	25	24	21	17	25	24	21	17	24	24	21	17	23	23	21	17	21	22	19	15	
kW	3.24	3.31	3.41	3.52	3.48	3.56	3.67	3.79	3.70	3.78	3.90	4.03	3.89	3.98	4.11	4.24	4.05	4.14	4.28	4.42	4.19	4.29	4.43	4.58		
Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8		
Hi Pr	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	410	427	398	428	452	472		
Lo Pr	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167		
MBh	44.1	45.0	48.1	51.4	43.0	44.0	47.0	50.2	42.0	42.9	45.9	49.0	41.0	41.9	44.8	47.8	38.9	39.8	42.5	45.5	36.1	36.9	39.4	42.1		
S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.97	0.91	0.74	0.56	1.01	0.94	0.77	0.57	1.04	0.98	0.80	0.60	1.05	0.99	0.80	0.60		
ΔT	25	24	21	17	25	24	21	17	25	24	21	17	26	25	21	17	25	24	21	17	24	23	20	16		
kW	3.16	3.23	3.33	3.43	3.40	3.47	3.58	3.70	3.61	3.69	3.81	3.93	3.80	3.88	4.00	4.13	3.95	4.04	4.17	4.31	4.09	4.18	4.32	4.46		
Amps	7.6	7.8	8.0	8.3	8.2	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5		
Hi Pr	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	376	397	414	386	416	439	458		
Lo Pr	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162		
85	1902	MBh	50.0	51.0	53.4	57.0	48.9	49.8	52.2	55.7	47.7	48.6	50.9	54.3	46.6	47.5	49.7	53.0	44.2	45.1	47.2	50.4	41.0	41.8	43.7	46.7
		S/T	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.97	0.79	1.00	1.00	0.94	0.81	1.00	1.00	0.94	0.84	1.00	1.00	0.94	0.85
	ΔT	24	25	24	20	24	24	24	21	23	24	24	21	23	23	24	21	21	22	23	20	20	20	21	19	
	kW	3.29	3.36	3.46	3.57	3.54	3.62	3.73	3.85	3.76	3.84	3.97	4.10	3.96	4.04	4.17	4.31	4.12	4.21	4.35	4.50	4.26	4.36	4.50	4.65	
	Amps	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0	
	Hi Pr	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	481	
	Lo Pr	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171	
	MBh	48.6	49.5	51.9	55.3	47.5	48.4	50.7	54.0	46.3	47.2	49.5	52.8	45.2	46.1	48.2	51.5	42.9	43.8	45.8	48.9	39.8	40.5	42.5	45.3	
	S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	0.99	0.81	
	ΔT	26	26	24	21	26	26	25	21	25	26	25	21	25	25	25	22	23	24	25	21	22	22	23	20	
kW	3.26	3.33	3.44	3.54	3.51	3.59	3.70	3.82	3.73	3.81	3.93	4.06	3.92	4.01	4.14	4.28	4.09	4.18	4.31	4.46	4.23	4.32	4.46	4.62		
Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9		
Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477		
Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169		
MBh	44.8	45.7	47.9	51.1	43.8	44.6	46.8	49.9	42.8	43.6	45.6	48.7	41.7	42.5	44.5	47.5	39.6	40.4	42.3	45.1	36.7	37.4	39.2	41.8		
S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78		
ΔT	27	26	25	22	27	27	25	22	27	27	25	22	26	26	25	22	25	25	25	22	23	23	23	20		
kW	3.19	3.25	3.35	3.46	3.43	3.50	3.61	3.73	3.64	3.72	3.84	3.96	3.83	3.91	4.04	4.17	3.99	4.07	4.21	4.35	4.12	4.21	4.35	4.50		
Amps	7.7	7.8	8.1	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6		
Hi Pr	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	418	390	420	443	462		
Lo Pr	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164		

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 10 +/- 2 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 10 +/- 2 °F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TV) conditions
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED COOLING DATA — GPH1360M41C*

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																																																								
		65°F						75°F						85°F						95°F						105°F						115°F																																										
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79																																					
70	2000	MBh	55.1	57.1	62.6	-	53.8	55.8	61.1	-	52.5	54.5	59.7	-	51.3	53.1	58.2	-	48.7	50.5	55.3	-	45.1	46.8	51.2	-	48.7	50.5	55.3	-	45.1	46.8	51.2	-	48.7	50.5	55.3	-	45.1	46.8	51.2	-	48.7	50.5	55.3	-	45.1	46.8	51.2	-	48.7	50.5	55.3	-	45.1	46.8	51.2	-	48.7	50.5	55.3	-	45.1	46.8	51.2	-								
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-								
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-	19	17	13	-	18	16	12	-	19	17	13	-	18	16	12	-	19	17	13	-	18	16	12	-	19	17	13	-	18	16	12	-	19	17	13	-	18	16	12	-	19	17	13	-	18	16	12	-
		kW	3.94	4.02	4.15	-	4.25	4.34	4.48	-	4.52	4.62	4.77	-	4.76	4.87	5.03	-	4.97	5.08	5.25	-	5.14	5.26	5.44	-	4.97	5.08	5.25	-	5.14	5.26	5.44	-	4.97	5.08	5.25	-	5.14	5.26	5.44	-	4.97	5.08	5.25	-	5.14	5.26	5.44	-	4.97	5.08	5.25	-	5.14	5.26	5.44	-	4.97	5.08	5.25	-	5.14	5.26	5.44	-								
		Amps	7.7	7.9	8.1	-	8.3	8.5	8.7	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-								
	Hi Pr	218	235	248	-	245	263	278	-	278	300	316	-	317	341	360	-	357	384	405	-	394	424	448	-	357	384	405	-	394	424	448	-	357	384	405	-	394	424	448	-	357	384	405	-	394	424	448	-	357	384	405	-	394	424	448	-																	
	Lo Pr	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-	130	138	150	-	134	143	156	-	130	138	150	-	134	143	156	-	130	138	150	-	134	143	156	-	130	138	150	-	134	143	156	-																	
	MBh	53.5	55.5	60.8	-	52.3	54.2	59.3	-	51.0	52.9	57.9	-	49.8	51.6	56.5	-	47.3	49.0	53.7	-	43.8	45.4	49.7	-	47.3	49.0	53.7	-	43.8	45.4	49.7	-	47.3	49.0	53.7	-	43.8	45.4	49.7	-	47.3	49.0	53.7	-	43.8	45.4	49.7	-	47.3	49.0	53.7	-	43.8	45.4	49.7	-																	
	S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.83	0.69	0.48	-	0.82	0.68	0.47	-	0.83	0.69	0.48	-	0.82	0.68	0.47	-	0.83	0.69	0.48	-	0.82	0.68	0.47	-	0.83	0.69	0.48	-																									
	ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-	20	17	13	-	19	16	12	-	20	17	13	-	19	16	12	-	20	17	13	-	19	16	12	-																									
kW	3.90	3.99	4.12	-	4.21	4.30	4.44	-	4.48	4.58	4.73	-	4.72	4.83	4.99	-	4.92	5.04	5.21	-	5.10	5.22	5.39	-	4.92	5.04	5.21	-	5.10	5.22	5.39	-	4.92	5.04	5.21	-	5.10	5.22	5.39	-	4.92	5.04	5.21	-	5.10	5.22	5.39	-																										
Amps	7.7	7.8	8.1	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-																																		
Hi Pr	216	232	245	-	242	261	275	-	276	297	313	-	314	338	357	-	353	380	401	-	390	420	443	-	353	380	401	-	390	420	443	-	353	380	401	-	390	420	443	-																																		
Lo Pr	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-	128	136	149	-	133	141	154	-																																										
MBh	49.4	51.2	56.1	-	48.2	50.0	54.8	-	47.1	48.8	53.5	-	45.9	47.6	52.2	-	43.6	45.2	49.6	-	40.4	41.9	45.9	-	43.6	45.2	49.6	-	40.4	41.9	45.9	-	43.6	45.2	49.6	-	40.4	41.9	45.9	-																																		
S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-																																		
ΔT	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	20	18	13	-	19	17	13	-	21	18	14	-	19	17	13	-	21	18	14	-	19	17	13	-																																		
kW	3.81	3.89	4.02	-	4.11	4.20	4.33	-	4.37	4.47	4.61	-	4.60	4.70	4.86	-	4.80	4.91	5.07	-	4.97	5.08	5.25	-	4.80	4.91	5.07	-	4.97	5.08	5.25	-																																										
Amps	7.5	7.6	7.9	-	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-																																										
Hi Pr	209	225	238	-	235	253	267	-	267	288	304	-	304	328	346	-	343	369	389	-	378	407	430	-	343	369	389	-	378	407	430	-																																										
Lo Pr	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-	124	132	144	-	129	137	149	-																																										
MBh	56.0	57.7	62.5	67.0	54.7	56.4	61.0	65.5	53.4	55.0	59.5	63.9	52.1	53.7	58.1	62.4	49.5	51.0	55.2	59.2	45.9	47.2	51.1	54.9	51.0	52.9	57.9	62.4	49.5	51.0	55.2	59.2	45.9	47.2	51.1	54.9																																						
S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.93	0.83	0.63	0.41	0.90	0.84	0.64	0.41	0.84	0.64	0.41	0.41	0.93	0.83	0.63	0.41	0.90	0.84	0.64	0.41																																						
ΔT	22	20	17	11	22	21	17	12	22	21	17	12	23	22	18	12	23	21	17	12	22	20	17	11	22	21	17	12	22	20	17	12	22	20	17	11																																						
kW	3.97	4.05	4.19	4.32	4.28	4.38	4.52	4.67	4.56	4.66	4.81	4.98	4.80	4.91	5.07	5.25	5.01	5.12	5.30	5.48	5.19	5.31	5.49	5.68	5.01	5.12	5.30	5.48	5.19	5.31	5.49	5.68																																										
Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8																																										
Hi Pr	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	409	427	398	428	452	472	360	388	409	427	398	428	452	472																																										
Lo Pr	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	131	139	152	162	135	144	157	167																																										
MBh	54.4	56.0	60.6	65.1	53.1	54.7	59.2	63.6	51.9	53.4	57.8	62.0	50.6	52.1	56.4	60.5	48.1	49.5	53.6	57.5	44.5	45.9	49.6	53.3	49.5	51.0	55.2	59.2	44.5	45.9	49.6	53.3																																										
S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.41	0.90	0.84	0.64	0.41	0.80	0.61	0.39	0.39	0.93	0.83	0.63	0.41																																										
ΔT	23	21	17	12	23	21	18	12	23	21	18	12	23	22	18	12	23	21	17	12	22	20	16	11	22	21	17	12	22	20	16	11																																										
kW	3.94	4.02	4.15	4.29	4.25	4.34	4.48	4.63	4.52	4.62	4.77	4.94	4.76	4.87	5.03	5.20	4.97	5.08	5.25	5.43	5.14	5.26	5.44	5.63	4.97	5.08	5.25	5.43	5.14	5.26	5.44	5.63																																										
Amps	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	9.8	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7																																										
Hi Pr	218	235	248	259	245	263	278	290	278	300	316	330	317	341	360	376	357	384	405	423	394	424	448	467	357	384	405	423	394	424	448	467																																										
Lo Pr	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144</																																																											

EXPANDED COOLING DATA — GP1360M41C* (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE													
		65°F				75°F				85°F				95°F				105°F				115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	2000	MBh	57.0	58.3	62.3	66.6	55.7	56.9	60.8	65.0	54.4	55.6	59.4	63.5	53.1	54.2	57.9	61.9	50.4	51.5	55.0	58.8	46.7	47.7	51.0	54.5	
		S/T	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62	
		ΔT	25	24	21	16	26	24	21	17	25	24	21	17	24	24	21	17	23	23	24	21	17	23	22	19	15
		kW	4.00	4.09	4.22	4.36	4.32	4.41	4.56	4.71	4.60	4.70	4.86	5.02	4.84	4.95	5.12	5.29	5.05	5.05	5.17	5.34	5.53	5.23	5.35	5.53	5.73
	Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9	
	Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	364	392	414	431	402	433	457	477	
	Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	132	141	153	163	137	145	159	169	
	MBh	55.4	56.6	60.5	64.6	54.1	55.3	59.0	63.1	52.8	54.0	57.6	61.6	51.5	52.6	56.2	60.1	48.9	50.0	53.4	57.1	45.3	46.3	49.5	52.9		
	S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.97	0.79	0.59		
	ΔT	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	23	23	25	22	17	23	22	20	16	
	kW	3.97	4.05	4.19	4.32	4.28	4.38	4.52	4.67	4.56	4.66	4.81	4.98	4.80	4.91	5.08	5.25	5.01	5.01	5.12	5.30	5.48	5.19	5.31	5.49	5.68	
	Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8	
Hi Pr	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	360	388	410	427	398	428	452	472		
Lo Pr	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	131	139	152	162	135	144	157	167		
MBh	51.1	52.2	55.8	59.6	49.9	51.0	54.5	58.3	48.7	49.8	53.2	56.9	47.5	48.6	51.9	55.5	45.2	46.2	49.3	52.7	41.8	42.8	45.7	48.8			
S/T	0.86	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.99	0.93	0.76	0.57		
ΔT	26	25	22	17	27	25	22	18	27	25	22	18	27	26	22	18	26	25	22	18	26	25	24	21	16		
kW	3.87	3.96	4.08	4.22	4.17	4.27	4.41	4.55	4.44	4.54	4.69	4.85	4.68	4.78	4.94	5.11	4.88	4.88	4.99	5.16	5.34	5.05	5.17	5.34	5.53		
Amps	7.6	7.8	8.0	8.3	8.2	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5		
Hi Pr	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	350	376	397	414	386	416	439	458		
Lo Pr	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	127	135	147	157	131	140	152	162		
85	2000	MBh	58.0	59.2	62.0	66.1	56.7	57.8	60.5	64.6	55.3	56.4	59.1	63.0	54.0	55.0	57.6	61.5	51.3	52.3	54.8	58.4	47.5	48.4	50.7	54.1	
		S/T	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.99	0.80	
		ΔT	26	26	24	21	26	26	25	21	25	26	25	21	25	25	25	22	22	24	24	25	21	22	22	23	20
		kW	4.03	4.12	4.25	4.40	4.35	4.45	4.60	4.75	4.63	4.74	4.90	5.06	4.88	4.99	5.16	5.34	5.09	5.09	5.21	5.39	5.57	5.28	5.40	5.58	5.78
	Amps	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0	
	Hi Pr	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	368	396	418	436	406	437	462	481	
	Lo Pr	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	133	142	155	165	138	147	160	171	
	MBh	56.3	57.4	60.2	64.2	55.0	56.1	58.8	62.7	53.7	54.8	57.4	61.2	54.0	53.4	56.0	59.7	49.8	50.8	53.2	56.7	46.1	47.0	49.2	52.5		
	S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76		
	ΔT	27	27	25	22	28	27	26	22	28	27	26	22	27	28	26	23	26	26	26	26	22	24	24	24	21	
	kW	4.00	4.09	4.22	4.36	4.32	4.41	4.56	4.71	4.60	4.70	4.86	5.02	4.84	4.95	5.12	5.29	5.05	5.05	5.17	5.34	5.53	5.23	5.35	5.53	5.73	
	Amps	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9	
Hi Pr	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	364	392	414	431	402	433	457	477		
Lo Pr	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	132	141	153	163	137	145	159	169		
MBh	52.0	53.0	55.5	59.2	50.8	51.8	54.2	57.9	49.6	50.5	52.9	56.5	48.4	49.3	51.6	55.1	46.0	46.8	49.1	52.3	42.6	43.4	45.4	48.5			
S/T	0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.73			
ΔT	28	27	26	22	28	28	26	23	28	28	26	23	29	28	27	23	27	28	28	26	23	25	26	24	21		
kW	3.90	3.99	4.12	4.25	4.21	4.30	4.44	4.59	4.48	4.58	4.73	4.89	4.72	4.83	4.99	5.16	4.92	4.92	5.03	5.20	5.38	5.10	5.21	5.39	5.58		
Amps	7.7	7.8	8.1	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6		
Hi Pr	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	353	380	401	418	390	420	443	462		
Lo Pr	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	128	136	149	159	133	141	154	164		

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 10 +/- 2 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 10 +/- 2 °F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TVA) conditions
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

EXPANDED HEATING DATA

GPH1324M41C*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	31.3	29.6	27.8	26.0	24.9	24.1	22.4	20.6	17.2	15.9	14.6	13.8	13.3	11.9	10.6	9.2	7.9	6.5
T/R	32.6	30.9	29.1	27.2	26.0	25.2	23.4	21.5	18.0	16.6	15.3	14.4	13.9	12.5	11.1	9.6	8.2	6.7
kW	2.11	2.07	2.03	1.99	1.97	1.95	1.92	1.88	1.93	1.89	1.85	1.82	1.81	1.77	1.73	1.69	1.65	1.61
Amps	10.4	9.8	9.3	8.8	8.5	8.4	8.0	7.7	7.4	7.2	6.9	6.8	6.7	6.5	6.1	5.9	5.6	5.2
COP	4.34	4.19	4.01	3.82	3.69	3.61	3.42	3.22	2.61	2.46	2.32	2.22	2.15	1.98	1.79	1.60	1.40	1.18
EER	14.8	14.3	13.7	13.1	12.6	12.3	11.7	11.0	8.9	8.4	7.9	7.6	7.4	6.8	6.1	5.5	4.8	4.0
Hi Pr	377	361	347	332	324	318	306	293	281	268	258	252	247	238	229	219	211	204
Lo Pr	146	135	127	116	110	106	97	87	78	70	61	57	55	46	40	34	30	23

GPH1330M41C*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	34.1	32.2	30.3	28.4	27.1	26.2	24.4	22.5	19.9	18.4	16.9	16.0	15.4	13.8	12.2	10.7	9.1	7.5
T/R	28.8	27.3	25.7	24.0	22.9	22.2	20.7	19.0	16.9	15.6	14.3	13.5	13.0	11.7	10.4	9.0	7.7	6.3
KW	2.38	2.34	2.29	2.25	2.22	2.21	2.16	2.12	2.21	2.16	2.12	2.09	2.07	2.02	1.98	1.93	1.89	1.84
AMPS	11.9	11.1	10.6	10.0	9.8	9.6	9.2	8.8	8.5	8.2	7.9	7.8	7.7	7.4	7.1	6.8	6.4	6.0
COP	4.19	4.04	3.87	3.69	3.56	3.48	3.30	3.10	2.64	2.49	2.34	2.24	2.18	2.00	1.81	1.62	1.41	1.19
EER	14.3	13.8	13.2	12.6	12.2	11.9	11.3	10.6	9.0	8.5	8.0	7.7	7.4	6.8	6.2	5.5	4.8	4.1
HI PR	355	341	328	313	306	300	288	277	265	253	243	237	233	224	216	207	199	192
LO PR	133	124	116	106	100	97	89	79	71	64	56	52	50	42	37	31	27	21

GPH1336M41C*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	44.5	42.1	39.7	37.1	35.4	34.3	31.9	29.4	23.7	21.9	20.2	19.0	18.3	16.5	14.6	12.7	10.9	8.9
T/R	34.0	32.2	30.3	28.3	27.0	26.2	24.3	22.4	18.1	16.7	15.4	14.5	14.0	12.6	11.1	9.7	8.3	6.8
KW	3.08	3.02	2.95	2.89	2.86	2.83	2.77	2.71	2.60	2.54	2.48	2.44	2.42	2.35	2.29	2.23	2.17	2.11
AMPS	15.2	14.2	13.4	12.6	12.2	12.0	11.4	10.9	10.5	10.1	9.6	9.4	9.3	8.9	8.4	8.0	7.5	6.8
COP	4.23	4.09	3.93	3.75	3.63	3.55	3.37	3.18	2.67	2.53	2.38	2.28	2.22	2.05	1.86	1.67	1.46	1.23
EER	14.5	14.0	13.4	12.8	12.4	12.1	11.5	10.9	9.1	8.6	8.1	7.8	7.6	7.0	6.4	5.7	5.0	4.2
HI PR	412	395	380	363	355	348	334	321	307	294	282	275	270	260	250	240	231	223
LO PR	138	128	120	110	104	100	92	82	74	66	58	54	52	44	38	32	28	22

Above information is for nominal CFM and 70° indoor dry bulb; instantaneous capacity listed.

Amps: Unit amps (comp.+ evap motor + condenser fan motor)

High pressure measured at liquid line access fitting; Low pressure measured at compressor suction access fitting.

kW = Total system power

EXPANDED HEATING DATA (CONT.)

GPH1342M41C*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	54.8	51.9	48.8	45.6	43.6	42.2	39.2	36.2	30.5	28.1	25.9	24.5	23.6	21.1	18.7	16.3	13.9	11.4
T/R	36.6	34.6	32.6	30.5	29.1	28.2	26.2	24.2	20.4	18.8	17.3	16.3	15.7	14.1	12.5	10.9	9.3	7.6
KW	3.89	3.82	3.74	3.66	3.62	3.59	3.52	3.44	3.21	3.14	3.07	3.03	3.00	2.93	2.86	2.79	2.71	2.64
AMPS	19.5	18.2	17.2	16.3	15.8	15.5	14.7	14.1	13.5	13.0	12.5	12.2	12.1	11.6	10.9	10.4	9.8	9.0
COP	4.12	3.98	3.82	3.64	3.52	3.44	3.26	3.08	2.78	2.63	2.47	2.37	2.30	2.11	1.92	1.72	1.50	1.26
EER	14.1	13.6	13.0	12.5	12.0	11.8	11.2	10.5	9.5	9.0	8.4	8.1	7.9	7.2	6.6	5.9	5.1	4.3
HI PR	434	416	400	383	374	366	352	338	324	309	297	290	285	274	263	253	244	235
LO PR	140	130	122	112	106	101	93	83	75	67	59	55	53	45	39	32	28	22

GPH1348M41C*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	61.8	58.5	55.1	51.5	49.2	47.7	44.3	40.8	34.5	31.9	29.3	27.7	26.7	23.9	21.2	18.5	15.8	12.9
T/R	33.8	32.0	30.1	28.2	26.9	26.1	24.2	22.3	18.9	17.4	16.0	15.2	14.6	13.1	11.6	10.1	8.6	7.1
KW	4.12	4.04	3.96	3.88	3.83	3.80	3.72	3.64	3.40	3.33	3.25	3.21	3.18	3.10	3.02	2.95	2.87	2.80
AMPS	20.1	18.8	17.7	16.7	16.2	15.9	15.1	14.4	13.8	13.3	12.7	12.4	12.3	11.7	11.1	10.5	9.8	9.0
COP	4.39	4.24	4.07	3.89	3.76	3.67	3.48	3.28	2.97	2.80	2.64	2.53	2.46	2.26	2.05	1.84	1.61	1.35
EER	15.0	14.5	13.9	13.3	12.8	12.6	11.9	11.2	10.1	9.6	9.0	8.6	8.4	7.7	7.0	6.3	5.5	4.6
HI PR	418	401	385	368	360	353	339	326	312	298	286	279	274	264	254	243	235	226
LO PR	135	125	117	107	102	98	90	80	72	64	57	53	51	43	37	31	27	21

GPH1360M41C*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	72.2	68.4	64.3	60.1	57.4	55.7	51.7	47.7	39.8	36.7	33.8	31.9	30.7	27.6	24.5	21.3	18.2	14.9
T/R	37.5	35.5	33.5	31.3	29.9	28.9	26.9	24.8	20.7	19.1	17.6	16.6	16.0	14.3	12.7	11.1	9.5	7.8
KW	4.98	4.88	4.78	4.67	4.62	4.57	4.48	4.38	4.20	4.10	4.01	3.95	3.91	3.81	3.71	3.62	3.52	3.42
AMPS	25.4	23.7	22.3	21.1	20.4	20.1	19.0	18.2	17.5	16.8	16.1	15.8	15.6	14.9	14.1	13.4	12.5	11.5
COP	4.25	4.10	3.94	3.77	3.64	3.56	3.38	3.19	2.77	2.62	2.47	2.37	2.30	2.12	1.93	1.73	1.51	1.28
EER	14.5	14.0	13.5	12.9	12.4	12.2	11.5	10.9	9.5	9.0	8.4	8.1	7.9	7.2	6.6	5.9	5.2	4.4
HI PR	421	404	388	371	362	355	342	328	314	300	288	281	276	266	255	245	236	228
LO PR	134	124	116	107	101	97	89	79	72	64	56	52	50	43	37	31	27	21

Above information is for nominal CFM and 70° indoor dry bulb; instantaneous capacity listed.

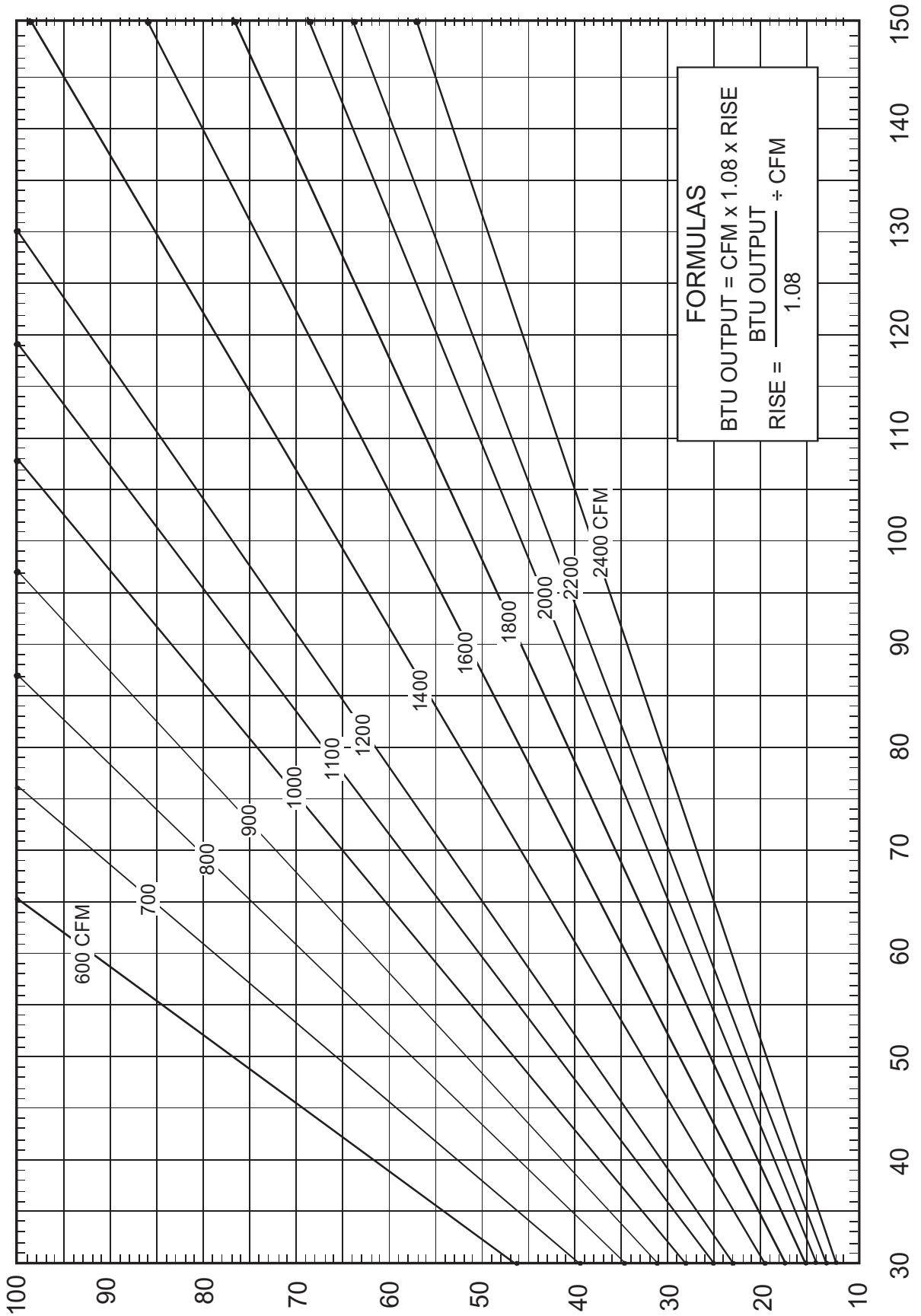
Amps: Unit amps (comp.+ evap motor + condenser fan motor)

High pressure measured at liquid line access fitting; Low pressure measured at compressor suction access fitting.

kW = Total system power

TEMPERATURE RISE RANGE CHART

BTU OUTPUT vs TEMPERATURE RISE CHART



AIRFLOW DATA

MODEL	TAP SPEED	VOLTS	E.S.P (IN. OF H ₂ O)								
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
GPH13 24M41C*	Low	230	CFM Watts	667 153	596 150	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----
	Med	230	CFM Watts	897 233	841 229	784 224	713 217	610 207	----- -----	----- -----	----- -----
	High	230	CFM Watts	1,242 373	1,181 364	1,122 354	1,057 344	982 333	883 318	719 298	617 284
GPH13 30M41C*	Low	230	CFM Watts	1,097 337	1,059 330	1,016 324	959 315	901 305	818 290	648 271	562 257
	Med	230	CFM Watts	1,253 397	1,204 388	1,148 379	1,097 369	1,033 356	952 342	777 313	670 297
	High	230	CFM Watts	1,448 499	1,380 483	1,323 472	1,258 459	1,194 446	1,106 427	1,008 410	864 382
GPH13 36M41C*	T1	230	CFM Watts	867 77	789 84	711 90	632 97	554 103	----- -----	----- -----	----- -----
	T2 / T3	230	CFM Watts	1,272 223	1,222 230	1,173 236	1,123 243	1,074 249	1,024 256	974 262	925 269
	T4 / T5	230	CFM Watts	1,446 287	1,396 293	1,347 300	1,297 306	1,248 313	1,198 319	1,148 326	1,099 332
GPH13 42M41C*	Low	230	CFM Watts	1,122 338	1,078 330	1,032 321	972 310	915 300	804 283	687 264	558 250
	Med	230	CFM Watts	1,387 456	1,331 440	1,264 428	1,209 412	1,119 399	1,041 382	935 363	748 330
	High	230	CFM Watts	1,521 534	1,454 521	1,388 510	1,311 490	1,230 477	1,144 461	1,055 442	939 420
GPH13 48M41C*	T1	230	CFM Watts	1,451 255	1,404 264	1,356 273	1,309 282	1,262 291	1,215 299	1,168 308	1,121 317
	T2 / T3	230	CFM Watts	1,809 444	1,762 453	1,715 462	1,667 471	1,620 479	1,573 488	1,526 497	1,479 506
	T4 / T5	230	CFM Watts	1,885 484	1,838 493	1,790 502	1,743 510	1,696 519	1,649 528	1,602 537	1,555 546
GPH13 60M41C*	T1	230	CFM Watts	1,774 444	1,731 453	1,688 463	1,645 473	1,602 483	1,559 493	1,515 503	1,472 512
	T2 / T3	230	CFM Watts	1,891 515	1,848 525	1,804 535	1,761 544	1,718 554	1,675 564	1,632 574	1,589 584
	T4 / T5	230	CFM Watts	2,105 646	2,062 656	2,018 666	1,975 676	1,932 686	1,889 696	1,846 705	1,803 715

Notes

- Data shown is dry coil. Wet coil pressure drop is approximately 0.1" H₂O, for two-row indoor coil; 0.2" H₂O, for three-row indoor coil; and 0.3" H₂O, for four-row indoor coil.
- Data shown does not include filter pressure drop, approximately 0.08" H₂O.
- ALL MODELS SHOULD RUN NO LESS THAN 350 CFM/TON. USE HIGHER SPEED TAP OR NEXT SIZE LARGER BLOWER ASM. See Repair Parts list.
- Reduce airflow by 2% for 208-volt operation.

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

MODEL AND HEAT KIT USAGE	CIRCUIT #1		CIRCUIT #2		SINGLE-POINT KIT		ACTUAL kW / BTU@ 240V
	MCA ¹	MOP ²	MCA ¹	MOP ²	MCA ¹	MOP ²	
GPH1324M41**	1.9	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	44	50	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	55	60	7.0 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	68	70	9.5 / 32,400
GPH1330M41**	1.9	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	48	50	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	59	60	7.0 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	72	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	97	100	14.25 / 48,600
GPH1336M41**	1.9	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	50	60	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	62	70	7.0 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	75	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	100	100	14.25 / 48,600
GPH1342M41**	3.6	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	52	60	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	63	70	7.0 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	76	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	101	110	14.25 / 48,600
GPH1348M41**	7.3	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	59	70	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	71	80	7.0 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	84	90	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	109	110	14.25 / 48,600
HKP-20C*	43 / 49	45 / 50	43 / 49	45 / 50	136	150	19.0 / 64,800
GPH1360M41**	9.5	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	67	80	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	78	90	7.0 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	91	100	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	116	125	14.25 / 48,600
HKP-20C*	43 / 49	45 / 50	43 / 49	45 / 50	144	150	19.0 / 64,800

¹ Minimum Circuit Ampacity @ 208 / 240 V

² Maximum Overcurrent Protection Device @ 208 / 240 V

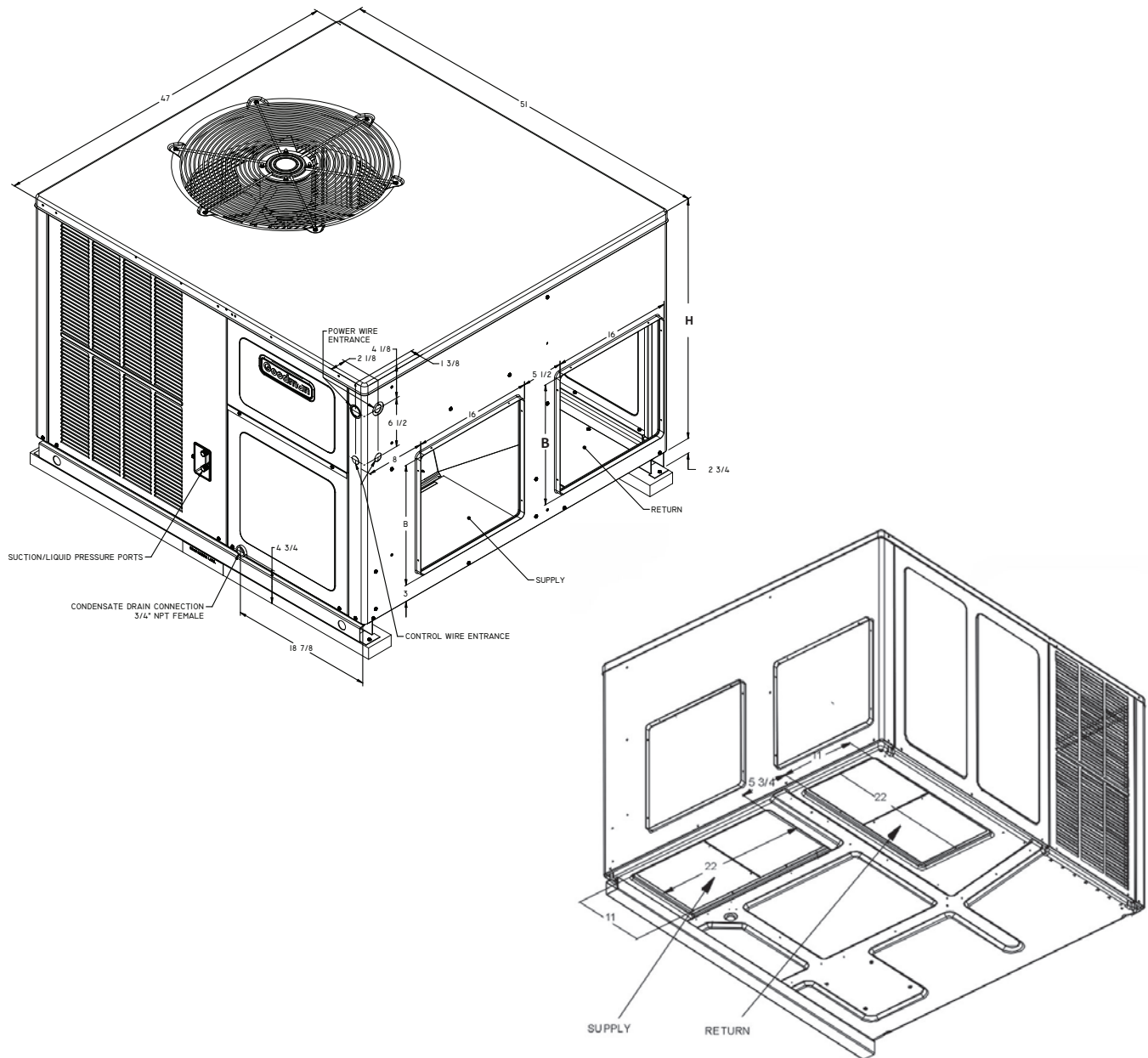
* Revision level that may or may not be designated

C Circuit breaker option

^ Heat Kit requires three-phase power supply

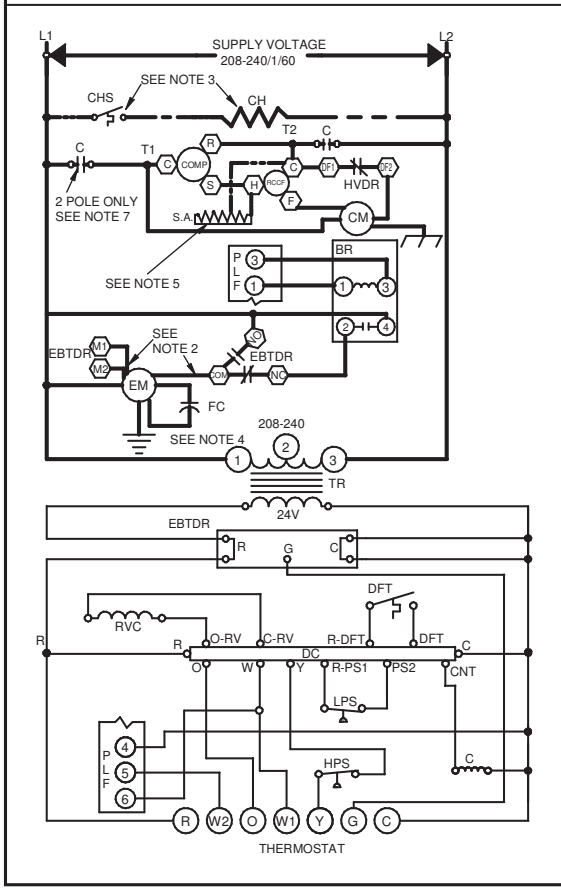
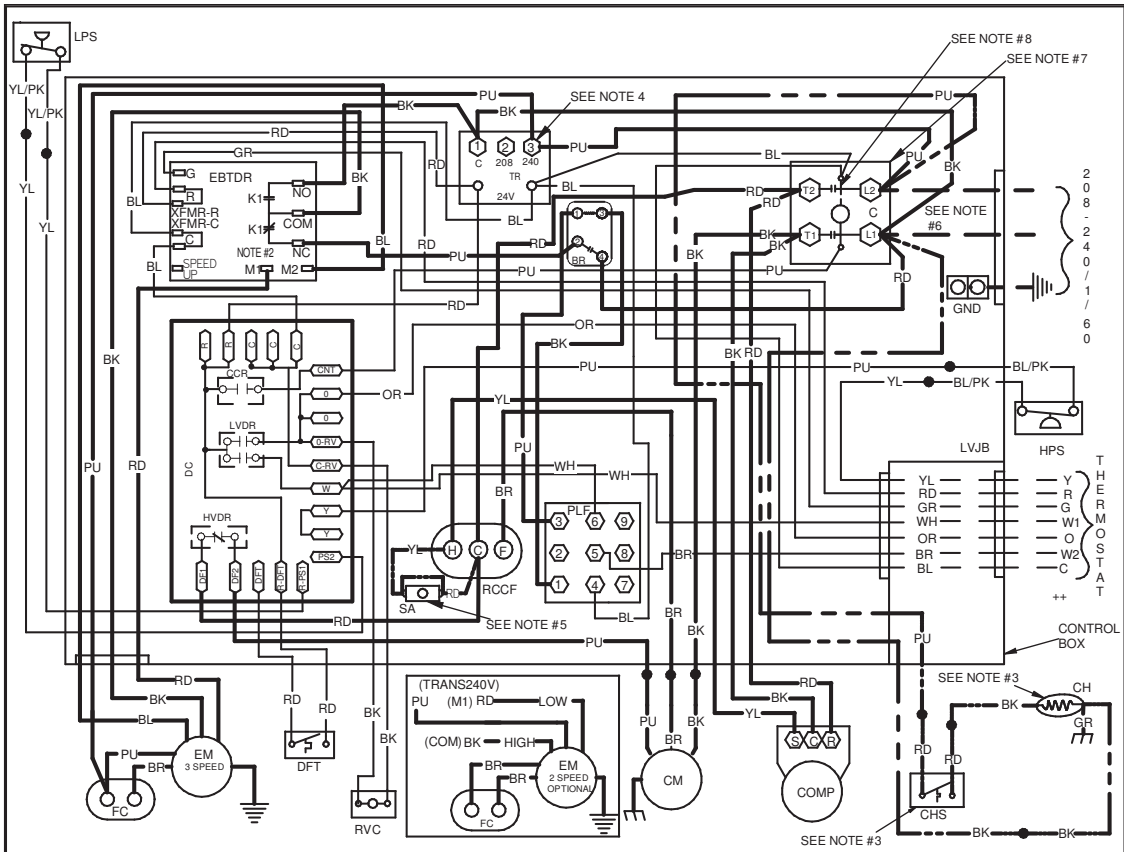
NOTE: HKP-15C* and HKP-20C* replace HKR-15C and HKR-20C respectively to meet new UL1995 requirements.

DIMENSIONS



MODEL	MED.	LARGE	W"	D"	H"	B	H
GPH1324M41	X		47	51	34 $\frac{3}{4}$ "	16"	32 $\frac{1}{2}$ "
GPH1330M41	X		47	51	34 $\frac{3}{4}$ "	16"	32 $\frac{1}{2}$ "
GPH1336M41	X		47	51	34 $\frac{3}{4}$ "	16"	32 $\frac{1}{2}$ "
GPH1342M41	X		47	51	34 $\frac{3}{4}$ "	16"	32 $\frac{1}{2}$ "
GPH1348M41		X	47	51	42 $\frac{3}{4}$ "	18"	40"
GPH1360M41		X	47	51	42 $\frac{3}{4}$ "	18"	40"

WIRING DIAGRAM — GPH1324-30, 42M41C*



COMPONENT LEGEND

BR	BLOWER INTERLOCK RELAY	---	FACTORY WIRING
C	CONTACTOR	—	LINE VOLTAGE
CCR	COMPRESSOR CONTACTOR RELAY	- - -	LOW VOLTAGE
CH	CRANKCASE HEATER	- - - -	OPTIONAL HIGH VOLTAGE
CHS	CRANKCASE HEATER SWITCH	— — —	FIELD WIRING
CM	CONDENSER MOTOR	— — — —	HIGH VOLTAGE
COMP	COMPRESSOR	— — — — —	LOW VOLTAGE
DC	DEFROST CONTROL		
DFT	DEFROST THERMOSTAT		
EBTDR	ELECTRONIC BLOWER TIME DELAY RELAY		
EM	EVAPORATOR MOTOR		
FC	FAN CAPACITOR		
GND	EQUIPMENT GROUND		
HPS	HIGH PRESSURE SWITCH		
HVDR	HIGH VOLTAGE DEFROST RELAY		
LPS	LOW PRESSURE SWITCH		
LVDR	LOW VOLTAGE DEFROST RELAY		
LVB	LOW VOLTAGE JUNCTION BOX		
PLF	FEMALE PLUG / CO NNECTOR		
RVC	REVERSING VALVE COIL		
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN		
SA	START ASSIST		
TR	TRANSFORMER		

WIRE CODE

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW

- NOTES:**
- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
 - TO CHANGE EVAPORATOR MOTOR SPEED REPLACE LEAD ON EBTDR "COM" WITH LEAD ON EBTDR "M1" OR "M2".
 - CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
 - FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TERMINAL 2 ON TRANSFORMER.
 - START ASSIST FACTORY EQUIPPED WHEN REQUIRED.
 - USE COPPER CONDUCTORS ONLY ++ USE N.E.C. CLASS 2 WIRE.
 - DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
 - COMMON SIDE OF CONTACTOR CAN NOT BE GROUNDED OR CONNECTED TO ANY OTHER COMMON (24V).

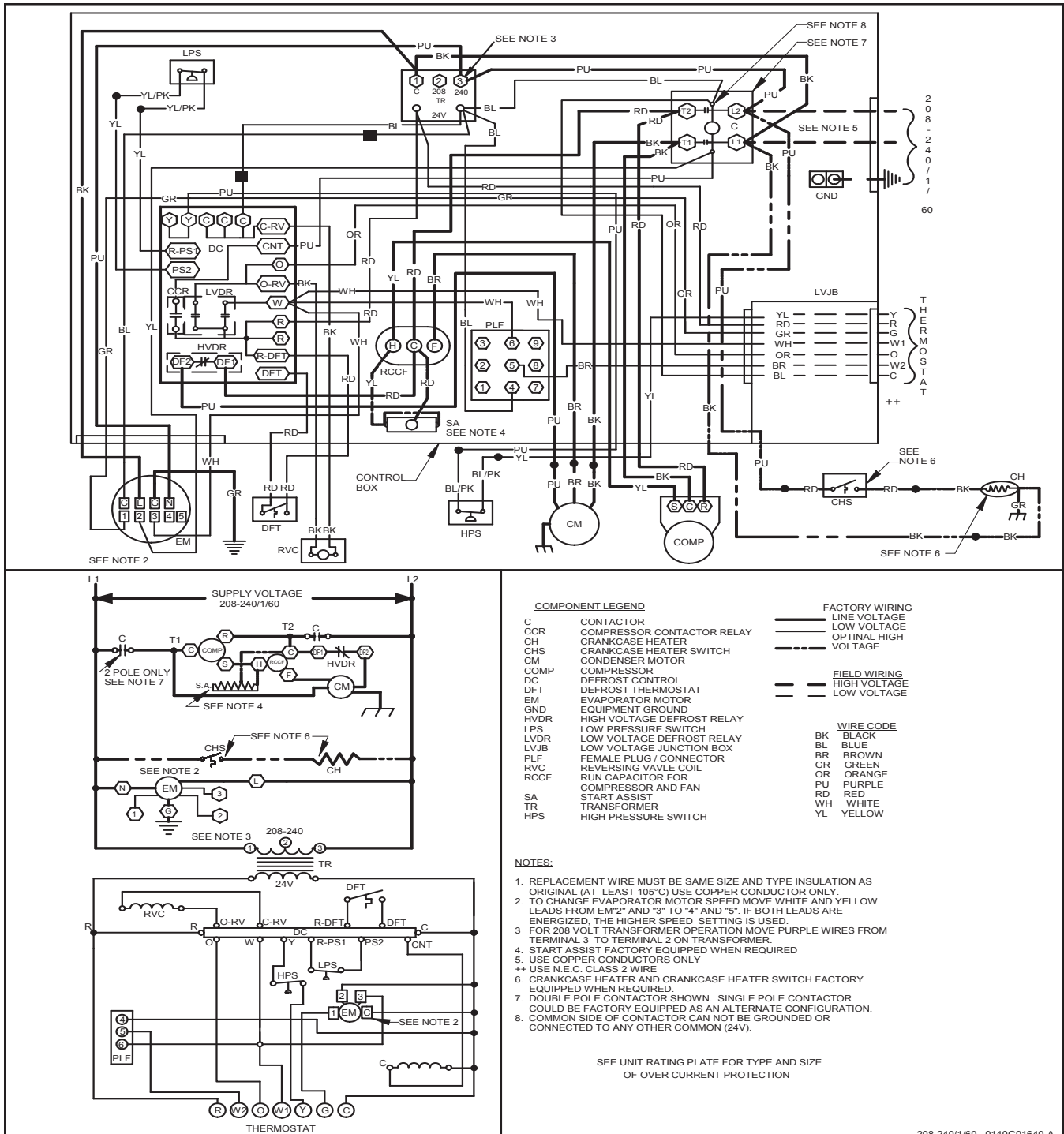
SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

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

WARNING

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

WIRING DIAGRAM — GPH1336,48-60M41C*



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



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.



ACCESSORIES

ACCESSORY DESCRIPTION	ITEM NUMBER	
	MEDIUM CHASSIS	LARGE CHASSIS
Concentric Kit	CDK36	CDK4872
Downflow Economizer	GPH13MED102	GPH13MED103
Downflow Internal Filter Rack	GPH13MFR102	GPH13MFR103
Downflow Manual Damper	PGMDD101/102	PGMDD103
Downflow Motorized Damper	PGMDMD101/102	PGMDMD103
Downflow Square to Round	SQRPG101/102	SQRPG103
External Horizontal Filter Rack	GPGHFR101-103	GPGHFR101-103
Horizontal Duct Cover	20464501PDGK	20464502PDGK
Horizontal Economizer	PEHH101/102	PEHH103
Horizontal manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRPGH101/102	SQRPGH103
Outdoor Thermostat & Emergency Heat Relay Kit	OT/EHR18-60	OT/EHR18-60
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	PGC101/102/103	PGC101/102/103

SINGLE-POINT KIT ACCESSORY KITS

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

MODEL	SINGLE-POINT KIT
GPH1324M41**	SPK-30
GPH1330M41**	SPK-35
GPH1336M41**	SPK-40
GPH1342M41**	SPK-40
GPH1348M41**	SPK-50
GPH1360M41**	SPK-60