



**COOLING CAPACITY:
24,000 - 59,000 BTU/H**

GPH13H 13 SEER

2- TO 5-TON PACKAGED HEAT PUMP

COOLING CAPACITY: 25,000 - 57,000 BTU/H

HEATING CAPACITY: 24,000 - 54,400 BTU/H



The KlimaIRE GPC13H 13 SEER Packaged Air Conditioner features energy-efficient cooling and heating performance in one self-contained unit. The GPC13H is housed in a heavy-gauge, galvanized-steel cabinet protected by a high quality, UV-resistant powder-paint finish. This unit allows for ground-level or rooftop applications, and is approved for manufactured or modular homes.

Standard Features

- Energy-efficient compressor with internal relief valve
- PSC blower motor; EEM blower motor on 5-ton units
- Quiet horizontal discharge
- Copper tube/aluminum fin coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged R-22 system
- 5 kW to 20 kW electric heat kit available as a field-installed option
- ARI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish
- Fully insulated blower compartment with convenient access panels
- Louvered condenser coil protection
- One footprint; three heights

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NOMENCLATURE

	G	P	H	13	36	H	2	1	A	*
	1	2	3	4,5	6,7	8	9	10	11	12
Brand	G Klimate									
Product Category	P Packaged Unit									
Type	H Heat Pump									
	C Air Conditioner									
Efficiency	13 13 SEER	15 15 SEER								
	14 14 SEER	16 16 SEER								
Nominal Capacity	24 2 Tons	42 3½ Tons								
	30 2½ tons	48 4 Tons								
	36 3 Tons	60 5 Tons								
Engineering										Minor Revision
Engineering										Major Revision
Voltage Designator										
										1 208-230/1/60
										3 208-230/3/60
										4 460/3/60
Refrigerant										
										2 R-22
										4 R-410A
Configuration										
										H Horizontal
										M Multi-position

ACCESSORIES

Item #	Description
PCCP101-103	Roof Curb for GPH- Electric/Electric Package Unit
PCP101-103	Downflow Plenum Kit for GPH- Package Unit
PCP101-103R8	Downflow Plenum Kit for GPH- Package Unit with R-8 Insulation
PCE101-103	Downflow Economizer for GPH- Package Unit to be used with PCP101-103
PCMD101-103	Manual Damper for GPH- Package Unit to be used with PCP101-103
PCMDM101-103	Motorized Damper for GPH- Package Unit to be used with PCP101-103
PCMDH101-103	Manual Damper for GPH- Package Unit Horizontal Applications
SQRPCH101	Square-to-Round Adapters for GPH- Package Unit 16" & 14"
SQRPCH102-103	Square-to-Round Adapters for GPH- Package Unit 18" & 14"
SQRPC101	Square-to-Round Adapter for GPH- Package Unit for use with PCCP101-103 Curb 16" Rounds
SQRPC102-103	Square-to-Round Adapter for GPH- Package Unit for use with PCCP101-103 Curb 18" Rounds
PCFR101-103	External Horizontal Filter Rack
PCEF101-103	Elbow & Flashing with R-8 Liner for GPH- Package Unit

The above accessories are offered by McDaniel Metals • Main: (281) 987-8400 • Fax: (281) 987-9494

SPECIFICATIONS

	GPH13 24H21A*	GPH13 30H21A*	GPH13 30H21AD	GPH13 36H21A/AB	GPH13 36H21AC
Cooling Capacity					
Total BTU/h	25,000	28,600	28,600	35,000	35,000
Sensible BTU/h	18,800	21,400	21,400	26,200	26,200
SEER / EER	13.0 / 10.8	13.0 / 10.8	13.0 / 10.8	13 / 11	13 / 11
Decibels	76	76	76	78	78
Heating Capacity					
BTU/h (47°F)	24,000	27,400	27,400	33,600	33,600
C.O.P. (47°F)	3.4	3.2	3.2	3.4	3.4
BTU/h (17°F)	13,600	15,800	15,800	18,000	18,000
C.O.P. (17°F)	2.1	2.1	2.1	2.1	2.1
HSPF	7.7	7.7	7.7	7.7	7.7
Evaporator Motor					
Type	DD	DD	DD	DD	DD
Wheel (D x W)	9 x 6	9 x 6	9 x 6	9 x 8	9 x 8
Nominal Cooling CFM	815	1,080	1,080	1,205	1,205
RLA/LRA	1.5 / 2.2	2.4 / 3.2	2.4 / 3.2	2.4 / 3.2	2.4 / 3.2
No. of Speeds	3	3	3	3	3
Horsepower - RPM	¼ - 1,075	⅓ - 1,075	⅓ - 1,075	⅓ - 1,075	⅓ - 1,075
Evaporator Coil					
Face Area (ft²)	4.6	4.6	4.6	6.2	6.2
Rows Deep/ Fins per Inch	3/14	3/14	3/14	3/14	3/14
Filter Size (ft²)	20 x 20 x 1	20 x 25 x 1	20 x 25 x 1	25 x 25 x 1	25 x 25 x 1
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	102	146	115	164	164
Condenser Fan / Coil					
Horsepower - RPM	1/6 - 840	1/6 - 840	1/6 - 840	¼ - 1,075	¼ - 830
RLA/LRA	1.1 / 1.7	1.1 / 1.7	1.1 / 1.7	1.6 / 2.9	1.6 / 3.0
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft²)	15.2	14.6	14.2	16.1	16.1
Rows Deep/ Fins per Inch	1 / 19	2 / 16	1 / 22	2 / 16	2 / 16
Electrical Data					
Voltage/Phase/ Frequency	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Compressor RLA/LRA	13.6 / 63	12.2 / 67	12.2 / 67	14.5 / 82	14.5 / 82
Indoor Blower FLA	1.5	2.4	2.4	2.4	2.4
Outdoor Fan RLA	1.1	1.1	1.1	1.4	1.5
Total Unit Amps	16.2	15.7	15.7	18.5	18.5
Min. Circuit Ampacity¹	19.6	18.7	18.7	22.1	22.1
Max. Overcurrent Device²	30	30	30	30	30
Ship Weight (lbs)	325	325	325	385	385

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.

PRODUCT SPECIFICATIONS

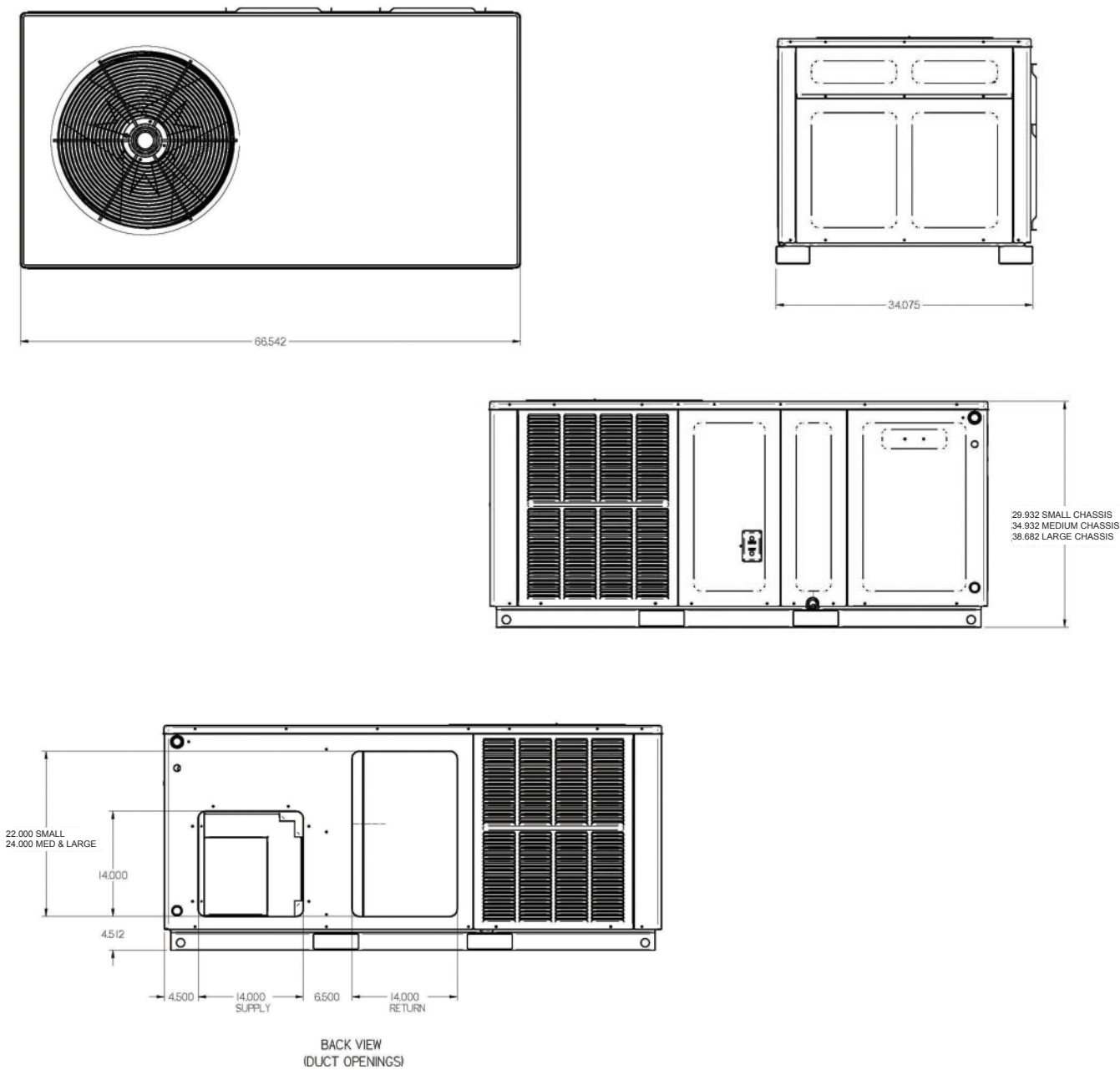
SPECIFICATIONS (CONT.)

	GPH13 36H21AD	GPH13 36H21AE	GPH13 42H21A*	GPH13 48H21A*	GPH13 60H21A*
Cooling Capacity					
Total BTU/h	35,000	35,000	41,000	46,400	57,600
Sensible BTU/h	26,200	26,200	30,800	34,800	43,200
SEER / EER	13 / 11	13 / 11	13.0 / 11.3	13.0 / 10.8	13.0 / 10.9
Decibels	78	78	78	80	80
Heating Capacity					
BTU/h (47°F)	33,600	33,600	38,000	45,000	54,400
C.O.P. (47°F)	3.4	3.4	3.6	3.3	3.4
BTU/h (17°F)	18,000	18,000	21,800	23,200	29,400
C.O.P. (17°F)	2.1	2.1	2.3	2.0	2.1
HSPF	7.7	7.7	7.8	7.7	7.7
Evaporator Motor					
Type	DD	DD	DD	DD	DD
Wheel (D x W)	9 x 8	9 x 8	10 x 8	10 x 8	11 x 8
Nominal Cooling CFM	1,205	1,205	1,410	1,585	1,985
RLA/LRA	2.4 / 3.2	2.4 / 3.2	3.9 / 4.9	3.9 / 4.9	6.0 / 8.0
No. of Speeds	3	3	3	3	3
Horsepower - RPM	1/3 - 1,075	1/3 - 1,075	1/2 - 1,075	1/2 - 1,075	3/4 - 1,075
Evaporator Coil					
Face Area (ft ²)	6.2	6.2	6.2	6.2	7.0
Rows Deep/ Fins per Inch	3/14	3/14	4/14	4/14	4/14
Filter Size (ft ²)	25 x 25 x 1	25 x 25 x 1	(2) 20 x 20 x 1	(2) 20 x 20 x 1	(2) 20 x 25 x 1
Drain Size (NPT)	3/4"	3/4"	3/4"	3/4"	3/4"
Refrigerant Charge (oz.)	164	145	175	235	245
Condenser Fan / Coil					
Horsepower - RPM	1/4 - 830	1/4 - 830	1/4 - 1,075	1/3 - 1,075	1/2 - 1,075
RLA/LRA	1.6 / 3.0	1.6 / 3.0	1.6 / 3.3	2.4 / 5.2	2.4 / 5.2
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 4	22 / 4
Face Area (ft ²)	16.1	17	17.2	19.1	19.1
Rows Deep/ Fins per Inch	2 / 16	1 / 22	2 / 16	2 / 16	2 / 16
Electrical Data					
Voltage/Phase/ Frequency	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Compressor RLA/LRA	14.5 / 82	14.5 / 82	16.5 / 95	20.4 / 109	25.0 / 148
Indoor Blower FLA	2.4	2.4	3.9	3.9	6.0
Outdoor Fan RLA	1.5	1.5	1.6	2.4	2.4
Total Unit Amps	18.5	18.5	22.0	26.7	33.4
Min. Circuit Ampacity ¹	22.1	22.1	26.1	31.9	39.8
Max. Overcurrent Protection ²	30	30	40	50	60
Ship Weight (lbs)	385	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.

DIMENSIONS



Model	Dimensions			Chassis Size		
	W"	D"	H"	Small	Medium	Large
GPH1324H21A*	66	33	30½	X		
GPH1330H21A*	66	33	30½	X		
GPH1336H21A*	66	33	35½		X	
GPH1342H21A*	66	33	35½		X	
GPH1348H21A*	66	33	38½			X
GPH1360H21A*	66	33	38½			X

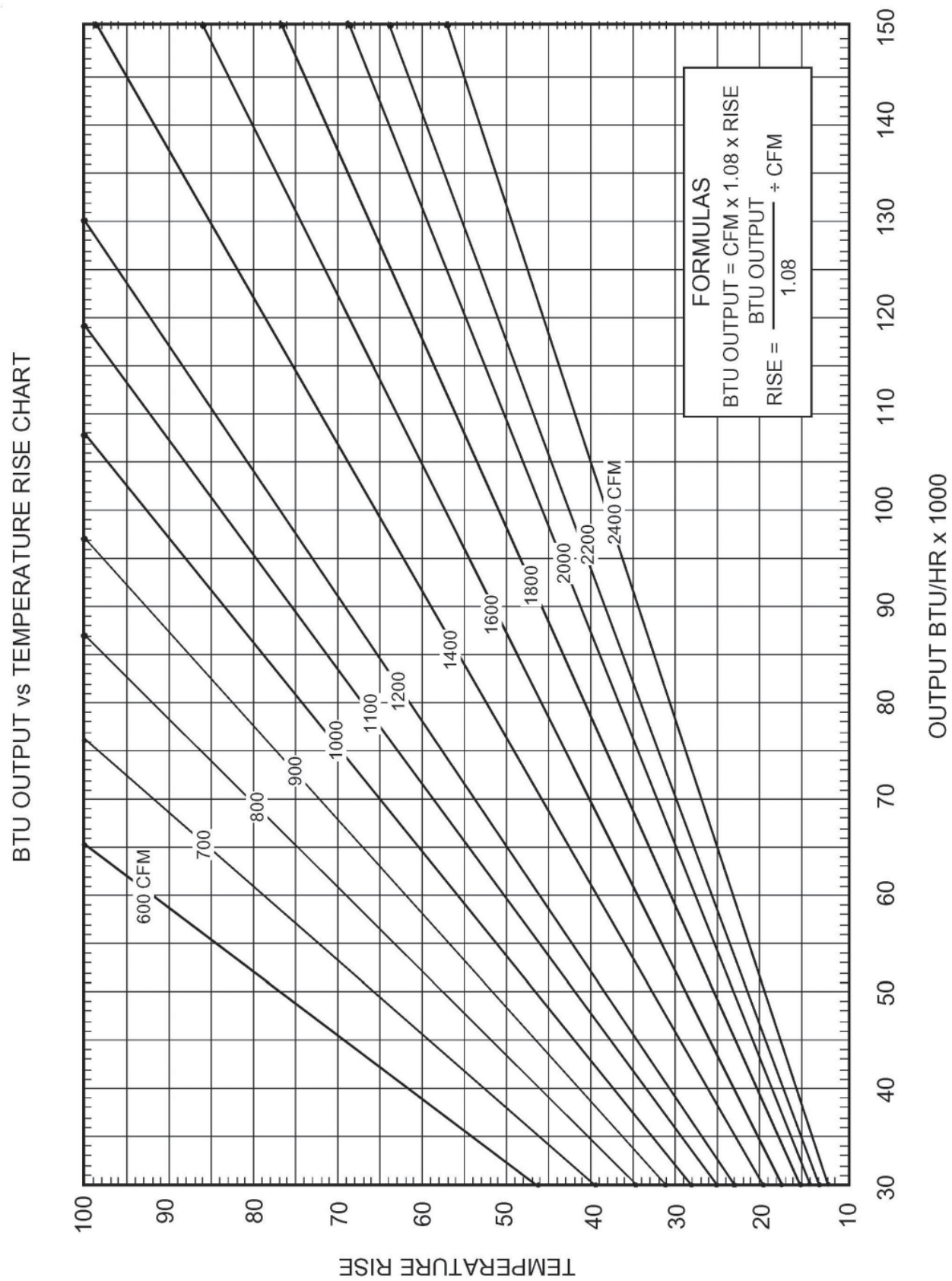
EVAPORATOR BLOWER SPECIFICATIONS

Model	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
GPH1324H21A*	Low	230	CFM	630	580	545	500	470	-	-	-
			Watts	155	150	145	140	135	-	-	-
	Med	230	CFM	865	815	770	720	670	610	555	-
			Watts	230	220	215	210	200	195	185	-
	High	230	CFM	1,190	1,130	1,060	990	935	845	770	680
			Watts	370	360	345	335	320	310	290	275
GPH1330H21A*	Low	230	CFM	1,150	1,080	1,025	975	925	845	-	-
			Watts	340	330	315	305	295	280	-	-
	Med	230	CFM	1,335	1,275	1,205	1,135	1,075	985	910	845
			Watts	425	415	400	385	370	350	330	310
	High	230	CFM	1,435	1,355	1,290	1,210	1,130	1,040	960	885
			Watts	485	465	455	435	415	400	385	370
GPH1336H21A*	Low	230	CFM	1,180	1,125	1,075	1,020	955	875	655	-
			Watts	335	325	315	305	295	275	240	-
	Med	230	CFM	1,350	1,280	1,205	1,130	1,050	985	910	845
			Watts	435	420	405	385	375	350	330	310
	High	230	CFM	1,450	1,370	1,290	1,205	1,130	1,040	960	885
			Watts	495	480	465	440	425	400	385	370
GPH1342H21A*	Low	230	CFM	1,425	1,410	1,355	1,310	1,245	1,170	1,080	-
			Watts	450	445	430	420	405	390	370	-
	Med	230	CFM	1,620	1,595	1,545	1,485	1,425	1,345	1,250	1,160
			Watts	550	540	525	510	495	475	450	425
	High	230	CFM	1,945	1,935	1,875	1,800	1,730	1,635	1,535	1,440
			Watts	765	755	735	715	695	670	640	615
GPH1348H21A*	Low	230	CFM	1,425	1,410	1,355	1,310	1,245	1,170	1,080	-
			Watts	450	445	430	420	405	390	370	-
	Med	230	CFM	1,720	1,660	1,585	1,520	1,460	1,365	1,270	-
			Watts	560	555	540	530	520	490	470	-
	High	230	CFM	2,110	2,060	1,980	1,895	1,795	1,705	1,590	1,500
			Watts	785	780	765	745	720	705	665	625
GPH1360H21A*	Low	230	CFM	1,860	1,800	1,745	1,695	1,650	1,600	1,555	1,500
			Watts	410	425	440	455	470	480	495	500
	Med	230	CFM	1,990	1,945	1,885	1,835	1,785	1,740	1,695	1,645
			Watts	510	520	530	545	555	570	585	590
	High	230	CFM	2,100	2,045	1,985	1,945	1,895	1,850	1,800	1,750
			Watts	595	610	620	630	645	660	670	680

Notes:

- Data shown is dry coil; wet coil pressure drop is approximate.
- 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.

EVAPORATOR BLOWER SPECIFICATIONS (CONT.)



COOLING DATA SUMMARY

GPB1342H21A*

Indoor Air		Condenser Air Temperature														
SCFM	WB	75			85			95			105			115		
		Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts
		MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH
1162	72	47.6	23.1	3.21	45.5	22.2	3.38	43.1	21.3	3.52	40.6	20.3	3.69	38.1	19.4	3.86
	67	43.5	28.6	3.01	41.4	27.7	3.14	39.4	26.8	3.31	36.9	25.9	3.49	34.4	25.9	3.66
	62	40.2	33.9	2.80	38.1	33.0	2.97	37.1	32.0	3.14	36.1	31.1	3.31	34.0	29.9	3.45
	57	38.5	36.7	2.73	36.9	35.1	2.90	35.3	33.6	3.08	33.2	31.7	3.28	31.6	29.9	3.42
1367	72	49.6	25.6	3.31	47.2	24.6	3.45	44.7	23.7	3.62	42.2	23.1	3.79	39.4	21.9	3.96
	67	45.5	32.6	3.11	43.5	31.7	3.25	41.0	30.8	3.42	38.5	29.9	3.59	36.1	29.0	3.76
	62	42.2	39.1	2.94	40.2	37.9	3.08	38.1	36.3	3.25	36.5	34.5	3.42	34.4	32.6	3.62
	57	41.8	39.7	2.90	39.8	38.2	3.08	38.1	36.3	3.25	36.5	34.5	3.42	34.4	32.6	3.62
1572	72	50.8	27.7	3.38	48.4	26.8	3.52	45.9	25.9	3.69	43.1	24.9	3.86	40.6	24.3	4.03
	67	47.2	36.0	3.18	44.7	35.4	3.31	42.2	34.5	3.49	39.8	33.3	3.66	37.3	32.3	3.83
	62	44.3	42.2	3.04	42.6	40.3	3.21	40.2	38.5	3.38	38.5	36.7	3.55	36.1	34.5	3.76
	57	44.3	42.2	3.04	42.6	40.3	3.21	40.2	38.5	3.38	38.5	36.7	3.55	36.1	34.5	3.76

Sensible heat capacities shown are based on 80°F DB entering air at the evaporator coil.

For sensible heat capacities at other than 80°F DB, deduct 84 BTU/h per 100 CFM of evaporator coil air for each degree below 80°F, or add 84 BTU/h per 100 CFM of evaporator coil air per degree above 80°F.

Capacities at 95°F Outdoor; 75°F DB and 63°F WB Indoor

TOTAL MBTU/h 38.7 SENSIBLE MBTU/h 29.5 LATENT MBTU/h 9.2

GPB1348H21A*

Indoor Air		Condenser Air Temperature														
SCFM	WB	75			85			95			105			115		
		Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts
		MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH
1315	72	53.8	26.1	3.63	51.5	25.1	3.83	48.7	24.0	3.98	45.9	23.0	4.18	43.2	21.9	4.37
	67	49.2	32.4	3.40	46.9	31.3	3.56	44.5	30.3	3.75	41.8	29.2	3.94	39.0	29.2	4.14
	62	45.5	38.3	3.17	43.2	37.2	3.36	42.0	36.2	3.56	40.8	35.1	3.75	38.5	33.8	3.91
	57	43.6	41.4	3.09	41.8	39.7	3.29	39.9	37.9	3.48	37.6	35.8	3.71	35.7	33.8	3.87
1547	72	56.1	28.9	3.75	53.4	27.8	3.91	50.6	26.8	4.10	47.8	26.1	4.29	44.5	24.7	4.49
	67	51.5	36.9	3.52	49.2	35.8	3.67	46.4	34.8	3.87	43.6	33.8	4.06	40.8	32.7	4.25
	62	47.8	44.2	3.33	45.5	42.8	3.48	43.2	41.1	3.67	41.3	39.0	3.87	39.0	36.9	4.10
	57	47.3	44.9	3.29	45.0	43.2	3.48	43.2	41.1	3.67	41.3	39.0	3.87	39.0	36.9	4.10
1779	72	57.5	31.3	3.83	54.8	30.3	3.98	52.0	29.2	4.18	48.7	28.2	4.37	45.9	27.5	4.56
	67	53.4	40.7	3.60	50.6	40.0	3.75	47.8	39.0	3.94	45.0	37.6	4.14	42.2	36.5	4.33
	62	50.1	47.7	3.44	48.3	45.6	3.63	45.5	43.5	3.83	43.6	41.4	4.02	40.8	39.0	4.25
	57	50.1	47.7	3.44	48.3	45.6	3.63	45.5	43.5	3.83	43.6	41.4	4.02	40.8	39.0	4.25

Capacities at 95°F Outdoor; 75°F DB and 63°F WB Indoor

TOTAL MBTU/h 43.8 SENSIBLE MBTU/h 33.3 LATENT MBTU/h 10.5

GPB1360H21A*

Indoor Air		Condenser Air Temperature														
SCFM	WB	75			85			95			105			115		
		Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts
		MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH
1632	72	66.8	32.4	4.51	63.9	31.1	4.75	60.5	29.8	4.94	57.0	28.5	5.18	53.6	27.2	5.42
	67	61.1	40.2	4.22	58.2	38.9	4.42	55.3	37.6	4.66	51.8	36.3	4.90	48.4	36.3	5.14
	62	56.4	47.5	3.94	53.6	46.2	4.18	52.1	44.9	4.42	50.7	43.6	4.66	47.8	41.9	4.85
	57	54.1	51.4	3.84	51.8	49.2	4.08	49.5	47.1	4.32	46.7	44.5	4.61	44.4	41.9	4.80
1920	72	69.7	35.9	4.66	66.2	34.6	4.85	62.8	33.3	5.09	59.3	32.4	5.33	55.3	30.7	5.57
	67	63.9	45.8	4.37	61.1	44.5	4.56	57.6	43.2	4.80	54.1	41.9	5.04	50.7	40.6	5.28
	62	59.3	54.9	4.13	56.4	53.1	4.32	53.6	51.0	4.56	51.3	48.4	4.80	48.4	45.8	5.09
	57	58.8	55.7	4.08	55.9	53.6	4.32	53.6	51.0	4.56	51.3	48.4	4.80	48.4	45.8	5.09
2208	72	71.4	38.9	4.75	68.0	37.6	4.94	64.5	36.3	5.18	60.5	35.0	5.42	57.0	34.1	5.66
	67	66.2	50.5	4.46	62.8	49.7	4.66	59.3	48.4	4.90	55.9	46.7	5.14	52.4	45.4	5.38
	62	62.2	59.2	4.27	59.9	56.6	4.51	56.4	54.0	4.75	54.1	51.4	4.99	50.7	48.4	5.28
	57	62.2	59.2	4.27	59.9	56.6	4.51	56.4	54.0	4.75	54.1	51.4	4.99	50.7	48.4	5.28

Capacities at 95°F Outdoor; 75°F DB and 63°F WB Indoor

TOTAL MBTU/h 54.4 SENSIBLE MBTU/h 41.4 LATENT MBTU/h 13.0

COOLING DATA SUMMARY (CONT.)

GPB1324H21A*

Indoor Air		Condenser Air Temperature														
SCFM	WB	75			85			95			105			115		
		Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts
		MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH
708	72	29.0	14.1	1.96	27.8	13.5	2.06	26.3	13.0	2.15	24.8	12.4	2.25	23.3	11.8	2.35
	67	26.5	17.5	1.83	25.3	16.9	1.92	24.0	16.4	2.02	22.5	15.8	2.13	21.0	15.8	2.23
	62	24.5	20.7	1.71	23.3	20.1	1.81	22.6	19.6	1.92	22.0	19.0	2.02	20.8	18.2	2.10
	57	23.5	22.4	1.67	22.5	21.4	1.77	21.5	20.5	1.88	20.3	19.4	2.00	19.3	18.2	2.08
833	72	30.3	15.6	2.02	28.8	15.0	2.10	27.3	14.5	2.21	25.8	14.1	2.31	24.0	13.3	2.42
	67	27.8	19.9	1.90	26.5	19.4	1.98	25.0	18.8	2.08	23.5	18.2	2.19	22.0	17.7	2.29
	62	25.8	23.9	1.79	24.5	23.1	1.88	23.3	22.2	1.98	22.3	21.1	2.08	21.0	19.9	2.21
	57	25.5	24.3	1.77	24.3	23.3	1.88	23.3	22.2	1.98	22.3	21.1	2.08	21.0	19.9	2.21
958	72	31.0	16.9	2.06	29.5	16.4	2.15	28.0	15.8	2.25	26.3	15.2	2.35	24.8	14.9	2.46
	67	28.8	22.0	1.94	27.3	21.6	2.02	25.8	21.1	2.13	24.3	20.3	2.23	22.8	19.7	2.33
	62	27.0	25.8	1.85	26.0	24.6	1.96	24.5	23.5	2.06	23.5	22.4	2.17	22.0	21.1	2.29
	57	27.0	25.8	1.85	26.0	24.6	1.96	24.5	23.5	2.06	23.5	22.4	2.17	22.0	21.1	2.29

Sensible heat capacities shown are based on 80°F DB entering air at the evaporator coil.

For sensible heat capacities at other than 80°F DB, deduct 84 BTU/h per 100 CFM of evaporator coil air for each degree below 80°F, or add 84 BTU/h per 100 CFM of evaporator coil air per degree above 80°F.

Capacities at 95°F Outdoor; 75°F DB and 63°F WB Indoor

TOTAL MBTU/h 23.6 SENSIBLE MBTU/h 18.0 LATENT MBTU/h 5.6

GPB1330H21A*

Indoor Air		Condenser Air Temperature														
SCFM	WB	75			85			95			105			115		
		Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts
		MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH
810	72	33.2	16.1	2.24	31.7	15.4	2.36	30.0	14.8	2.45	28.3	14.1	2.57	26.6	13.5	2.69
	67	30.3	19.9	2.10	28.9	19.3	2.19	27.5	18.6	2.31	25.7	18.0	2.43	24.0	18.0	2.55
	62	28.0	23.5	1.95	26.6	22.9	2.07	25.9	22.3	2.19	25.2	21.6	2.31	23.7	20.8	2.41
	57	26.9	25.5	1.91	25.7	24.4	2.03	24.6	23.3	2.15	23.2	22.0	2.29	22.0	20.8	2.38
953	72	34.6	17.8	2.31	32.9	17.1	2.41	31.2	16.5	2.53	29.5	16.1	2.65	27.5	15.2	2.76
	67	31.7	22.7	2.17	30.3	22.0	2.26	28.6	21.4	2.38	26.9	20.8	2.50	25.2	20.1	2.62
	62	29.5	27.2	2.05	28.0	26.3	2.15	26.6	25.3	2.26	25.5	24.0	2.38	24.0	22.7	2.53
	57	29.2	27.6	2.03	27.7	26.5	2.15	26.6	25.3	2.26	25.5	24.0	2.38	24.0	22.7	2.53
1096	72	35.5	19.3	2.36	33.7	18.6	2.45	32.0	18.0	2.57	30.0	17.3	2.69	28.3	16.9	2.81
	67	32.9	25.0	2.22	31.2	24.6	2.31	29.5	24.0	2.43	27.7	23.1	2.55	26.0	22.5	2.67
	62	30.9	29.3	2.12	29.7	28.0	2.24	28.0	26.8	2.36	26.9	25.5	2.48	25.2	24.0	2.62
	57	30.9	29.3	2.12	29.7	28.0	2.24	28.0	26.8	2.36	26.9	25.5	2.48	25.2	24.0	2.62

Capacities at 95°F Outdoor; 75°F DB and 63°F WB Indoor

TOTAL MBTU/h 27.0 SENSIBLE MBTU/h 20.5 LATENT MBTU/h 6.5

GPB1336H21A*

Indoor Air		Condenser Air Temperature														
SCFM	WB	75			85			95			105			115		
		Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts
		MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH	MBTU/h	MBTU/h	KWH
992	72	40.6	19.7	2.74	38.9	18.9	2.89	36.8	18.1	3.00	34.7	17.3	3.15	32.6	16.5	3.30
	67	37.1	24.4	2.57	35.4	23.6	2.68	33.6	22.8	2.83	31.5	22.0	2.98	29.4	22.0	3.12
	62	34.3	28.8	2.39	32.6	28.0	2.54	31.7	27.2	2.68	30.8	26.5	2.83	29.1	25.4	2.95
	57	32.9	31.2	2.33	31.5	29.9	2.48	30.1	28.6	2.63	28.4	27.0	2.80	27.0	25.4	2.92
1167	72	42.4	21.7	2.83	40.3	21.0	2.95	38.2	20.2	3.09	36.1	19.7	3.24	33.6	18.6	3.38
	67	38.9	27.8	2.65	37.1	27.0	2.77	35.0	26.2	2.92	32.9	25.4	3.06	30.8	24.6	3.21
	62	36.1	33.3	2.51	34.3	32.2	2.63	32.6	30.9	2.77	31.2	29.3	2.92	29.4	27.8	3.09
	57	35.7	33.8	2.48	34.0	32.5	2.63	32.6	30.9	2.77	31.2	29.3	2.92	29.4	27.8	3.09
1342	72	43.4	23.6	2.89	41.3	22.8	3.00	39.2	22.0	3.15	36.8	21.2	3.30	34.7	20.7	3.44
	67	40.3	30.7	2.71	38.2	30.1	2.83	36.1	29.3	2.98	34.0	28.3	3.12	31.9	27.5	3.27
	62	37.8	35.9	2.60	36.4	34.3	2.74	34.3	32.8	2.89	32.9	31.2	3.03	30.8	29.3	3.21
	57	37.8	35.9	2.60	36.4	34.3	2.74	34.3	32.8	2.89	32.9	31.2	3.03	30.8	29.3	3.21

Capacities at 95°F Outdoor; 75°F DB and 63°F WB Indoor

TOTAL MBTU/h 33.0 SENSIBLE MBTU/h 25.1 LATENT MBTU/h 8.0

EXPANDED COOLING DATA — GPH1324H21*

		Outdoor Ambient Temperature																		105°F						115°F					
		65°F						75°F						85°F																	
		Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
70	956	MBh	24.5	25.4	27.8	-	23.9	24.8	27.2	-	23.4	24.2	26.5	-	22.8	23.6	25.9	-	21.6	22.4	24.6	-	20.1	20.8	22.8	-					
		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	-	0.86	0.72	0.50	-					
		ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-					
		kW	1.86	1.90	1.95	-	2.00	2.04	2.10	-	2.12	2.16	2.23	-	2.23	2.27	2.35	-	2.32	2.37	2.44	-	2.40	2.45	2.53	-					
		Amps	6.6	6.7	7.0	-	7.1	7.3	7.5	-	7.8	7.9	8.2	-	8.3	8.5	8.8	-	8.8	9.1	9.4	-	9.4	9.6	9.9	-					
		Hi PR	153	164	174	-	171	185	195	-	195	210	222	-	222	239	252	-	250	269	284	-	276	297	314	-					
70	850	Lo PR	65	69	76	-	69	73	80	-	71	76	83	-	75	80	87	-	79	84	91	-	81	86	94	-					
		MBh	23.8	24.7	27.0	-	23.2	24.1	26.4	-	22.7	23.5	25.8	-	22.1	22.9	25.1	-	21.0	21.8	23.9	-	19.5	20.2	22.1	-					
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-					
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-					
		kW	1.84	1.88	1.94	-	1.98	2.02	2.09	-	2.10	2.15	2.21	-	2.21	2.26	2.33	-	2.30	2.35	2.42	-	2.38	2.43	2.51	-					
		Amps	6.5	6.7	6.9	-	7.1	7.2	7.5	-	7.7	7.9	8.1	-	8.2	8.4	8.7	-	8.8	9.0	9.3	-	9.3	9.5	9.8	-					
744	744	Hi PR	151	163	172	-	170	183	193	-	193	208	219	-	220	237	250	-	247	266	281	-	273	294	311	-					
		Lo PR	64	68	75	-	68	72	79	-	71	75	82	-	74	79	86	-	78	83	90	-	80	86	93	-					
		MBh	22.0	22.8	24.9	-	21.4	22.2	24.3	-	20.9	21.7	23.8	-	20.4	21.2	23.2	-	19.4	20.1	22.0	-	18.0	18.6	20.4	-					
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-					
		ΔT	19	16	12	-	19	16	13	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-					
		kW	1.80	1.84	1.89	-	1.94	1.98	2.04	-	2.05	2.10	2.16	-	2.16	2.20	2.27	-	2.24	2.29	2.36	-	2.32	2.37	2.44	-					
		Amps	6.3	6.5	6.7	-	6.9	7.0	7.3	-	7.5	7.7	7.9	-	8.0	8.2	8.5	-	8.5	8.7	9.0	-	9.0	9.2	9.6	-					
		Hi PR	147	158	167	-	165	177	187	-	187	202	213	-	213	230	242	-	240	258	273	-	265	285	301	-					
		Lo PR	62	66	73	-	66	70	77	-	69	73	80	-	72	77	84	-	75	80	88	-	78	83	91	-					

	Outdoor Ambient Temperature																																115°F												115°F																	
																																	65°F						75°F						85°F						95°F						105°F					
																																	Entering Indoor Wet Bulb Temperature																													
	IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																												
956	MBh	24.9	25.7	27.8	29.8	24.3	25.1	27.1	29.1	23.8	24.5	26.5	28.4	23.2	23.9	25.8	27.7	22.0	22.7	24.5	26.3	20.4	21.0	22.7	24.4	19.8	20.4	22.1	23.7	18.3	18.8	20.4	21.9																													
	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	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43	0.98	0.88	0.67	0.43	0.98	0.88	0.67	0.43																													
	ΔT	21	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10	19	18	15	10	19	18	15	10																													
	kW	1.87	1.91	1.97	2.03	2.01	2.05	2.12	2.19	2.14	2.18	2.25	2.32	2.24	2.29	2.37	2.44	2.34	2.39	2.46	2.55	2.42	2.47	2.55	2.63	2.42	2.47	2.55	2.63	2.42	2.47	2.55	2.63																													
	Amps	6.6	6.8	7.0	7.3	7.2	7.4	7.6	7.9	7.8	8.0	8.3	8.6	8.4	8.6	8.9	9.2	8.9	9.1	9.5	9.8	9.5	9.7	10.0	10.4	9.5	9.7	10.0	10.4	9.5	9.7	10.0	10.4																													
	Hi PR	154	166	175	183	173	186	197	205	197	212	224	233	224	241	255	266	252	272	287	299	279	300	317	331	279	300	317	331	279	300	317	331																													
850	Lo PR	66	70	76	81	69	74	81	86	72	77	84	89	76	81	88	94	79	84	92	98	82	87	95	102	82	87	95	102	82	87	95	102																													
	MBh	24.2	24.9	27.0	28.9	23.6	24.3	26.3	28.3	23.1	23.7	25.7	27.6	22.5	23.2	25.1	26.9	21.4	22.0	23.8	25.6	19.8	20.4	22.1	23.7	19.8	20.4	22.1	23.7	18.3	18.8	20.4	21.9																													
	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	0.40	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41																													
	ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	18	15	10	20	18	15	10	20	18	15	10																													
	kW	1.86	1.90	1.96	2.02	2.00	2.04	2.10	2.17	2.12	2.16	2.23	2.30	2.23	2.27	2.35	2.42	2.32	2.37	2.44	2.52	2.40	2.45	2.53	2.61	2.40	2.45	2.53	2.61	2.40	2.45	2.53	2.61																													
	Amps	6.6	6.7	7.0	7.2	7.1	7.3	7.5	7.8	7.8	7.9	8.2	8.5	8.3	8.5	8.8	9.1	8.8	9.1	9.4	9.7	9.4	9.6	9.9	10.3	9.4	9.6	9.9	10.3	9.4	9.6	9.9	10.3																													
744	Hi PR	153	164	174	181	172	185	195	203	195	210	222	231	222	239	252	263	250	269	284	296	276	297	314	327	276	297	314	327	276	297	314	327																													
	Lo PR	65	69	76	80	69	73	80	85	71	76	83	88	75	80	87	93	79	84	91	97	81	87	94	101	81	87	94	101	81	87	94	101																													
	MBh	22.3	23.0	24.9	26.7	21.8	22.5	24.3	26.1	21.3	21.9	23.7	25.5	20.8	21.4	23.1	24.8	19.7	20.3	22.0	23.6	18.3	18.8	20.4	21.9	18.3	18.8	20.4	21.9	18.3	18.8	20.4	21.9																													
	S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39																													
744	ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11	20	19	15	11	20	19	15	11																													
	kW	1.82	1.85	1.91	1.97	1.95	1.99	2.05	2.12	2.07	2.11	2.18	2.25	2.17	2.22	2.29	2.36	2.26	2.31	2.38	2.46	2.34	2.39	2.47	2.55	2.34	2.39	2.47	2.55	2.34	2.39	2.47	2.55																													
	Amps	6.4	6.6	6.8	7.0	6.9	7.1	7.3	7.6	7.5	7.7	8.0	8.3	8.1	8.3	8.5	8.9	8.6	8.8	9.1	9.4	9.1	9.3	9.6	10.0	9.1	9.3	9.6	10.0	9.1	9.3	9.6	10.0																													
	Hi PR	148	160	168	176	166	179	189	197	189	204	215	224	215	232	245	255	242	261	275	287	268	288	304	317	268	288	304	317	268	288	304	317																													
	Lo PR	63	67	73	78	67	71	77	82	69	74	80	86	73	77	85	90	76	81	89	94	79	84	92	98	79	84	92	98	79	84	92	98																													

EXPANDED COOLING DATA — GPH1324H21* (CONT.)

		Outdoor Ambient Temperature																																															
		65°F								75°F								85°F								95°F								105°F								115°F							
		Entering Indoor Wet Bulb Temperature																																															
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																
956	MBh	25.4	25.9	27.7	29.6	24.8	25.3	27.0	28.9	24.2	24.7	26.4	28.2	23.6	24.1	25.8	27.5	22.4	22.9	24.5	26.2	20.8	21.2	22.7	24.2	20.8	21.2	22.7	24.2	20.8	21.2	22.7	24.2																
	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	0.61	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62																
	ΔT	23	22	19	15	24	22	19	15	23	22	19	15	23	22	19	16	22	22	19	15	20	20	18	14	20	20	18	14	20	20	18	14																
	kW	1.89	1.93	1.99	2.05	2.03	2.07	2.14	2.20	2.15	2.20	2.27	2.34	2.26	2.31	2.39	2.46	2.36	2.41	2.48	2.57	2.44	2.49	2.57	2.66	2.44	2.49	2.57	2.66	2.44	2.49	2.57	2.66																
	Amps	6.7	6.9	7.1	7.4	7.3	7.4	7.7	8.0	7.9	8.1	8.4	8.7	8.5	8.7	9.0	9.3	9.0	9.2	9.5	9.9	9.5	9.8	10.1	10.5	9.5	9.8	10.1	10.5	9.5	9.8	10.1	10.5																
	Hi PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	258	269	255	274	290	302	282	303	320	334	282	303	320	334	282	303	320	334																
850	Lo PR	66	71	77	82	70	75	81	87	73	78	85	90	77	81	89	95	80	85	93	99	83	88	96	103	83	88	96	103	83	88	96	103																
	MBh	24.6	25.2	26.9	28.7	24.0	24.6	26.3	28.1	23.5	24.0	25.6	27.4	22.9	23.4	25.0	26.7	21.8	22.2	23.8	25.4	20.2	20.6	22.0	23.5	20.2	20.6	22.0	23.5	20.2	20.6	22.0	23.5																
	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	0.96	0.78	0.59	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59																
	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	22	21	19	15	22	21	19	15																
	kW	1.87	1.91	1.97	2.03	2.01	2.06	2.12	2.19	2.14	2.18	2.25	2.32	2.24	2.29	2.37	2.44	2.34	2.39	2.46	2.55	2.42	2.47	2.55	2.63	2.42	2.47	2.55	2.63	2.42	2.47	2.55	2.63																
	Amps	6.6	6.8	7.0	7.3	7.2	7.4	7.6	7.9	7.8	8.0	8.3	8.6	8.4	8.6	8.9	9.2	8.9	9.1	9.5	9.8	9.5	9.7	10.0	10.4	9.5	9.7	10.0	10.4	9.5	9.7	10.0	10.4																
744	Hi PR	154	166	175	183	173	186	197	205	197	212	224	234	224	241	255	266	252	272	287	299	279	300	317	331	279	300	317	331	279	300	317	331																
	Lo PR	66	70	76	81	69	74	81	86	72	77	84	89	76	81	88	94	79	84	92	98	82	87	95	102	82	87	95	102	82	87	95	102																
	MBh	22.7	23.2	24.8	26.5	22.2	22.7	24.2	25.9	21.7	22.1	23.7	25.3	21.1	21.6	23.1	24.7	20.1	20.5	21.9	23.4	18.6	19.0	20.3	21.7	18.6	19.0	20.3	21.7	18.6	19.0	20.3	21.7																
	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	0.99	0.93	0.76	0.57	0.99	0.93	0.76	0.57	0.99	0.93	0.76	0.57																
	ΔT	24	23	20	16	25	24	20	16	25	24	20	16	25	24	21	16	24	23	20	16	23	22	19	15	23	22	19	15	23	22	19	15																
	kW	1.83	1.87	1.92	1.98	1.97	2.01	2.07	2.13	2.08	2.13	2.20	2.27	2.19	2.24	2.31	2.38	2.28	2.33	2.40	2.48	2.36	2.41	2.49	2.57	2.36	2.41	2.49	2.57	2.36	2.41	2.49	2.57																
80	Amps	6.5	6.6	6.8	7.1	7.0	7.2	7.4	7.7	7.6	7.8	8.1	8.4	8.1	8.3	8.6	9.0	8.7	8.9	9.2	9.5	9.2	9.4	9.7	10.1	9.2	9.4	9.7	10.1	9.2	9.4	9.7	10.1																
	Hi PR	150	161	170	177	168	181	191	199	191	206	217	227	218	234	247	258	245	264	278	290	271	291	307	321	271	291	307	321	271	291	307	321																
	Lo PR	64	68	74	79	67	72	78	83	70	74	81	87	73	78	85	91	77	82	89	95	80	85	93	99	80	85	93	99	80	85	93	99																

956	MBh	25.8	26.3	27.5	29.4	25.2	25.7	26.9	28.7	24.6	25.1	26.3	28.0	24.0	24.5	25.6	27.3	22.8	23.2	24.3	26.0	21.1	21.5	22.5	24.1
	S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
	ΔT	24	24	23	20	24	24	23	20	24	24	23	20	23	24	23	20	22	22	23	20	20	21	21	18
	kW	1.90	1.94	2.00	2.06	2.04	2.09	2.15	2.22	2.17	2.22	2.29	2.36	2.28	2.33	2.40	2.48	2.37	2.43	2.51	2.59	2.46	2.51	2.59	2.68
	Amps	6.8	6.9	7.2	7.4	7.3	7.5	7.8	8.1	8.0	8.2	8.4	8.8	8.5	8.7	9.0	9.4	9.1	9.3	9.6	10.0	9.6	9.9	10.2	10.6
	Hi PR	157	169	179	187	177	190	201	209	201	216	228	238	229	246	260	271	258	277	293	305	285	306	323	337
	Lo PR	67	71	78	83	71	75	82	88	74	78	85	91	77	82	90	96	81	86	94	100	84	89	97	104
	MBh	25.0	25.5	26.7	28.5	24.5	24.9	26.1	27.9	23.9	24.3	25.5	27.2	23.3	23.8	24.9	26.5	22.1	22.6	23.6	25.2	20.5	20.9	21.9	23.4
	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	25	25	24	20	26	25	24	21	26	25	24	21	25	26	24	21	24	24	24	21	22	23	22	19
850	kW	1.89	1.93	1.99	2.05	2.03	2.07	2.14	2.20	2.15	2.20	2.27	2.34	2.26	2.31	2.39	2.46	2.36	2.41	2.48	2.57	2.44	2.49	2.57	2.66
	Amps	6.7	6.9	7.1	7.4	7.3	7.4	7.7	8.0	7.9	8.1	8.4	8.7	8.5	8.7	9.0	9.3	9.0	9.2	9.5	9.9	9.5	9.8	10.1	10.5
	Hi PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	258	269	255	274	290	302	282	303	320	334
	Lo PR	66	71	77	82	70	75	81	87	73	78	85	90	77	81	89	95	80	85	93	99	83	88	96	103
	MBh	23.1	23.6	24.7	26.3	22.6	23.0	24.1	25.7	22.0	22.5	23.5	25.1	21.5	21.9	23.0	24.5	20.4	20.8	21.8	23.3	18.9	19.3	20.2	21.6
	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	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
	ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	25	26	24	21	23	24	23	20
	kW	1.84	1.88	1.94	2.00	1.98	2.02	2.08	2.15	2.10	2.15	2.21	2.28	2.21	2.25	2.33	2.40	2.30	2.35	2.42	2.50	2.38	2.43	2.51	2.59
	Amps	6.5	6.7	6.9	7.2	7.1	7.2	7.5	7.8	7.7	7.9	8.1	8.4	8.2	8.4	8.7	9.0	8.7	9.0	9.3	9.6	9.3	9.5	9.8	10.2
	Hi PR	151	163	172	179	170	183	193	201	193	208	219	229	220	237	250	261	247	266	281	293	273	294	311	324
Lo PR	64	68	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	80	86	93	100	

EXPANDED COOLING DATA — GPH1330H21*

		Outdoor Ambient Temperature																																															
		65°F								75°F								85°F								95°F								105°F								115°F							
		Entering Indoor Wet Bulb Temperature																																															
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																				
70		MBh	28.0	29.0	31.8	-	27.4	28.4	31.1	-	26.7	27.7	30.3	-	26.1	27.0	29.6	-	24.8	25.7	28.1	-	22.9	23.8	26.1	-	22.9	23.8	26.1	-																			
		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	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-																			
	1181	ΔT	16	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	15	13	10	-	15	13	10	-																			
		kW	2.06	2.10	2.17	-	2.22	2.26	2.33	-	2.35	2.41	2.48	-	2.48	2.53	2.61	-	2.58	2.64	2.72	-	2.67	2.73	2.82	-	2.67	2.73	2.82	-																			
		Amps	7.5	7.7	8.0	-	8.2	8.4	8.6	-	8.9	9.1	9.4	-	9.5	9.7	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.4	-	10.7	11.0	11.4	-																			
		Hi PR	156	168	177	-	175	188	199	-	199	214	226	-	226	244	257	-	255	274	290	-	281	303	320	-	281	303	320	-																			
		Lo PR	64	68	75	-	68	72	79	-	71	75	82	-	74	79	86	-	78	83	90	-	80	86	93	-	80	86	93	-																			
		MBh	27.2	28.2	30.9	-	26.6	27.5	30.2	-	25.9	26.9	29.5	-	25.3	26.2	28.7	-	24.0	24.9	27.3	-	22.3	23.1	25.3	-	22.3	23.1	25.3	-																			
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-																			
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-	16	14	11	-																			
	1050	kW	2.04	2.08	2.15	-	2.20	2.24	2.32	-	2.33	2.39	2.46	-	2.46	2.51	2.59	-	2.56	2.62	2.70	-	2.65	2.71	2.80	-	2.65	2.71	2.80	-																			
Amps		7.5	7.6	7.9	-	8.1	8.3	8.6	-	8.8	9.0	9.3	-	9.4	9.6	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.3	-	10.6	10.9	11.3	-																				
Hi PR		154	166	175	-	173	186	197	-	197	212	224	-	224	241	255	-	252	271	287	-	279	300	317	-	279	300	317	-																				
Lo PR		64	68	74	-	67	72	78	-	70	74	81	-	73	78	85	-	77	82	89	-	80	85	92	-	80	85	92	-																				
		MBh	25.1	26.0	28.5	-	24.5	25.4	27.9	-	23.9	24.8	27.2	-	23.4	24.2	26.5	-	22.2	23.0	25.2	-	20.6	21.3	23.3	-	20.6	21.3	23.3	-																			
919		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-	0.80	0.66	0.46	-																			
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-	16	14	11	-																			
	kW	1.99	2.04	2.10	-	2.14	2.19	2.26	-	2.28	2.33	2.40	-	2.40	2.45	2.53	-	2.50	2.55	2.63	-	2.58	2.64	2.73	-	2.58	2.64	2.73	-																				
	Amps	7.3	7.4	7.7	-	7.9	8.0	8.3	-	8.5	8.8	9.1	-	9.1	9.4	9.7	-	9.7	10.0	10.3	-	10.3	10.6	11.0	-	10.3	10.6	11.0	-																				
	Hi PR	150	161	170	-	168	181	191	-	191	206	217	-	217	234	247	-	245	263	278	-	270	291	307	-	270	291	307	-																				
	Lo PR	62	66	72	-	65	69	76	-	68	72	79	-	71	76	83	-	75	79	87	-	77	82	90	-	77	82	90	-																				

1181	MBh	28.5	29.3	31.8	34.1	27.8	28.7	31.0	33.3	27.2	28.0	30.3	32.5	26.5	27.3	29.5	31.7	25.2	25.9	28.1	30.1	23.3	24.0	26.0	27.9
	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	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
	ΔT	19	17	14	10	19	18	15	10	19	18	15	10	19	18	15	10	19	18	14	10	18	16	13	9
	kW	2.07	2.12	2.18	2.25	2.23	2.28	2.35	2.43	2.37	2.43	2.50	2.59	2.50	2.55	2.64	2.72	2.60	2.66	2.75	2.84	2.69	2.75	2.84	2.94
	Amps	7.6	7.8	8.0	8.4	8.2	8.4	8.7	9.1	9.0	9.2	9.5	9.9	9.6	9.8	10.2	10.6	10.2	10.5	10.8	11.3	10.8	11.1	11.5	12.0
	Hi PR	157	169	179	187	177	190	201	209	201	216	228	238	229	246	260	271	257	277	292	305	284	306	323	337
	Lo PR	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	78	84	91	97	81	86	94	100
	MBh	27.7	28.5	30.8	33.1	27.0	27.8	30.1	32.3	26.4	27.2	29.4	31.6	25.7	26.5	28.7	30.8	24.5	25.2	27.3	29.2	22.7	23.3	25.2	27.1
	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	0.40	0.94	0.84	0.63	0.41
	ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	19	15	11	20	18	15	10	19	17	14	10
	1050	kW	2.06	2.10	2.17	2.24	2.22	2.26	2.34	2.41	2.35	2.41	2.48	2.57	2.48	2.53	2.61	2.70	2.58	2.64	2.73	2.82	2.67	2.73	2.82
Amps		7.5	7.7	8.0	8.3	8.2	8.4	8.6	9.0	8.9	9.1	9.4	9.8	9.5	9.7	10.1	10.5	10.1	10.4	10.7	11.2	10.7	11.0	11.4	11.8
Hi PR		156	168	177	185	175	188	199	207	199	214	226	236	227	244	257	268	255	274	290	302	282	303	320	334
Lo PR		64	68	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	80	86	93	99
MBh		25.5	26.3	28.5	30.5	24.9	25.7	27.8	29.8	24.4	25.1	27.1	29.1	23.8	24.5	26.5	28.4	22.6	23.2	25.2	27.0	20.9	21.5	23.3	25.0
S/T		0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
ΔT		20	19	15	10	20	19	15	11	20	19	15	11	21	19	15	11	20	19	15	11	19	17	14	10
kW		2.01	2.05	2.12	2.18	2.16	2.21	2.28	2.35	2.30	2.35	2.42	2.50	2.42	2.47	2.55	2.63	2.52	2.57	2.66	2.75	2.60	2.66	2.75	2.84
Amps		7.3	7.5	7.8	8.0	7.9	8.1	8.4	8.7	8.6	8.8	9.1	9.5	9.2	9.5	9.8	10.2	9.8	10.1	10.4	10.8	10.4	10.7	11.1	11.5
Hi PR		151	163	172	179	170	183	193	201	193	208	219	229	220	236	250	260	247	266	281	293	273	294	310	324
Lo PR		62	66	72	77	66	70	77	82	68	73	80	85	72	77	84	89	75	80	88	93	78	83	91	96

EXPANDED COOLING DATA — GPH1330H21* (CONT.)

		Outdoor Ambient Temperature																																															
		65°F								75°F								85°F								95°F								105°F								115°F							
		Entering Indoor Wet Bulb Temperature																																															
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																
80	1181	MBh	29.0	29.6	31.7	33.9	28.3	29.0	30.9	33.1	27.7	28.3	30.2	32.3	27.0	27.6	29.5	31.5	25.6	26.2	28.0	29.9	23.7	24.3	25.9	27.7	23.7	24.3	25.9	27.7	23.7	24.3	25.9	27.7															
		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	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62															
		ΔT	21	20	18	14	22	21	18	14	22	21	18	14	21	21	18	14	20	20	18	14	18	19	17	13	18	19	17	13	18	19	17	13															
		kW	2.09	2.14	2.20	2.27	2.25	2.30	2.37	2.45	2.39	2.45	2.52	2.61	2.52	2.57	2.66	2.75	2.62	2.68	2.77	2.86	2.72	2.78	2.87	2.97	2.72	2.78	2.87	2.97	2.72	2.78	2.87	2.97															
		Amps	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.3	9.6	10.0	9.7	9.9	10.3	10.7	10.3	10.6	10.9	11.4	11.0	11.2	11.6	12.1	11.0	11.2	11.6	12.1	11.0	11.2	11.6	12.1															
	Hi PR	159	171	181	188	178	192	203	211	203	218	231	240	231	249	263	274	260	280	295	308	287	309	326	340	287	309	326	340	287	309	326	340																
	Lo PR	66	70	76	81	69	74	80	86	72	77	84	89	76	80	88	94	79	84	92	98	82	87	95	101	82	87	95	101	82	87	95	101																
	MBh	28.2	28.8	30.7	32.9	27.5	28.1	30.0	32.1	26.9	27.4	29.3	31.3	26.2	26.8	28.7	30.6	24.9	25.4	27.2	29.0	23.1	23.6	25.2	26.9	23.1	23.6	25.2	26.9	23.1	23.6	25.2	26.9																
	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	0.96	0.78	0.59	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59																
	ΔT	22	21	18	15	22	21	19	15	22	21	19	15	23	22	19	15	22	21	19	15	20	20	17	14	20	20	17	14	20	20	17	14																
	1050	kW	2.07	2.12	2.19	2.25	2.23	2.28	2.35	2.43	2.37	2.43	2.50	2.59	2.50	2.55	2.64	2.72	2.60	2.66	2.75	2.84	2.69	2.75	2.85	2.94	2.69	2.75	2.85	2.94	2.69	2.75	2.85	2.94															
Amps		7.6	7.8	8.0	8.4	8.2	8.4	8.7	9.1	9.0	9.2	9.5	9.9	9.6	9.8	10.2	10.6	10.2	10.5	10.8	11.3	10.8	11.1	11.5	12.0	10.8	11.1	11.5	12.0	10.8	11.1	11.5	12.0																
Hi PR		157	169	179	187	177	190	201	209	201	216	228	238	229	246	260	271	257	277	293	305	284	306	323	337	284	306	323	337	284	306	323	337																
Lo PR		65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	79	84	91	97	81	86	94	100	81	86	94	100	81	86	94	100																
MBh		26.0	26.6	28.4	30.3	25.4	25.9	27.7	29.6	24.8	25.3	27.1	28.9	24.2	24.7	26.4	28.2	23.0	23.5	25.1	26.8	21.3	21.7	23.2	24.8	21.3	21.7	23.2	24.8	21.3	21.7	23.2	24.8																
919	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	0.99	0.93	0.76	0.57	0.99	0.93	0.76	0.57	0.99	0.93	0.76	0.57																
	ΔT	22	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14	21	20	18	14	21	20	18	14																
	kW	2.03	2.07	2.13	2.20	2.18	2.23	2.30	2.37	2.32	2.37	2.44	2.52	2.44	2.49	2.57	2.66	2.54	2.59	2.68	2.77	2.63	2.68	2.77	2.87	2.63	2.68	2.77	2.87	2.63	2.68	2.77	2.87																
	Amps	7.4	7.6	7.8	8.1	8.0	8.2	8.5	8.8	8.7	8.9	9.2	9.6	9.3	9.6	9.9	10.3	9.9	10.2	10.5	10.9	10.5	10.8	11.2	11.6	10.5	10.8	11.2	11.6	10.5	10.8	11.2	11.6																
	Hi PR	153	164	174	181	171	184	195	203	195	210	221	231	222	239	252	263	250	269	284	296	276	297	313	327	276	297	313	327	276	297	313	327																
Lo PR	63	67	73	78	67	71	77	82	69	74	80	86	73	77	84	90	76	81	88	94	79	84	91	97	79	84	91	97	79	84	91	97																	

1181	MBh	29.5	30.1	31.5	33.6	28.8	29.4	30.8	32.8	28.1	28.7	30.0	32.1	27.5	28.0	29.3	31.3	26.1	26.6	27.8	29.7	24.2	24.6	25.8	27.5
	S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
	ΔT	23	22	21	18	22	23	21	18	22	22	21	18	21	22	21	19	20	21	21	18	19	19	20	17
	kW	2.11	2.15	2.22	2.29	2.27	2.32	2.39	2.47	2.41	2.47	2.55	2.63	2.54	2.59	2.68	2.77	2.65	2.71	2.79	2.89	2.74	2.80	2.89	2.99
	Amps	7.7	7.9	8.2	8.5	8.4	8.6	8.9	9.2	9.1	9.4	9.7	10.1	9.8	10.0	10.4	10.8	10.4	10.7	11.0	11.5	11.1	11.3	11.7	12.2
	Hi PR	161	173	182	190	180	194	205	214	205	221	233	243	233	251	265	277	263	283	298	311	290	312	330	344
	Lo PR	66	70	77	82	70	74	81	87	73	77	84	90	76	81	89	95	80	85	93	99	83	88	96	102
	MBh	28.7	29.2	30.6	32.6	28.0	28.5	29.9	31.9	27.3	27.9	29.2	31.1	26.7	27.2	28.5	30.4	25.3	25.8	27.0	28.8	23.5	23.9	25.0	26.7
	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	24	23	22	19	24	23	22	19	24	23	22	19	23	24	22	19	22	23	22	19	21	21	21	18
	1050	kW	2.09	2.14	2.20	2.27	2.25	2.30	2.37	2.45	2.39	2.45	2.52	2.61	2.52	2.57	2.66	2.75	2.62	2.68	2.77	2.86	2.72	2.78	2.87
Amps		7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.3	9.6	10.0	9.7	9.9	10.3	10.7	10.3	10.6	10.9	11.4	11.0	11.2	11.6	12.1
Hi PR		159	171	181	188	178	192	203	211	203	218	231	240	231	249	263	274	260	280	295	308	287	309	326	340
Lo PR		66	70	76	81	69	74	80	86	72	77	84	89	76	80	88	94	79	84	92	98	82	87	95	101
MBh		26.4	27.0	28.2	30.1	25.8	26.3	27.6	29.4	25.2	25.7	26.9	28.7	24.6	25.1	26.3	28.0	23.4	23.8	25.0	26.6	21.7	22.1	23.1	24.7
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	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
ΔT		24	24	22	19	24	24	23	20	24	24	23	20	24	24	23	20	23	24	22	19	22	22	21	18
kW		2.04	2.08	2.15	2.22	2.20	2.24	2.32	2.39	2.33	2.39	2.46	2.54	2.46	2.51	2.59	2.68	2.56	2.62	2.70	2.79	2.65	2.71	2.80	2.89
Amps		7.5	7.6	7.9	8.2	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.7	9.4	9.6	10.0	10.4	10.0	10.3	10.6	11.0	10.6	10.9	11.3	11.7
Hi PR		154	166	175	183	173	186	197	205	197	212	224	233	224	241	255	266	252	271	287	299	279	300	317	330
Lo PR		64	68	74	79	67	72	78	83	70	74	81	86	73	78	85	91	77	82	89	95	80	85	92	98

EXPANDED COOLING DATA — GPH1336H21*

		Outdoor Ambient Temperature																Entering Indoor Wet Bulb Temperature							
		65°F								75°F								85°F							
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	MBh	34.3	35.5	38.9	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.9	33.1	36.2	-	30.3	31.4	34.4	-	28.1	29.1	31.9	-
	S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
	kW	2.35	2.40	2.48	-	2.54	2.59	2.68	-	2.70	2.76	2.86	-	2.85	2.91	3.01	-	2.97	3.04	3.14	-	3.08	3.15	3.25	-
	Amps	9.3	9.5	9.8	-	10.0	10.3	10.7	-	11.0	11.2	11.6	-	11.7	12.0	12.4	-	12.5	12.8	13.3	-	13.3	13.6	14.1	-
	Hi PR	150	161	170	-	168	181	191	-	191	206	217	-	218	234	247	-	245	264	278	-	271	291	308	-
	Lo PR	63	67	73	-	66	71	77	-	69	73	80	-	72	77	84	-	76	81	88	-	79	84	91	-
	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
	S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
1094	kW	2.33	2.38	2.46	-	2.52	2.57	2.66	-	2.68	2.74	2.83	-	2.82	2.89	2.98	-	2.95	3.01	3.11	-	3.05	3.12	3.23	-
	Amps	9.2	9.4	9.7	-	10.0	10.2	10.6	-	10.9	11.1	11.5	-	11.6	11.9	12.3	-	12.4	12.7	13.2	-	13.2	13.5	14.0	-
	Hi PR	148	160	169	-	166	179	189	-	189	204	215	-	216	232	245	-	243	261	276	-	268	288	305	-
	Lo PR	62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	87	-	78	83	90	-
	MBh	30.7	31.9	34.9	-	30.0	31.1	34.1	-	29.3	30.4	33.3	-	28.6	29.6	32.5	-	27.2	28.2	30.8	-	25.2	26.1	28.6	-
	S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-
	ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	kW	2.28	2.33	2.40	-	2.46	2.51	2.59	-	2.61	2.67	2.76	-	2.75	2.81	2.91	-	2.87	2.93	3.03	-	2.97	3.04	3.14	-
	Amps	8.9	9.1	9.5	-	9.7	9.9	10.3	-	10.5	10.8	11.2	-	11.3	11.6	12.0	-	12.0	12.3	12.8	-	12.8	13.1	13.6	-
	Hi PR	144	155	164	-	161	174	183	-	184	198	209	-	209	225	238	-	235	253	267	-	260	280	295	-
	Lo PR	60	64	70	-	64	68	74	-	66	70	77	-	70	74	81	-	73	78	85	-	75	80	88	-
75	MBh	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.3	34.2	37.1	39.8	32.4	33.4	36.2	38.8	30.8	31.7	34.4	36.9	28.6	29.4	31.8	34.2
	S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
	ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
	kW	2.37	2.42	2.50	2.59	2.56	2.62	2.70	2.79	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	9.4	9.6	9.9	10.3	10.1	10.4	10.8	11.2	11.1	11.3	11.7	12.2	11.8	12.1	12.6	13.1	12.6	13.0	13.4	13.9	13.4	13.8	14.2	14.8
	Hi PR	151	163	172	179	170	183	193	201	193	208	219	229	220	237	250	261	247	266	281	293	273	294	311	324
	Lo PR	63	67	74	78	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	84	92	98
	MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	32.4	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2
	S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
	ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10
1094	kW	2.35	2.40	2.48	2.56	2.54	2.60	2.68	2.77	2.70	2.76	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	9.3	9.5	9.8	10.2	10.1	10.3	10.7	11.1	11.0	11.2	11.6	12.1	11.7	12.0	12.5	12.9	12.5	12.8	13.3	13.8	13.3	13.6	14.1	14.7
	Hi PR	150	161	170	178	168	181	191	199	191	206	217	227	218	234	248	258	245	264	278	290	271	291	308	321
	Lo PR	63	67	73	78	66	71	77	82	69	73	80	85	72	77	84	90	76	81	88	94	79	84	91	97
	MBh	31.3	32.2	34.8	37.4	30.5	31.4	34.0	36.5	29.8	30.7	33.2	35.6	29.1	29.9	32.4	34.8	27.6	28.4	30.8	33.0	25.6	26.3	28.5	30.6
	S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
	kW	2.30	2.35	2.42	2.50	2.48	2.53	2.61	2.70	2.64	2.69	2.78	2.88	2.78	2.84	2.93	3.03	2.89	2.96	3.06	3.17	3.00	3.07	3.17	3.28
	Amps	9.0	9.2	9.5	9.9	9.8	10.0	10.4	10.8	10.6	10.9	11.3	11.7	11.4	11.7	12.1	12.6	12.2	12.5	12.9	13.4	12.9	13.2	13.7	14.2
	Hi PR	145	156	165	172	163	176	185	193	185	200	211	220	211	227	240	250	238	256	270	282	263	283	298	311
	Lo PR	61	65	71	75	64	68	75	80	67	71	78	83	70	75	82	87	74	78	86	91	76	81	88	94

Shaded area reflects ACCA (TVA) conditions IDB: Entering Indoor Dry Bulb Temperature kW = Total system power Amps = outdoor unit amps (comp. +fan)
 High and low pressures are measured at the liquid and suction service valves.

EXPANDED COOLING DATA — GPH1336H21* (CONT.)

		Outdoor Ambient Temperature																																															
		65°F								75°F								85°F								95°F								105°F								115°F							
		Entering Indoor Wet Bulb Temperature																																															
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																				
80		MBh	35.5	36.3	38.8	41.4	34.7	35.4	37.9	40.5	33.8	34.6	37.0	39.5	33.0	33.7	36.1	38.5	31.4	32.1	34.2	36.6	29.1	29.7	31.7	33.9	29.1	29.7	31.7	33.9																			
		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	0.61	1.00	1.00	0.82	0.61																			
		ΔT	22	21	18	15	23	21	18	15	22	21	18	15	22	21	19	15	21	21	18	15	19	19	17	14	19	19	17	14																			
	1406	kW	2.39	2.44	2.52	2.61	2.58	2.64	2.73	2.82	2.75	2.81	2.90	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	3.13	3.20	3.31	3.43																			
		Amps	9.4	9.7	10.0	10.4	10.2	10.5	10.9	11.3	11.2	11.4	11.8	12.3	12.0	12.3	12.7	13.2	12.8	13.1	13.5	14.1	13.5	13.9	14.4	14.9	13.5	13.9	14.4	14.9																			
		Hi PR	153	165	174	181	172	185	195	203	195	210	222	231	222	239	253	263	250	269	284	296	276	297	314	327	276	297	314	327																			
		Lo PR	64	68	74	79	68	72	79	84	70	75	82	87	74	79	86	91	77	82	90	96	80	85	93	99	80	85	93	99																			
		MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	35.0	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9	28.2	28.8	30.8	32.9																			
		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	0.96	0.78	0.58	1.00	0.96	0.78	0.58																			
		ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	20	18	14	21	20	18	14																			
	kW	2.37	2.42	2.50	2.59	2.56	2.62	2.70	2.79	2.73	2.79	2.88	2.98	2.87	2.94	##	3.14	3.00	3.06	3.17	3.28	3.10	3.17	3.28	3.40	3.10	3.17	3.28	3.40																				
	Amps	9.4	9.6	9.9	10.3	10.1	10.4	10.8	11.2	11.1	11.3	11.7	12.2	11.9	12.2	12.6	13.1	12.6	13.0	13.4	13.9	13.4	13.8	14.2	14.8	13.4	13.8	14.2	14.8																				
	Hi PR	151	163	172	179	170	183	193	201	193	208	220	229	220	237	250	261	248	266	281	293	273	294	311	324	273	294	311	324																				
	Lo PR	63	68	74	78	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	84	92	98	79	84	92	98																				
1094		MBh	31.8	32.5	34.7	37.1	31.1	31.7	33.9	36.3	30.3	31.0	33.1	35.4	29.6	30.2	32.3	34.5	28.1	28.7	30.7	32.8	26.0	26.6	28.4	30.4	26.0	26.6	28.4	30.4																			
		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	0.99	0.93	0.76	0.57	0.99	0.93	0.76	0.57																			
		ΔT	23	22	19	15	23	22	19	16	23	22	20	16	24	23	20	16	23	22	19	15	22	21	18	14	22	21	18	14																			
		kW	2.31	2.36	2.44	2.52	2.50	2.55	2.64	2.72	2.66	2.72	2.81	2.90	2.80	2.86	2.96	3.06	2.92	2.99	3.09	3.19	3.02	3.09	3.20	3.31	3.02	3.09	3.20	3.31																			
		Amps	9.1	9.3	9.6	10.0	9.9	10.1	10.5	10.9	10.7	11.0	11.4	11.8	11.5	11.8	12.2	12.7	12.3	12.6	13.0	13.5	13.0	13.4	13.8	14.4	13.0	13.4	13.8	14.4																			
		Hi PR	147	158	167	174	165	177	187	195	187	202	213	222	213	230	243	253	240	258	273	285	265	285	301	314	265	285	301	314																			
		Lo PR	62	65	71	76	65	69	76	80	68	72	78	84	71	76	82	88	74	79	86	92	77	82	89	95	77	82	89	95																			

1406	MBh	36.1	36.8	38.6	41.1	35.3	36.0	37.7	40.2	34.4	35.1	36.8	39.2	33.6	34.2	35.9	38.3	31.9	32.5	34.1	36.4	29.6	30.1	31.6	33.7
	S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
	ΔT	23	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	21	21	22	19	19	20	20	18
	kW	2.41	2.46	2.54	2.63	2.60	2.66	2.75	2.84	2.77	2.83	2.93	3.03	2.92	2.99	3.09	3.19	3.05	3.12	3.22	3.34	3.16	3.23	3.34	3.46
	Amps	9.5	9.8	10.1	10.5	10.3	10.6	11.0	11.4	11.3	11.6	12.0	12.4	12.1	12.4	12.8	13.3	12.9	13.2	13.7	14.2	13.7	14.0	14.5	15.1
	Hi PR	154	166	175	183	173	186	197	205	197	212	224	234	224	242	255	266	252	272	287	299	279	300	317	331
	Lo PR	65	69	75	80	68	73	79	85	71	76	83	88	75	79	87	92	78	83	91	97	81	86	94	100
1250	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
	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	24	24	23	19	25	24	23	20	25	24	23	20	24	24	23	20	23	23	23	20	21	22	21	18
	kW	2.39	2.44	2.52	2.61	2.58	2.64	2.73	2.82	2.75	2.81	2.90	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
	Amps	9.4	9.7	10.0	10.4	10.2	10.5	10.9	11.3	11.2	11.4	11.8	12.3	12.0	12.3	12.7	13.2	12.8	13.1	13.5	14.1	13.5	13.9	14.4	14.9
	Hi PR	153	165	174	181	172	185	195	203	195	210	222	231	222	239	253	263	250	269	284	296	276	297	314	327
	Lo PR	64	68	74	79	68	72	79	84	70	75	82	87	74	79	86	91	77	82	90	96	80	85	93	99
1094	MBh	32.4	33.0	34.6	36.9	31.6	32.2	33.8	36.0	30.9	31.5	32.9	35.1	30.1	30.7	32.1	34.3	28.6	29.2	30.5	32.6	26.5	27.0	28.3	30.2
	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	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	22	23	22	19
	kW	2.33	2.38	2.46	2.54	2.52	2.57	2.66	2.75	2.68	2.74	2.83	2.93	2.82	2.89	2.98	3.09	2.94	3.01	3.11	3.22	3.05	3.12	3.23	3.34
	Amps	9.2	9.4	9.7	10.1	10.0	10.2	10.6	11.0	10.8	11.1	11.5	12.0	11.6	11.9	12.3	12.8	12.4	12.7	13.1	13.7	13.2	13.5	14.0	14.5
	Hi PR	148	160	169	176	166	179	189	197	189	204	215	224	216	232	245	255	242	261	276	287	268	288	304	318
	Lo PR	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96

EXPANDED COOLING DATA — GPH1342H21*

		Outdoor Ambient Temperature																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		Entering Indoor Wet Bulb Temperature																																			
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
70	MBh	40.2	41.6	45.6	-	39.2	40.7	44.6	-	38.3	39.7	43.5	-	37.4	38.74	42.4	-	35.5	36.8	40.3	-	32.9	34.1	37.3	-	32.9	34.1	37.3	-	32.9	34.1	37.3	-				
	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	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-				
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-	16	14	11	-	16	14	11	-				
	1631	kW	2.44	2.50	2.58	-	2.64	2.69	2.78	-	2.81	2.87	2.97	-	2.96	3.03	3.13	-	3.09	3.16	3.27	-	3.20	3.27	3.38	-	3.20	3.27	3.38	-	3.20	3.27	3.38	-			
	Amps	9.3	9.5	9.8	-	10.0	10.3	10.7	-	11.0	11.2	11.6	-	11.7	12.0	12.4	-	12.5	12.8	13.3	-	13.3	13.6	14.1	-	13.3	13.6	14.1	-	13.3	13.6	14.1	-				
	Hi PR	144	155	163	-	161	174	183	-	184	198	209	-	209	225	238	-	235	253	267	-	260	280	295	-	260	280	295	-	260	280	295	-				
	Lo PR	64	68	74	-	67	71	78	-	70	74	81	-	73	78	85	-	77	82	89	-	79	85	92	-	79	85	92	-	79	85	92	-				
	MBh	39.0	40.4	44.3	-	38.1	39.5	43.3	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	34.5	35.7	39.1	-	31.9	33.1	36.3	-	31.9	33.1	36.3	-	31.9	33.1	36.3	-				
	S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.68	0.48	-	0.82	0.68	0.48	-	0.82	0.68	0.48	-				
	ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-	17	14	11	-				
	1450	kW	2.42	2.47	2.56	-	2.61	2.67	2.76	-	2.78	2.85	2.94	-	2.93	3.00	3.10	-	3.06	3.13	3.24	-	3.17	3.24	3.35	-	3.17	3.24	3.35	-	3.17	3.24	3.35	-			
Amps	9.2	9.4	9.7	-	10.0	10.2	10.6	-	10.9	11.1	11.5	-	11.6	11.9	12.3	-	12.4	12.7	13.2	-	13.2	13.5	14.0	-	13.2	13.5	14.0	-	13.2	13.5	14.0	-					
Hi PR	142	153	162	-	160	172	182	-	182	196	207	-	207	223	235	-	233	251	265	-	257	277	292	-	257	277	292	-	257	277	292	-					
Lo PR	63	67	73	-	66	71	77	-	69	73	80	-	73	77	84	-	76	81	88	-	79	84	91	-	79	84	91	-	79	84	91	-					
1269	MBh	36.0	37.3	40.9	-	35.2	36.4	39.9	-	34.3	35.6	39.0	-	33.5	34.7	38.0	-	31.8	33.0	36.1	-	29.5	30.5	33.5	-	29.5	30.5	33.5	-	29.5	30.5	33.5	-				
	S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-	0.80	0.66	0.46	-	0.80	0.66	0.46	-				
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-				
	kW	2.36	2.41	2.49	-	2.55	2.60	2.69	-	2.71	2.77	2.87	-	2.86	2.92	3.02	-	2.98	3.05	3.15	-	3.09	3.16	3.27	-	3.09	3.16	3.27	-	3.09	3.16	3.27	-				
	Amps	8.9	9.1	9.5	-	9.7	9.9	10.3	-	10.5	10.8	11.2	-	11.3	11.6	12.0	-	12.0	12.3	12.8	-	12.8	13.1	13.6	-	12.8	13.1	13.6	-	12.8	13.1	13.6	-				
	Hi PR	138	149	157	-	155	167	176	-	176	190	200	-	201	216	228	-	226	243	257	-	250	269	284	-	250	269	284	-	250	269	284	-				
	Lo PR	61	65	71	-	64	69	75	-	67	71	78	-	70	75	82	-	74	78	86	-	76	81	89	-	76	81	89	-	76	81	89	-				
	75	MBh	40.9	42.1	45.5	48.9	39.9	41.1	44.5	47.7	39.0	40.1	43.4	46.6	38.0	39.1	42.4	45.5	36.1	37.2	40.2	43.2	33.4	34.4	37.3	40.0	33.4	34.4	37.3	40.0	33.4	34.4	37.3	40.0			
		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	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43	0.98	0.88	0.67	0.43	0.98	0.88	0.67	0.43			
		ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	19	15	10	20	18	15	10	19	17	14	10	19	17	14	10	19	17	14	10			
		1631	kW	2.46	2.52	2.60	2.68	2.66	2.72	2.81	2.90	2.83	2.90	2.99	3.09	2.98	3.05	3.16	3.26	3.11	3.19	3.29	3.41	3.23	3.30	3.41	3.53	3.23	3.30	3.41	3.53	3.23	3.30	3.41	3.53		
Amps		9.4	9.6	9.9	10.3	10.1	10.4	10.8	11.2	11.1	11.3	11.7	12.2	11.8	12.1	12.6	13.1	12.6	13.0	13.4	13.9	13.4	13.8	14.2	14.8	13.4	13.8	14.2	14.8	13.4	13.8	14.2	14.8				
Hi PR		145	156	165	172	163	175	185	193	185	200	211	220	211	227	240	250	238	256	270	282	262	282	298	311	262	282	298	311	262	282	298	311				
Lo PR		64	68	75	79	68	72	79	84	70	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99	80	85	93	99	80	85	93	99				
MBh		39.7	40.8	44.2	47.4	38.7	39.9	43.2	46.3	37.8	38.9	42.2	45.2	36.9	38.0	41.1	44.1	35.1	36.1	39.1	41.9	32.5	33.4	36.2	38.8	32.5	33.4	36.2	38.8	32.5	33.4	36.2	38.8				
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	0.40	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41				
ΔT		21	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10	19	18	15	10	19	18	15	10				
1450		kW	2.44	2.50	2.58	2.66	2.64	2.69	2.78	2.88	2.81	2.87	2.97	3.07	2.96	3.03	3.13	3.24	3.09	3.16	3.27	3.38	3.20	3.27	3.38	3.50	3.20	3.27	3.38	3.50	3.20	3.27	3.38	3.50			
Amps	9.3	9.5	9.8	10.2	10.1	10.3	10.7	11.1	11.0	11.2	11.6	12.1	11.7	12.0	12.5	12.9	12.5	12.8	13.3	13.8	13.3	13.6	14.1	14.7	13.3	13.6	14.1	14.7	13.3	13.6	14.1	14.7					
Hi PR	144	155	163	170	161	174	183	191	184	198	209	218	209	225	238	248	235	253	267	279	260	280	295	308	260	280	295	308	260	280	295	308					
Lo PR	64	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	85	92	98	79	85	92	98	79	85	92	98					
1269	MBh	36.6	37.7	40.8	43.8	35.8	36.8	39.9	42.8	34.9	35.9	38.9	41.8	34.1	35.1	38.0	40.7	32.4	33.3	36.1	38.7	30.0	30.9	33.4	35.8	30.0	30.9	33.4	35.8	30.0	30.9	33.4	35.8				
	S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39				
	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10	20	18	15	10	20	18	15	10				
	kW	2.38	2.43	2.51	2.60	2.57	2.63	2.71	2.80	2.74	2.80	2.89	2.99	2.88	2.95	3.05	3.15	3.01	3.08	3.18	3.29	3.12	3.19	3.30	3.41	3.12	3.19	3.30	3.41	3.12	3.19	3.30	3.41				
	Amps	9.0	9.2	9.5	9.9	9.8	10.0	10.4	10.8	10.6	10.9	11.3	11.7	11.4	11.7</																						

EXPANDED COOLING DATA — GPH1342H21* (CONT.)

		Outdoor Ambient Temperature																115°F							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	MBh	41.6	42.5	45.4	48.5	39.6	40.5	43.3	46.3	38.7	39.5	42.2	45.1	36.7	37.6	40.1	42.9	34.0	34.8	37.2	39.7	34.0	34.8	37.2	39.7
	S/T	0.94	0.88	0.72	0.54	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	1.00	1.00	0.82	0.62
	ΔT	22	21	18	15	23	21	19	15	22	22	19	15	21	21	18	15	19	20	17	14	19	20	17	14
	kW	2.48	2.54	2.62	2.71	2.68	2.74	2.83	2.93	2.86	2.92	3.02	3.12	3.01	3.08	3.18	3.29	3.14	3.21	3.32	3.44	3.25	3.33	3.44	3.56
	Amps	9.4	9.7	10.0	10.4	10.2	10.5	10.9	11.3	11.2	11.4	11.8	12.3	12.0	12.3	12.7	13.2	12.8	13.1	13.5	14.1	13.5	13.9	14.4	14.9
	Hi PR	147	158	167	174	165	177	187	195	187	202	213	222	213	230	242	253	240	258	273	284	265	285	301	314
	Lo PR	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	78	83	91	97	81	86	94	100
	MBh	40.4	41.3	44.1	47.1	39.4	40.3	43.1	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.8	35.7	36.5	39.0	41.6	33.0	33.8	36.1	38.6
	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	0.96	0.78	0.59
	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	21	18	14
1450	kW	2.46	2.52	2.60	2.68	2.66	2.72	2.81	2.90	2.83	2.90	2.99	3.10	2.98	3.05	3.16	3.26	3.11	3.19	3.29	3.41	3.23	3.30	3.41	3.53
	Amps	9.4	9.6	9.9	10.3	10.1	10.4	10.8	11.2	11.1	11.3	11.7	12.2	11.9	12.2	12.6	13.1	12.6	13.0	13.4	13.9	13.4	13.8	14.2	14.8
	Hi PR	145	156	165	172	163	175	185	193	185	200	211	220	211	227	240	250	238	256	270	282	263	283	298	311
	Lo PR	64	68	75	79	68	72	79	84	70	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99
	MBh	37.3	38.1	40.7	43.5	36.4	37.2	39.7	42.5	35.5	36.3	38.8	41.5	34.7	35.4	37.8	40.5	32.9	33.6	36.0	38.4	30.5	31.2	33.3	35.6
	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	0.99	0.93	0.76	0.57
	ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	22	21	18	15
	kW	2.40	2.45	2.53	2.62	2.59	2.65	2.74	2.83	2.76	2.82	2.92	3.02	2.91	2.97	3.07	3.18	3.03	3.10	3.21	3.32	3.14	3.22	3.33	3.44
	Amps	9.1	9.3	9.6	10.0	9.9	10.1	10.5	10.9	10.7	11.0	11.4	11.8	11.5	11.8	12.2	12.7	12.3	12.6	13.0	13.5	13.0	13.4	13.8	14.4
	Hi PR	141	152	160	167	158	170	180	187	180	194	204	213	205	220	233	243	230	248	262	273	255	274	289	302
	Lo PR	62	66	72	77	66	70	76	81	68	73	79	85	72	76	83	89	75	80	87	93	78	83	90	96

1631	MBh	42.3	43.1	45.2	48.2	41.3	42.1	44.1	47.1	40.3	41.1	43.1	45.9	39.4	40.1	42.0	44.8	37.4	38.1	39.9	42.6	34.6	35.3	37.0	39.4
	S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
	ΔT	23	23	22	19	23	23	22	19	23	23	22	19	22	23	22	19	21	21	22	19	20	20	21	18
	kW	2.50	2.56	2.64	2.73	2.70	2.76	2.86	2.95	2.88	2.95	3.04	3.15	3.04	3.11	3.21	3.32	3.17	3.24	3.35	3.47	3.28	3.36	3.47	3.60
	Amps	9.5	9.8	10.1	10.5	10.3	10.6	11.0	11.4	11.3	11.6	12.0	12.4	12.1	12.4	12.8	13.3	12.9	13.2	13.7	14.2	13.7	14.0	14.5	15.1
	Hi PR	148	160	168	176	166	179	189	197	189	204	215	224	215	232	245	255	242	261	275	287	268	288	304	317
	Lo PR	65	70	76	81	69	74	80	86	72	77	84	89	76	80	88	93	79	84	92	98	82	87	95	101
	MBh	41.1	41.9	43.9	46.8	40.1	40.9	42.8	45.7	39.2	39.9	41.8	44.6	38.2	39.0	40.8	43.5	36.3	37.0	38.8	41.3	33.6	34.3	35.9	38.3
	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	24	24	23	20	25	24	23	20	25	24	23	20	24	25	23	20	23	23	23	20	21	22	21	18
1450	kW	2.48	2.54	2.62	2.71	2.68	2.74	2.83	2.93	2.86	2.92	3.02	3.12	3.01	3.08	3.18	3.29	3.14	3.21	3.32	3.44	3.25	3.33	3.44	3.56
	Amps	9.4	9.7	10.0	10.4	10.2	10.5	10.9	11.3	11.2	11.4	11.8	12.3	12.0	12.3	12.7	13.2	12.8	13.1	13.5	14.1	13.5	13.9	14.4	14.9
	Hi PR	147	158	167	174	165	177	187	195	187	202	213	222	213	230	242	253	240	258	273	284	265	285	301	314
	Lo PR	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	78	83	91	97	81	86	94	100
	MBh	37.9	38.6	40.5	43.2	37.0	37.7	39.5	42.2	36.2	36.9	38.6	41.2	35.3	36.0	37.7	40.2	33.5	34.2	35.8	38.2	31.0	31.6	33.1	35.4
	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	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	25	23	20	22	23	22	19
	kW	2.42	2.47	2.55	2.64	2.61	2.67	2.76	2.85	2.78	2.85	2.94	3.04	2.93	3.00	3.10	3.21	3.06	3.13	3.24	3.35	3.17	3.24	3.35	3.47
	Amps	9.2	9.4	9.7	10.1	10.0	10.2	10.6	11.0	10.8	11.1	11.5	12.0	11.6	11.9	12.3	12.8	12.4	12.7	13.1	13.7	13.2	13.5	14.0	14.5
	Hi PR	142	153	162	169	160	172	182	189	182	196	206	215	207	223	235	245	233	250	265	276	257	277	292	305
	Lo PR	63	67	73	78	66	71	77	82	69	73	80	85	73	77	84	90	76	81	88	94	79	84	91	97

Shaded area reflects ARI conditions

IDB: Entering Indoor Dry Bulb Temperature

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

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

EXPANDED COOLING DATA — GPH1348H21*

		Outdoor Ambient Temperature																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		Entering Indoor Wet Bulb Temperature																																			
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
70	MBh	45.5	47.1	51.6	-	44.4	46.0	50.4	-	43.4	44.9	49.2	-	42.3	43.8	48.0	-	40.2	41.6	45.6	-	37.2	38.6	42.3	-	37.2	38.6	42.3	-								
	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	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-								
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	16	14	10	-								
	kW	2.80	2.86	2.95	-	3.02	3.09	3.20	-	3.23	3.30	3.41	-	3.40	3.48	3.60	-	3.56	3.64	3.76	-	3.69	3.77	3.90	-	3.69	3.77	3.90	-								
	Amps	10.7	11.0	11.4	-	11.6	11.9	12.3	-	12.7	13.0	13.5	-	13.6	13.9	14.4	-	14.5	14.9	15.4	-	15.4	15.8	16.4	-	15.4	15.8	16.4	-								
	Hi PR	147	158	167	-	165	177	187	-	187	202	213	-	213	230	243	-	240	258	273	-	265	285	301	-	265	285	301	-								
	Lo PR	64	68	74	-	67	71	78	-	70	74	81	-	73	78	85	-	77	82	89	-	79	85	92	-	79	85	92	-								
	MBh	44.1	45.8	50.1	-	43.1	44.7	49.0	-	42.1	43.6	47.8	-	41.1	42.6	46.6	-	39.0	40.4	44.3	-	36.1	37.5	41.0	-	36.1	37.5	41.0	-								
	S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-								
	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-								
	kW	2.77	2.83	2.93	-	3.00	3.07	3.17	-	3.20	3.27	3.38	-	3.37	3.45	3.57	-	3.52	3.61	3.73	-	3.65	3.74	3.87	-	3.65	3.74	3.87	-								
75	Amps	10.6	10.9	11.3	-	11.5	11.8	12.2	-	12.6	12.9	13.3	-	13.5	13.8	14.3	-	14.4	14.7	15.3	-	15.3	15.7	16.2	-	15.3	15.7	16.2	-								
	Hi PR	145	156	165	-	163	176	185	-	186	200	211	-	211	227	240	-	238	256	270	-	263	283	298	-	263	283	298	-								
	Lo PR	63	67	73	-	66	71	77	-	69	73	80	-	73	77	84	-	76	81	88	-	79	84	91	-	79	84	91	-								
	MBh	40.7	42.2	46.3	-	39.8	41.2	45.2	-	38.8	40.3	44.1	-	37.9	39.3	43.0	-	36.0	37.3	40.9	-	33.4	34.6	37.9	-	33.4	34.6	37.9	-								
	S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-	0.80	0.66	0.46	-								
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-								
	kW	2.70	2.76	2.85	-	2.92	2.99	3.09	-	3.12	3.19	3.30	-	3.29	3.36	3.48	-	3.43	3.51	3.63	-	3.56	3.64	3.77	-	3.56	3.64	3.77	-								
	Amps	10.3	10.6	10.9	-	11.2	11.5	11.9	-	12.2	12.5	12.9	-	13.1	13.4	13.9	-	14.0	14.3	14.8	-	14.8	15.2	15.7	-	14.8	15.2	15.7	-								
	Hi PR	141	152	160	-	158	170	180	-	180	194	204	-	205	221	233	-	231	248	262	-	255	274	289	-	255	274	289	-								
	Lo PR	61	65	71	-	64	69	75	-	67	71	78	-	70	75	82	-	74	78	86	-	76	81	89	-	76	81	89	-								
	1856	MBh	46.2	47.6	51.5	55.3	45.2	46.5	50.3	54.0	44.1	45.4	49.1	52.7	43.0	44.3	47.9	51.4	40.9	42.1	45.5	48.9	37.9	39.0	42.2	45.3	37.9	39.0	42.2	45.3							
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	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43	0.98	0.88	0.67	0.43								
ΔT		20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10	18	17	14	10								
kW		2.82	2.88	2.98	3.08	3.05	3.12	3.23	3.34	3.25	3.33	3.44	3.56	3.43	3.51	3.64	3.76	3.59	3.67	3.80	3.93	3.72	3.81	3.94	4.08	3.72	3.81	3.94	4.08								
Amps		10.8	11.1	11.5	11.9	11.7	12.0	12.5	12.9	12.8	13.1	13.6	14.1	13.7	14.1	14.6	15.1	14.6	15.0	15.5	16.2	15.6	16.0	16.5	17.2	15.6	16.0	16.5	17.2								
Hi PR		148	160	169	176	166	179	189	197	189	204	215	224	216	232	245	256	243	261	276	287	268	288	305	318	268	288	305	318								
Lo PR		64	68	75	79	68	72	79	84	70	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99	80	85	93	99								
MBh		44.9	46.2	50.0	53.7	43.8	45.1	48.9	52.4	42.8	44.1	47.7	51.2	41.8	43.0	46.5	49.9	39.7	40.8	44.2	47.5	36.7	37.8	41.0	44.0	36.7	37.8	41.0	44.0								
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	0.40	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41								
ΔT		20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	14	10	19	18	14	10								
kW		2.80	2.86	2.95	3.06	3.02	3.09	3.20	3.31	3.23	3.30	3.41	3.53	3.40	3.48	3.60	3.73	3.56	3.64	3.77	3.90	3.69	3.77	3.90	4.04	3.69	3.77	3.90	4.04								
1650	Amps	10.7	11.0	11.4	11.8	11.6	11.9	12.3	12.8	12.7	13.0	13.5	14.0	13.6	13.9	14.4	15.0	14.5	14.9	15.4	16.0	15.4	15.8	16.4	17.0	15.4	15.8	16.4	17.0								
	Hi PR	147	158	167	174	165	177	187	195	187	202	213	222	213	230	243	253	240	258	273	285	265	286	301	314	265	286	301	314								
	Lo PR	64	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	85	92	98	79	85	92	98								
	MBh	41.4	42.7	46.2	49.6	40.5	41.7	45.1	48.4	39.5	40.7	44.0	47.3	38.5	39.7	43.0	46.1	36.6	37.7	40.8	43.8	33.9	34.9	37.8	40.6	33.9	34.9	37.8	40.6								
	S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39								
	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10	20	18	15	10								
	kW	2.73	2.79	2.88	2.98	2.95	3.01	3.12	3.22	3.14	3.21	3.32	3.44	3.32	3.39	3.51	3.63	3.46	3.54	3.67	3.79	3.59	3.67	3.80	3.94	3.59	3.67	3.80	3.94								
	Amps	10.4	10.7	11.0	11.5	11.3	11.6	12.0	12.5	12.3	12.6	13.1	13.6	13.2	13.5	14.0	14.6	14.1	14.5	15.0	15.5	15.0	15.3	15.9	16.5	15.0	15.3	15.9	16.5								
	Hi PR	142	153	162	169	160	172	182	189	182	196	207	215	207	223	235	245	233	251	265	276	257	277	292	305	257	277	292	305								
	Lo PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	79	87	92	77	82	90	95	77	82	90	95								
			kW = Total system power																		Amps = outdoor unit amps (comp.+fan)																
		IDB: Entering Indoor Dry Bulb Temperature																		Shaded area reflects ACCA (TVA) conditions						High and low pressures are measured at the liquid and suction service valves.											

EXPANDED COOLING DATA — GPH1348H21* (CONT.)

		Outdoor Ambient Temperature																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
80	MBh	47.1	48.1	51.4	54.9	46.0	47.0	50.2	53.6	44.9	45.9	49.0	52.4	43.8	44.7	47.8	51.1	41.6	42.5	45.4	48.5	38.5	39.4	42.1	45.0	38.5	39.4	42.1	45.0	38.5	39.4	42.1	45.0				
	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	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62				
	ΔT	22	21	18	15	23	21	18	15	22	21	18	15	22	21	19	15	21	21	18	15	19	19	17	14	19	19	17	14	19	19	17	14				
	kW	2.84	2.91	3.01	3.11	3.08	3.15	3.25	3.37	3.28	3.36	3.47	3.60	3.46	3.55	3.67	3.80	3.62	3.70	3.83	3.97	3.75	3.84	3.98	4.12	3.75	3.84	3.98	4.12	3.75	3.84	3.98	4.12				
	Amps	10.9	11.2	11.6	12.0	11.9	12.2	12.6	13.1	12.9	13.3	13.7	14.3	13.9	14.2	14.7	15.3	14.8	15.2	15.7	16.3	15.7	16.1	16.7	17.3	15.7	16.1	16.7	17.3	15.7	16.1	16.7	17.3				
	Hi PR	150	161	170	178	168	181	191	199	191	206	217	227	218	234	247	258	245	264	278	290	271	291	308	321	271	291	308	321	271	291	308	321				
	Lo PR	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	78	83	91	97	81	86	94	100	81	86	94	100	81	86	94	100				
	MBh	45.7	46.7	49.9	53.3	44.6	45.6	48.7	52.1	43.6	44.5	47.6	50.8	42.5	43.4	##	49.6	40.4	41.3	44.1	47.1	37.4	38.2	40.8	43.6	37.4	38.2	40.8	43.6	37.4	38.2	40.8	43.6				
	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	0.96	0.78	0.59	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59				
	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	21	18	14	21	21	18	14	21	21	18	14				
	kW	2.82	2.88	2.98	3.08	3.05	3.12	3.23	3.34	3.25	3.33	3.44	3.56	3.43	3.51	##	3.76	3.59	3.67	3.80	3.93	3.72	3.81	3.94	4.08	3.72	3.81	3.94	4.08	3.72	3.81	3.94	4.08				
Amps	10.8	11.1	11.5	11.9	11.7	12.0	12.5	12.9	12.8	13.1	13.6	14.1	13.7	14.1	14.6	15.1	14.7	15.0	15.6	16.2	15.6	16.0	16.5	17.2	15.6	16.0	16.5	17.2	15.6	16.0	16.5	17.2					
Hi PR	148	160	169	176	166	179	189	197	189	204	215	224	216	232	245	256	243	261	276	287	268	288	305	318	268	288	305	318	268	288	305	318					
Lo PR	64	68	75	79	68	72	79	84	70	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99	80	85	93	99	80	85	93	99					
1444	MBh	42.2	43.1	46.0	49.2	41.2	42.1	45.0	48.1	40.2	41.1	43.9	46.9	39.2	40.1	42.8	45.8	37.3	38.1	40.7	43.5	34.5	35.3	37.7	40.3	34.5	35.3	37.7	40.3	34.5	35.3	37.7	40.3				
	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	0.99	0.93	0.76	0.57	0.99	0.93	0.76	0.57	0.99	0.93	0.76	0.57				
	ΔT	23	22	19	15	23	22	20	16	24	23	20	16	24	23	20	16	23	22	19	16	22	21	18	15	22	21	18	15	22	21	18	15				
	kW	2.75	2.81	2.90	3.00	2.97	3.04	3.14	3.25	3.17	3.24	3.35	3.47	3.34	3.42	3.54	3.66	3.49	3.57	3.70	3.83	3.62	3.71	3.83	3.97	3.62	3.71	3.83	3.97	3.62	3.71	3.83	3.97				
	Amps	10.5	10.8	11.1	11.6	11.4	11.7	12.1	12.6	12.4	12.8	13.2	13.7	13.3	13.7	14.2	14.7	14.2	14.6	15.1	15.7	15.1	15.5	16.0	16.7	15.1	15.5	16.0	16.7	15.1	15.5	16.0	16.7				
	Hi PR	144	155	164	171	161	174	183	191	184	198	209	218	209	225	238	248	235	253	267	279	260	280	295	308	260	280	295	308	260	280	295	308				
	Lo PR	62	66	72	77	66	70	76	81	68	73	79	85	72	76	83	89	75	80	87	93	78	83	90	96	78	83	90	96	78	83	90	96				

85	1856	MBh	47.9	48.8	51.1	54.5	46.8	47.7	49.9	53.3	45.7	46.5	48.7	52.0	44.5	45.4	47.6	50.7	42.3	43.1	45.2	48.2	39.2	40.0	41.8	44.6
		S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
		ΔT	23	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	21	21	22	19	19	20	20	18
		kW	2.87	2.93	3.03	3.13	3.10	3.17	3.28	3.40	3.31	3.39	3.50	3.63	3.49	3.58	3.70	3.83	3.65	3.74	3.87	4.00	3.79	3.87	4.01	4.15
		Amps	11.0	11.3	11.7	12.2	12.0	12.3	12.7	13.2	13.1	13.4	13.9	14.4	14.0	14.4	14.9	15.4	14.9	15.3	15.9	16.5	15.9	16.3	16.8	17.5
		Hi PR	151	163	172	179	170	183	193	201	193	208	219	229	220	237	250	261	247	266	281	293	273	294	311	324
		Lo PR	65	70	76	81	69	74	80	86	72	77	84	89	76	80	88	93	79	84	92	98	82	87	95	101
		MBh	46.5	47.4	49.6	52.9	45.4	46.3	48.5	51.7	44.3	45.2	47.3	50.5	43.2	44.1	46.2	49.3	41.1	41.9	43.9	46.8	38.1	38.8	40.6	43.3
		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	24	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	23	23	23	20	21	22	21	18
		85	1650	kW	2.84	2.91	3.01	3.11	3.08	3.15	3.25	3.37	3.28	3.36	3.47	3.60	3.46	3.55	3.67	3.80	3.62	3.70	3.83	3.97	3.75	3.84
Amps	10.9			11.2	11.6	12.0	11.9	12.2	12.6	13.1	12.9	13.3	13.7	14.3	13.9	14.2	14.7	15.3	14.8	15.2	15.7	16.3	15.7	16.1	16.7	17.3
Hi PR	150			161	170	178	168	181	191	199	191	206	217	227	218	234	247	258	245	264	278	290	271	291	308	321
Lo PR	65			69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	78	83	91	97	81	86	94	100
MBh	42.9			43.7	45.8	48.9	41.9	42.7	44.7	47.7	40.9	41.7	43.7	46.6	39.9	40.7	42.6	45.5	37.9	38.7	40.5	43.2	35.1	35.8	37.5	40.0
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	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
ΔT	25			24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	22	23	22	19
kW	2.77			2.83	2.93	3.03	3.00	3.07	3.17	3.28	3.20	3.27	3.38	3.50	3.37	3.45	3.57	3.70	3.52	3.61	3.73	3.86	3.65	3.74	3.87	4.01
Amps	10.6			10.9	11.3	11.7	11.5	11.8	12.2	12.7	12.6	12.9	13.3	13.8	13.5	13.8	14.3	14.8	14.4	14.7	15.2	15.8	15.3	15.6	16.2	16.8
Hi PR	145			156	165	172	163	175	185	193	185	200	211	220	211	227	240	250	238	256	270	282	263	283	298	311
Lo PR	63			67	73	78	66	71	77	82	69	73	80	85	73	77	84	90	76	81	88	94	79	84	91	97
	1444	MBh	42.9	43.7	45.8	48.9	41.9	42.7	44.7	47.7	40.9	41.7	43.7	46.6	39.9	40.7	42.6	45.5	37.9	38.7	40.5	43.2	35.1	35.8	37.5	40.0
		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	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
		ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	22	23	22	19
		kW	2.77	2.83	2.93	3.03	3.00	3.07	3.17	3.28	3.20	3.27	3.38	3.50	3.37	3.45	3.57	3.70	3.52	3.61	3.73	3.86	3.65	3.74	3.87	4.01
		Amps	10.6	10.9	11.3	11.7	11.5	11.8	12.2	12.7	12.6	12.9	13.3	13.8	13.5	13.8	14.3	14.8	14.4	14.7	15.2	15.8	15.3	15.6	16.2	16.8
		Hi PR	145	156	165	172	163	175	185	193	185	200	211	220	211	227	240	250	238	256	270	282	263	283	298	311
		Lo PR	63	67	73	78	66	71	77	82	69	73	80	85	73	77	84	90	76	81	88	94	79	84	91	97

EXPANDED COOLING DATA — GPH1360H21*

		Outdoor Ambient Temperature																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		Entering Indoor Wet Bulb Temperature																																			
		IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71						
70		MBh	56.4	58.5	64.1	-	55.1	57.1	62.6	-	53.8	55.8	61.1	-	52.5	54.4	59.6	-	49.9	51.7	56.6	-	46.2	47.9	52.5	-											
		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	-	0.86	0.72	0.50	-											
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-											
	2138	kW	3.65	3.74	3.87	-	3.96	4.06	4.20	-	4.24	4.34	4.49	-	4.48	4.59	4.75	-	4.69	4.80	4.97	-	4.86	4.98	5.16	-											
		Amps	14.1	14.5	15.0	-	15.3	15.7	16.3	-	16.8	17.2	17.8	-	18.0	18.4	19.1	-	19.2	19.7	20.4	-	20.4	20.9	21.7	-											
		Hi PR	159	171	180	-	178	192	202	-	203	218	230	-	231	248	262	-	260	279	295	-	287	309	326	-											
		Lo PR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-	77	82	89	-											
		MBh	54.8	56.8	62.2	-	53.5	55.5	60.8	-	52.3	54.2	59.3	-	51.0	52.8	57.9	-	48.4	50.2	55.0	-	44.9	46.5	50.9	-											
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-											
		ΔT	19	16	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-											
1900		kW	3.62	3.70	3.83	-	3.93	4.02	4.16	-	4.20	4.30	4.45	-	4.44	4.55	4.71	-	4.64	4.76	4.93	-	4.82	4.94	5.11	-											
		Amps	14.0	14.3	14.8	-	15.2	15.6	16.1	-	16.6	17.0	17.6	-	17.8	18.3	18.9	-	19.0	19.5	20.2	-	20.2	20.7	21.4	-											
		Hi PR	157	169	179	-	176	190	200	-	201	216	228	-	229	246	260	-	257	277	292	-	284	306	323	-											
		Lo PR	61	65	71	-	64	68	75	-	67	71	77	-	70	75	81	-	73	78	85	-	76	81	88	-											
		MBh	50.6	52.4	57.4	-	49.4	51.2	56.1	-	48.2	50.0	54.8	-	47.1	48.8	53.4	-	44.7	46.3	50.8	-	41.4	42.9	47.0	-											
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-											
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-											
	1663		kW	3.52	3.61	3.73	-	3.82	3.91	4.05	-	4.09	4.18	4.33	-	4.32	4.42	4.58	-	4.52	4.63	4.79	-	4.69	4.80	4.97	-										
			Amps	13.6	13.9	14.4	-	14.8	15.1	15.7	-	16.1	16.5	17.1	-	17.3	17.7	18.3	-	18.4	18.9	19.6	-	19.6	20.1	20.8	-										
			Hi PR	153	164	173	-	171	184	194	-	195	209	221	-	222	239	252	-	249	268	283	-	276	297	313	-										
		Lo PR	59	63	68	-	62	66	72	-	65	69	75	-	68	72	79	-	71	76	83	-	74	78	86	-											

75	2138	MBh	57.4	59.1	64.0	68.7	56.1	57.7	62.5	67.1	54.7	56.4	61.0	65.5	53.4	55.0	59.5	63.9	50.7	52.2	56.5	60.7	47.0	48.4	52.4	56.2
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		ΔT	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		kW	3.68	3.77	3.90	4.04	4.00	4.09	4.24	4.39	4.28	4.38	4.53	4.70	4.52	4.63	4.80	4.97	4.73	4.84	5.02	5.20	4.91	5.03	5.21	5.40
		Amps	14.3	14.6	15.1	15.7	15.5	15.9	16.4	17.1	16.9	17.4	18.0	18.7	18.1	18.6	19.3	20.0	19.4	19.9	20.6	21.4	20.6	21.1	21.9	22.7
		Hi PR	160	173	182	190	180	194	205	213	205	220	233	243	233	251	265	276	262	282	298	311	290	312	329	344
		Lo PR	62	66	72	77	65	70	76	81	68	72	79	84	71	76	83	88	75	80	87	93	77	82	90	96
		MBh	55.7	57.4	62.1	66.7	54.4	56.0	60.7	65.1	53.1	54.7	59.2	63.6	51.8	53.4	57.8	62.0	49.2	50.7	54.9	58.9	45.6	47.0	50.8	54.6
		S/T	0.82	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	0.40	0.94	0.84	0.63	0.41
		ΔT	22	20	17	11	22	21	17	12	22	21	17	12	22	21	17	12	22	20	17	12	21	19	16	11
		75	1900	kW	3.65	3.74	3.87	4.00	3.96	4.06	4.20	4.35	4.24	4.34	4.49	4.66	4.48	4.59	4.75	4.93	4.69	4.80	4.97	5.15	4.86	4.98
Amps	14.1			14.5	15.0	15.6	15.3	15.7	16.3	16.9	16.8	17.2	17.8	18.5	18.0	18.4	19.1	19.8	19.2	19.7	20.4	21.2	20.4	20.9	21.7	22.5
Hi PR	159			171	180	188	178	192	203	211	203	218	230	240	231	248	262	274	260	280	295	308	287	309	326	340
Lo PR	61			65	71	76	65	69	75	80	67	72	78	83	71	75	82	88	74	79	86	92	77	82	89	95
MBh	51.4			53.0	57.3	61.5	50.2	51.7	56.0	60.1	49.0	50.5	54.7	58.7	47.8	49.3	53.3	57.2	45.5	46.8	50.7	54.4	42.1	43.4	46.9	50.4
S/T	0.79			0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
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	3.55			3.64	3.76	3.90	3.86	3.95	4.09	4.23	4.12	4.22	4.37	4.53	4.36	4.46	4.62	4.79	4.56	4.67	4.84	5.01	4.73	4.85	5.02	5.20
Amps	13.7			14.1	14.6	15.1	14.9	15.3	15.8	16.4	16.3	16.7	17.3	18.0	17.5	17.9	18.5	19.3	18.6	19.1	19.8	20.6	19.8	20.3	21.0	21.9
Hi PR	154			166	175	183	173	186	196	205	197	212	223	233	224	241	254	265	252	271	286	299	278	300	316	330
Lo PR	59			63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92

EXPANDED COOLING DATA — GPH1360H21* (CONT.)

		Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	58.4	59.7	63.8	68.2	57.1	58.3	62.3	66.6	55.7	56.9	60.8	65.0	54.3	55.5	59.3	63.4	51.6	52.8	56.4	60.3	47.8	48.9	52.2	55.8
	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	24	23	20	16	25	23	20	16	24	23	20	16	23	23	20	16	22	23	20	16	21	21	18	15
	kW	3.72	3.80	3.94	4.08	4.03	4.13	4.28	4.43	4.31	4.42	4.58	4.74	4.56	4.67	4.84	5.02	4.77	4.89	5.06	5.25	4.95	5.07	5.26	5.45
	Amps	14.4	14.8	15.3	15.9	15.6	16.0	16.6	17.3	17.1	17.5	18.1	18.9	18.3	18.8	19.5	20.2	19.6	20.1	20.8	21.6	20.8	21.3	22.1	23.0
	Hi PR	162	174	184	192	182	196	207	216	207	223	235	245	236	253	268	279	265	285	301	314	293	315	333	347
	Lo PR	63	67	73	77	66	70	77	82	69	73	80	85	72	77	84	89	76	80	88	94	78	83	91	97
	MBh	56.7	58.0	61.9	66.2	55.4	56.6	60.5	64.7	54.1	55.3	59.0	63.1	52.8	53.9	57.6	61.6	50.1	51.2	54.7	58.5	46.4	47.4	50.7	54.2
	S/T	0.90	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	0.96	0.78	0.59
	ΔT	25	24	20	16	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	16	22	22	19	15
1663	kW	3.68	3.77	3.90	4.04	4.00	4.09	4.24	4.39	4.28	4.38	4.53	4.70	4.52	4.63	4.80	4.97	4.73	4.84	5.02	5.20	4.91	5.03	5.21	5.40
	Amps	14.3	14.6	15.1	15.7	15.5	15.9	16.4	17.1	16.9	17.4	18.0	18.7	18.1	18.6	19.3	20.0	19.4	19.9	20.6	21.4	20.6	21.1	21.9	22.7
	Hi PR	160	173	182	190	180	194	205	213	205	220	233	243	233	251	265	276	262	282	298	311	290	312	329	344
	Lo PR	62	66	72	77	65	70	76	81	68	72	79	84	71	76	83	88	75	80	87	93	77	82	90	96
	MBh	52.4	53.5	57.2	61.1	51.1	52.3	55.8	59.7	49.9	51.0	54.5	58.3	48.7	49.8	53.2	56.8	46.3	47.3	50.5	54.0	42.9	43.8	46.8	50.0
	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	0.99	0.93	0.76	0.57
	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	3.59	3.67	3.80	3.93	3.89	3.98	4.12	4.27	4.16	4.26	4.41	4.57	4.40	4.50	4.67	4.83	4.60	4.71	4.88	5.06	4.78	4.89	5.07	5.25
	Amps	13.9	14.2	14.7	15.3	15.0	15.4	16.0	16.6	16.4	16.8	17.4	18.1	17.6	18.1	18.7	19.5	18.8	19.3	20.0	20.8	20.0	20.5	21.2	22.1
	Hi PR	156	167	177	184	175	188	198	207	199	214	226	235	226	243	257	268	254	274	289	302	281	303	320	333
	Lo PR	60	64	70	74	63	68	74	79	66	70	77	82	69	74	81	86	73	77	84	90	75	80	87	93
85	MBh	59.4	60.6	63.5	67.7	58.1	59.2	62.0	66.1	56.7	57.8	60.5	64.6	55.3	56.4	59.0	63.0	52.5	53.5	56.1	59.8	48.7	49.6	51.9	55.4
	S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
	ΔT	25	25	23	20	25	25	24	21	24	25	24	21	24	24	24	21	23	23	24	20	21	21	22	19
	kW	3.75	3.84	3.97	4.11	4.07	4.17	4.31	4.47	4.35	4.46	4.62	4.78	4.60	4.71	4.88	5.06	4.82	4.93	5.11	5.30	5.00	5.12	5.31	5.50
	Amps	14.5	14.9	15.4	16.0	15.8	16.2	16.8	17.4	17.2	17.7	18.3	19.0	18.5	19.0	19.6	20.4	19.8	20.3	21.0	21.8	21.0	21.5	22.3	23.2
	Hi PR	164	176	186	194	184	198	209	218	209	225	237	248	238	256	270	282	268	288	304	317	296	318	336	350
	Lo PR	63	67	73	78	67	71	78	83	69	74	81	86	73	78	85	90	76	81	89	94	79	84	92	98
	MBh	57.7	58.8	61.6	65.7	56.4	57.5	60.2	64.2	55.0	56.1	58.7	62.7	53.7	54.7	57.3	61.1	51.0	52.0	54.4	58.1	47.2	48.2	50.4	53.8
	S/T	0.94	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	26	26	24	21	27	26	25	21	27	26	25	21	26	26	25	22	25	25	25	21	23	23	23	20
1663	kW	3.72	3.80	3.94	4.08	4.03	4.13	4.28	4.43	4.31	4.42	4.58	4.74	4.56	4.67	4.84	5.02	4.77	4.89	5.06	5.25	4.95	5.07	5.26	5.45
	Amps	14.4	14.8	15.3	15.9	15.6	16.0	16.6	17.3	17.1	17.5	18.1	18.9	18.3	18.8	19.5	20.2	19.6	20.1	20.8	21.6	20.8	21.3	22.1	23.0
	Hi PR	162	174	184	192	182	196	207	216	207	223	235	245	236	253	268	279	265	285	301	314	293	315	333	347
	Lo PR	63	67	73	77	66	70	77	82	69	73	80	85	72	77	84	89	76	80	88	94	78	83	91	97
	MBh	53.3	54.3	56.9	60.7	52.0	53.0	55.5	59.3	50.8	51.8	54.2	57.8	49.5	50.5	52.9	56.4	47.1	48.0	50.3	53.6	43.6	44.4	46.6	49.7
	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	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
	ΔT	27	26	25	21	27	27	25	22	27	27	25	22	27	27	25	22	26	26	25	22	24	25	23	20
	kW	3.62	3.70	3.83	3.97	3.93	4.02	4.16	4.31	4.20	4.30	4.45	4.61	4.44	4.55	4.71	4.88	4.64	4.75	4.93	5.10	4.82	4.94	5.11	5.30
	Amps	14.0	14.3	14.8	15.4	15.2	15.6	16.1	16.8	16.6	17.0	17.6	18.3	17.8	18.2	18.9	19.6	19.0	19.5	20.2	21.0	20.2	20.7	21.4	22.3
	Hi PR	157	169	179	186	176	190	200	209	201	216	228	238	228	246	260	271	257	277	292	305	284	306	323	337
	Lo PR	61	65	71	75	64	68	74	79	67	71	77	82	70	74	81	87	73	78	85	91	76	81	88	94

Shaded area reflects ARI conditions
 High and low pressures are measured at the liquid and suction service valves.

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

EXPANDED HEATING DATA

GPH1324H21*

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	30.2	28.6	26.9	25.1	24.0	23.3	21.6	19.9	16.9	15.6	14.4	13.6	13.1	11.8	10.4	9.1	7.8	6.4
ΔT	32.9	31.1	29.3	27.4	26.1	25.3	23.5	21.7	18.5	17.0	15.7	14.8	14.3	12.8	11.3	9.9	8.4	6.9
kW	2.23	2.18	2.14	2.10	2.07	2.05	2.01	1.96	2.02	1.97	1.93	1.90	1.88	1.83	1.79	1.74	1.69	1.65
Amps	11.1	10.4	9.8	9.3	9.0	8.9	8.4	8.0	7.8	7.5	7.2	7.0	6.9	6.7	6.3	6.0	5.6	5.2
COP	3.96	3.83	3.68	3.51	3.39	3.32	3.15	2.97	2.45	2.32	2.19	2.09	2.04	1.87	1.70	1.53	1.34	1.13
EER	13.5	13.1	12.6	12.0	11.6	11.3	10.8	10.1	8.4	7.9	7.5	7.2	7.0	6.4	5.8	5.2	4.6	3.9
Hi PR	238	228	220	210	205	201	193	186	178	170	163	159	156	150	145	139	134	129
Lo PR	78	73	68	62	59	57	52	46	42	37	33	31	30	25	22	18	16	12

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

GPH1330H21*

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	34.4	32.6	30.7	28.7	27.4	26.6	24.7	22.7	19.7	18.2	16.7	15.8	15.2	13.7	12.1	10.6	9.0	7.4
ΔT	30.4	28.8	27.1	25.3	24.2	23.4	21.7	20.1	17.4	16.0	14.8	13.9	13.4	12.0	10.7	9.3	7.9	6.5
kW	2.70	2.65	2.59	2.54	2.51	2.49	2.44	2.38	2.34	2.28	2.23	2.20	2.18	2.12	2.07	2.02	1.97	1.91
Amps	13.1	12.2	11.5	10.9	10.6	10.4	9.9	9.5	9.2	8.8	8.5	8.3	8.2	7.9	7.5	7.1	6.7	6.2
COP	3.73	3.60	3.46	3.30	3.19	3.12	2.96	2.79	2.46	2.33	2.19	2.10	2.04	1.88	1.71	1.53	1.34	1.13
EER	12.7	12.3	11.8	11.3	10.9	10.7	10.1	9.5	8.4	8.0	7.5	7.2	7.0	6.4	5.8	5.2	4.6	3.9
Hi PR	244	234	225	215	210	206	198	190	182	174	167	163	160	154	148	142	137	132
Lo PR	80	74	69	63	60	58	53	47	43	38	33	31	30	25	22	18	16	13

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

GPH1336H21*

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	42.2	40.0	37.6	35.2	33.6	32.6	30.2	27.9	22.4	20.7	19.1	18.0	17.3	15.6	13.8	12.0	10.3	8.4
ΔT	31.3	29.6	27.9	26.1	24.9	24.1	22.4	20.7	16.6	15.3	14.1	13.3	12.8	11.5	10.2	8.9	7.6	6.2
kW	3.12	3.06	3.00	2.93	2.90	2.87	2.82	2.76	2.66	2.60	2.54	2.51	2.49	2.43	2.37	2.31	2.25	2.19
Amps	12.2	11.4	10.8	10.3	10.0	9.8	9.4	9.0	8.7	8.4	8.1	8.0	7.9	7.6	7.2	6.9	6.5	6.1
COP	3.97	3.83	3.68	3.51	3.39	3.31	3.14	2.96	2.47	2.33	2.19	2.10	2.04	1.88	1.70	1.52	1.33	1.12
EER	13.6	13.1	12.6	12.0	11.6	11.3	10.7	10.1	8.4	8.0	7.5	7.2	7.0	6.4	5.8	5.2	4.6	3.8
Hi PR	238	228	220	210	205	201	193	186	178	170	163	159	156	150	145	139	134	129
Lo PR	81	75	70	65	61	59	54	48	43	39	34	32	31	26	22	19	16	13

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

EXPANDED HEATING DATA (CONT.)

GPH1342H21*

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	47.8	45.2	42.6	39.8	38.0	36.8	34.2	31.5	27.2	25.1	23.1	21.8	21.0	18.8	16.7	14.6	12.4	10.2
ΔT	30.5	28.9	27.2	25.4	24.3	23.5	21.8	20.1	17.3	16.0	14.7	13.9	13.4	12.0	10.7	9.3	7.9	6.5
kW	3.32	3.26	3.20	3.14	3.10	3.07	3.01	2.95	2.94	2.88	2.82	2.78	2.76	2.69	2.63	2.57	2.50	2.44
Amps	12.9	12.1	11.5	10.9	10.6	10.4	10.0	9.6	9.3	9.0	8.6	8.5	8.4	8.1	7.7	7.4	7.0	6.5
COP	4.21	4.06	3.89	3.71	3.59	3.51	3.32	3.13	2.70	2.55	2.40	2.29	2.23	2.05	1.86	1.66	1.45	1.22
EER	14.4	13.9	13.3	12.7	12.3	12.0	11.3	10.7	9.2	8.7	8.2	7.8	7.6	7.0	6.4	5.7	5.0	4.2
Hi PR	232	223	214	205	200	196	189	181	173	166	159	155	152	147	141	135	130	126
Lo PR	80	74	69	63	60	58	53	47	43	38	33	31	30	25	22	18	16	13

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

GPH1348H21*

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	56.6	53.6	50.4	47.1	45.0	43.6	40.5	37.4	28.9	26.7	24.6	23.2	22.3	20.0	17.8	15.5	13.2	10.8
ΔT	31.7	30.1	28.3	26.4	25.3	24.5	22.7	21.0	16.2	15.0	13.8	13.0	12.5	11.2	10.0	8.7	7.4	6.1
kW	4.27	4.19	4.12	4.04	4.00	3.97	3.90	3.82	3.58	3.51	3.44	3.40	3.37	3.30	3.23	3.16	3.09	3.02
Amps	21.4	20.0	18.8	17.9	17.3	17.0	16.2	15.5	14.9	14.4	13.8	13.5	13.4	12.8	12.1	11.5	10.9	10.0
COP	3.88	3.74	3.58	3.41	3.29	3.22	3.04	2.86	2.36	2.22	2.09	2.00	1.94	1.78	1.61	1.43	1.25	1.05
EER	13.2	12.8	12.2	11.7	11.3	11.0	10.4	9.8	8.1	7.6	7.1	6.8	6.6	6.1	5.5	4.9	4.3	3.6
Hi PR	244	234	225	215	210	206	198	190	182	174	167	163	160	154	148	142	137	132
Lo PR	77	71	67	61	58	56	51	46	41	37	32	30	29	25	21	18	16	12

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

GPH1360H21*

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	68.4	64.7	60.9	57.0	54.4	52.7	49.0	45.2	36.6	33.8	31.1	29.4	28.3	25.4	22.5	19.6	16.8	13.7
ΔT	33.3	31.5	29.7	27.8	26.5	25.7	23.9	22.0	17.9	16.5	15.2	14.3	13.8	12.4	11.0	9.6	8.2	6.7
kW	5.04	4.94	4.84	4.75	4.69	4.65	4.55	4.46	4.35	4.25	4.16	4.10	4.06	3.96	3.87	3.77	3.67	3.58
Amps	22.1	20.7	19.5	18.6	18.0	17.7	16.9	16.2	15.6	15.1	14.5	14.2	14.1	13.5	12.8	12.2	11.6	10.7
COP	3.97	3.83	3.68	3.51	3.39	3.32	3.15	2.97	2.46	2.33	2.19	2.10	2.04	1.88	1.70	1.52	1.33	1.12
EER	13.6	13.1	12.6	12.0	11.6	11.3	10.8	10.1	8.4	8.0	7.5	7.2	7.0	6.4	5.8	5.2	4.6	3.8
Hi PR	238	228	220	210	205	201	193	186	178	170	163	159	156	150	145	139	134	129
Lo PR	74	69	65	59	56	54	50	44	40	36	31	29	28	24	20	17	15	12

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

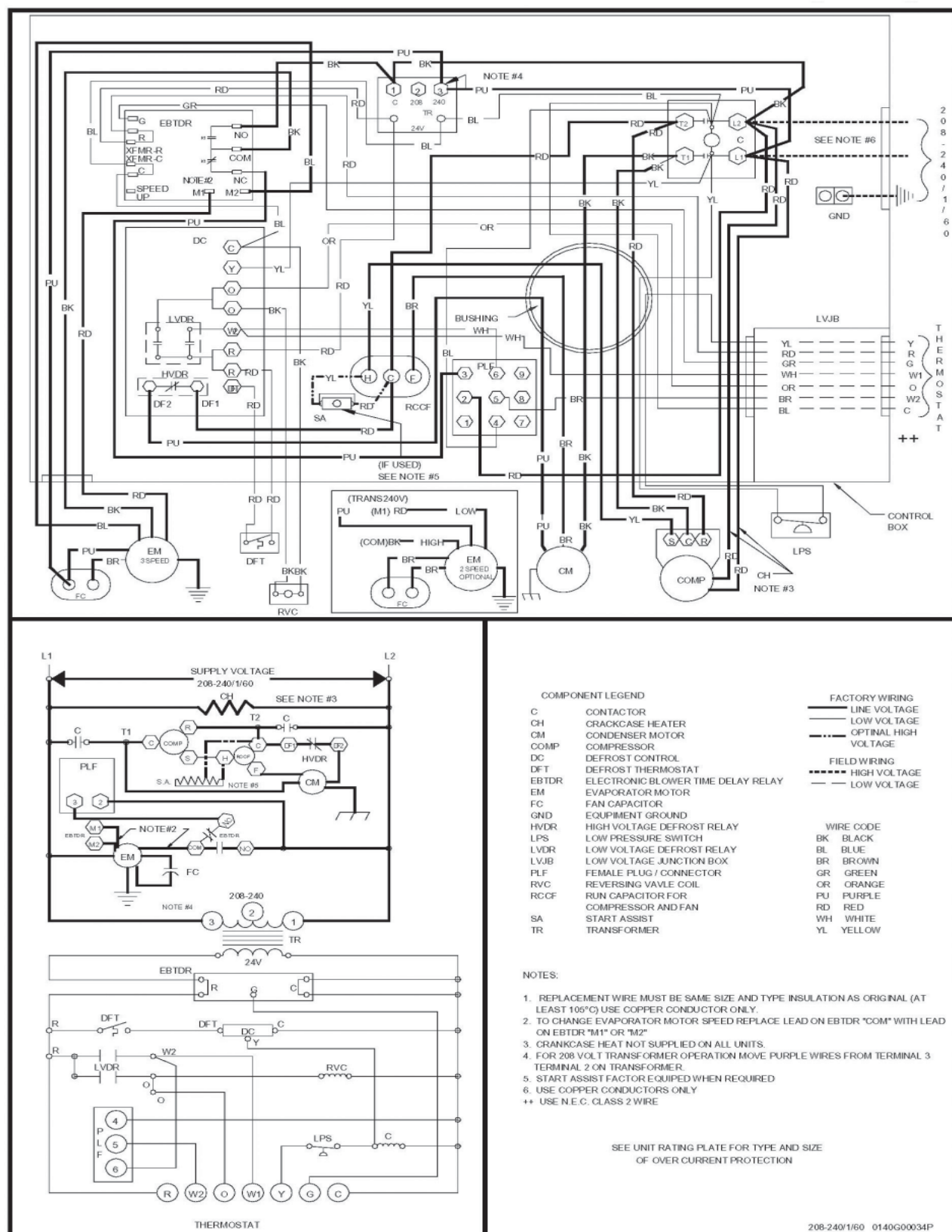
Model and Heat Kit Usage	Circuit #1		Circuit #2		Actual kW / BTU@ 240V
	MCA ¹	MOD ²	MCA ¹	MOD ²	
GPH1324H21A, AB	1.5 / 1.5	--	--	--	--
HKR-05*, HKR-05C*	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	33 / 38	40 / 40	--	--	7 / 23,800
HKR-10*, HKR-10C*	45 / 51	60 / 60	--	--	9.5 / 32,400
GPH1330H21A, AB	2.4 / 2.4	--	--	--	--
HKR-05*, HKR-05C*	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	--	--	7 / 23,800
HKR-10*, HKR-10C*	45 / 52	60 / 60	--	--	9.5 / 32,400
HKR-15*, HKR-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
GPH1336H21A, AB	2.4 / 2.4	--	--	--	--
HKR-05*, HKR-05C*	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	--	--	7 / 23,800
HKR-10*, HKR-10C*	45 / 52	60 / 60	--	--	9.5 / 32,400
HKR-15*, HKR-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
GPH1342H21A, AB	3.9 / 3.9	--	--	--	--
HKR-05*, HKR-05C*	25 / 27	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	--	--	7 / 23,800
HKR-10*, HKR-10C*	46 / 52	60 / 60	--	--	9.5 / 32,400
HKR-15*, HKR-15C*	46 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
HKR-20*, HKR-20C*	46 / 52	60 / 60	43 / 49	60 / 60	19.5 / 66,500
GPH1348H21A, AB	3.9 / 3.9	--	--	--	--
HKR-05*, HKR-05C*	25 / 28	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 40	40 / 40	--	--	7 / 23,800
HKR-10*, HKR-10C*	46 / 53	60 / 60	--	--	9.5 / 32,400
HKR-15*, HKR-15C*	46 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
HKR-20*, HKR-20C*	46 / 52	60 / 60	43 / 49	60 / 60	19.5 / 66,500
GPH1360H21A, AA	6.0 / 6.0	--	--	--	--
HKR-05*, HKR-05C*	26 / 30	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	36 / 40	40 / 40	--	--	7 / 23,800
HKR-10*, HKR-10C*	48 / 54	60 / 60	--	--	9.5 / 32,400
HKR-15*, HKR-15C*	48 / 54	60 / 60	22 / 25	30 / 30	14.25 / 48,600
HKR-20*, HKR-20C*	48 / 54	60 / 60	43 / 49	60 / 60	19.5 / 66,500

¹ Minimum Circuit Ampacity @ 208 / 240V

² Maximum Overcurrent Protection (amps) @ 208 / 240V

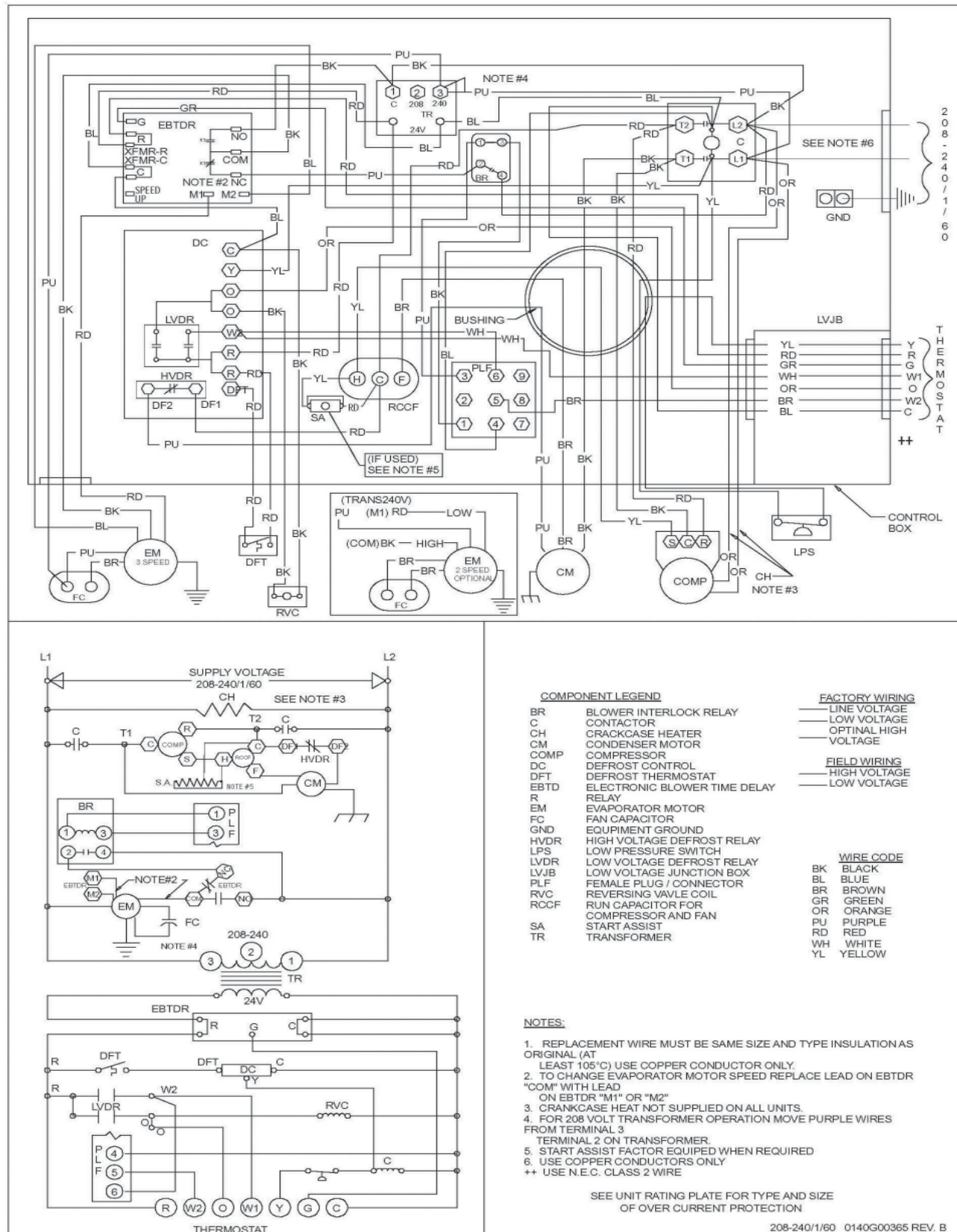
* Indicates revision letter that may or may not be designated

WIRING DIAGRAM — GPH1324-48H21A*



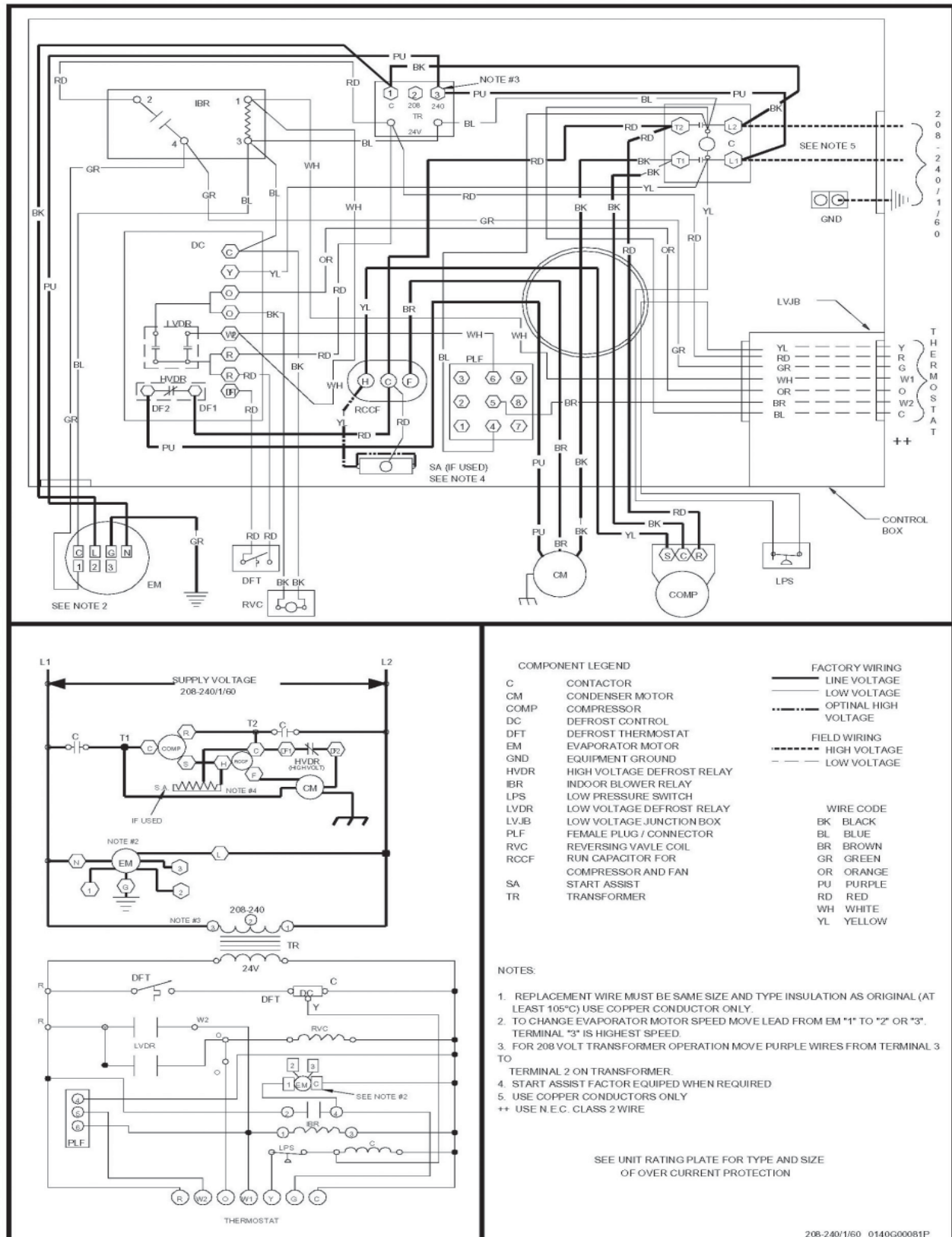
Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAM — GPH1324-48H21AB/AC



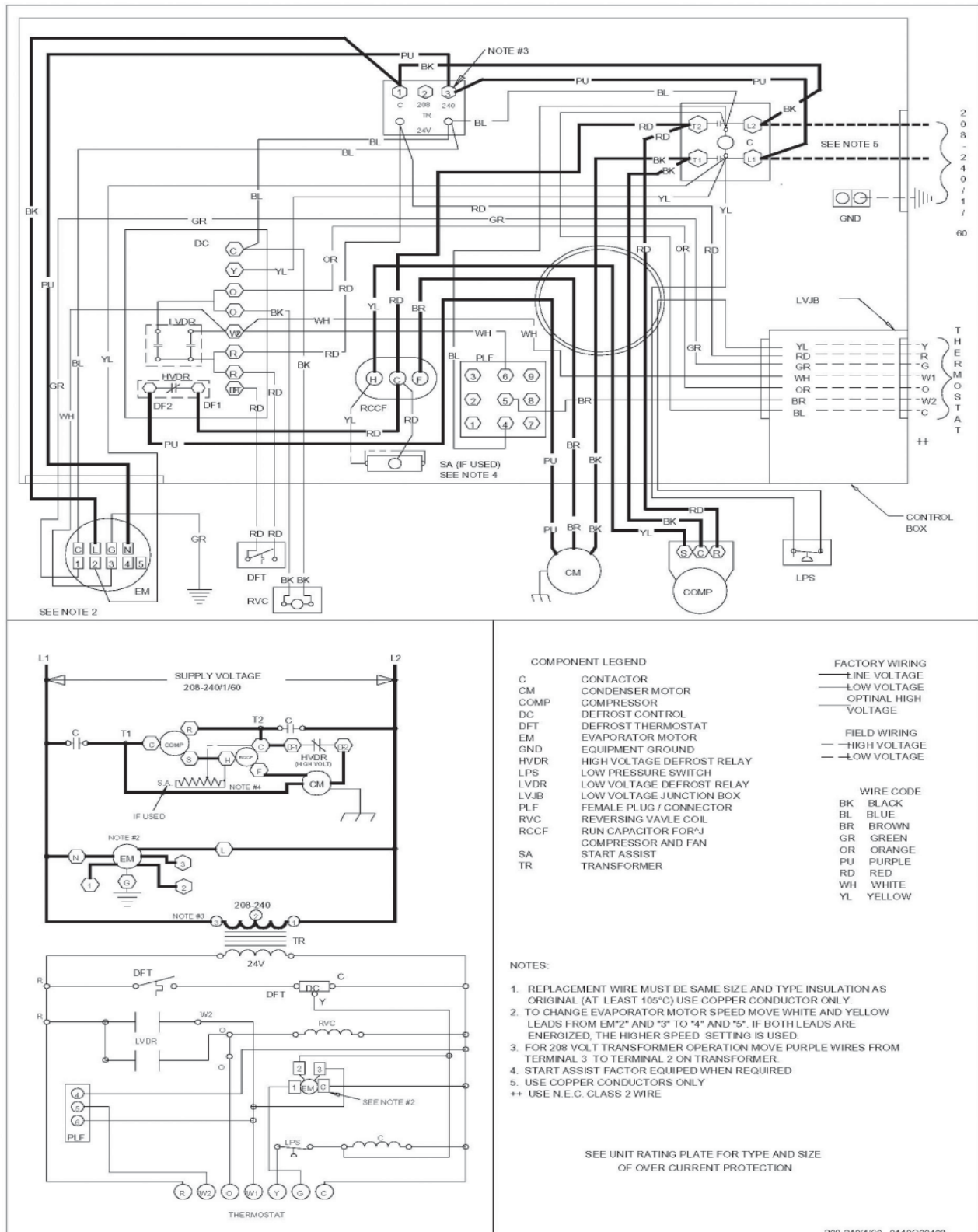
Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAM — GPH1360H21*A*A



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

WIRING DIAGRAM — GPH1360H21AB/AC



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