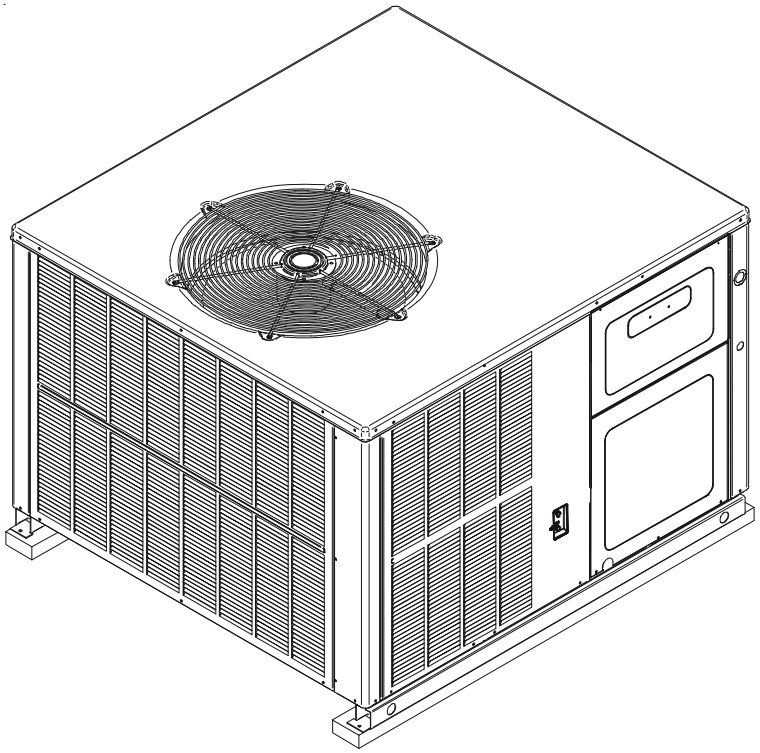
TECHNICAL MANUAL

GPH 13 M Series Multi Position Package Heat Pump Units with R410A

- Refer to Service Manual RS6300008 for installation, operation, and troubleshooting information.
- All safety information must be followed as provided in the Service Manual.
- Refer to the appropriate Parts Catalog for part number information.
- Models listed on page 3.

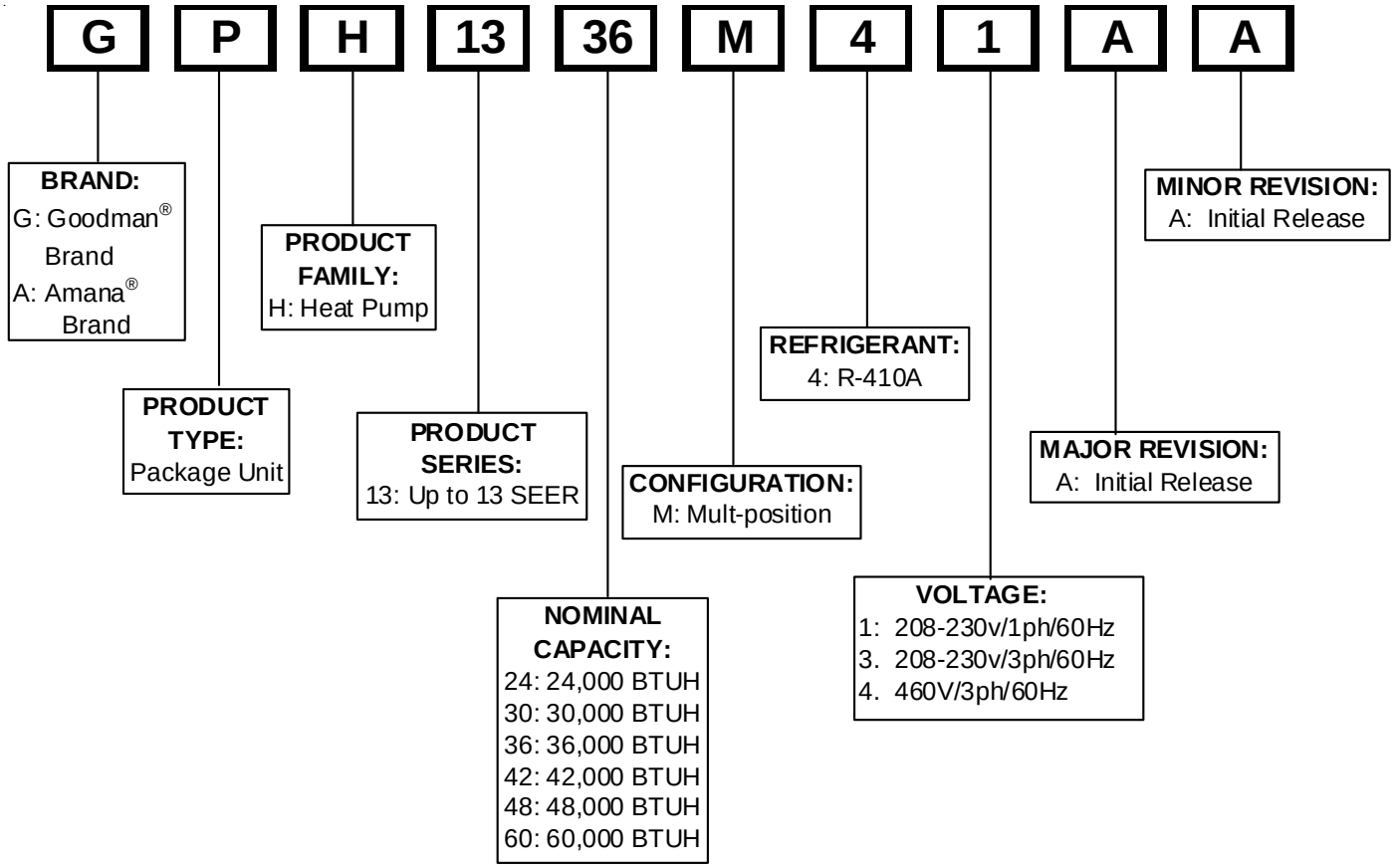


This manual is to be used by qualified, professionally trained HVAC technicians only. Goodman does not assume any responsibility for property damage or personal injury due to improper service procedures or services performed by an unqualified person.

RT6332013r8
March 2013

PRODUCT IDENTIFICATION

The model and manufacturing number are used for positive identification of component parts used in manufacturing. Please use these numbers when requesting service or parts information.



⚠ WARNING

HIGH VOLTAGE!

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

⚠ WARNING **Goodman will not be responsible for any injury or property damage arising from improper service or service procedures. If you install or perform service on this unit, you assume responsibility for any personal injury or property damage which may result. Many jurisdictions require a license to install or service heating and air conditioning equipment.**

⚠ WARNING **Installation and repair of this unit should be performed ONLY by individuals meeting (at a minimum) the requirements of an "entry level technician" as specified by the Air-Conditioning, Heating, and Refrigeration Institute (AHRI). Attempting to install or repair this unit without such background may result in product damage, personal injury or death.**

PRODUCT IDENTIFICATION

The model and manufacturing number are used for positive identification of component parts used in manufacturing. Please use these numbers when requesting service or parts information.

GPH1324M41AB
GPH1330M41AB
GPH1336M41AB
GPH1342M41AB
GPH1348M41AB
GPH1360M41AB
GPH1348M41BA
GPH1360M41BA
GPH1324M41BA
GPH1330M41BA
GPH1336M41BA
GPH1342M41BA

GPH1324M41AC
GPH1330M41AC
GPH1336M41AC
GPH1342M41AC
GPH1348M41AC
GPH1360M41AC

⚠ WARNING **The United States Environmental Protection Agency ("EPA") has issued various regulations regarding the introduction and disposal of refrigerants introduced into this unit. Failure to follow these regulations may harm the environment and can lead to the imposition of substantial fines. These regulations may vary by jurisdiction. Should questions arise, contact your local EPA office.**

⚠ WARNING **Do not connect or use any device that is not design certified by Goodman for use with this unit. Serious property damage, personal injury, reduced unit performance and/or hazardous conditions may result from the use of such non-approved devices.**

⚠ WARNING **To prevent the risk of property damage, personal injury, or death, do not store combustible materials or use gasoline or other flammable liquids or vapors in the vicinity of this appliance.**

PRODUCT DESIGN

GPH13 (M Series) Package Units are designed for outdoor installations only in either residential or light commercial applications and are available in 2, 2.5, 3, 3.5, 4 & 5 ton sizes. They are designed for 208/230 volt single phase applications.

The connecting ductwork (Supply and Return) can be connected for either horizontal or vertical airflow. In the vertical application, a matching Roof Curb is recommended and a horizontal duct cover kit is required.

A return air filter must be installed behind the return air grille(s) or provision must be made for a filter in an accessible location within the return air duct. The minimum filter area should not be less than those sizes listed in the Specification Section. Under no circumstances should the unit be operated without return air filters.

A 3/4" pipe is provided for removal of condensate water from the indoor coil. A trap must be provided to have proper condensate drainage. (Do not reduce the drain line size).

Refrigerant flow control is achieved by use of restrictor orifices.

All heat pump models also have a suction line accumulator installed between the reversing valve and the compressor. The object of the accumulator is to:

1. Provide a liquid refrigerant storage vessel during prolonged system off cycles.
2. Store excess liquid refrigerant not needed by the system while running.
3. Return oil and saturated vapor to the compressor at a controlled rate.
4. Retain stored excess refrigerant during a sudden system pressure fluctuation such as seen in defrost cycles.

Refrigerant flow control is achieved by use of restrictor orifices. These models use the FasTest Access Fitting System, with a saddle that is either soldered to the suction and liquid lines or is fastened with a locking nut to the access fitting box (core) and then screwed into the saddle. **Do not remove the core from the saddle until the refrigerant charge has been removed. Failure to do so could result in property damage or personal injury.**

The single phase units use permanent split capacitor (PSC) design compressors. Starting components are not required for these units. A low microfarad run capacitor assists the compressor to start and remains in the circuit during operation.

The outdoor fan motors are single phase capacitor type motors. Some models use PSC type indoor blower motors while others use EEM type blower motors. EEM motors are energized by a 24V signal from the thermostat and are constant torque motors with very low power consumption.

The EEM features an integral control module.

Air for condensing (cooling cycle) or evaporation (heating cycle) is drawn through the outdoor coil by a propeller fan, and is discharged vertically out the top of the unit. The outdoor coil is designed for .0 static. No additional restriction (ductwork) shall be applied.

Conditioned air is drawn through the filter(s), field installed, across the coil and back into the conditioned space by the indoor blower.

Package Heat Pump indoor sections are designed to accept optional components such as auxiliary electric heaters and circuit breakers. Provisions for these components have been made at time of manufacture.

GPH13 series package units use the Compliant Scroll compressor; there are a number of design characteristics which are different from the traditional reciprocating compressor.

- Due to their design Scroll compressors are inherently more tolerant of liquid refrigerant. **NOTE**: Even though the compressor section of a Scroll compressor is more tolerant of liquid refrigerant, continued flood back or flooded start conditions may wash oil from the bearing surfaces causing premature bearing failure.

- These Scroll compressors use "POE" or polyolester oil which is NOT compatible with mineral oil based lubricants like 3GS. "POE" oil must be used if additional oil is required.

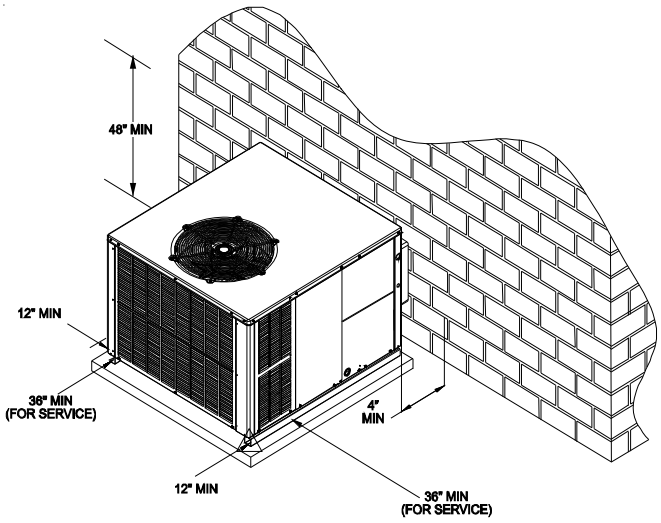
- Compliant scroll compressors perform “quiet” shutdowns that allow the compressor to restart immediately without the need for a time delay. This compressor will restart even if the system has not equalized.

- Operating pressures and amp draws may differ from standard reciprocating compressors. This information may be found in the “Cooling Performance Data” section.

Location and Clearances

NOTE: To ensure proper condensate drainage, unit must be installed in a level position.

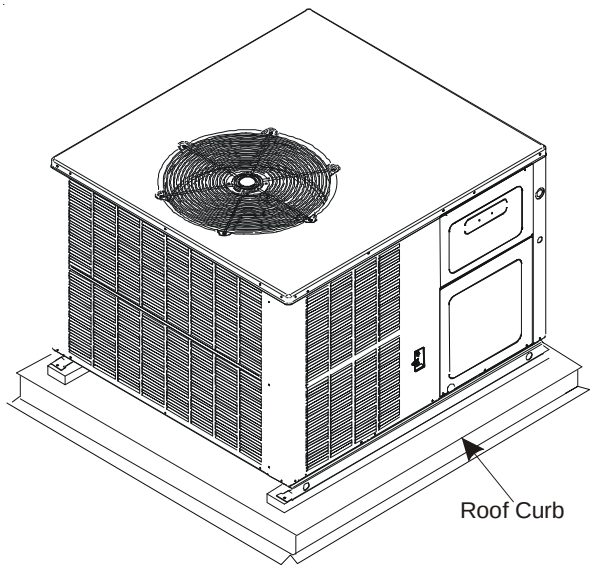
PRODUCT DESIGN



Outside Slab Installation -Multi-positional (M)

NOTE: Roof overhang should be no more than 36" and provisions made to deflect the warm discharge air out from the overhang.

Minimum clearances are required to avoid air recirculation and keep the unit operating at peak efficiency.



Rooftop Installation - -Multi-positional (M)

NOTE: To ensure proper condensate drainage, unit must be installed in a level position.

In installations where the unit is installed above ground level and not serviceable from the ground (Example: roof top installations) the installer must provide service platform for service person with rails or guards in accordance with local codes or ordinances, or, in their absence, with the latest edition of the Uniform Mechanical Code Section 305.

NOTE: Unit can also use roof curb (and platform for leveling, where necessary) to utilize bottom discharge.

WARNING

TO PREVENT POSSIBLE PROPERTY DAMAGE, THE UNIT SHOULD REMAIN IN AN UPRIGHT POSITION DURING ALL RIGGING AND MOVING OPERATIONS. TO FACILITATE LIFTING AND MOVING IF A CRANE IS USED, PLACE THE UNIT IN AN ADEQUATE CABLE SLING.

IMPORTANT: If using bottom discharge with roof curb, ductwork should be attached to the curb prior to installing the unit.

NOTE: Single phase models require installation of horizontal duct kit #20464501PDGK (medium chassis) and #20464502PDGK (large chassis) when using bottom discharge.

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

HKR ELECTRICAL DATA

	Circuit #1		Circuit #2		Actual kW & BTU at 240V
	Minimum Circuit Ampacity at 208 / 240V	Maximum Overcurrent Protection (amps) at 208 / 240V	Minimum Circuit Ampacity at 208 / 240V	Maximum Overcurrent Protection (amps) at 208 / 240V	
GPH1324M41*					
HKR05A,CA	24 / 27	30 / 30	---	----	4.75 / 16,200
HKR08A,CA	33 / 28	40 / 40	---	----	7.00 / 23,800
HKR10A,CA	45 / 51	60 / 60	---	----	9.50 / 32,400
GPH1330M41*					
HKR05A,CA	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR08A,CA	34 / 39	40 / 40	--	--	7.0 / 23,800
HKR10A,CA	45 / 52	60 / 60	--	--	9.5 / 32,400
HKR/P15A,CA	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
GPH1336M41*					
HKR05A,CA	24 / 27	30 / 30	---	----	4.75 / 16,200
HKR08A,CA	34 / 39	40 / 40	---	----	7.00 / 23,800
HKR10A,CA	45 / 52	60 / 60	---	----	9.50 / 32,400
HKR/P15A,CA	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
GPH1342M41*					
HKR05A,CA	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR08A,CA	34 / 39	40 / 40	--	--	7.0 / 23,800
HKR10A,CA	45 / 52	60 / 60	--	--	9.5 / 32,400
HKR/P15A,CA	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
GPH1348M41*					
HKR05A,CA	25 / 28	30 / 30	---	----	4.75 / 16,200
HKR08A,CA	34 / 40	40 / 40	---	----	7.00 / 23,800
HKR10A,CA	46 / 53	60 / 60	---	----	9.50 / 32,400
HKR/P15A,CA	46 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
HKR/P20A,CA	46 / 52	60 / 60	43 / 49	60 / 60	19.50 / 66,500
GPH1360M41*					
HKR05A,CA	26 / 30	30 / 30	---	----	4.75 / 16,200
HKR08A,CA	36 / 40	40 / 40	---	----	7.00 / 23,800
HKR10A,CA	48 / 54	60 / 60	---	----	9.50 / 32,400
HKR/P15A,CA	48 / 54	60 / 60	22 / 25	30 / 30	14.25 / 48,600
HKR/P20A,CA	48 / 54	60 / 60	43 / 49	60 / 60	19.50 / 66,500

Heating kW Correction Factor

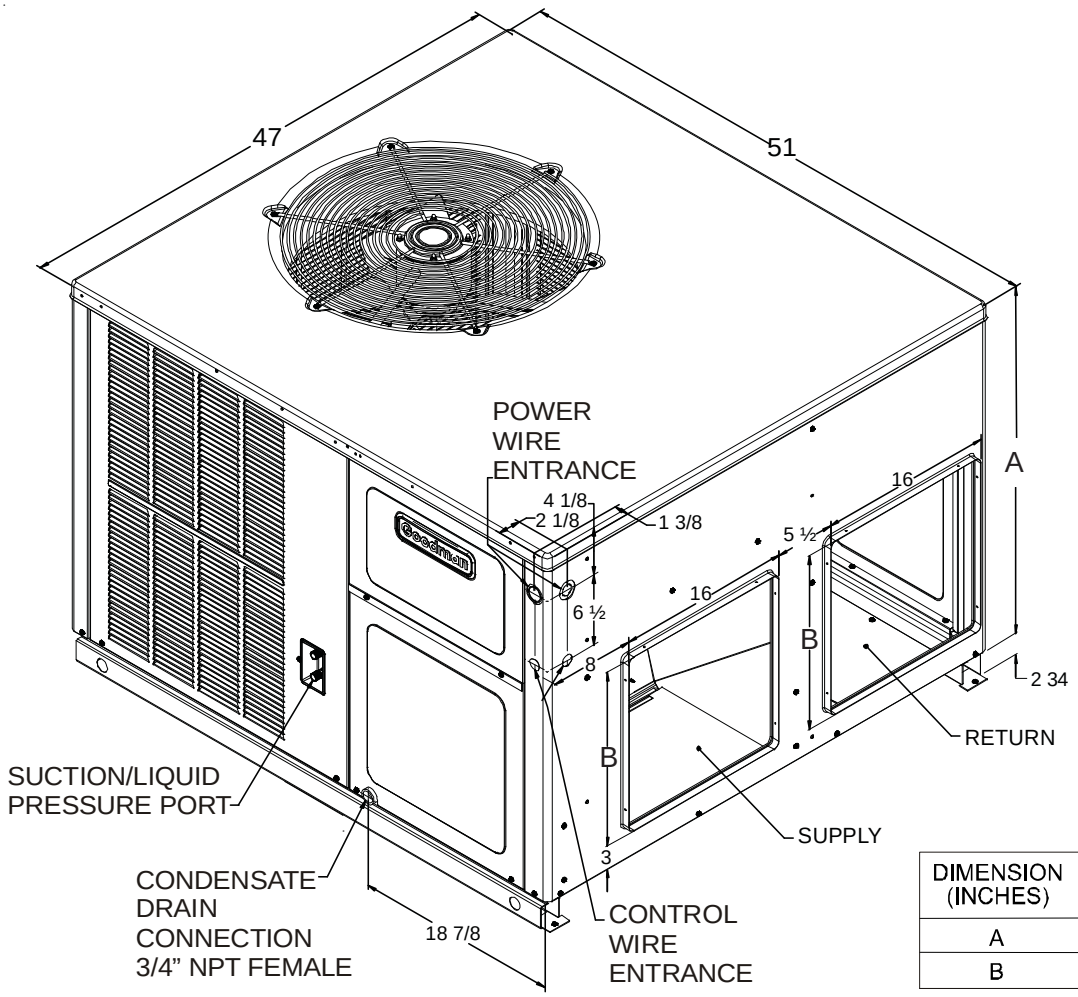
Supply Votage	240	230	220	210	208
Correction Factor	1.0	0.93	0.85	0.78	0.76

Multiply rated kW by correction factor to get actual kW

⚠ WARNING **All wires and overcurrent protection devices are sized for use with electric heaters only and without refrigeration. If heaters are not installed with above wire size, overheating and fire could occur. See PACKAGE UNIT SPECIFICATIONS section for minimum circuit ampacity and maximum overcurrent protection during refrigeration cycle.**

PRODUCT DIMENSIONS

GPH13[24-60]M41*



DIMENSION (INCHES)	MEDIUM	LARGE
A	32	40
B	16	18

MEDIUM CHASSIS

GPH1324M41*

GPH1330M41*

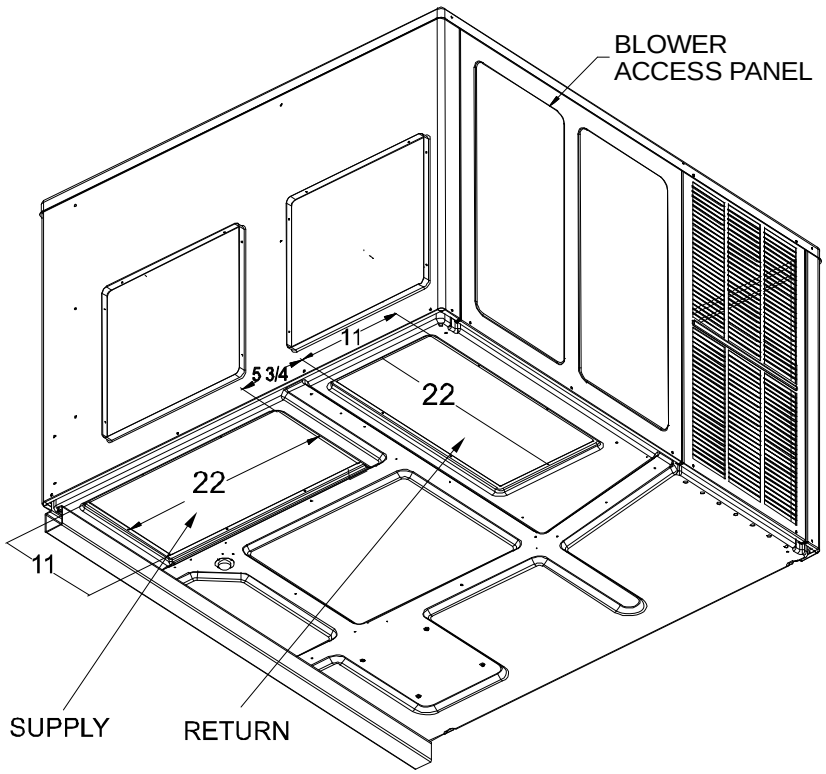
GPH1336M41*

GPH1342M41*

LARGE CHASSIS

GPH1348M41*

GPH1360M41*



PACKAGE HEAT PUMP SPECIFICATIONS

GPH1324M41AB/AC/BA
GPH1330M41AB/AC/BA
GPH1336M41AB/AC/BA

		GPH1324M41*	GPH1330M41*	GPH1336M41*
COOLING CAPACITY	COOLING CAPACITY, BTUH	24,000	29,000	34600
	SEER / EER	13/11	13/10.8	13/10.9
HEATING RATING	BTU/h (47°)	23000	28800	34200
	BTU/h (17°)	12600	17000	19000
	HSPF	7.7	7.7	7.7
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208/230-60-1	208/230-60-1	208/230-60-1
	AMPS	15.8	19.0	21.3
	MIN CIRCUIT AMPACITY	19.0	23.0	25.4
	MAX OVERCURRENT PROTECTION (1)	30	35	40
COMPRESSOR	TYPE	SCROLL	SCROLL	SCROLL
	RATED LOAD AMPS	12.8	16.0	16.7
	LOCKED ROTOR AMPS	58.3	77	79
CONDENSER FAN MOTOR	HORSEPOWER	1/4	1/4	1/4
	RPM	830	830	830
	FULL LOAD AMPS	1.5	1.5	1.5
	LOCKED ROTOR AMPS	3	3	3
CONDENSER FAN	BLADE DIAMETER (INCHES) NUMBER OF BLADES	22/3	22/3	22/4
CONDENSER COIL	FACE AREA (SQ. FT.)	17.02	17.02	16.83
	NUMBER OF ROWS	1	1	1
	FINS PER INCH	24	24	22
EVAPORATOR BLOWER MOTOR	HORSEPOWER - NUMBER OF SPEEDS	1/4 - 3	1/3 - 3	1/3 - 3
	FULL LOAD AMPS	1.5	1.5	3.06
	LOCKED ROTOR AMPS	2.13	3.2	4.1
	MOTOR SPEED TAP - COOLING X-13	High	High	High
	RPM	952	869	910
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	10 x 9	10 x 9	10 x 9
	RATED SCFM COOLING	825	1050	1150
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5	0.5
EVAPORATOR COIL	FACE AREA (SQ. FT.)	4.52	4.52	4.52
	NUMBER OF ROWS	4	4	4
	FINS PER INCH	16	16	14
GENERAL INFORMATION	FILTER SIZE *	25 x 25 x 1	25 x 25 x 1	25 x 25 x 1
	DRAIN SIZE (INCHES)	3/4"	3/4"	3/4"
	EXPANSION DEVICE (ID/OD)	0.057/0.045	0.070/0.055	0.071/0.057
	REFRIGERANT CHARGE R410A (OZS.)	110	115	135
	POWER SUPPLY CONDUIT KNOCKOUT SIZE (INCHES)	3/4, 1, 1-1/4	3/4, 1, 1-1/4	3/4, 1, 1-1/4
	LOW VOLTAGE CONDUIT KNOCKOUT SIZE (INCHES)	1/2	1/2	1/2
	LO PRESSURE SWITCH OPENS / CLOSES PSIG	22 / 50	22 / 50	22 / 50
	HI PRESSURE SWITCH - OPENS PSIG OPENS / CLOSES PSIG	660 / 420	660 / 420	660 / 420
	SHIPPING WEIGHT (LBS.)	405	410	435
	OPERATING WEIGHT (LBS.)	395	400	425

(1) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
* Calculated external filter size based on air velocity of 300 ft/min.

Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.
Unit specifications are subject to change without notice. **ALWAYS** refer to the units serial plate for the most up-to-date general and electrical information.
IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes. Data shown is w/o electric heaters.

GPH1342M41AB/AC/BA
GPH1348M41AB/AC/BA
GPH1360M41AB/AC/BA

PACKAGE HEAT PUMP SPECIFICATIONS

		GPH1342M41*	GPH1348M41*	GPH1360M41*
COOLING	COOLING CAPACITY, BTUH	40000	46500	56000
CAPACITY	SEER / EER	13/11	13/11	13/10.9
HEATING	BTU/h (47°)	40000	45500	55500
RATING	BTU/h (17°)	21000	26000	31200
	HSPF	7.7	8.0	8.0
UNIT	VOLTAGE (NAMEPLATE)	208/230-60-1	208/230-60-1	208/230-60-1
ELECTRICAL	AMPS	22.4	29.0	35.4
SPECIFICATION	MIN CIRCUIT AMPACITY	26.8	34.5	42.0
	MAX OVERCURRENT PROTECTION [1]	40	50	60
COMPRESSOR	TYPE	SCROLL	SCROLL	SCROLL
	RATED LOAD AMPS	17.9	21.8	26.4
	LOCKED ROTOR AMPS	112	117	134
CONDENSER	HORSEPOWER	1/4	1/4	1/4
FAN MOTOR	RPM	1075	1075	1075
	FULL LOAD AMPS	1.4	1.4	1.4
	LOCKED ROTOR AMPS	2.9	2.9	2.9
CONDENSER FAN	BLADE DIAMETER (INCHES) NUMBER OF BLADES	22/3	22/3	22/3
CONDENSER	FACE AREA (SQ. FT.)	16.83	19.24	21.04
COIL	NUMBER OF ROWS	2	2	2
	FINS PER INCH	16	16	16
EVAPORATOR	HORSEPOWER - NUMBER OF SPEEDS	1/3 - 3	3/4 - 5	1 - 5
BLOWER	FULL LOAD AMPS	3.06	5.8	7.6
MOTOR	LOCKED ROTOR AMPS	4.1	---	---
	MOTOR SPEED TAP - COOLING X-13	High	T2/T3	T2/T3
	RPM	910	1050	1050
EVAPORATOR	DIAMETER X WIDTH (INCHES)	10 x 9	10 x 9	10 x 9
BLOWER	RATED SCFM COOLING	1300	1720	1800
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5	0.5
EVAPORATOR	FACE AREA (SQ. FT.)	4.52	6.17	6.17
COIL	NUMBER OF ROWS	4	4	4
	FINS PER INCH	14	14	14
GENERAL	FILTER SIZE *	25 x 25 x 1	(2) 20 x 20 x 1	(2) 20 x 20 x 1
INFORMATION	DRAIN SIZE (INCHES)	3/4"	3/4"	3/4"
	EXPANSION DEVICE (ID/OD)	0.072/0.063	0.080/0.065	0.084/0.076
	REFRIGERANT CHARGE R410A (OZS.)	180	190	220
	POWER SUPPLY CONDUIT KNOCKOUT SIZE (INCHES)	3/4, 1, 1-1/4	3/4, 1, 1-1/4	3/4, 1, 1-1/4
	LOW VOLTAGE CONDUIT KNOCKOUT SIZE (INCHES)	1/2	1/2	1/2
	LO PRESSURE SWITCH OPENS / CLOSES PSIG	22 / 50	22 / 50	22 / 50
	HI PRESSURE SWITCH - OPENS PSIG OPENS / CLOSES PSIG	660 / 420	660 / 420	660 / 420
	SHIPPING WEIGHT (LBS.)	440	520	533
	OPERATING WEIGHT (LBS.)	430	510	523

[1] Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
* Calculated external filter size based on air velocity of 300 ft/min.

Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.
Unit specifications are subject to change without notice. **ALWAYS** refer to the units serial plate for the most up-to-date general and electrical information.
IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes. Data shown is w/o electric heaters.

ACCESSORIES GPH13[24-60]M41*

ACCESSORIES - GPC/GPH****M MODELS	
Part Number	**Description**
OT18-60A	Outdoor Thermostat Kit w/Lockout Stat
OT/EHR18-60	Emergency Heat Relay Kit
HKR	Electric Heat Kit
PGC101/102/103	Roof Curb
PEHH101/102	Horizontal Economizer For Heat Pump, Small and Medium Chassis
PEHH103	Horizontal Economizer For Heat Pump, Large Chassis
PEHC101/102	Horizontal Economizer For A/C, Small and Medium Chassis
PEHC103	Horizontal Economizer For A/C, Large Chassis
PGMDD101/102	Manual 25% Fresh Air Damper Downflow Application, Small and Medium Chassis
PGMDD103	Manual 25% Fresh Air Damper Downflow Application, Large Chassis
PGMDH102	Manual 25% Fresh Air Damper Horizontal Application, Medium Chassis
PGMDH103	Manual 25% Fresh Air Damper Horizontal Application, Large Chassis
PGMDMD101/102	Motorized 25% Fresh Air Damper Downflow Application,Small and Medium Chassis
PGMDMD103	Motorized 25% Fresh Air Downflow Application, Large Chassis
PGMDMH102	Motorized 25% Fresh Air Damper Horizontal Application, Medium Chassis
PGMDMH103	Motorized 25% Fresh Air Damper Horizontal Application, Large Chassis
GPC13MED102	Downflow Economizer For A/C, Medium Chassis
GPC13MED103	Downflow Economizer For A/C, Large Chassis
GPH13MED102	Downflow Economizer For Heat Pump, Medium Chassis
GPH13MED103	Downflow Economizer For Heat Pump, Large Chassis
GPH13MFR102	Internal Filter Rack, Medium Chassis
GPH13MFR103	Internal Filter Rack, Large Chassis
GPGHFR101-103	External Horizontal Filter Rack for Goodman/Amana Gas/Electric and Multi-position Package Units All Chassis
SQRPG101/102	Square to Round Adapter w/ 16" Round Downflow Application, Medium Chassis
SQRPG103	Square to Round Adapter w/ 18" Round Downflow Application, Large Chassis
SQRPGH101/102	Square to Round Adapter w/ 16" Round Horizontal Application, Medium Chassis
SQRPGH103	Square to Round Adapter w/ 18" Round Horizontal Application, Large Chassis
CDK36	Flush Mount Concentric Duct Kit
CDK36515	Flush Mount Concentric Duct Kit w/ Filter
CDK36530	Step Down Concentric Duct Kit
CDK36535	Step Down Concentric Duct Kit w/ Filter
CDK4872	Flush Mount Concentric Duct Kit
CDK4872515	Flush Mount Concentric Duct Kit w/ Filter
CDK4872530	Step Down Concentric Duct Kit
CDK4872535	Step Down Concentric Duct Kit w/ Filter
SPK30-60	Single Point Wiring Kit

NOTE: *Complete lineup of thermostats can be found in the Thermostat Specification Sheets.*

BLOWER PERFORMANCE DATA GPH13[24-60]M41*

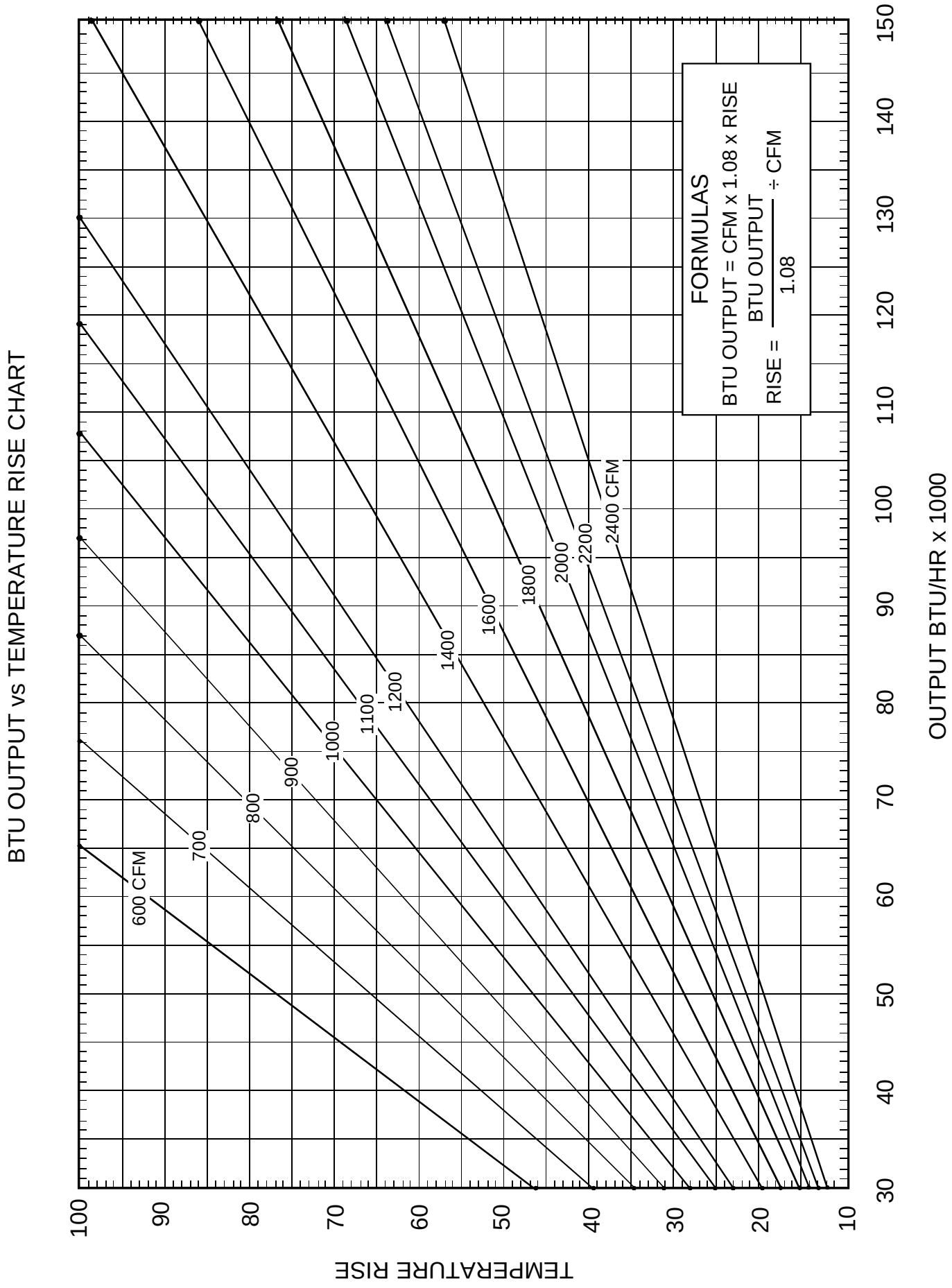
Dry Coil Data

Model	Speed	Volts		E.S.P (In. of H_2O)							
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
GPH1324M41A/B*	Low	230	CFM	667	596	--------	--------	--------	--------	--------	--------
			WATTS	153	150	--------	--------	--------	--------	--------	--------
	Med	230	CFM	897	841	784	713	610	--------	--------	--------
			WATTS	233	229	224	217	207	--------	--------	--------
	High	230	CFM	1242	1181	1122	1057	982	883	719	617
			WATTS	373	364	354	344	333	318	298	284
GPH1330M41A/B*	Low	230	CFM	1097	1059	1016	959	901	818	648	562
			WATTS	337	330	324	315	305	290	271	257
	Med	230	CFM	1253	1204	1148	1097	1033	952	777	670
			WATTS	397	388	379	369	356	342	313	297
	High	230	CFM	1448	1380	1323	1258	1194	1106	1008	864
			WATTS	499	483	472	459	446	427	410	382
GPC1336M41A/B*	Low	230	CFM	1122	1078	1032	972	915	804	687	558
			WATTS	338	330	321	310	300	283	264	250
	Med	230	CFM	1387	1331	1264	1209	1119	1041	935	748
			WATTS	456	440	428	412	399	382	363	330
	High	230	CFM	1521	1454	1388	1311	1230	1144	1055	939
			WATTS	534	521	510	490	477	461	442	420
GPH1342M41A/B*	Low	230	CFM	1122	1078	1032	972	915	804	687	558
			WATTS	338	330	321	310	300	283	264	250
	Med	230	CFM	1387	1331	1264	1209	1119	1041	935	748
			WATTS	456	440	428	412	399	382	363	330
	High	230	CFM	1521	1454	1388	1311	1230	1144	1055	939
			WATTS	534	521	510	490	477	461	442	420
GPH1348M41A*	T1 (G)	230	CFM	1,440	1,395	1,360	1,310	1,265	1,235	1,190	1,130
			WATTS	275	285	295	315	325	335	345	355
	T2 / T3 (W2)	230	CFM	1,795	1,765	1,715	1,695	1,650	1,600	1,500	1,375
			WATTS	475	490	505	520	530	535	510	475
	T4 / T5 (Y)	230	CFM	1,860	1,820	1,785	1,745	1,700	1,625	1,515	1,395
			WATTS	515	530	545	565	570	550	535	485
GPH1360M41A*	T1 (G)	230	CFM	1,755	1,720	1,685	1,645	1,615	1,570	1,530	1,465
			WATTS	420	435	455	460	475	490	500	500
	T2 / T3 W2	230	CFM	1,850	1,820	1,775	1,735	1,705	1,675	1,610	1,495
			WATTS	480	500	515	525	535	555	545	520
	T4 / T5 Y	230	CFM	2,180	2,125	2,050	1,975	1,875	1,800	1,655	1,530
			WATTS	770	755	725	700	675	640	575	540
GPH1348M41B*	T1 (G)	230	CFM	1451	1404	1356	1309	1262	1215	1168	1121
			WATTS	255	264	273	282	291	299	308	317
	T2 / T3 (W2)	230	CFM	1809	1762	1715	1667	1620	1573	1526	1479
			WATTS	444	453	462	471	479	488	497	506
	T4 / T5 (Y)	230	CFM	1885	1838	1790	1743	1696	1649	1602	1555
			WATTS	484	493	502	510	519	528	537	546
GPH1360M41B*	T1 (G)	230	CFM	1774	1731	1688	1645	1602	1559	1515	1472
			WATTS	444	453	463	473	483	493	503	512
	T2 / T3 W2	230	CFM	1891	1848	1804	1761	1718	1675	1632	1589
			WATTS	515	525	535	544	554	564	574	584
	T4 / T5 Y	230	CFM	2105	2062	2018	1975	1932	1889	1846	1803
			WATTS	646	656	666	676	686	696	705	715

NOTES:

- Data shown is Dry Coil. Wet Coil Pressure Drop is approximate. 0.1" H_2O, for 2 row indoor coil; 0.2" H_2O, for 3 row indoor coil; and 0.3" H_2O, for 4 row indoor coil.
- Data shown does not include filter pressure drop, approx. 0.08" H_2O.
- ALL MODELS SHOULD RUN NO LESS THAN 350 CFM / TON.
- Reduce airflow by 2% for 208V operation.

BLOWER PERFORMANCE DATA



MODEL: GPH1324M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	927	MBh	23.5	24.4	26.7	-	23.0	23.8	26.1	-	22.4	23.2	25.5	-	21.9	22.7	24.8	-	20.8	21.5	23.6	-	19.3	20.0	21.9	-
		S/T	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.89	0.74	0.51	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	1.69	1.73	1.78	-	1.82	1.85	1.91	-	1.93	1.97	2.03	-	2.02	2.06	2.13	-	2.10	2.15	2.21	-	2.17	2.22	2.29	-
		AMPS	7.4	7.5	7.7	-	7.8	8.0	8.2	-	8.4	8.5	8.8	-	8.8	9.0	9.3	-	9.3	9.5	9.8	-	9.8	10.0	10.3	-
		HI PR	231	249	263	-	259	279	295	-	295	317	335	-	336	361	382	-	378	407	429	-	417	449	474	-
		LO PR	113	120	131	-	119	127	138	-	124	132	144	-	130	138	151	-	136	145	158	-	141	150	164	-
	825	MBh	22.8	23.7	25.9	-	22.3	23.1	25.3	-	21.8	22.6	24.7	-	21.2	22.0	24.1	-	20.2	20.9	22.9	-	18.7	19.4	21.2	-
		S/T	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.71	0.49	-
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
		KW	1.68	1.72	1.77	-	1.80	1.84	1.90	-	1.91	1.95	2.01	-	2.00	2.05	2.11	-	2.09	2.13	2.20	-	2.15	2.20	2.27	-
		AMPS	7.3	7.4	7.6	-	7.8	7.9	8.1	-	8.3	8.5	8.7	-	8.8	9.0	9.2	-	9.2	9.4	9.7	-	9.7	9.9	10.2	-
		HI PR	229	246	260	-	257	276	292	-	292	314	332	-	333	358	378	-	374	403	425	-	413	445	470	-
		LO PR	111	119	129	-	118	125	137	-	122	130	142	-	129	137	149	-	135	143	157	-	139	148	162	-
	723	MBh	21.1	21.8	23.9	-	20.6	21.3	23.4	-	20.1	20.8	22.8	-	19.6	20.3	22.3	-	18.6	19.3	21.1	-	17.3	17.9	19.6	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		Delta T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
		KW	1.64	1.68	1.73	-	1.76	1.80	1.85	-	1.87	1.90	1.96	-	1.96	2.00	2.06	-	2.04	2.08	2.14	-	2.10	2.15	2.22	-
		AMPS	7.1	7.3	7.5	-	7.6	7.7	8.0	-	8.1	8.3	8.5	-	8.6	8.8	9.0	-	9.0	9.2	9.5	-	9.5	9.7	10.0	-
		HI PR	222	239	252	-	249	268	283	-	283	305	322	-	323	347	367	-	363	390	412	-	401	431	456	-
		LO PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-
75	927	MBh	23.9	24.6	26.7	28.6	23.4	24.1	26.0	27.9	22.8	23.5	25.4	27.3	22.2	**22.9**	24.8	26.6	21.1	21.8	23.6	25.3	19.6	20.2	21.8	23.4
		S/T	0.88	0.78	0.59	0.38	0.91	0.81	0.61	0.40	0.93	0.83	0.63	0.41	0.96	**0.86**	0.65	0.42	1.00	0.89	0.68	0.43	1.00	0.90	0.68	0.44
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	19	18	15	10
		KW	1.71	1.74	1.79	1.85	1.83	1.87	1.93	1.99	1.94	1.98	2.04	2.11	2.04	**2.08**	2.14	2.21	2.12	2.16	2.23	2.30	2.19	2.24	2.31	2.38
		AMPS	7.4	7.6	7.7	8.0	7.9	8.0	8.3	8.5	8.4	8.6	8.8	9.1	8.9	**9.1**	9.4	9.7	9.4	9.6	9.9	10.2	9.9	10.1	10.4	10.7
		HI PR	233	251	265	277	262	282	298	310	298	321	338	353	339	**365**	386	402	382	411	434	452	422	454	479	500
		LO PR	114	121	132	141	120	128	140	149	125	133	145	154	131	**140**	152	162	138	146	160	170	142	151	165	176
	825	MBh	23.2	23.9	25.9	27.8	22.7	23.4	25.3	27.1	22.1	22.8	24.7	26.5	21.6	**22.2**	24.1	25.8	20.5	21.1	22.9	24.5	19.0	19.6	21.2	22.7
		S/T	0.84	0.75	0.57	0.36	0.87	0.77	0.59	0.38	0.89	0.79	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	11	22	20	16	11	20	19	15	11
		KW	1.70	1.73	1.78	1.83	1.82	1.85	1.91	1.97	1.93	1.97	2.03	2.09	2.02	**2.06**	2.13	2.20	2.10	2.15	2.21	2.29	2.17	2.22	2.29	2.36
		AMPS	7.4	7.5	7.7	7.9	7.8	8.0	8.2	8.4	8.4	8.5	8.8	9.1	8.8	**9.0**	9.3	9.6	9.3	9.5	9.8	10.1	9.8	10.0	10.3	10.6
		HI PR	231	249	263	274	259	279	295	307	295	317	335	350	336	**361**	382	398	378	407	429	448	418	449	474	495
		LO PR	113	120	131	139	119	127	138	147	124	132	144	153	130	**138**	151	161	136	145	158	168	141	150	164	174
	723	MBh	21.4	22.1	23.9	25.6	20.9	21.6	23.3	25.0	20.4	21.0	22.8	24.4	19.9	**20.5**	22.2	23.8	18.9	19.5	21.1	22.7	17.5	18.1	19.6	21.0
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	**0.79**	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Delta T	22	20	17	11	22	20	17	12	22	21	17	12	22	**21**	17	12	22	20	17	12	21	19	16	11
		KW	1.66	1.69	1.74	1.79	1.78	1.81	1.87	1.92	1.88	1.92	1.98	2.04	1.97	**2.01**	2.08	2.14	2.05	2.10	2.16	2.23	2.12	2.16	2.23	2.31
		AMPS	7.2	7.3	7.5	7.7	7.7	7.8	8.0	8.3	8.2	8.4	8.6	8.8	8.6	**8.8**	9.1	9.4	9.1	9.3	9.6	9.9	9.6	9.8	10.0	10.4
		HI PR	224	241	255	266	252	271	286	298	286	308	325	339	326	**351**	370	386	367	394	417	434	405	436	460	480
		LO PR	109	116	127	135	115	123	134	143	120	128	139	148	126	**134**	146	156	132	140	153	163	137	145	159	169

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

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

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

MODEL: GPH1324M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	927	MBh	24.3	24.9	26.6	28.4	23.8	24.3	26.0	27.7	23.2	23.7	25.3	27.1	22.6	23.1	24.7	26.4	21.5	22.0	23.5	25.1	19.9	20.4	21.8	23.3
		S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.84	0.62	1.00	1.00	0.84	0.63
		Delta T	23	22	19	15	24	23	20	16	23	23	20	16	22	23	20	16	21	22	19	16	20	20	18	15
		KW	1.72	1.76	1.81	1.86	1.85	1.88	1.94	2.00	1.96	2.00	2.06	2.12	2.05	2.10	2.16	2.23	2.14	2.18	2.25	2.32	2.21	2.25	2.33	2.40
		AMPS	7.5	7.6	7.8	8.0	7.9	8.1	8.3	8.6	8.5	8.7	8.9	9.2	9.0	9.2	9.4	9.7	9.5	9.7	9.9	10.3	9.9	10.2	10.4	10.8
		HI PR	236	254	268	279	265	285	301	314	301	324	342	357	343	369	389	406	386	415	438	457	426	458	484	505
		LO PR	115	122	133	142	121	129	141	150	126	134	147	156	133	141	154	164	139	148	161	172	144	153	167	178
	825	MBh	23.6	24.1	25.8	27.6	23.1	23.6	25.2	26.9	22.5	23.0	24.6	26.3	22.0	22.5	**24.0**	25.7	20.9	21.3	22.8	24.4	19.3	19.8	21.1	22.6
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.97	0.91	0.74	0.56	1.00	0.94	**0.77**	0.57	1.00	0.98	0.80	0.60	1.00	0.99	0.80	0.60
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	24	**21**	16	23	23	20	16	22	22	19	15
		KW	1.71	1.74	1.79	1.85	1.83	1.87	1.93	1.99	1.94	1.98	2.04	2.11	2.04	2.08	**2.15**	2.21	2.12	2.16	2.23	2.30	2.19	2.24	2.31	2.38
		AMPS	7.4	7.6	7.7	8.0	7.9	8.0	8.3	8.5	8.4	8.6	8.8	9.1	8.9	9.1	**9.4**	9.7	9.4	9.6	9.9	10.2	9.9	10.1	10.4	10.7
		HI PR	233	251	265	277	262	282	298	310	298	321	339	353	339	365	**386**	402	382	411	434	452	422	454	479	500
		LO PR	114	121	132	141	120	128	140	149	125	133	145	155	131	140	**152**	162	138	146	160	170	142	151	165	176
	723	MBh	21.8	22.3	23.8	25.5	21.3	21.8	23.3	24.9	20.8	21.3	22.7	24.3	20.3	20.7	22.2	23.7	19.3	19.7	21.0	22.5	17.9	18.2	19.5	20.8
		S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.94	0.77	0.57	1.01	0.95	0.77	0.58
		Delta T	25	24	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
		KW	1.67	1.70	1.75	1.81	1.79	1.83	1.88	1.94	1.90	1.93	1.99	2.06	1.99	2.03	2.09	2.16	2.07	2.11	2.18	2.25	2.14	2.18	2.25	2.32
		AMPS	7.3	7.4	7.6	7.8	7.7	7.9	8.1	8.3	8.3	8.4	8.6	8.9	8.7	8.9	9.1	9.4	9.2	9.4	9.6	9.9	9.6	9.8	10.1	10.4
		HI PR	226	244	257	268	254	273	289	301	289	311	328	342	329	354	374	390	370	398	421	439	409	440	465	485
		LO PR	110	117	128	136	117	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	171
85	927	MBh	24.8	25.2	26.4	28.2	24.2	24.7	25.8	27.6	23.6	24.1	25.2	26.9	23.0	23.5	24.6	26.2	21.9	22.3	23.4	24.9	20.3	20.7	21.6	23.1
		S/T	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.93	0.76	1.00	1.00	0.96	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		Delta T	25	24	23	20	24	24	23	20	23	24	23	20	23	23	23	20	22	22	23	20	20	20	21	19
		KW	1.73	1.77	1.82	1.88	1.86	1.90	1.96	2.02	1.97	2.01	2.07	2.14	2.07	2.11	2.18	2.25	2.15	2.20	2.27	2.34	2.22	2.27	2.35	2.42
		AMPS	7.5	7.7	7.9	8.1	8.0	8.2	8.4	8.6	8.6	8.7	9.0	9.3	9.1	9.2	9.5	9.8	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.9
		HI PR	238	256	271	282	267	288	304	317	304	327	345	360	346	372	393	410	389	419	442	462	430	463	489	510
		LO PR	116	123	135	144	123	130	142	152	127	136	148	158	134	142	155	166	140	149	163	174	145	154	169	179
	825	MBh	24.0	24.5	25.7	27.4	23.5	23.9	25.1	26.8	22.9	23.4	24.5	26.1	22.4	22.8	23.9	25.5	21.2	21.7	22.7	24.2	19.7	20.1	21.0	22.4
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	26	25	24	21	26	26	24	21	26	26	24	21	25	25	24	21	24	24	24	21	22	22	23	19
		KW	1.72	1.76	1.81	1.86	1.85	1.88	1.94	2.00	1.96	2.00	2.06	2.12	2.05	2.10	2.16	2.23	2.14	2.18	2.25	2.32	2.21	2.25	2.33	2.40
		AMPS	7.5	7.6	7.8	8.0	7.9	8.1	8.3	8.6	8.5	8.7	8.9	9.2	9.0	9.2	9.4	9.7	9.5	9.7	9.9	10.3	9.9	10.2	10.4	10.8
		HI PR	236	254	268	279	265	285	301	314	301	324	342	357	343	369	389	406	386	415	438	457	426	458	484	505
		LO PR	115	122	133	142	121	129	141	150	126	134	147	156	133	141	154	164	139	148	161	172	144	153	167	178
	723	MBh	22.2	22.6	23.7	25.3	21.7	22.1	23.1	24.7	21.2	21.6	22.6	24.1	20.6	21.0	22.0	23.5	19.6	20.0	20.9	22.3	18.2	18.5	19.4	20.7
		S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	26	26	24	21	26	26	25	21	27	26	25	21	26	26	25	21	25	25	24	21	23	24	23	20
		KW	1.68	1.72	1.77	1.82	1.80	1.84	1.90	1.95	1.91	1.95	2.01	2.07	2.00	2.05	2.11	2.18	2.08	2.13	2.20	2.27	2.15	2.20	2.27	2.34
		AMPS	7.3	7.4	7.6	7.9	7.8	7.9	8.1	8.4	8.3	8.5	8.7	9.0	8.8	9.0	9.2	9.5	9.2	9.4	9.7	10.0	9.7	9.9	10.2	10.5
		HI PR	229	246	260	271	257	276	292	304	292	314	332	346	332	358	378	394	374	402	425	443	413	445	470	490
		LO PR	111	119	129	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	156	167	139	148	162	172

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

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

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

MODEL: GPH1330M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1180	MBh	28.4	29.5	32.3	-	27.8	28.8	31.5	-	27.1	28.1	30.8	-	26.4	27.4	30.0	-	25.1	26.0	28.5	-	23.3	24.1	26.4	-
		S/T	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.88	0.74	0.51	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-
		KW	2.20	2.24	2.31	-	2.36	2.41	2.48	-	2.50	2.55	2.63	-	2.63	2.68	2.76	-	2.73	2.79	2.88	-	2.82	2.88	2.97	-
		AMPS	9.5	9.7	9.9	-	10.1	10.3	10.6	-	10.9	11.1	11.4	-	11.5	11.7	12.0	-	12.1	12.4	12.7	-	12.7	13.0	13.4	-
		HI PR	232	249	263	-	260	280	296	-	296	318	336	-	337	363	383	-	379	408	431	-	419	451	476	-
		LO PR	109	116	126	-	115	122	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-
	1050	MBh	27.6	28.6	31.3	-	26.9	27.9	30.6	-	26.3	27.3	29.9	-	25.7	26.6	29.1	-	24.4	25.3	27.7	-	22.6	23.4	25.6	-
		S/T	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.70	0.49	-
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		KW	2.18	2.23	2.29	-	2.34	2.39	2.46	-	2.48	2.53	2.61	-	2.60	2.66	2.74	-	2.71	2.77	2.85	-	2.80	2.86	2.95	-
		AMPS	9.4	9.6	9.9	-	10.1	10.3	10.5	-	10.8	11.0	11.3	-	11.4	11.6	12.0	-	12.0	12.3	12.6	-	12.6	12.9	13.3	-
		HI PR	229	247	261	-	257	277	293	-	293	315	333	-	334	359	379	-	375	404	426	-	415	446	471	-
		LO PR	108	115	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	139	151	-	135	143	156	-
	920	MBh	25.5	26.4	28.9	-	24.9	25.8	28.2	-	24.3	25.2	27.6	-	23.7	24.6	26.9	-	22.5	23.3	25.6	-	20.8	21.6	23.7	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	2.14	2.18	2.24	-	2.29	2.33	2.41	-	2.42	2.47	2.55	-	2.54	2.60	2.68	-	2.64	2.70	2.78	-	2.73	2.79	2.88	-
		AMPS	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.5	10.7	11.0	-	11.1	11.4	11.7	-	11.7	12.0	12.3	-	12.3	12.6	12.9	-
		HI PR	223	240	253	-	250	269	284	-	284	306	323	-	324	348	368	-	364	392	414	-	402	433	457	-
		LO PR	105	111	121	-	110	117	128	-	115	122	133	-	121	128	140	-	126	134	147	-	131	139	152	-
75	1180	MBh	28.9	29.8	32.2	34.6	28.2	29.1	31.5	33.8	27.6	28.4	30.7	33.0	26.9	**27.7**	30.0	32.2	25.5	26.3	28.5	30.5	23.7	24.4	26.4	28.3
		S/T	0.88	0.78	0.59	0.38	0.91	0.81	0.61	0.40	0.93	0.83	0.63	0.41	0.96	**0.86**	0.65	0.42	1.00	0.89	0.68	0.43	1.00	0.90	0.68	0.44
		Delta T	20	18	15	10	20	18	15	10	20	18	15	10	20	**19**	15	10	20	18	15	10	18	17	14	10
		KW	2.22	2.26	2.33	2.40	2.38	2.43	2.50	2.58	2.52	2.57	2.65	2.74	2.65	**2.70**	2.79	2.88	2.75	2.81	2.90	2.99	2.84	2.91	3.00	3.10
		AMPS	9.6	9.8	10.0	10.3	10.2	10.4	10.7	11.0	10.9	11.2	11.5	11.8	11.6	**11.8**	12.1	12.5	12.2	12.5	12.8	13.2	12.8	13.1	13.5	13.9
		HI PR	234	252	266	277	263	283	299	311	299	322	340	354	340	**366**	387	403	383	412	435	454	423	455	481	501
		LO PR	110	117	128	136	116	124	135	144	121	128	140	149	127	**135**	147	157	133	141	154	164	137	146	160	170
	1050	MBh	28.1	28.9	31.3	33.6	27.4	28.2	30.5	32.8	26.8	27.5	29.8	32.0	26.1	**26.9**	29.1	31.2	24.8	25.5	27.6	29.7	23.0	23.6	25.6	27.5
		S/T	0.84	0.75	0.57	0.36	0.87	0.77	0.59	0.38	0.89	0.79	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		Delta T	21	19	15	11	21	19	16	11	21	19	16	11	21	**19**	16	11	21	19	16	11	19	18	15	10
		KW	2.20	2.24	2.31	2.38	2.36	2.41	2.48	2.56	2.50	2.55	2.63	2.72	2.63	**2.68**	2.76	2.85	2.73	2.79	2.88	2.97	2.82	2.88	2.97	3.07
		AMPS	9.5	9.7	9.9	10.3	10.1	10.3	10.6	10.9	10.9	11.1	11.4	11.7	11.5	**11.7**	12.0	12.4	12.1	12.4	12.7	13.1	12.7	13.0	13.4	13.8
		HI PR	232	249	263	275	260	280	296	308	296	318	336	351	337	**363**	383	399	379	408	431	449	419	451	476	496
		LO PR	109	116	126	135	115	122	134	142	120	127	139	148	126	**134**	146	155	132	140	153	163	136	145	158	168
	920	MBh	25.9	26.7	28.9	31.0	25.3	26.0	28.2	30.3	24.7	25.4	27.5	29.5	24.1	**24.8**	26.8	28.8	22.9	23.6	25.5	27.4	21.2	21.8	23.6	25.4
		S/T	0.81	0.72	0.55	0.35	0.83	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	**0.79**	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		KW	2.15	2.19	2.26	2.33	2.31	2.35	2.42	2.50	2.44	2.49	2.57	2.65	2.56	**2.62**	2.70	2.78	2.67	2.72	2.81	2.90	2.75	2.81	2.90	3.00
		AMPS	9.3	9.5	9.7	10.0	9.9	10.1	10.4	10.7	10.6	10.8	11.1	11.5	11.2	**11.4**	11.8	12.1	11.8	12.1	12.4	12.8	12.4	12.7	13.0	13.5
		HI PR	225	242	256	267	252	272	287	299	287	309	326	340	327	**352**	371	387	368	396	418	436	406	437	462	481
		LO PR	106	112	123	131	112	119	130	138	116	123	135	143	122	**130**	141	151	128	136	148	158	132	140	153	163

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

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

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

MODEL: GPH1330M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1180	MBh	29.4	30.1	32.1	34.3	28.7	29.4	31.4	33.5	28.0	28.7	30.6	32.7	27.4	28.0	29.9	31.9	26.0	26.6	28.4	30.3	24.1	24.6	26.3	28.1
		S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63
		Delta T	22	21	18	15	22	21	19	15	22	21	19	15	21	22	19	15	20	21	18	15	19	19	17	14
		KW	2.23	2.28	2.35	2.42	2.40	2.45	2.52	2.60	2.54	2.59	2.67	2.76	2.67	2.72	2.81	2.90	2.78	2.83	2.92	3.02	2.87	2.93	3.02	3.12
		AMPS	9.6	9.8	10.1	10.4	10.3	10.5	10.8	11.1	11.0	11.2	11.6	11.9	11.7	11.9	12.2	12.6	12.3	12.6	12.9	13.3	12.9	13.2	13.6	14.0
		HI PR	236	255	269	280	265	286	302	315	302	325	343	358	344	370	391	407	387	416	439	458	427	460	486	506
		LO PR	111	118	129	137	117	125	136	145	122	130	142	151	128	136	149	158	134	143	156	166	139	148	161	172
	1050	MBh	28.6	29.2	31.2	33.3	27.9	28.5	30.5	32.6	27.2	27.8	29.7	31.8	26.6	27.1	**29.0**	31.0	25.2	25.8	27.6	29.5	23.4	23.9	25.5	27.3
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.56	1.00	0.94	**0.77**	0.57	1.00	0.98	0.80	0.60	1.00	0.99	0.80	0.60
		Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	**19**	16	22	22	19	15	20	21	18	14
		KW	2.22	2.26	2.33	2.40	2.38	2.43	2.50	2.58	2.52	2.57	2.65	2.74	2.65	2.70	**2.79**	2.88	2.75	2.81	2.90	2.99	2.85	2.91	3.00	3.10
		AMPS	9.6	9.8	10.0	10.3	10.2	10.4	10.7	11.0	10.9	11.2	11.5	11.8	11.6	11.8	**12.1**	12.5	12.2	12.5	12.8	13.2	12.8	13.1	13.5	13.9
		HI PR	234	252	266	278	263	283	299	311	299	322	340	354	340	366	**387**	403	383	412	435	454	423	455	481	501
		LO PR	110	117	128	136	116	124	135	144	121	128	140	149	127	135	**147**	157	133	141	154	164	137	146	160	170
	920	MBh	26.4	26.9	28.8	30.8	25.7	26.3	28.1	30.0	25.1	25.7	27.4	29.3	24.5	25.1	26.8	28.6	23.3	23.8	25.4	27.2	21.6	22.0	23.6	25.2
		S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.94	0.77	0.57	1.01	0.95	0.77	0.58
		Delta T	23	22	19	15	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	22	21	18	15
		KW	2.17	2.21	2.28	2.34	2.32	2.37	2.44	2.52	2.46	2.51	2.59	2.67	2.58	2.64	2.72	2.81	2.69	2.74	2.83	2.92	2.78	2.84	2.93	3.02
		AMPS	9.4	9.5	9.8	10.1	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.3	11.5	11.9	12.2	11.9	12.2	12.5	12.9	12.5	12.8	13.2	13.6
		HI PR	227	244	258	269	255	274	290	302	290	312	329	344	330	355	375	391	371	400	422	440	410	442	466	486
		LO PR	107	113	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	159	133	142	155	165
85	1180	MBh	29.9	30.5	31.9	34.1	29.2	29.8	31.2	33.3	28.5	29.1	30.5	32.5	27.8	28.4	29.7	31.7	26.4	27.0	28.2	30.1	24.5	25.0	26.2	27.9
		S/T	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.93	0.76	1.00	1.00	0.96	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		Delta T	23	23	22	19	23	23	22	19	22	23	22	19	22	22	22	19	21	21	22	19	19	19	20	18
		KW	2.25	2.30	2.37	2.44	2.42	2.46	2.54	2.62	2.56	2.61	2.70	2.78	2.69	2.75	2.83	2.92	2.80	2.86	2.95	3.04	2.89	2.95	3.05	3.15
		AMPS	9.7	9.9	10.2	10.5	10.4	10.6	10.9	11.2	11.1	11.3	11.7	12.0	11.8	12.0	12.3	12.7	12.4	12.7	13.0	13.5	13.0	13.3	13.7	14.2
		HI PR	239	257	271	283	268	288	305	318	305	328	346	361	347	374	395	411	391	420	444	463	432	464	490	511
		LO PR	112	119	130	139	119	126	138	147	123	131	143	152	129	138	150	160	136	144	157	168	140	149	163	173
	1050	MBh	29.1	29.6	31.0	33.1	28.4	28.9	30.3	32.3	27.7	28.2	29.6	31.6	27.0	27.6	28.9	30.8	25.7	26.2	27.4	29.2	23.8	24.2	25.4	27.1
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	24	24	23	20	25	24	23	20	24	24	23	20	24	24	23	20	22	23	23	20	21	21	21	18
		KW	2.23	2.28	2.35	2.42	2.40	2.45	2.52	2.60	2.54	2.59	2.67	2.76	2.67	2.72	2.81	2.90	2.78	2.83	2.92	3.02	2.87	2.93	3.02	3.12
		AMPS	9.6	9.8	10.1	10.4	10.3	10.5	10.8	11.1	11.0	11.2	11.6	11.9	11.7	11.9	12.2	12.6	12.3	12.6	12.9	13.3	12.9	13.2	13.6	14.0
		HI PR	236	255	269	280	265	286	302	315	302	325	343	358	344	370	391	407	387	416	439	458	427	460	486	506
		LO PR	111	118	129	137	117	125	136	145	122	130	142	151	128	136	149	158	134	143	156	166	139	148	161	172
	920	MBh	26.8	27.3	28.6	30.5	26.2	26.7	28.0	29.8	25.6	26.1	27.3	29.1	24.9	25.4	26.6	28.4	23.7	24.2	25.3	27.0	22.0	22.4	23.4	25.0
		S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	24	23	20	22	22	22	19
		KW	2.18	2.23	2.29	2.36	2.34	2.39	2.46	2.54	2.48	2.53	2.61	2.69	2.60	2.66	2.74	2.83	2.71	2.77	2.85	2.95	2.80	2.86	2.95	3.05
		AMPS	9.4	9.6	9.9	10.2	10.0	10.2	10.5	10.9	10.8	11.0	11.3	11.7	11.4	11.6	12.0	12.3	12.0	12.3	12.6	13.0	12.6	12.9	13.3	13.7
		HI PR	229	247	261	272	257	277	293	305	293	315	333	347	333	359	379	395	375	404	426	445	414	446	471	491
		LO PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	156	167

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

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

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

MODEL: GPH1336M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 9 +/-2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 7+/-2 °F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1292	MBh	33.9	35.1	38.5	-	33.1	34.3	37.6	-	32.3	33.5	36.7	-	31.5	32.7	35.8	-	30.0	31.1	34.0	-	27.8	28.8	31.5	-
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		KW	2.52	2.57	2.65	-	2.70	2.76	2.84	-	2.86	2.92	3.01	-	3.01	3.07	3.17	-	3.13	3.19	3.29	-	3.23	3.30	3.41	-
		AMPS	10.6	10.8	11.1	-	11.3	11.5	11.9	-	12.1	12.4	12.7	-	12.9	13.1	13.5	-	13.6	13.9	14.3	-	14.3	14.6	15.0	-
		HI PR	237	255	270	-	266	287	303	-	303	326	344	-	345	371	392	-	388	418	441	-	429	461	487	-
		LO PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	162	-
	1150	MBh	32.9	34.1	37.4	-	32.2	33.3	36.5	-	31.4	32.5	35.6	-	30.6	31.7	34.8	-	29.1	30.2	33.0	-	26.9	27.9	30.6	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		KW	2.50	2.55	2.63	-	2.68	2.74	2.82	-	2.84	2.90	2.99	-	2.98	3.05	3.14	-	3.10	3.17	3.27	-	3.21	3.27	3.38	-
		AMPS	10.5	10.7	11.0	-	11.2	11.4	11.8	-	12.0	12.3	12.6	-	12.8	13.0	13.4	-	13.5	13.8	14.2	-	14.2	14.5	14.9	-
		HI PR	235	253	267	-	264	284	300	-	300	323	341	-	341	367	388	-	384	413	437	-	424	457	482	-
		LO PR	111	118	129	-	117	124	136	-	122	129	141	-	128	136	148	-	134	142	155	-	138	147	161	-
	1008	MBh	30.4	31.5	34.5	-	29.7	30.8	33.7	-	29.0	30.0	32.9	-	28.3	29.3	32.1	-	26.9	27.8	30.5	-	24.9	25.8	28.2	-
		S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-
		Delta T	19	16	12	-	19	16	13	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		KW	2.45	2.49	2.57	-	2.62	2.67	2.75	-	2.78	2.83	2.92	-	2.91	2.97	3.07	-	3.03	3.09	3.19	-	3.13	3.20	3.30	-
		AMPS	10.3	10.5	10.8	-	11.0	11.2	11.5	-	11.8	12.0	12.3	-	12.4	12.7	13.1	-	13.1	13.4	13.8	-	13.8	14.1	14.5	-
		HI PR	228	245	259	-	256	275	291	-	291	313	330	-	331	356	376	-	373	401	423	-	412	443	468	-
		LO PR	107	114	125	-	113	121	132	-	118	125	137	-	124	132	144	-	130	138	151	-	134	143	156	-
75	1292	MBh	34.5	35.5	38.4	41.2	33.7	34.7	37.5	40.3	32.9	33.8	36.6	39.3	32.1	**33.0**	35.7	38.4	30.5	31.4	34.0	36.4	28.2	29.1	31.5	33.8
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
		Delta T	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	2.54	2.59	2.67	2.75	2.72	2.78	2.86	2.95	2.89	2.95	3.04	3.13	3.03	**3.09**	3.19	3.29	3.15	3.22	3.32	3.43	3.26	3.33	3.43	3.55
		AMPS	10.7	10.9	11.2	11.5	11.4	11.6	12.0	12.3	12.2	12.5	12.8	13.3	13.0	**13.2**	13.6	14.1	13.7	14.0	14.4	14.9	14.4	14.7	15.2	15.7
		HI PR	240	258	272	284	269	289	306	319	306	329	348	363	348	**375**	396	413	392	422	445	465	433	466	492	513
		LO PR	113	120	131	140	119	127	139	148	124	132	144	153	130	**139**	151	161	137	145	159	169	141	150	164	175
	1150	MBh	33.5	34.5	37.3	40.0	32.7	33.7	36.4	39.1	31.9	32.9	35.6	38.2	31.1	**32.1**	34.7	37.2	29.6	30.5	33.0	35.4	27.4	28.2	30.5	32.8
		S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	**0.78**	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	**20**	16	11	22	20	16	11	20	19	15	10
		KW	2.52	2.57	2.65	2.73	2.70	2.76	2.84	2.93	2.86	2.92	3.01	3.11	3.01	**3.07**	3.17	3.27	3.13	3.19	3.30	3.40	3.23	3.30	3.41	3.52
		AMPS	10.6	10.8	11.1	11.4	11.3	11.5	11.9	12.2	12.1	12.4	12.7	13.2	12.9	**13.1**	13.5	14.0	13.6	13.9	14.3	14.8	14.3	14.6	15.0	15.5
		HI PR	237	255	270	281	266	287	303	316	303	326	344	359	345	**371**	392	409	388	418	441	460	429	461	487	508
		LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	**137**	150	160	135	144	157	167	140	149	162	173
	1008	MBh	30.9	31.8	34.4	37.0	30.2	31.1	33.6	36.1	29.5	30.3	32.8	35.2	28.7	**29.6**	32.0	34.4	27.3	28.1	30.4	32.7	25.3	26.0	28.2	30.3
		S/T	0.77	0.69	0.52	0.34	0.80	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.85	**0.76**	0.57	0.37	0.88	0.79	0.59	0.38	0.89	0.79	0.60	0.39
		Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	12	22	20	16	11	20	19	15	11
		KW	2.46	2.51	2.59	2.67	2.64	2.70	2.78	2.86	2.80	2.86	2.94	3.04	2.94	**3.00**	3.09	3.19	3.05	3.12	3.22	3.32	3.15	3.22	3.32	3.43
		AMPS	10.3	10.5	10.8	11.2	11.0	11.3	11.6	11.9	11.8	12.1	12.4	12.8	12.5	**12.8**	13.2	13.6	13.2	13.5	13.9	14.4	13.9	14.2	14.7	15.2
		HI PR	230	248	262	273	258	278	294	306	294	316	334	348	335	**360**	380	397	376	405	428	446	416	448	473	493
		LO PR	108	115	126	134	115	122	133	142	119	127	138	147	125	**133**	145	155	131	139	152	162	136	144	157	168

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

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

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

MODEL: GPH1336M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1292	MBh	35.1	35.9	38.3	41.0	34.3	35.0	37.4	40.0	33.5	34.2	36.5	39.0	32.6	33.4	35.6	38.1	31.0	31.7	33.9	36.2	28.7	29.4	31.4	33.5
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.60
		Delta T	23	22	19	15	23	22	19	15	24	22	19	15	23	22	20	16	22	23	19	15	20	21	18	14
		KW	2.56	2.61	2.69	2.77	2.75	2.80	2.89	2.98	2.91	2.97	3.06	3.16	3.05	3.12	3.22	3.32	3.18	3.25	3.35	3.46	3.28	3.36	3.46	3.58
		AMPS	10.7	11.0	11.3	11.6	11.5	11.7	12.0	12.4	12.3	12.6	12.9	13.4	13.1	13.3	13.7	14.2	13.8	14.1	14.5	15.0	14.5	14.8	15.3	15.8
		HI PR	242	261	275	287	272	292	309	322	309	333	351	366	352	379	400	417	396	426	450	469	437	471	497	518
		LO PR	114	121	132	141	121	128	140	149	125	133	145	155	132	140	153	163	138	147	160	171	143	152	166	176
	1150	MBh	34.1	34.8	37.2	39.8	33.3	34.0	36.3	38.8	32.5	33.2	35.5	37.9	31.7	32.4	**34.6**	37.0	30.1	30.8	32.9	35.1	27.9	28.5	30.4	32.5
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	**0.73**	0.55	1.00	0.94	0.76	0.57	1.00	0.94	0.77	0.57
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	24	23	20	16	22	22	19	15
		KW	2.54	2.59	2.67	2.75	2.72	2.78	2.86	2.95	2.89	2.95	3.04	3.13	3.03	3.09	**3.19**	3.29	3.15	3.22	3.32	3.43	3.26	3.33	3.43	3.55
		AMPS	10.7	10.9	11.2	11.5	11.4	11.6	12.0	12.3	12.2	12.5	12.8	13.3	13.0	13.2	**13.6**	14.1	13.7	14.0	14.4	14.9	14.4	14.7	15.2	15.7
		HI PR	240	258	272	284	269	289	306	319	306	329	348	363	348	375	**396**	413	392	422	445	465	433	466	492	513
		LO PR	113	120	131	140	119	127	139	148	124	132	144	153	130	139	**151**	161	137	145	159	169	141	150	164	175
	1008	MBh	31.4	32.1	34.3	36.7	30.7	31.4	33.5	35.8	30.0	30.6	32.7	35.0	29.3	29.9	31.9	34.1	27.8	28.4	30.3	32.4	25.7	26.3	28.1	30.0
		S/T	0.85	0.79	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	0.97	0.91	0.74	0.55
		Delta T	24	23	20	16	25	24	20	16	25	24	20	16	25	24	21	16	24	23	20	16	23	22	19	15
		KW	2.48	2.53	2.61	2.69	2.66	2.72	2.80	2.88	2.82	2.88	2.97	3.06	2.96	3.02	3.12	3.21	3.08	3.14	3.24	3.35	3.18	3.25	3.35	3.46
		AMPS	10.4	10.6	10.9	11.3	11.1	11.4	11.7	12.0	11.9	12.2	12.5	12.9	12.6	12.9	13.3	13.7	13.4	13.6	14.0	14.5	14.0	14.4	14.8	15.3
		HI PR	233	250	264	276	261	281	297	309	297	319	337	352	338	364	384	401	380	409	432	451	420	452	477	498
		LO PR	110	117	127	136	116	123	134	143	120	128	140	149	126	134	147	156	132	141	154	164	137	146	159	169
85	1292	MBh	35.7	36.4	38.1	40.7	34.9	35.6	37.2	39.7	34.0	34.7	36.3	38.8	33.2	33.9	35.5	37.8	31.6	32.2	33.7	35.9	29.2	29.8	31.2	33.3
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
		Delta T	24	24	23	20	25	24	23	20	24	24	23	20	24	24	23	20	22	23	23	20	21	21	21	19
		KW	2.58	2.63	2.71	2.79	2.77	2.82	2.91	3.00	2.93	2.99	3.09	3.18	3.08	3.14	3.24	3.35	3.20	3.27	3.38	3.49	3.31	3.38	3.49	3.61
		AMPS	10.8	11.0	11.4	11.7	11.6	11.8	12.1	12.5	12.4	12.7	13.1	13.5	13.2	13.4	13.8	14.3	13.9	14.2	14.6	15.1	14.6	15.0	15.4	15.9
		HI PR	245	263	278	290	274	295	312	325	312	336	355	370	355	383	404	421	400	430	454	474	442	475	502	524
		LO PR	115	123	134	143	122	130	141	151	127	135	147	156	133	141	154	164	139	148	162	172	144	153	167	178
	1150	MBh	34.7	35.3	37.0	39.5	33.9	34.5	36.1	38.6	33.1	33.7	35.3	37.6	32.2	32.9	34.4	36.7	30.6	31.2	32.7	34.9	28.4	28.9	30.3	32.3
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
		Delta T	25	25	24	21	26	25	24	21	26	25	24	21	26	26	24	21	24	25	24	21	23	23	22	19
		KW	2.56	2.61	2.69	2.77	2.75	2.80	2.89	2.98	2.91	2.97	3.06	3.16	3.05	3.12	3.22	3.32	3.18	3.25	3.35	3.46	3.28	3.36	3.46	3.58
		AMPS	10.7	11.0	11.3	11.6	11.5	11.7	12.0	12.4	12.3	12.6	12.9	13.4	13.1	13.3	13.7	14.2	13.8	14.1	14.5	15.0	14.5	14.8	15.3	15.8
		HI PR	242	261	275	287	272	292	309	322	309	333	351	366	352	379	400	417	396	426	450	469	437	471	497	518
		LO PR	114	121	132	141	121	128	140	149	125	133	145	155	132	140	153	163	138	147	160	171	143	152	166	176
	1008	MBh	32.0	32.6	34.2	36.4	31.3	31.9	33.4	35.6	30.5	31.1	32.6	34.7	29.8	30.3	31.8	33.9	28.3	28.8	30.2	32.2	26.2	26.7	28.0	29.8
		S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	0.98	0.89	0.72
		Delta T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20
		KW	2.50	2.55	2.63	2.71	2.68	2.74	2.82	2.91	2.84	2.90	2.99	3.08	2.98	3.04	3.14	3.24	3.10	3.17	3.27	3.37	3.21	3.27	3.38	3.49
		AMPS	10.5	10.7	11.0	11.4	11.2	11.4	11.8	12.1	12.0	12.3	12.6	13.1	12.7	13.0	13.4	13.8	13.5	13.7	14.2	14.6	14.2	14.5	14.9	15.4
		HI PR	235	253	267	278	264	284	299	312	300	323	341	355	341	367	388	405	384	413	436	455	424	457	482	503
		LO PR	111	118	129	137	117	124	136	145	121	129	141	150	128	136	148	158	134	142	155	165	138	147	161	171

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

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

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

MODEL: GPH1342M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1461	MBh	39.2	40.6	44.5	-	38.3	39.7	43.5	-	37.4	38.7	42.4	-	36.5	37.8	41.4	-	34.6	35.9	39.3	-	32.1	33.3	36.4	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	2.86	2.91	3.00	-	3.06	3.12	3.22	-	3.24	3.31	3.41	-	3.40	3.47	3.58	-	3.54	3.61	3.73	-	3.65	3.73	3.85	-
		AMPS	12.5	12.8	13.1	-	13.4	13.7	14.0	-	14.4	14.7	15.1	-	15.2	15.5	16.0	-	16.0	16.4	16.9	-	16.9	17.2	17.8	-
		HI PR	227	244	258	-	255	274	289	-	290	312	329	-	330	355	375	-	371	399	422	-	410	441	466	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	148	-	132	141	154	-
	1300	MBh	38.1	39.4	43.2	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	35.4	36.7	40.2	-	33.6	34.9	38.2	-	31.2	32.3	35.4	-
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
		Delta T	19	16	12	-	19	16	13	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		KW	2.84	2.89	2.98	-	3.04	3.10	3.19	-	3.22	3.28	3.38	-	3.38	3.45	3.55	-	3.51	3.58	3.70	-	3.63	3.70	3.82	-
		AMPS	12.4	12.7	13.0	-	13.3	13.5	13.9	-	14.2	14.5	15.0	-	15.1	15.4	15.8	-	15.9	16.3	16.7	-	16.7	17.1	17.6	-
		HI PR	225	242	255	-	252	271	286	-	287	308	326	-	327	351	371	-	367	395	417	-	406	437	461	-
		LO PR	105	111	122	-	111	118	129	-	115	122	134	-	121	129	140	-	127	135	147	-	131	139	152	-
	1139	MBh	35.1	36.4	39.9	-	34.3	35.6	39.0	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.0	32.2	35.2	-	28.8	29.8	32.7	-
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
		KW	2.77	2.83	2.91	-	2.97	3.03	3.12	-	3.14	3.21	3.31	-	3.30	3.37	3.47	-	3.43	3.50	3.61	-	3.54	3.61	3.73	-
		AMPS	12.2	12.4	12.7	-	13.0	13.2	13.6	-	13.9	14.2	14.6	-	14.7	15.0	15.5	-	15.5	15.9	16.3	-	16.3	16.7	17.2	-
		HI PR	218	234	248	-	244	263	278	-	278	299	316	-	317	341	360	-	356	383	405	-	394	424	447	-
		LO PR	102	108	118	-	107	114	125	-	112	119	130	-	117	125	136	-	123	131	143	-	127	135	148	-
75	1461	MBh	39.9	41.0	44.4	47.7	38.9	40.1	43.4	46.6	38.0	39.1	42.4	45.5	37.1	**38.2**	41.3	44.4	35.2	36.3	39.3	42.1	32.6	33.6	36.4	39.0
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.88	0.79	0.60	0.39	0.91	**0.82**	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		KW	2.88	2.94	3.02	3.11	3.09	3.15	3.24	3.34	3.27	3.34	3.44	3.55	3.43	**3.50**	3.61	3.72	3.57	3.64	3.76	3.88	3.68	3.76	3.88	4.01
		AMPS	12.6	12.9	13.2	13.6	13.5	13.8	14.1	14.6	14.5	14.8	15.2	15.7	15.3	**15.6**	16.1	16.6	16.2	16.5	17.0	17.6	17.0	17.4	17.9	18.5
		HI PR	229	247	260	272	257	277	292	305	292	315	332	347	333	**358**	379	395	375	403	426	444	414	446	471	491
		LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	**131**	143	152	129	137	150	160	134	142	155	165
	1300	MBh	38.7	39.8	43.1	46.3	37.8	38.9	42.1	45.2	36.9	38.0	41.1	44.1	36.0	**37.1**	40.1	43.1	34.2	35.2	38.1	40.9	31.7	32.6	35.3	37.9
		S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.75	0.57	0.37	0.87	**0.78**	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40
		Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	12	22	20	16	11	20	19	15	11
		KW	2.86	2.92	3.00	3.09	3.06	3.12	3.22	3.32	3.24	3.31	3.41	3.52	3.40	**3.47**	3.58	3.69	3.54	3.61	3.73	3.84	3.66	3.73	3.85	3.97
		AMPS	12.5	12.8	13.1	13.5	13.4	13.7	14.0	14.5	14.4	14.7	15.1	15.6	15.2	**15.5**	16.0	16.5	16.0	16.4	16.9	17.4	16.9	17.2	17.8	18.4
		HI PR	227	244	258	269	255	274	289	302	290	312	329	343	330	**355**	375	391	371	399	422	440	410	441	466	486
		LO PR	106	113	123	131	112	119	130	138	116	124	135	144	122	**130**	142	151	128	136	149	158	132	141	154	164
	1139	MBh	35.7	36.8	39.8	42.7	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.2	**34.2**	37.0	39.7	31.6	32.5	35.2	37.8	29.2	30.1	32.6	35.0
		S/T	0.77	0.68	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	**0.75**	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.60	0.38
		Delta T	22	20	17	11	22	21	17	12	22	21	17	12	23	**21**	17	12	22	20	17	12	21	19	16	11
		KW	2.80	2.85	2.93	3.02	2.99	3.05	3.14	3.24	3.17	3.23	3.33	3.43	3.32	**3.39**	3.50	3.61	3.45	3.53	3.64	3.75	3.57	3.64	3.76	3.88
		AMPS	12.3	12.5	12.8	13.2	13.1	13.3	13.7	14.1	14.0	14.3	14.7	15.2	14.8	**15.2**	15.6	16.1	15.7	16.0	16.5	17.0	16.5	16.8	17.3	17.9
		HI PR	220	237	250	261	247	266	281	293	281	302	319	333	320	**344**	364	379	360	387	409	427	398	428	452	471
		LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	**126**	137	146	124	132	144	153	128	136	149	159

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

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

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

MODEL: GPH1342M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1461	MBh	40.6	41.5	44.3	47.3	39.6	40.5	43.3	46.2	38.7	39.5	42.2	45.1	37.7	38.6	41.2	44.0	35.9	36.6	39.1	41.8	33.2	33.9	36.3	38.8
		S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60
		Delta T	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	21	18	15
		KW	2.90	2.96	3.05	3.14	3.11	3.17	3.27	3.37	3.29	3.36	3.47	3.57	3.46	3.53	3.64	3.75	3.59	3.67	3.79	3.91	3.71	3.79	3.91	4.04
		AMPS	12.7	13.0	13.3	13.8	13.6	13.9	14.3	14.7	14.6	14.9	15.3	15.8	15.4	15.8	16.2	16.8	16.3	16.7	17.1	17.7	17.2	17.5	18.0	18.7
		HI PR	232	249	263	274	260	280	295	308	295	318	336	350	336	362	382	399	379	407	430	449	418	450	475	496
		LO PR	108	115	125	134	114	121	132	141	119	126	138	147	124	132	145	154	130	139	152	161	135	144	157	167
	1300	MBh	39.4	40.2	43.0	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.8	36.6	37.4	**40.0**	42.8	34.8	35.6	38.0	40.6	32.2	32.9	35.2	37.6
		S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	**0.73**	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
		Delta T	24	23	20	16	25	24	20	16	25	24	20	16	25	24	**21**	16	24	23	20	16	23	22	19	15
		KW	2.88	2.94	3.02	3.11	3.09	3.15	3.24	3.34	3.27	3.34	3.44	3.55	3.43	3.50	**3.61**	3.72	3.57	3.64	3.76	3.88	3.68	3.76	3.88	4.01
		AMPS	12.6	12.9	13.2	13.7	13.5	13.8	14.1	14.6	14.5	14.8	15.2	15.7	15.3	15.6	**16.1**	16.6	16.2	16.5	17.0	17.6	17.0	17.4	17.9	18.5
		HI PR	229	247	260	272	257	277	292	305	293	315	332	347	333	359	**379**	395	375	403	426	444	414	446	471	491
		LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	**143**	152	129	137	150	160	134	142	155	165
	1139	MBh	36.4	37.1	39.7	42.4	35.5	36.3	38.8	41.4	34.7	35.4	37.8	40.5	33.8	34.6	36.9	39.5	32.1	32.8	35.1	37.5	29.8	30.4	32.5	34.7
		S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.66	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.96	0.90	0.74	0.55
		Delta T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15
		KW	2.82	2.87	2.96	3.04	3.02	3.08	3.17	3.27	3.19	3.26	3.36	3.46	3.35	3.42	3.52	3.64	3.48	3.55	3.67	3.78	3.60	3.67	3.79	3.91
		AMPS	12.3	12.6	12.9	13.3	13.2	13.4	13.8	14.3	14.1	14.4	14.8	15.3	15.0	15.3	15.7	16.2	15.8	16.1	16.6	17.1	16.6	17.0	17.5	18.0
		HI PR	222	239	253	264	249	268	284	296	284	305	322	336	323	348	367	383	364	391	413	431	402	432	456	476
		LO PR	104	110	120	128	110	117	127	135	114	121	132	141	120	127	139	148	125	133	146	155	130	138	151	160
85	1461	MBh	41.3	42.1	44.1	47.0	40.3	41.1	43.0	45.9	39.4	40.1	42.0	44.8	38.4	39.1	41.0	43.7	36.5	37.2	38.9	41.5	33.8	34.4	36.1	38.5
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	25	24	23	20	25	25	23	20	25	25	23	20	24	25	24	20	23	23	23	20	21	22	22	19
		KW	2.92	2.98	3.07	3.16	3.13	3.20	3.29	3.40	3.32	3.39	3.49	3.60	3.48	3.56	3.67	3.78	3.62	3.70	3.82	3.94	3.74	3.82	3.94	4.07
		AMPS	12.8	13.1	13.4	13.9	13.7	14.0	14.4	14.8	14.7	15.0	15.4	15.9	15.6	15.9	16.4	16.9	16.4	16.8	17.3	17.9	17.3	17.7	18.2	18.8
		HI PR	234	252	266	277	262	282	298	311	298	321	339	354	340	366	386	403	382	411	434	453	422	455	480	501
		LO PR	109	116	127	135	115	123	134	142	120	127	139	148	126	134	146	156	132	140	153	163	136	145	158	169
	1300	MBh	40.1	40.9	42.8	45.6	39.1	39.9	41.8	44.6	38.2	39.0	40.8	43.5	37.3	38.0	39.8	42.5	35.4	36.1	37.8	40.3	32.8	33.4	35.0	37.4
		S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.84	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.73	1.00	1.00	0.91	0.74
		Delta T	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	2.90	2.96	3.05	3.14	3.11	3.17	3.27	3.37	3.29	3.36	3.47	3.57	3.46	3.53	3.64	3.75	3.59	3.67	3.79	3.91	3.71	3.79	3.91	4.04
		AMPS	12.7	13.0	13.3	13.8	13.6	13.9	14.3	14.7	14.6	14.9	15.3	15.8	15.4	15.8	16.2	16.8	16.3	16.7	17.1	17.7	17.2	17.5	18.0	18.7
		HI PR	232	249	263	274	260	280	295	308	295	318	336	350	336	362	382	399	379	407	430	449	418	450	475	496
		LO PR	108	115	125	134	114	121	132	141	119	126	138	147	124	132	145	154	130	139	152	161	135	144	157	167
	1139	MBh	37.0	37.7	39.5	42.1	36.1	36.8	38.6	41.2	35.3	36.0	37.7	40.2	34.4	35.1	36.7	39.2	32.7	33.3	34.9	37.2	30.3	30.9	32.3	34.5
		S/T	0.88	0.85	0.77	0.62	0.91	0.88	0.79	0.64	0.94	0.90	0.81	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71
		Delta T	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	26	26	25	21	24	24	23	20
		KW	2.84	2.89	2.98	3.07	3.04	3.10	3.19	3.29	3.22	3.28	3.38	3.49	3.38	3.45	3.55	3.66	3.51	3.58	3.69	3.81	3.62	3.70	3.82	3.94
		AMPS	12.4	12.7	13.0	13.4	13.3	13.5	13.9	14.4	14.2	14.5	14.9	15.4	15.1	15.4	15.8	16.4	15.9	16.3	16.7	17.3	16.7	17.1	17.6	18.2
		HI PR	225	242	255	266	252	271	286	299	287	308	326	340	326	351	371	387	367	395	417	435	406	437	461	481
		LO PR	105	111	122	129	111	118	128	137	115	122	134	142	121	128	140	149	127	135	147	157	131	139	152	162

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

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

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

MODEL: GPH1348M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1933	MBh	45.6	47.2	51.7	-	44.5	46.1	50.5	-	43.4	45.0	49.3	-	42.4	43.9	48.1	-	40.3	41.7	45.7	-	37.3	38.7	42.4	-
		S/T	0.80	0.66	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.87	0.73	0.50	-	0.91	0.76	0.52	-	0.91	0.76	0.53	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	3.29	3.36	3.46	-	3.53	3.61	3.72	-	3.75	3.83	3.95	-	3.94	4.03	4.16	-	4.11	4.20	4.33	-	4.25	4.34	4.48	-
		AMPS	13.7	14.0	14.4	-	14.6	14.9	15.4	-	15.7	16.1	16.5	-	16.7	17.1	17.6	-	17.6	18.0	18.6	-	18.6	19.0	19.6	-
		HI PR	240	259	273	-	270	290	307	-	307	330	349	-	350	376	397	-	393	423	447	-	434	468	494	-
		LO PR	109	116	126	-	115	122	133	-	119	127	139	-	125	133	146	-	131	140	153	-	136	145	158	-
	1720	MBh	44.2	45.9	50.2	-	43.2	44.8	49.1	-	42.2	43.7	47.9	-	41.2	42.7	46.7	-	39.1	40.5	44.4	-	36.2	37.5	41.1	-
		S/T	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.81	0.67	0.47	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	3.26	3.33	3.43	-	3.51	3.58	3.69	-	3.72	3.80	3.92	-	3.91	4.00	4.12	-	4.07	4.16	4.30	-	4.21	4.30	4.44	-
		AMPS	13.6	13.8	14.2	-	14.5	14.8	15.2	-	15.6	15.9	16.4	-	16.6	16.9	17.4	-	17.5	17.9	18.4	-	18.4	18.8	19.4	-
		HI PR	238	256	271	-	267	288	304	-	304	327	345	-	346	372	393	-	389	419	442	-	430	463	489	-
		LO PR	108	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	135	143	156	-
	1507	MBh	40.8	42.3	46.4	-	39.9	41.3	45.3	-	38.9	40.4	44.2	-	38.0	39.4	43.1	-	36.1	37.4	41.0	-	33.4	34.6	38.0	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	3.19	3.25	3.35	-	3.42	3.50	3.60	-	3.63	3.71	3.83	-	3.82	3.90	4.02	-	3.97	4.06	4.19	-	4.11	4.20	4.33	-
		AMPS	13.3	13.5	13.9	-	14.2	14.5	14.9	-	15.2	15.6	16.0	-	16.2	16.5	17.0	-	17.1	17.4	18.0	-	18.0	18.4	18.9	-
		HI PR	231	249	262	-	259	279	294	-	295	317	335	-	336	361	381	-	378	406	429	-	417	449	474	-
		LO PR	104	111	121	-	110	117	128	-	115	122	133	-	120	128	140	-	126	134	146	-	130	139	152	-
75	1933	MBh	46.3	47.7	51.6	55.4	45.3	46.6	50.4	54.1	44.2	45.5	49.2	52.8	43.1	**44.4**	48.0	51.6	41.0	42.2	45.6	49.0	37.9	39.1	42.3	45.4
		S/T	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.96	0.86	0.65	0.42	0.99	**0.89**	0.67	0.43	1.00	0.92	0.70	0.45	1.00	0.93	0.70	0.45
		Delta T	20	18	15	10	20	19	15	11	20	19	15	11	20	**19**	15	11	19	18	15	10	18	17	14	10
		KW	3.31	3.38	3.49	3.60	3.56	3.64	3.75	3.87	3.78	3.86	3.99	4.12	3.98	**4.06**	4.19	4.33	4.14	4.23	4.37	4.51	4.28	4.38	4.52	4.67
		AMPS	13.8	14.1	14.5	14.9	14.7	15.1	15.5	16.0	15.9	16.2	16.7	17.2	16.8	**17.2**	17.7	18.3	17.8	18.2	18.7	19.4	18.8	19.2	19.8	20.4
		HI PR	243	261	276	288	273	293	310	323	310	334	352	367	353	**380**	401	419	397	427	451	471	439	472	499	520
		LO PR	110	117	127	136	116	123	135	143	121	128	140	149	127	**135**	147	157	133	141	154	164	137	146	159	170
	1720	MBh	45.0	46.3	50.1	53.8	43.9	45.2	49.0	52.6	42.9	44.2	47.8	51.3	41.9	**43.1**	46.6	50.1	39.8	40.9	44.3	47.6	36.8	37.9	41.0	44.0
		S/T	0.86	0.77	0.58	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.95	**0.85**	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.89	0.67	0.43
		Delta T	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	3.29	3.36	3.46	3.57	3.53	3.61	3.72	3.84	3.75	3.83	3.95	4.08	3.94	**4.03**	4.16	4.29	4.11	4.20	4.33	4.48	4.25	4.34	4.48	4.63
		AMPS	13.7	14.0	14.4	14.8	14.6	14.9	15.4	15.9	15.7	16.1	16.6	17.1	16.7	**17.1**	17.6	18.2	17.7	18.0	18.6	19.2	18.6	19.0	19.6	20.3
		HI PR	241	259	273	285	270	290	307	320	307	330	349	364	350	**376**	397	414	393	423	447	466	435	468	494	515
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	**133**	146	155	131	140	153	162	136	145	158	168
	1507	MBh	41.5	42.8	46.3	49.7	40.6	41.8	45.2	48.5	39.6	40.8	44.1	47.4	38.6	**39.8**	43.0	46.2	36.7	37.8	40.9	43.9	34.0	35.0	37.9	40.7
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.88	0.79	0.60	0.38	0.91	**0.82**	0.62	0.40	0.95	0.85	0.64	0.41	0.95	0.85	0.65	0.42
		Delta T	21	19	16	11	21	20	16	11	21	20	16	11	21	**20**	16	11	21	20	16	11	20	18	15	10
		KW	3.21	3.28	3.38	3.48	3.45	3.52	3.63	3.75	3.66	3.74	3.86	3.98	3.85	**3.93**	4.06	4.19	4.01	4.09	4.22	4.36	4.14	4.23	4.37	4.52
		AMPS	13.4	13.6	14.0	14.5	14.3	14.6	15.0	15.5	15.4	15.7	16.1	16.7	16.3	**16.6**	17.1	17.7	17.2	17.6	18.1	18.7	18.1	18.5	19.1	19.8
		HI PR	233	251	265	277	262	282	298	310	298	320	338	353	339	**365**	385	402	382	411	434	452	422	454	479	500
		LO PR	105	112	122	130	111	118	129	138	116	123	134	143	122	**129**	141	150	127	136	148	158	132	140	153	163

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

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

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

MODEL: GPH1348M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1933	MBh	47.2	48.2	51.5	55.0	46.1	47.1	50.3	53.8	45.0	46.0	49.1	52.5	43.9	44.8	47.9	51.2	41.7	42.6	45.5	48.6	38.6	39.5	42.1	45.1
		S/T	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.59	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.86	0.64	1.00	1.00	0.87	0.65
		Delta T	22	21	19	15	22	22	19	15	21	22	19	15	21	21	19	15	20	20	19	15	18	19	17	14
		KW	3.34	3.41	3.51	3.62	3.59	3.67	3.78	3.90	3.81	3.89	4.02	4.15	4.01	4.10	4.23	4.37	4.17	4.27	4.40	4.55	4.32	4.41	4.56	4.71
		AMPS	13.9	14.2	14.6	15.1	14.9	15.2	15.6	16.1	16.0	16.3	16.8	17.4	17.0	17.3	17.9	18.5	17.9	18.3	18.9	19.6	18.9	19.3	19.9	20.6
		HI PR	245	264	279	291	275	296	313	326	313	337	356	371	357	384	405	423	401	432	456	476	443	477	504	525
		LO PR	111	118	129	137	117	125	136	145	122	130	141	151	128	136	149	158	134	143	156	166	139	147	161	171
	1720	MBh	45.8	46.8	50.0	53.4	44.7	45.7	48.8	52.2	43.7	44.6	47.7	51.0	42.6	43.5	**46.5**	49.7	40.5	41.3	44.2	47.2	37.5	38.3	40.9	43.7
		S/T	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	0.97	**0.79**	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62
		Delta T	23	22	19	15	23	22	20	16	23	22	20	16	23	23	**20**	16	22	22	19	16	20	20	18	14
		KW	3.31	3.38	3.49	3.60	3.56	3.64	3.75	3.87	3.78	3.86	3.99	4.12	3.98	4.06	**4.19**	4.33	4.14	4.23	4.37	4.51	4.28	4.38	4.52	4.67
		AMPS	13.8	14.1	14.5	14.9	14.7	15.1	15.5	16.0	15.9	16.2	16.7	17.2	16.8	17.2	**17.7**	18.3	17.8	18.2	18.7	19.4	18.8	19.2	19.8	20.4
		HI PR	243	261	276	288	273	293	310	323	310	334	352	367	353	380	**401**	419	397	428	451	471	439	472	499	520
		LO PR	110	117	127	136	116	123	135	143	121	128	140	149	127	135	**147**	157	133	141	154	164	137	146	159	170
	1507	MBh	42.3	43.2	46.1	49.3	41.3	42.2	45.1	48.2	40.3	41.2	44.0	47.0	39.3	40.2	42.9	45.9	37.3	38.2	40.8	43.6	34.6	35.4	37.8	40.4
		S/T	0.91	0.86	0.70	0.52	0.94	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.04	0.97	0.79	0.59	1.05	0.98	0.80	0.60
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15
		KW	3.24	3.30	3.40	3.51	3.48	3.55	3.66	3.78	3.69	3.77	3.89	4.01	3.88	3.96	4.09	4.22	4.04	4.13	4.26	4.40	4.18	4.27	4.41	4.55
		AMPS	13.5	13.7	14.1	14.6	14.4	14.7	15.1	15.6	15.5	15.8	16.3	16.8	16.4	16.8	17.3	17.9	17.4	17.7	18.3	18.9	18.3	18.7	19.3	19.9
		HI PR	236	254	268	279	264	285	301	313	301	324	342	356	343	369	389	406	385	415	438	457	426	458	484	505
		LO PR	106	113	124	132	112	120	131	139	117	124	136	145	123	131	143	152	129	137	149	159	133	142	155	165
85	1933	MBh	48.0	48.9	51.2	54.7	46.9	47.8	50.0	53.4	45.8	46.6	48.8	52.1	44.6	45.5	47.7	50.8	42.4	43.2	45.3	48.3	39.3	40.0	41.9	44.7
		S/T	1.00	1.00	0.91	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.81	1.00	1.00	1.00	0.84	1.00	1.00	1.00	0.84
		Delta T	23	23	22	19	22	23	22	19	22	22	22	19	21	22	23	19	20	21	22	19	19	19	20	18
		KW	3.37	3.44	3.54	3.65	3.62	3.70	3.81	3.93	3.84	3.93	4.05	4.18	4.04	4.13	4.26	4.40	4.21	4.30	4.44	4.59	4.35	4.45	4.60	4.75
		AMPS	14.0	14.3	14.7	15.2	15.0	15.3	15.7	16.3	16.1	16.5	17.0	17.5	17.1	17.5	18.0	18.6	18.1	18.5	19.1	19.7	19.1	19.5	20.1	20.8
		HI PR	248	267	282	294	278	299	316	330	316	340	359	375	360	388	409	427	405	436	461	480	448	482	509	531
		LO PR	112	119	130	139	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173
	1720	MBh	46.6	47.5	49.7	53.1	45.5	46.4	48.6	51.8	44.4	45.3	47.4	50.6	43.3	44.2	46.3	49.4	41.2	42.0	44.0	46.9	38.1	38.9	40.7	43.4
		S/T	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80
		Delta T	25	24	23	20	24	25	23	20	24	24	23	20	23	24	23	20	22	22	23	20	20	21	22	19
		KW	3.34	3.41	3.51	3.62	3.59	3.67	3.78	3.90	3.81	3.89	4.02	4.15	4.01	4.10	4.23	4.37	4.17	4.27	4.40	4.55	4.32	4.41	4.56	4.71
		AMPS	13.9	14.2	14.6	15.1	14.9	15.2	15.6	16.1	16.0	16.3	16.8	17.4	17.0	17.3	17.9	18.5	17.9	18.3	18.9	19.6	18.9	19.3	19.9	20.6
		HI PR	245	264	279	291	275	296	313	326	313	337	356	371	357	384	405	423	401	432	456	476	443	477	504	525
		LO PR	111	118	129	137	117	125	136	145	122	130	141	151	128	136	149	158	134	143	156	166	139	147	161	171
	1507	MBh	43.0	43.8	45.9	49.0	42.0	42.8	44.8	47.8	41.0	41.8	43.8	46.7	40.0	40.8	42.7	45.6	38.0	38.7	40.6	43.3	35.2	35.9	37.6	40.1
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	25	25	23	20	25	25	24	20	25	25	24	20	24	25	24	21	23	24	23	20	21	22	22	19
		KW	3.26	3.33	3.43	3.54	3.51	3.58	3.69	3.81	3.72	3.80	3.92	4.05	3.91	3.99	4.12	4.26	4.07	4.16	4.30	4.44	4.21	4.30	4.44	4.59
		AMPS	13.6	13.8	14.2	14.7	14.5	14.8	15.2	15.7	15.6	15.9	16.4	17.0	16.6	16.9	17.4	18.0	17.5	17.9	18.4	19.1	18.4	18.8	19.4	20.1
		HI PR	238	256	270	282	267	287	304	317	304	327	345	360	346	372	393	410	389	419	442	461	430	463	489	510
		LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

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

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

MODEL: GPH1360M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2023	MBh	54.9	56.9	62.3	-	53.6	55.6	60.9	-	52.3	54.2	59.4	-	51.0	52.9	58.0	-	48.5	50.3	55.1	-	44.9	46.6	51.0	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
		Delta T	18	16	12	-	18	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	4.04	4.12	4.25	-	4.34	4.43	4.56	-	4.60	4.70	4.84	-	4.83	4.94	5.09	-	5.03	5.14	5.30	-	5.20	5.31	5.48	-
		AMPS	17.0	17.3	17.8	-	18.2	18.6	19.1	-	19.6	20.0	20.6	-	20.8	21.2	21.9	-	22.0	22.4	23.1	-	23.1	23.7	24.4	-
		HI PR	241	260	274	-	271	291	308	-	308	331	350	-	351	377	399	-	395	425	448	-	436	469	495	-
		LO PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	141	-	128	136	148	-	132	140	153	-
	1800	MBh	53.3	55.2	60.5	-	52.0	53.9	59.1	-	50.8	52.7	57.7	-	49.6	51.4	56.3	-	47.1	48.8	53.5	-	43.6	45.2	49.5	-
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
		Delta T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
		KW	4.01	4.09	4.21	-	4.30	4.39	4.53	-	4.56	4.66	4.81	-	4.79	4.90	5.05	-	4.99	5.10	5.26	-	5.16	5.27	5.44	-
		AMPS	16.9	17.2	17.7	-	18.0	18.4	19.0	-	19.4	19.8	20.4	-	20.6	21.0	21.7	-	21.8	22.3	22.9	-	22.9	23.5	24.2	-
		HI PR	239	257	272	-	268	289	305	-	305	328	346	-	347	374	395	-	391	420	444	-	432	465	491	-
		LO PR	105	111	121	-	110	118	128	-	115	122	133	-	121	128	140	-	126	134	147	-	131	139	152	-
	1577	MBh	49.2	51.0	55.8	-	48.0	49.8	54.5	-	46.9	48.6	53.2	-	45.7	47.4	51.9	-	43.5	45.0	49.3	-	40.3	41.7	45.7	-
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	3.92	4.00	4.12	-	4.20	4.29	4.42	-	4.46	4.55	4.69	-	4.68	4.78	4.93	-	4.87	4.97	5.13	-	5.03	5.14	5.31	-
		AMPS	16.5	16.8	17.3	-	17.6	18.0	18.5	-	18.9	19.3	19.9	-	20.1	20.5	21.1	-	21.2	21.7	22.4	-	22.4	22.9	23.6	-
		HI PR	232	249	263	-	260	280	296	-	296	318	336	-	337	363	383	-	379	408	431	-	419	451	476	-
		LO PR	101	108	118	-	107	114	124	-	111	118	129	-	117	124	136	-	123	130	142	-	127	135	147	-
75	2023	MBh	55.8	57.5	62.2	66.7	54.5	56.1	60.7	65.2	53.2	54.8	59.3	63.6	51.9	**53.4**	57.9	62.1	49.3	50.8	55.0	59.0	45.7	47.0	50.9	54.6
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.88	0.79	0.60	0.39	0.91	**0.82**	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.85	0.65	0.42
		Delta T	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	4.07	4.15	4.28	4.41	4.37	4.46	4.60	4.75	4.64	4.74	4.88	5.04	4.87	**4.98**	5.13	5.30	5.07	5.18	5.35	5.52	5.24	5.36	5.53	5.71
		AMPS	17.1	17.5	18.0	18.6	18.3	18.7	19.3	19.9	19.7	20.2	20.8	21.5	20.9	**21.4**	22.0	22.8	22.1	22.6	23.3	24.1	23.3	23.9	24.6	25.5
		HI PR	244	262	277	289	274	294	311	324	311	335	354	369	354	**381**	403	420	399	429	453	472	440	474	501	522
		LO PR	107	113	124	132	113	120	131	139	117	125	136	145	123	**131**	143	152	129	137	150	159	133	142	155	165
	1800	MBh	54.2	55.8	60.4	64.8	52.9	54.5	59.0	63.3	51.7	53.2	57.6	61.8	50.4	**51.9**	56.2	60.3	47.9	49.3	53.4	57.3	44.4	45.7	49.4	53.0
		S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.75	0.57	0.37	0.87	**0.78**	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40
		Delta T	22	20	17	11	22	20	17	12	22	20	17	12	22	**21**	17	12	22	20	17	12	21	19	16	11
		KW	4.04	4.12	4.25	4.38	4.34	4.43	4.56	4.71	4.60	4.70	4.85	5.00	4.83	**4.94**	5.09	5.26	5.03	5.14	5.30	5.48	5.20	5.31	5.49	5.67
		AMPS	17.0	17.3	17.8	18.4	18.2	18.6	19.1	19.7	19.6	20.0	20.6	21.3	20.8	**21.2**	21.9	22.6	22.0	22.5	23.1	23.9	23.1	23.7	24.4	25.2
		HI PR	241	260	274	286	271	291	308	321	308	331	350	365	351	**378**	399	416	395	425	449	468	436	469	496	517
		LO PR	106	112	123	131	112	119	130	138	116	123	135	143	122	**130**	141	151	128	136	148	158	132	140	153	163
	1577	MBh	50.0	51.5	55.7	59.8	48.8	50.3	54.4	58.4	47.7	49.1	53.1	57.0	46.5	**47.9**	51.8	55.6	44.2	45.5	49.3	52.9	40.9	42.1	45.6	49.0
		S/T	0.77	0.68	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	**0.75**	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.59	0.38
		Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	22	21	17	12	21	19	16	11
		KW	3.95	4.03	4.15	4.28	4.24	4.32	4.46	4.60	4.49	4.59	4.73	4.88	4.72	**4.82**	4.97	5.13	4.91	5.01	5.17	5.34	5.07	5.18	5.35	5.53
		AMPS	16.6	16.9	17.4	18.0	17.8	18.1	18.7	19.3	19.1	19.5	20.1	20.8	20.3	**20.7**	21.3	22.0	21.4	21.9	22.6	23.3	22.6	23.1	23.8	24.6
		HI PR	234	252	266	277	263	283	299	311	299	322	340	354	340	**366**	387	403	383	412	435	454	423	455	481	501
		LO PR	102	109	119	127	108	115	126	134	112	120	131	139	118	**126**	137	146	124	132	144	153	128	136	149	158

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

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

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

MODEL: GPH1360M41*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	2023	MBh	56.8	58.0	62.0	66.3	55.5	56.7	60.6	64.7	54.2	55.3	59.1	63.2	52.8	54.0	57.7	61.7	50.2	51.3	54.8	58.6	46.5	47.5	50.8	54.3
		S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	22	18	15
		KW	4.10	4.19	4.31	4.45	4.41	4.50	4.64	4.78	4.67	4.77	4.92	5.08	4.91	5.02	5.18	5.35	5.11	5.22	5.39	5.57	5.29	5.40	5.58	5.76
		AMPS	17.3	17.6	18.1	18.7	18.5	18.9	19.4	20.1	19.9	20.3	20.9	21.6	21.1	21.6	22.2	23.0	22.3	22.8	23.5	24.3	23.5	24.1	24.8	25.7
		HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	433	458	477	445	479	506	527
		LO PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	156	167
	1800	MBh	55.1	56.3	60.2	64.4	53.9	55.0	58.8	62.9	52.6	53.7	57.4	61.4	51.3	52.4	**56.0**	59.9	48.7	49.8	53.2	56.9	45.1	46.1	49.3	52.7
		S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	**0.73**	0.54	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
		Delta T	25	24	20	16	25	24	21	17	25	24	21	17	25	24	**21**	17	25	24	21	16	23	22	19	15
		KW	4.07	4.15	4.28	4.41	4.37	4.46	4.60	4.75	4.64	4.74	4.88	5.04	4.87	4.98	**5.14**	5.30	5.07	5.18	5.35	5.52	5.24	5.36	5.53	5.71
		AMPS	17.1	17.5	18.0	18.6	18.3	18.7	19.3	19.9	19.7	20.2	20.8	21.5	20.9	21.4	**22.0**	22.8	22.2	22.6	23.3	24.1	23.3	23.9	24.6	25.5
		HI PR	244	262	277	289	274	294	311	324	311	335	354	369	354	381	**403**	420	399	429	453	473	440	474	501	522
		LO PR	107	113	124	132	113	120	131	139	117	125	136	145	123	131	**143**	152	129	137	150	159	133	142	155	165
	1577	MBh	50.9	52.0	55.6	59.4	49.7	50.8	54.3	58.0	48.5	49.6	53.0	56.6	47.3	48.4	51.7	55.3	45.0	46.0	49.1	52.5	41.7	42.6	45.5	48.6
		S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.66	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.96	0.90	0.74	0.55
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	20	16
		KW	3.98	4.06	4.18	4.31	4.27	4.36	4.49	4.63	4.53	4.62	4.77	4.92	4.75	4.86	5.01	5.17	4.95	5.05	5.22	5.39	5.12	5.23	5.39	5.57
		AMPS	16.7	17.1	17.6	18.1	17.9	18.3	18.8	19.4	19.3	19.7	20.2	20.9	20.4	20.9	21.5	22.2	21.6	22.1	22.7	23.5	22.8	23.3	24.0	24.8
		HI PR	236	255	269	280	265	286	302	315	302	325	343	358	344	370	391	407	387	416	439	458	427	460	486	506
		LO PR	103	110	120	128	109	116	127	135	114	121	132	141	119	127	139	148	125	133	145	155	129	138	150	160
85	2023	MBh	57.8	58.9	61.7	65.8	56.4	57.5	60.3	64.3	55.1	56.2	58.8	62.8	53.8	54.8	57.4	61.2	51.1	52.1	54.5	58.2	47.3	48.2	50.5	53.9
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	25	25	23	20	25	25	24	20	25	25	24	20	24	25	24	21	23	24	24	20	21	22	22	19
		KW	4.13	4.22	4.35	4.48	4.44	4.53	4.67	4.82	4.71	4.81	4.96	5.12	4.95	5.06	5.22	5.39	5.15	5.27	5.44	5.61	5.33	5.45	5.62	5.81
		AMPS	17.4	17.8	18.3	18.9	18.6	19.0	19.6	20.2	20.1	20.5	21.1	21.8	21.3	21.8	22.4	23.2	22.5	23.0	23.7	24.5	23.7	24.3	25.0	25.9
		HI PR	249	268	283	295	279	300	317	331	317	342	361	376	361	389	411	428	407	438	462	482	449	484	511	533
		LO PR	109	116	126	135	115	122	134	142	119	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168
	1800	MBh	56.1	57.2	59.9	63.9	54.8	55.9	58.5	62.4	53.5	54.5	57.1	60.9	52.2	53.2	55.7	59.4	49.6	50.5	52.9	56.5	45.9	46.8	49.0	52.3
		S/T	0.91	0.88	0.79	0.64	0.95	0.91	0.82	0.67	0.97	0.94	0.84	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		Delta T	26	26	24	21	26	26	25	21	27	26	25	21	27	26	25	21	25	26	24	21	23	24	23	20
		KW	4.10	4.19	4.31	4.45	4.41	4.50	4.64	4.78	4.67	4.77	4.92	5.08	4.91	5.02	5.18	5.35	5.11	5.22	5.39	5.57	5.29	5.40	5.58	5.76
		AMPS	17.3	17.6	18.1	18.7	18.5	18.9	19.4	20.1	19.9	20.3	20.9	21.6	21.1	21.6	22.2	23.0	22.3	22.8	23.5	24.3	23.5	24.1	24.8	25.7
		HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	433	458	477	445	479	506	527
		LO PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	156	167
	1577	MBh	51.8	52.8	55.3	59.0	50.6	51.6	54.0	57.6	49.4	50.3	52.7	56.2	48.2	49.1	51.4	54.9	45.8	46.7	48.9	52.1	42.4	43.2	45.3	48.3
		S/T	0.88	0.85	0.77	0.62	0.91	0.88	0.79	0.64	0.94	0.90	0.81	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71
		Delta T	27	26	25	21	27	26	25	22	27	26	25	22	27	27	25	22	27	26	25	22	25	25	23	20
		KW	4.01	4.09	4.21	4.34	4.30	4.39	4.53	4.67	4.56	4.66	4.81	4.96	4.79	4.89	5.05	5.21	4.99	5.10	5.26	5.43	5.16	5.27	5.44	5.62
		AMPS	16.9	17.2	17.7	18.3	18.0	18.4	19.0	19.6	19.4	19.8	20.4	21.1	20.6	21.0	21.7	22.4	21.8	22.3	22.9	23.7	22.9	23.5	24.2	25.0
		HI PR	239	257	271	283	268	288	305	318	305	328	346	361	347	374	395	411	391	420	444	463	432	464	490	511
		LO PR	105	111	121	129	110	117	128	137	115	122	133	142	121	128	140	149	126	134	147	156	131	139	152	162

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

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

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

HEATING PERFORMANCE DATA GPH13[24-42]M41A*/B*

EXPANDED PERFORMANCE DATA

MODEL: GPH1324M41A*/B* **HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	28.9	27.4	25.8	24.1	23.0	22.3	20.7	19.1	16.7	15.4	14.2	13.4	12.9	11.6	10.3	9.0	7.6	6.3
Delta T	32.4	30.7	28.9	27.0	25.8	25.0	23.2	21.4	18.8	17.3	15.9	15.1	14.5	13.0	11.5	10.1	8.6	7.0
KW	2.14	2.10	2.06	2.01	1.99	1.97	1.94	1.89	2.32	2.26	2.21	2.18	2.16	2.10	2.05	2.00	1.95	1.89
AMPS	10.4	9.8	9.2	8.8	8.5	8.4	8.0	7.7	7.4	7.1	6.9	6.7	6.7	6.4	6.1	5.8	5.5	5.1
COP	3.96	3.82	3.67	3.50	3.38	3.30	3.13	2.95	2.11	1.99	1.88	1.80	1.75	1.61	1.47	1.31	1.15	0.97
EER	13.5	13.1	12.5	12.0	11.5	11.3	10.7	10.1	7.2	6.8	6.4	6.2	6.0	5.5	5.0	4.5	3.9	3.3
HI PR	379	364	350	334	326	320	308	295	283	270	260	253	249	239	230	221	213	205
LO PR	135	126	118	108	102	98	90	80	73	65	57	53	51	43	37	31	27	22

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

MODEL: GPH1330M41A*/B* **HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	36.2	34.3	32.3	30.2	28.8	27.9	25.9	23.9	21.2	19.6	18.0	17.0	16.4	14.7	13.0	11.4	9.7	7.9
Delta T	31.9	30.2	28.4	26.6	25.4	24.6	22.9	21.1	18.7	17.3	15.9	15.0	14.4	13.0	11.5	10.0	8.6	7.0
KW	2.74	2.68	2.63	2.58	2.55	2.53	2.48	2.43	2.29	2.24	2.19	2.17	2.15	2.10	2.05	2.00	1.95	1.90
AMPS	13.6	12.7	12.0	11.4	11.1	10.9	10.4	9.9	9.6	9.2	8.9	8.7	8.6	8.2	7.8	7.5	7.0	6.5
COP	3.87	3.74	3.59	3.42	3.30	3.23	3.06	2.88	2.71	2.55	2.40	2.30	2.23	2.05	1.86	1.66	1.46	1.22
EER	13.2	12.8	12.3	11.7	11.3	11.0	10.5	9.8	9.2	8.7	8.2	7.9	7.6	7.0	6.4	5.7	5.0	4.2
HI PR	375	359	346	330	323	316	304	292	280	267	256	250	246	236	227	218	210	203
LO PR	131	122	114	105	99	95	88	78	70	63	55	51	49	42	36	30	27	21

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

MODEL: GPH1336M41A*/B* **HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	43.0	40.7	38.3	35.8	34.2	33.1	30.8	28.4	24.4	22.6	20.8	19.6	18.9	17.0	15.0	13.1	11.2	9.2
Delta T	34.6	32.8	30.8	28.8	27.5	26.7	24.8	22.9	19.7	18.2	16.7	15.8	15.2	13.6	12.1	10.6	9.0	7.4
KW	3.10	3.04	2.98	2.92	2.89	2.86	2.81	2.75	2.36	2.31	2.26	2.24	2.22	2.17	2.12	2.07	2.02	1.97
AMPS	15.4	14.4	13.6	12.9	12.5	12.3	11.7	11.1	10.7	10.3	9.9	9.7	9.6	9.2	8.7	8.3	7.8	7.2
COP	4.06	3.92	3.76	3.58	3.46	3.39	3.21	3.02	3.03	2.86	2.69	2.57	2.50	2.29	2.08	1.85	1.62	1.36
EER	13.9	13.4	12.8	12.2	11.8	11.6	11.0	10.3	10.4	9.8	9.2	8.8	8.5	7.8	7.1	6.3	5.5	4.6
HI PR	403	386	371	355	347	340	327	314	300	287	276	269	264	254	244	234	226	218
LO PR	137	127	119	109	103	99	91	81	73	66	58	54	52	44	38	32	28	22

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

MODEL: GPH1342M41A*/B* **HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**		**-5**	**-10**
MBh	50.3	47.6	44.8	41.9	40.0	38.8	36.0	33.2	27.5	25.4	23.4	22.1	21.3	19.1	16.9	14.8	12.6	10.3
Delta T	35.8	33.9	31.9	29.8	28.5	27.6	25.6	23.6	19.6	18.1	16.7	15.7	15.1	13.6	12.0	10.5	9.0	7.3
KW	3.58	3.52	3.45	3.38	3.34	3.31	3.25	3.18	2.31	2.27	2.23	2.20	2.18	2.14	2.09	2.05	2.01	1.96
AMPS	17.6	16.5	15.6	14.8	14.3	14.1	13.4	12.8	12.3	11.9	11.4	11.2	11.1	10.6	10.0	9.6	9.0	8.3
COP	4.11	3.96	3.80	3.62	3.50	3.42	3.24	3.05	3.48	3.27	3.07	2.94	2.85	2.61	2.36	2.11	1.84	1.54
EER	14.0	13.5	13.0	12.4	12.0	11.7	11.1	10.4	11.9	11.2	10.5	10.0	9.7	8.9	8.1	7.2	6.3	5.3
HI PR	323	310	298	285	278	273	262	252	241	230	221	216	212	204	196	188	181	175
LO PR	141	131	122	112	106	102	94	84	75	67	59	55	53	45	39	33	29	22

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

PERFORMANCE TEST

All data based upon listed indoor dry bulb temperature. .00 inches external static pressure on coil of outdoor section. Indoor air cubic feet per minute (CFM) as listed in the Performance Data Sheets:

If conditions vary from this, results will change as follows:

1. As indoor dry bulb temperatures increase, a slight increase will occur in indoor air temperature drop (Delta T). Low and high side pressures and power will not change.
2. As indoor CFM decreases, a slight increase will occur in indoor temperature drop (Delta T). A slight decrease will occur in low and high side pressures and power.

A properly operating unit should be within plus or minus **3 degrees** of the typical (**Delta T**) value shown.

A properly operating unit should be within plus or minus **7 PSIG** of the **HI PR** shown.

A properly operating unit should be within plus or minus **3 PSIG** of the **LO PR** shown.

A properly operating unit should be within plus or minus **3 Amps** of the typical value shown.

HEATING PERFORMANCE DATA GPH13[48-60]M41A*/B*

EXPANDED PERFORMANCE DATA

MODEL: GPH1348M41A*/B* **HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**		**-5**	**-10**
MBh	57.2	54.1	51.0	47.6	45.5	44.1	41.0	37.8	32.8	30.2	27.8	26.3	25.3	22.7	20.1	17.6	15.0	12.3
Delta T	30.8	29.1	27.4	25.6	24.5	23.7	22.0	20.3	17.6	16.3	15.0	14.2	13.6	12.2	10.8	9.5	8.1	6.6
KW	3.90	3.83	3.75	3.68	3.63	3.60	3.53	3.46	2.48	2.43	2.38	2.36	2.34	2.29	2.24	2.19	2.14	2.09
AMPS	19.0	17.7	16.7	15.8	15.3	15.0	14.3	13.7	13.1	12.6	12.1	11.9	11.8	11.2	10.6	10.1	9.5	8.7
COP	4.29	4.14	3.97	3.79	3.66	3.58	3.39	3.20	3.86	3.64	3.42	3.27	3.17	2.91	2.63	2.35	2.05	1.72
EER	14.7	14.1	13.6	13.0	12.5	12.2	11.6	10.9	13.2	12.4	11.7	11.2	10.8	9.9	9.0	8.0	7.0	5.9
HI PR	372	357	343	328	320	314	302	290	278	265	255	249	244	235	226	217	209	202
LO PR	130	121	113	104	98	95	87	77	70	62	55	51	49	42	36	30	26	21

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

MODEL: GPH1360M41A*/B* **HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**		**-5**	**-10**
MBh	69.8	66.0	62.2	58.1	55.5	53.8	50.0	46.1	39.1	36.1	33.3	31.4	30.3	27.1	24.1	21.0	17.9	14.7
Delta T	35.9	34.0	32.0	29.9	28.5	27.7	25.7	23.7	20.1	18.6	17.1	16.2	15.6	14.0	12.4	10.8	9.2	7.5
KW	4.80	4.71	4.62	4.53	4.47	4.44	4.35	4.26	2.41	2.36	2.32	2.30	2.28	2.24	2.20	2.16	2.12	2.08
AMPS	24.1	22.5	21.2	20.1	19.4	19.1	18.1	17.3	16.7	16.0	15.4	15.0	14.9	14.2	13.4	12.8	12.0	11.0
COP	4.25	4.10	3.94	3.76	3.63	3.55	3.36	3.17	4.76	4.47	4.19	4.00	3.88	3.54	3.20	2.84	2.47	2.06
EER	14.5	14.0	13.5	12.8	12.4	12.1	11.5	10.8	16.3	15.3	14.3	13.7	13.2	12.1	10.9	9.7	8.4	7.1
HI PR	385	369	354	339	331	325	312	300	287	274	263	257	252	243	233	224	216	208
LO PR	134	124	116	107	101	97	89	80	72	64	56	52	50	43	37	31	27	21

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

PERFORMANCE TEST

All data based upon listed indoor dry bulb temperature. .00 inches external static pressure on coil of outdoor section. Indoor air cubic feet per minute (CFM) as listed in the Performance Data Sheets:

If conditions vary from this, results will change as follows:

1. As indoor dry bulb temperatures increase, a slight increase will occur in indoor air temperature drop (Delta T). Low and high side pressures and power will not change.
2. As indoor CFM decreases, a slight increase will occur in indoor temperature drop (Delta T). A slight decrease will occur in low and high side pressures and power.

A properly operating unit should be within plus or minus **3 degrees** of the typical (**Delta T**) value shown.

A properly operating unit should be within plus or minus **7 PSIG** of the **HI PR** shown.

A properly operating unit should be within plus or minus **3 PSIG** of the **LO PR** shown.

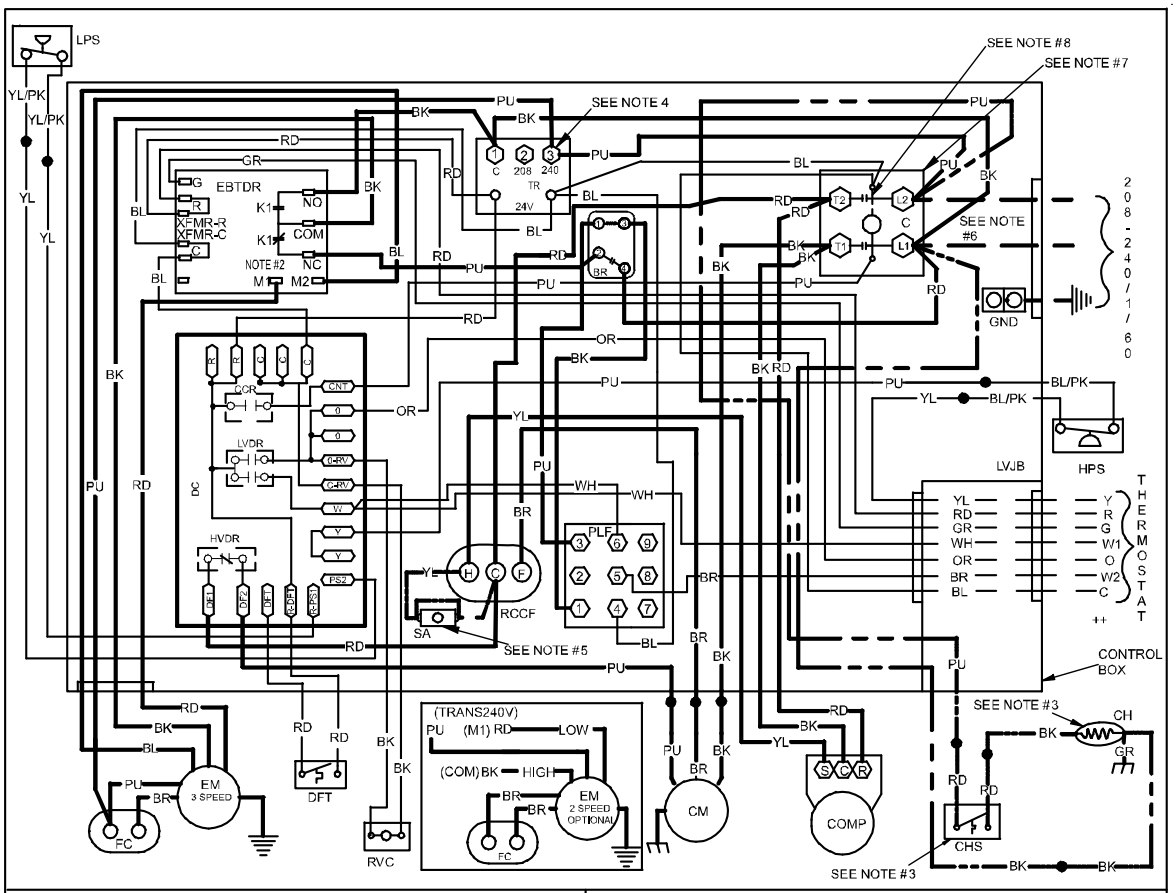
A properly operating unit should be within plus or minus **3 Amps** of the typical value shown.

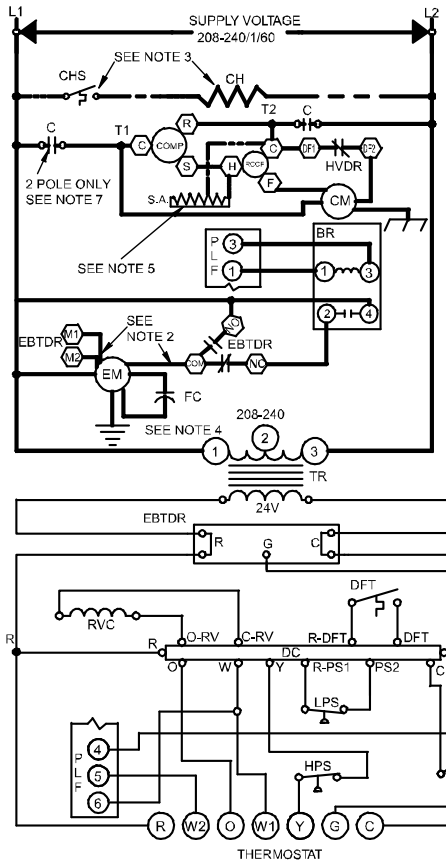
WIRING DIAGRAMS

GPH13[24-42]M41AB/AC/BA

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.





COMPONENT LEGEND

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

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

FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

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

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTOR SPEED REPLACE LEAD ON EBTDR "COM" WITH LEAD ON EBTDR "M1" OR "M2".
3. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
4. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TERMINAL 2 ON TRANSFORMER.
5. START ASSIST FACTORY EQUIPPED WHEN REQUIRED.
6. USE COPPER CONDUCTORS ONLY ++ USE N.E.C. CLASS2 WIRE.
7. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
8. COMMON SIDE OF CONTACTOR CAN NOT BE GROUNDED OR CONNECTED TO ANY OTHER COMMON (24V).

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

0140G01745-B

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

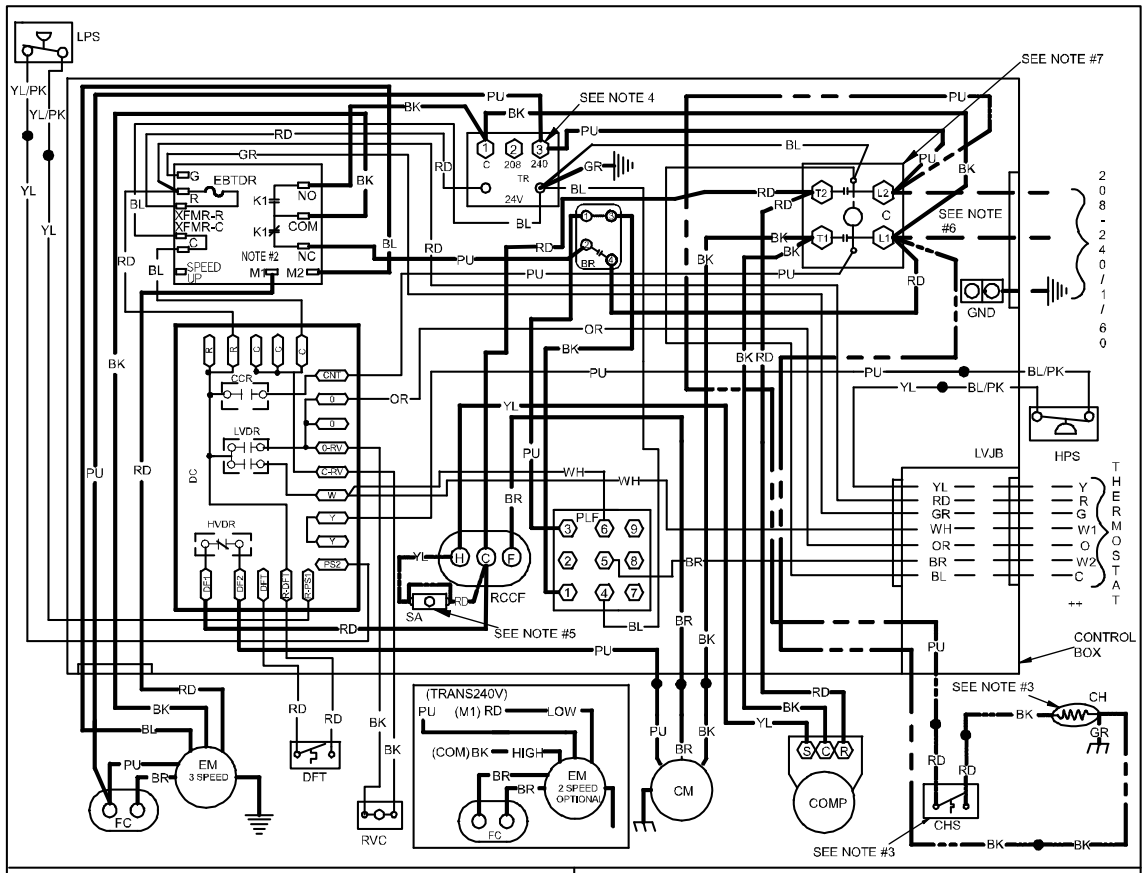
WIRING DIAGRAMS

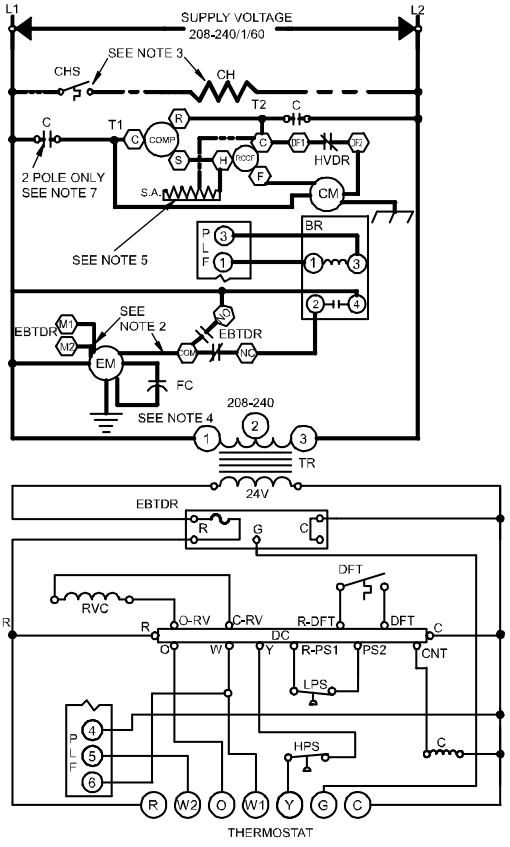
GPH13[24-42]M41AB/AC/BA

This wiring diagram applies to units manufactured after March 15, 2012.

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.





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

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

FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

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

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTOR SPEED REPLACE LEAD ON EBTDR "COM" WITH LEAD ON EBTDR "M1" OR "M2".
3. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
4. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TERMINAL 2 ON TRANSFORMER.
5. START ASSIST FACTORY EQUIPPED WHEN REQUIRED.
6. USE COPPER CONDUCTORS ONLY ++ USE N.E.C. CLASS 2 WIRE.
7. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.

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

0140G02399-A

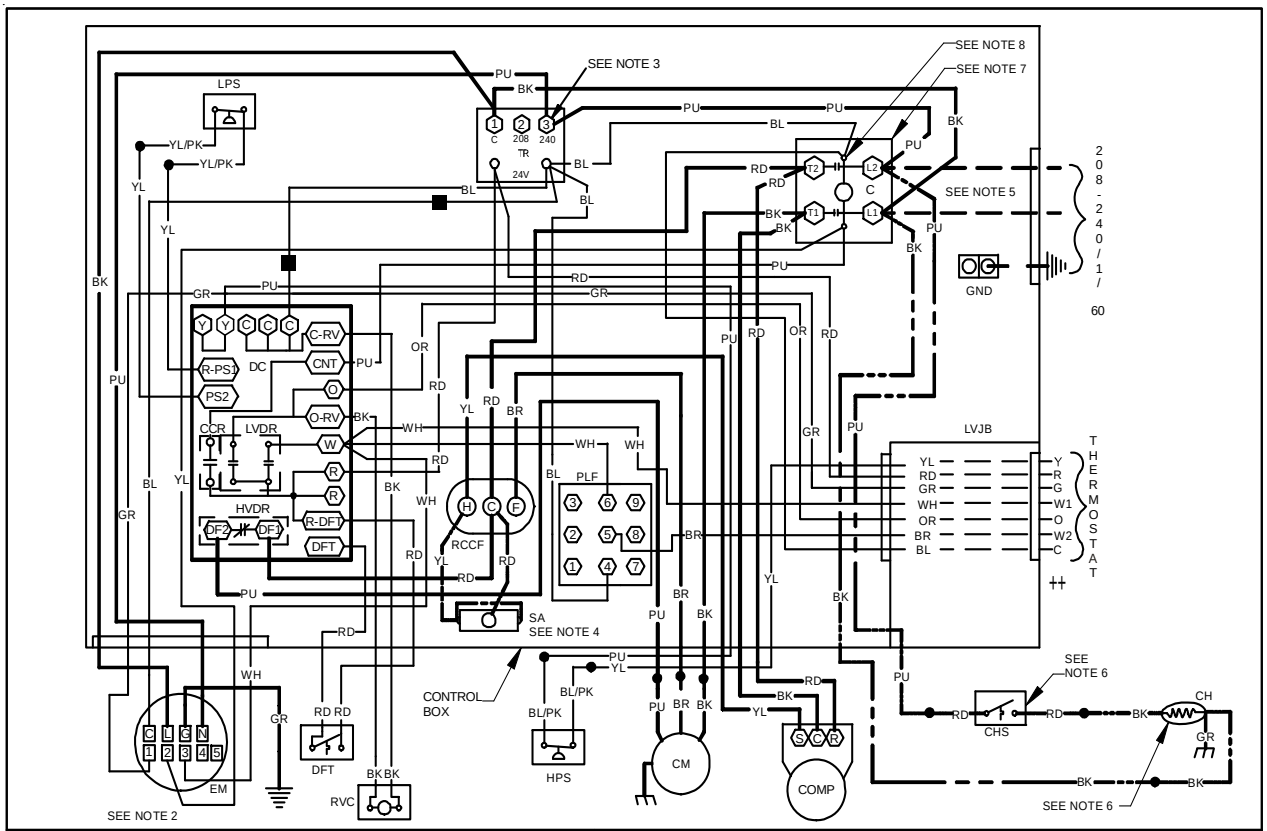
Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.

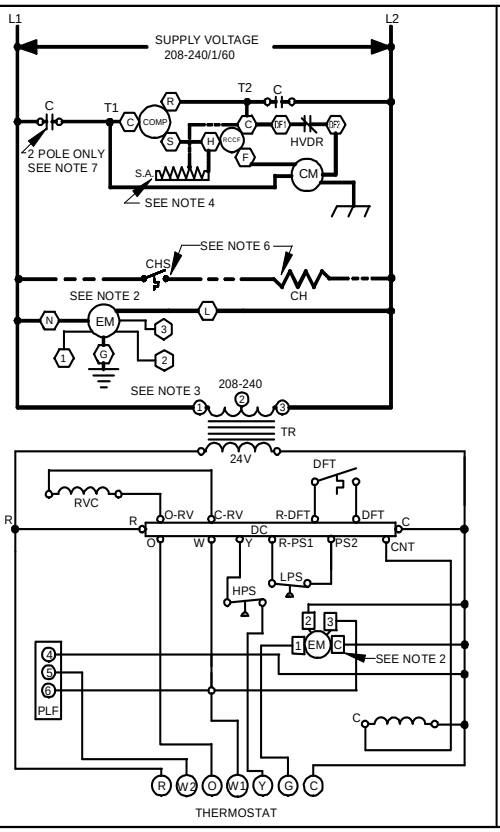
WIRING DIAGRAMS

GPH13[48-60]M41AB/AC/BA

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.





COMPONENT LEGEND

C	CONTACTOR
CCR	COMPRESSOR CONTACTOR RELAY
CH	CRANKCASE HEATER
CHS	CRANKCASE HEATER SWITCH
CM	CONDENSER MOTOR
COMP	COMPRESSOR
DC	DEFROST CONTROL
DFT	DEFROST THERMOSTAT
EM	EVAPORATOR MOTOR
GND	EQUIPMENT GROUND
HVDR	HIGH VOLTAGE DEFROST RELAY
LPS	LOW PRESSURE SWITCH
LVDR	LOW VOLTAGE DEFROST RELAY
LVJB	LOW VOLTAGE JUNCTION BOX
PLF	FEMALE PLUG / CONNECTOR
RVC	REVERSING VAVLE COIL
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN
SA	START ASSIST
TR	TRANSFORMER
HPS	HIGH PRESSURE SWITCH

FACTORY WIRING
- LINE VOLTAGE
- LOW VOLTAGE
- OPTINAL HIGH VOLTAGE

FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

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

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTO R SPEED MOVE WHITE AND YELLOW LEADS FROM EM"2" AND "3" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
3. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
4. START ASSIST FACTORY EQUIPPED WHEN REQUIRED
5. USE COPPER CONDUCTORS ONLY
++ USE N.E.C. CLASS 2 WIRE
6. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
7. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
8. COMMON SIDE OF CONTACTOR CAN NOT BE GROUNDED OR CONNECTED TO ANY OTHER COMMON (24V).

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

208-240/1/60 0140G01640-A

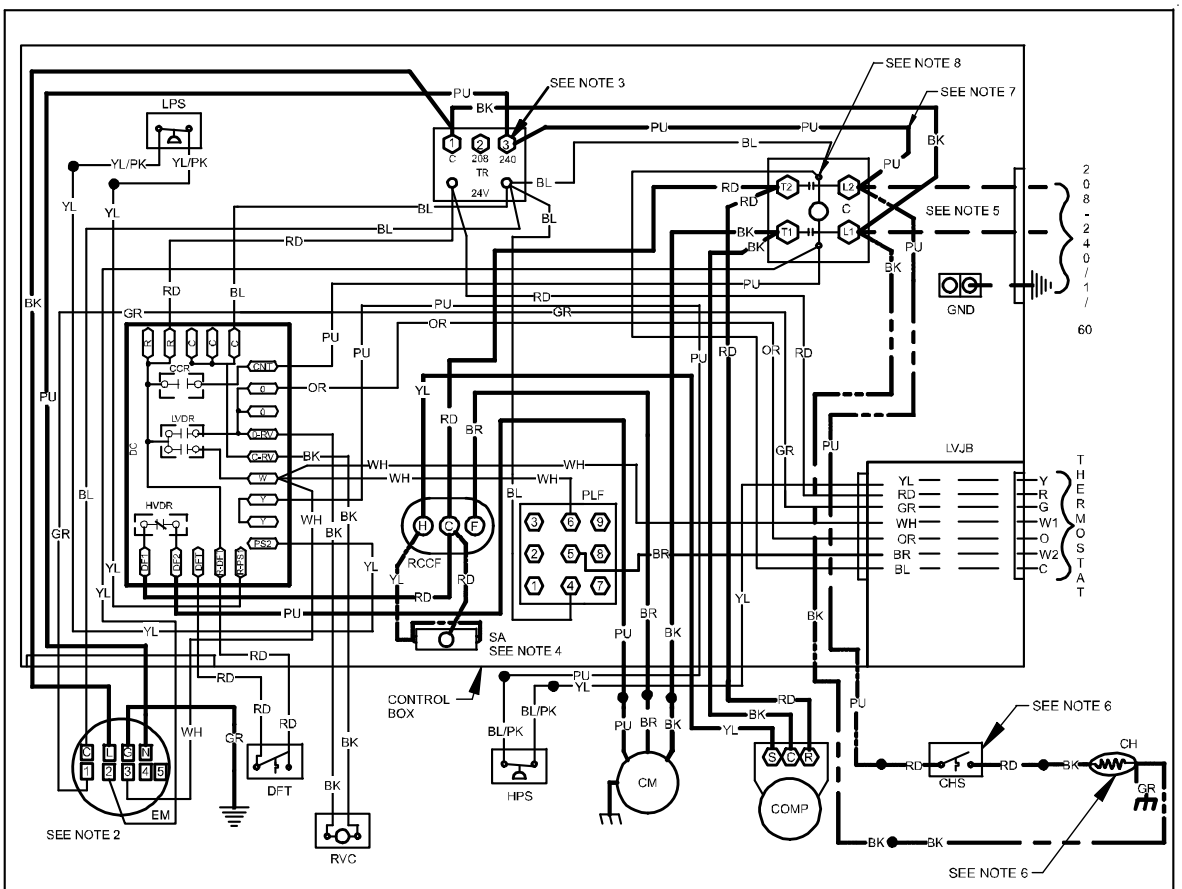
Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.

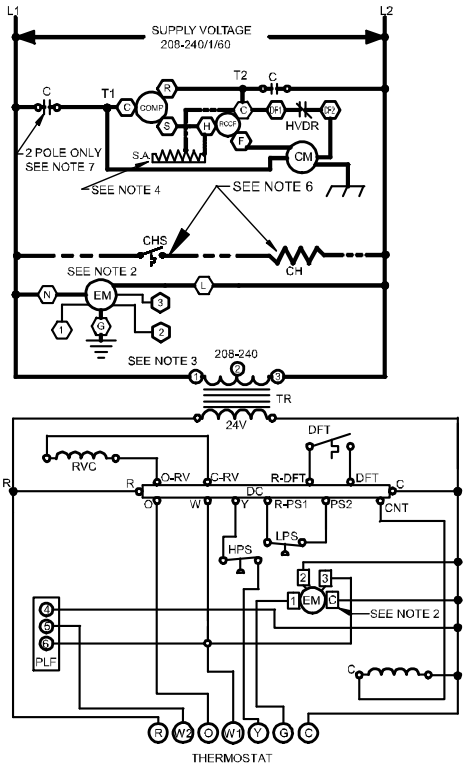
WIRING DIAGRAMS

GPH13[48-60]M41AC/BA

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.





COMPONENT LEGEND

C	CONTACTOR
CCR	COMPRESSOR CONTACTOR RELAY
CH	CRANKCASE HEATER
CHS	CRANKCASE HEATER SWITCH
CM	CONDENSER MOTOR
COMP	COMPRESSOR
DC	DEFROST CONTROL
DFT	DEFROST THERMOSTAT
EM	EVAPORATOR MOTOR
GND	EQUIPMENT GROUND
HVDR	HIGH VOLTAGE DEFROST RELAY
LPS	LOW PRESSURE SWITCH
LVDR	LOW VOLTAGE DEFROST RELAY
LVJB	LOW VOLTAGE JUNCTION BOX
PLF	FEMALE PLUG / CONNECTOR
RVC	REVERSING VALVE COIL
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN
SA	START ASSIST
TR	TRANSFORMER
HPS	HIGH PRESSURE SWITCH

FACTORY WIRING

- LINE VOLTAGE
- LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE

FIELD WIRING

- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

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

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTOR SPEED MOVE WHITE ANDYELLOW LEADS FROM EM"2" AND "3" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
3. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
4. START ASSIST FACTORY EQUIPPED WHEN REQUIRED
5. USE COPPER CONDUCTORS ONLY
++ USE N.E.C. CLASS 2 WIRE
6. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
7. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
8. COMMON SIDE OF CONTACTOR CAN NOT BE GROUNDED OR CONNECTED TO ANY OTHER COMMON (24V).

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

0140G01640-B

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

PRODUCT DESIGN

GPH13 M SEER R-410A
Single Phase
Package Cooling Units

GPH1324M41C*	GPH1342M41C*
GPH1330M41C*	GPH1348M41C*
GPH1336M41C*	GPH1360M41C*

GPH13 (M Series) Package Units are designed for outdoor installations only in either residential or light commercial applications and are available in 2, 2.5, 3, 3.5, 4 & 5 ton sizes. They are designed for 208/230 volt single phase applications.

The connecting ductwork (Supply and Return) can be connected for either horizontal or vertical airflow. In the vertical application, a matching Roof Curb is recommended and a horizontal duct cover kit is required.

A return air filter must be installed behind the return air grille(s) or provision must be made for a filter in an accessible location within the return air duct. The minimum filter area should not be less than those sizes listed in the Specification Section. Under no circumstances should the unit be operated without return air filters.

A 3/4" pipe is provided for removal of condensate water from the indoor coil. A trap must be provided to have proper condensate drainage. (Do not reduce the drain line size).

Refrigerant flow control is achieved by use of restrictor orifices.

All heat pump models also have a suction line accumulator installed between the reversing valve and the compressor. The object of the accumulator is to:

1. Provide a liquid refrigerant storage vessel during prolonged system off cycles.
2. Store excess liquid refrigerant not needed by the system while running.
3. Return oil and saturated vapor to the compressor at a controlled rate.
4. Retain stored excess refrigerant during a sudden system pressure fluctuation such as seen in defrost cycles.

Refrigerant flow control is achieved by use of restrictor orifices. These models use the FasTest Access Fitting System, with a saddle that is either soldered to the suction and liquid lines or is fastened with a locking nut to the access fitting box (core) and then screwed into the saddle. **Do not remove the core from the saddle until the refrigerant charge has been removed. Failure to do so could result in property damage or personal injury.**

The single phase units use permanent split capacitor (PSC) design compressors. Starting components are not required for these units. A low microfarad run capacitor assists the compressor to start and remains in the circuit during operation.

The outdoor fan motors are single phase capacitor type motors. Some models use PSC type indoor blower motors while others use EEM type blower motors. EEM motors are energized by a 24V signal from the thermostat and are constant torque motors with very low power consumption.

The EEM features an integral control module.

Air for condensing (cooling cycle) or evaporation (heating cycle) is drawn through the outdoor coil by a propeller fan, and is discharged vertically out the top of the unit. The outdoor coil is designed for .0 static. No additional restriction (ductwork) shall be applied.

Conditioned air is drawn through the filter(s), field installed, across the coil and back into the conditioned space by the indoor blower.

Package Heat Pump indoor sections are designed to accept optional components such as auxiliary electric heaters and circuit breakers. Provisions for these components have been made at time of manufacture.

GPH13 series package units use the Compliant Scroll compressor; there are a number of design characteristics which are different from the traditional reciprocating compressor.

- Due to their design Scroll compressors are inherently more tolerant of liquid refrigerant. **NOTE**: Even though the compressor section of a Scroll compressor is more tolerant of liquid refrigerant, continued flood back or flooded start conditions may wash oil from the bearing surfaces causing premature bearing failure.

- These Scroll compressors use "POE" or polyolester oil which is NOT compatible with mineral oil based lubricants like 3GS. "POE" oil must be used if additional oil is required.

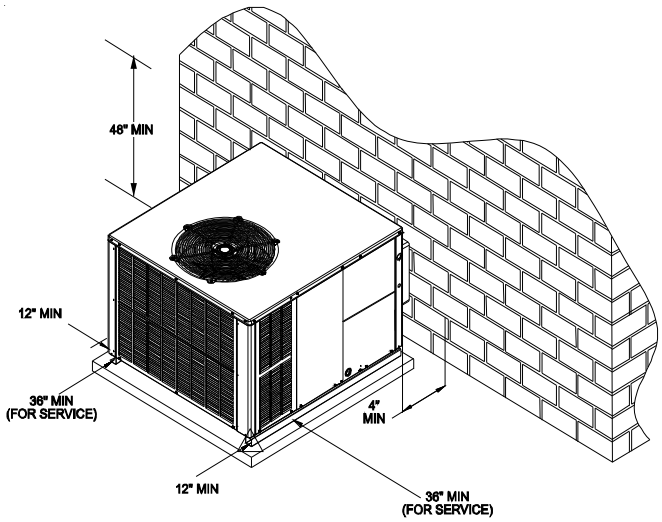
- Compliant scroll compressors perform “quiet” shutdowns that allow the compressor to restart immediately without the need for a time delay. This compressor will restart even if the system has not equalized.

- Operating pressures and amp draws may differ from standard reciprocating compressors. This information may be found in the “Cooling Performance Data” section.

PRODUCT DESIGN

Location and Clearances

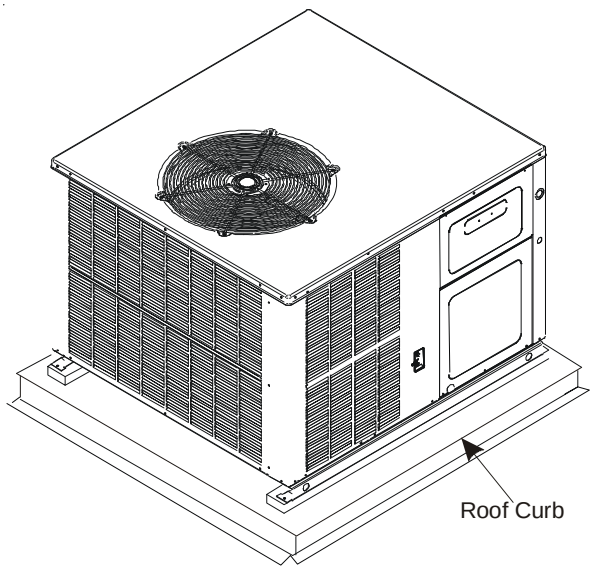
NOTE: To ensure proper condensate drainage, unit must be installed in a level position.



Outside Slab Installation -Multi-positional (M)

NOTE: Roof overhang should be no more than 36" and provisions made to deflect the warm discharge air out from the overhang.

Minimum clearances are required to avoid air recirculation and keep the unit operating at peak efficiency.



Rooftop Installation - -Multi-positional (M)

NOTE: To ensure proper condensate drainage, unit must be installed in a level position.

In installations where the unit is installed above ground level and not serviceable from the ground (Example: roof top installations) the installer must provide service platform for service person with rails or guards in accordance with local codes or ordinances, or, in their absence, with the latest edition of the Uniform Mechanical Code Section 305.

NOTE: Unit can also use roof curb (and platform for leveling, where necessary) to utilize bottom discharge.

⚠ WARNING

TO PREVENT POSSIBLE PROPERTY DAMAGE, THE UNIT SHOULD REMAIN IN AN UPRIGHT POSITION DURING ALL RIGGING AND MOVING OPERATIONS. TO FACILITATE LIFTING AND MOVING IF A CRANE IS USED, PLACE THE UNIT IN AN ADEQUATE CABLE SLING.

IMPORTANT: If using bottom discharge with roof curb, ductwork should be attached to the curb prior to installing the unit.

NOTE: Single phase models require installation of horizontal duct kit #20464501PDGK (medium chassis) and #20464502PDGK (large chassis) when using bottom discharge.

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

PACKAGE HEAT PUMP SPECIFICATIONS GPH13[24-36]M41C*

		GPH1324M41*	GPH1330M41*	GPH1336M41*
COOLING	COOLING CAPACITY, BTUH	24,000	28,400	34600
CAPACITY	SEER / EER	13/11	13/11	13/11
HEATING	BTU/h (47°)	23000	27000	34600
RATING	BTU/h (17°)	12600	17000	19000
	HSPF	7.7	7.7	7.7
UNIT	VOLTAGE (NAMEPLATE)	208/230-60-1	208/230-60-1	208/230-60-1
ELECTRICAL	AMPS	15.8	17	22.1
SPECIFICATION	MIN CIRCUIT AMPACITY	19.0	20.6	26.2
	MAX OVERCURRENT PROTECTION(1)	30	30	40
COMPRESSOR	TYPE	SCROLL	SCROLL	SCROLL
	RATED LOAD AMPS	12.8	14.1	16.7
	LOCKED ROTOR AMPS	58.3	73	79
CONDENSER	HORSEPOWER	1/4	1/4	1/4
FAN MOTOR	RPM	830	830	830
	FULL LOAD AMPS	1.5	1.5	1.5
	LOCKED ROTOR AMPS	3	3	3
CONDENSER FAN	BLADE DIAMETER (INCHES) NUMBER OF BLADES	22/3	22/3	22/4
CONDENSER	FACE AREA (SQ. FT.)	17.02	17.02	16.83
COIL	NUMBER OF ROWS	1	1	1
	FINS PER INCH	24	24	22
EVAPORATOR	HORSEPOWER - NUMBER OF SPEEDS	1/4 - 3	1/3 - 3	1/2 - 5
BLOWER	FULL LOAD AMPS	1.5	1.5	3.8
MOTOR	LOCKED ROTOR AMPS	2.13	3.2	--
	MOTOR SPEED TAP - COOLING X-13	High	High	T2/T3
	RPM	952	869	1,050
EVAPORATOR	DIAMETER X WIDTH (INCHES)	10 x 9	10 x 9	10 x 9
BLOWER	RATED SCFM COOLING	850	1090	1200
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5	0.5
EVAPORATOR	FACE AREA (SQ. FT.)	4.55	4.55	4.55
COIL	NUMBER OF ROWS	4	4	4
	FINS PER INCH	14	14	14
GENERAL	FILTER SIZE *	25 x 25 x 1	25 x 25 x 1	25 x 25 x 1
INFORMATION	DRAIN SIZE (INCHES)	3/4"	3/4"	3/4"
	EXPANSION DEVICE (ID/OD)	0.059/0.049	0.065/0.055	0.071/0.055
	REFRIGERANT CHARGE R410A (OZS.)	111	100	128
	POWER SUPPLY CONDUIT KNOCKOUT SIZE (INCHES)	3/4, 1, 1-1/4	3/4, 1, 1-1/4	3/4, 1, 1-1/4
	LOW VOLTAGE CONDUIT KNOCKOUT SIZE (INCHES)	1/2	1/2	1/2
	LO PRESSURE SWITCH OPENS / CLOSES PSIG	22 / 50	22 / 50	22 / 50
	HI PRESSURE SWITCH - OPENS PSIG OPENS / CLOSES PSIG	660 / 420	660 / 420	660 / 420
	SHIPPING WEIGHT (LBS.)	365	390	400
	OPERATING WEIGHT (LBS.)	355	380	390

(1) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
* Calculated external filter size based on air velocity of 300 ft/min.

Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.
Unit specifications are subject to change without notice. **ALWAYS** refer to the units serial plate for the most up-to-date general and electrical information.

IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes. Data shown is w/o electric heaters.

PACKAGE HEAT PUMP SPECIFICATIONS GPH13[42-60]M41C*

		GPH1342M41*	GPH1348M41*	GPH1360M41*
COOLING	COOLING CAPACITY, BTUH	41500	47000	56000
CAPACITY	SEER / EER	13/11	13/11	13/10.9
HEATING	BTU/h (47°)	41000	47000	55500
RATING	BTU/h (17°)	23000	27000	31200
	HSPF	7.7	8.0	8.0
UNIT	VOLTAGE (NAMEPLATE)	208/230-60-1	208/230-60-1	208/230-60-1
ELECTRICAL	AMPS	22.4	29.0	35.4
SPECIFICATION	MIN CIRCUIT AMPACITY	26.8	34.5	42.0
	MAX OVERCURRENT PROTECTION(1)	40	50	60
COMPRESSOR	TYPE	SCROLL	SCROLL	SCROLL
	RATED LOAD AMPS	17.9	21.8	26.4
	LOCKED ROTOR AMPS	112	117	134
CONDENSER	HORSEPOWER	1/4	1/4	1/4
FAN MOTOR	RPM	1075	1075	1075
	FULL LOAD AMPS	1.4	1.4	1.4
	LOCKED ROTOR AMPS	2.9	2.9	2.9
CONDENSER FAN	BLADE DIAMETER (INCHES) NUMBER OF BLADES	22/3	22/3	22/3
CONDENSER	FACE AREA (SQ. FT.)	16.83	19.24	21.04
COIL	NUMBER OF ROWS	2	2	2
	FINS PER INCH	16	16	16
EVAPORATOR	HORSEPOWER - NUMBER OF SPEEDS	1/3 - 3	3/4 - 5	1 - 5
BLOWER	FULL LOAD AMPS	3.06	5.8	7.6
MOTOR	LOCKED ROTOR AMPS	4.1	---	---
	MOTOR SPEED TAP - COOLING X-13	High	T2/T3	T2/T3
	RPM	910	1050	1050
EVAPORATOR	DIAMETER X WIDTH (INCHES)	10 x 9	10 x 9	10 x 9
BLOWER	RATED SCFM COOLING	1385	1690	1775
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5	0.5
EVAPORATOR	FACE AREA (SQ. FT.)	4.55	6.20	6.20
COIL	NUMBER OF ROWS	4	4	4
	FINS PER INCH	14	14	14
GENERAL	FILTER SIZE *	25 x 25 x 1	(2) 20 x 20 x 1	(2) 20 x 20 x 1
INFORMATION	DRAIN SIZE (INCHES)	3/4"	3/4"	3/4"
	EXPANSION DEVICE (ID/OD)	0.072/0.059	0.080/0.062	0.084/0.072
	REFRIGERANT CHARGE R410A (OZS.)	180	200	220
	POWER SUPPLY CONDUIT KNOCKOUT SIZE (INCHES)	3/4, 1, 1-1/4	3/4, 1, 1-1/4	3/4, 1, 1-1/4
	LOW VOLTAGE CONDUIT KNOCKOUT SIZE (INCHES)	1/2	1/2	1/2
	LO PRESSURE SWITCH OPENS / CLOSES PSIG	22 / 50	22 / 50	22 / 50
	HI PRESSURE SWITCH - OPENS PSIG OPENS / CLOSES PSIG	660 / 420	660 / 420	660 / 420
	SHIPPING WEIGHT (LBS.)	420	485	495
	OPERATING WEIGHT (LBS.)	410	475	485

(1) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

* Calculated external filter size based on air velocity of 300 ft/min.

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

Unit specifications are subject to change without notice. **ALWAYS** refer to the units serial plate for the most up-to-date general and electrical information.

IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes. Data shown is w/o electric heaters.

BLOWER PERFORMANCE DATA

GPH13[24-60]M41C*

Dry Coil Data

Model	Motor Tap Speed	Volts		E.S.P. (In. of H2O)							
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
GPC1324M41C*	Low	230	CFM	667	596	--	--	--	--	--	--
			Watts	153	150	--	--	--	--	--	--
	Med	230	CFM	897	841	784	713	610	--	--	--
			Watts	233	229	224	217	207	--	--	--
	High	230	CFM	1,242	1,181	1,122	1,057	982	883	719	617
			Watts	373	364	354	344	333	318	298	284
GPC1330M41C*	Low	230	CFM	1,097	1,059	1,016	959	901	818	648	562
			Watts	337	330	324	315	305	290	271	257
	Med	230	CFM	1,253	1,204	1,148	1,097	1,033	952	777	670
			Watts	397	388	379	369	356	342	313	297
	High	230	CFM	1,448	1,380	1,323	1,258	1,194	1,106	1,008	864
			Watts	499	483	472	459	446	427	410	382
GPC1336M41C*	T1	230	CFM	867	789	711	632	554	--	--	--
			Watts	77	84	90	97	103	--	--	--
	T2 / T3	230	CFM	1,272	1,222	1,173	1,123	1,074	1,024	974	925
			Watts	223	230	236	243	249	256	262	269
	T4 / T5	230	CFM	1,446	1,396	1,347	1,297	1,248	1,198	1,148	1,099
			Watts	287	293	300	306	313	319	326	332
GPH1342M41C*	Low	230	CFM	1,122	1,078	1,032	972	915	804	687	558
			Watts	338	330	321	310	300	283	264	250
	Med	230	CFM	1,387	1,331	1,264	1,209	1,119	1,041	935	748
			Watts	456	440	428	412	399	382	363	330
	High	230	CFM	1,521	1,454	1,388	1,311	1,230	1,144	1,055	939
			Watts	534	521	510	490	477	461	442	420
GPH1348M41C*	T1	230	CFM	1,451	1,404	1,356	1,309	1,262	1,215	1,168	1,121
			Watts	255	264	273	282	291	299	308	317
	T2 / T3	230	CFM	1,809	1,762	1,715	1,667	1,620	1,573	1,526	1,479
			Watts	444	453	462	471	479	488	497	506
	T4 / T5	230	CFM	1,885	1,838	1,790	1,743	1,696	1,649	1,602	1,555
			Watts	484	493	502	510	519	528	537	546
GPH1360M41C*	T1	230	CFM	1,774	1,731	1,688	1,645	1,602	1,559	1,515	1,472
			Watts	444	453	463	473	483	493	503	512
	T2 / T3	230	CFM	1,891	1,848	1,804	1,761	1,718	1,675	1,632	1,589
			Watts	515	525	535	544	554	564	574	584
	T4 / T5	230	CFM	2,105	2,062	2,018	1,975	1,932	1,889	1,846	1,803
			Watts	646	656	666	676	686	696	705	715

NOTES:

- Data shown is Dry Coil. Wet Coil Pressure Drop is approximate. 0.1" H_2O, for 2 row indoor coil; 0.2" H_2O, for 3 row indoor coil; and 0.3" H_2O, for 4 row indoor coil.
- Data shown does not include filter pressure drop, approx. 0.08" H_2O.
- ALL MODELS SHOULD RUN NO LESS THAN 350 CFM / TON.
- Reduce airflow by 2% for 208V operation.

MODEL: GPH1324M41C*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	997	MBh	23.9	24.7	27.1	-	23.3	24.1	26.5	-	22.7	23.6	25.8	-	22.2	23.0	25.2	-	21.1	21.8	23.9	-	19.5	20.2	22.2	-
		S/T	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.90	0.75	0.52	-	0.91	0.76	0.53	-
		Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		KW	1.74	1.78	1.83	-	1.86	1.90	1.96	-	1.97	2.01	2.07	-	2.06	2.11	2.17	-	2.15	2.19	2.26	-	2.21	2.26	2.33	-
		AMPS	7.7	7.9	8.1	-	8.3	8.5	8.7	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-
		HI PR	218	235	248	-	245	263	278	-	278	300	316	-	317	341	360	-	357	384	405	-	394	424	448	-
		LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	887	MBh	23.2	24.0	26.3	-	22.6	23.4	25.7	-	22.1	22.9	25.1	-	21.5	22.3	24.5	-	20.5	21.2	23.2	-	19.0	19.6	21.5	-
		S/T	0.76	0.63	0.44	-	0.78	0.66	0.45	-	0.80	0.67	0.47	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	1.73	1.76	1.81	-	1.85	1.89	1.94	-	1.96	1.99	2.05	-	2.05	2.09	2.15	-	2.13	2.17	2.24	-	2.20	2.24	2.31	-
		AMPS	7.7	7.8	8.1	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-
		HI PR	216	232	245	-	242	261	275	-	276	297	313	-	314	338	357	-	353	380	401	-	390	420	443	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	777	MBh	21.4	22.2	24.3	-	20.9	21.6	23.7	-	20.4	21.1	23.1	-	19.9	20.6	22.6	-	18.9	19.6	21.4	-	17.5	18.1	19.9	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		KW	1.69	1.73	1.77	-	1.81	1.84	1.90	-	1.91	1.95	2.01	-	2.00	2.04	2.10	-	2.08	2.12	2.19	-	2.15	2.19	2.26	-
		AMPS	7.5	7.6	7.9	-	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-
		HI PR	209	225	238	-	235	253	267	-	267	288	304	-	304	328	346	-	343	369	389	-	378	407	430	-
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
75	997	MBh	24.3	25.0	27.0	29.0	23.7	24.4	26.4	28.3	23.1	23.8	25.8	27.7	22.6	23.2	25.1	27.0	21.4	22.1	23.9	25.6	19.9	20.4	22.1	23.7
		S/T	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.96	0.86	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.92	0.70	0.45	1.00	0.93	0.70	0.45
		Delta T	20	19	15	11	20	19	15	11	20	19	15	11	21	19	16	11	20	19	15	11	18	17	14	10
		KW	1.76	1.79	1.84	1.89	1.88	1.91	1.97	2.03	1.99	2.03	2.09	2.15	2.08	2.12	2.19	2.26	2.16	2.21	2.27	2.35	2.23	2.28	2.35	2.42
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		HI PR	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	409	427	398	428	452	472
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	887	MBh	23.5	24.2	26.2	28.2	23.0	23.7	25.6	27.5	22.5	23.1	25.0	26.9	21.9	**22.6**	24.4	26.2	20.8	21.4	23.2	24.9	19.3	19.8	21.5	23.1
		S/T	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	**0.84**	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43
		Delta T	21	19	16	11	21	20	16	11	21	20	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		KW	1.74	1.78	1.83	1.88	1.86	1.90	1.96	2.01	1.97	2.01	2.07	2.13	2.07	**2.11**	2.17	2.24	2.15	2.19	2.26	2.33	2.21	2.26	2.33	2.40
		AMPS	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	**9.8**	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7
		HI PR	218	235	248	259	245	263	278	290	278	300	316	330	317	**341**	360	376	357	384	405	423	394	424	448	467
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166
	777	MBh	21.7	22.4	24.2	26.0	21.2	21.9	23.7	25.4	20.7	21.3	23.1	24.8	20.2	20.8	22.5	24.2	19.2	19.8	21.4	23.0	17.8	18.3	19.8	21.3
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	1.71	1.74	1.79	1.84	1.82	1.86	1.91	1.97	1.93	1.96	2.02	2.08	2.02	2.06	2.12	2.19	2.10	2.14	2.20	2.27	2.16	2.21	2.28	2.35
		AMPS	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.2	9.9	10.1	10.4	10.8	10.4	10.7	11.0	11.4
		HI PR	212	228	240	251	237	256	270	281	270	291	307	320	308	331	350	365	346	372	393	410	382	411	434	453
		LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161

* IDB: Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

MODEL: GPH1324M41C*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

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

* NOTE: Shaded areas are TVA and ARI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW = Total system power

High and low pressures are measured at the liquid and suction access fittings. AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED PERFORMANCE DATA

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1228	MBh	28.5	29.6	32.4	-	27.9	28.9	31.6	-	27.2	28.2	30.9	-	26.5	27.5	30.1	-	25.2	26.1	28.6	-	23.3	24.2	26.5	-
		S/T	0.79	0.66	0.46	-	0.82	0.69	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.90	0.75	0.52	-	0.91	0.76	0.53	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		KW	2.04	2.08	2.14	-	2.19	2.23	2.29	-	2.31	2.36	2.43	-	2.42	2.47	2.55	-	2.52	2.57	2.65	-	2.60	2.65	2.73	-
		AMPS	7.7	7.9	8.1	-	8.3	8.5	8.7	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-
		HI PR	218	235	248	-	245	263	278	-	278	300	316	-	317	341	360	-	357	384	405	-	394	424	448	-
		LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	1093	MBh	27.7	28.7	31.4	-	27.0	28.0	30.7	-	26.4	27.4	30.0	-	25.8	26.7	29.3	-	24.5	25.4	27.8	-	22.7	23.5	25.7	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-
		Delta T	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		KW	2.03	2.07	2.13	-	2.17	2.21	2.28	-	2.29	2.34	2.41	-	2.40	2.45	2.53	-	2.50	2.55	2.63	-	2.58	2.63	2.71	-
		AMPS	7.7	7.8	8.1	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-
		HI PR	216	232	245	-	242	261	275	-	276	297	313	-	314	338	357	-	353	380	401	-	390	420	443	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	958	MBh	25.6	26.5	29.0	-	25.0	25.9	28.3	-	24.4	25.3	27.7	-	23.8	24.6	27.0	-	22.6	23.4	25.6	-	20.9	21.7	23.8	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	1.98	2.02	2.08	-	2.12	2.16	2.23	-	2.24	2.29	2.35	-	2.35	2.40	2.47	-	2.44	2.49	2.57	-	2.52	2.57	2.65	-
		AMPS	7.5	7.6	7.9	-	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-
		HI PR	209	225	238	-	235	253	267	-	267	288	304	-	304	328	346	-	343	369	389	-	378	407	430	-
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
75	1228	MBh	29.0	29.9	32.3	34.7	28.3	29.2	31.6	33.9	27.7	28.5	30.8	33.1	27.0	27.8	30.1	32.3	25.6	26.4	28.6	30.7	23.7	24.4	26.5	28.4
		S/T	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.41	0.96	0.86	0.65	0.42	0.99	0.88	0.67	0.43	1.00	0.92	0.69	0.45	1.00	0.92	0.70	0.45
		Delta T	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	19	18	15	10	18	17	14	10
		KW	2.06	2.10	2.16	2.22	2.20	2.25	2.31	2.38	2.33	2.38	2.45	2.52	2.44	2.49	2.57	2.65	2.54	2.59	2.67	2.75	2.62	2.67	2.76	2.84
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		HI PR	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	409	427	398	428	452	472
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	1093	MBh	28.2	29.0	31.4	33.7	27.5	28.3	30.7	32.9	26.8	27.6	29.9	32.1	26.2	**27.0**	29.2	31.3	24.9	25.6	27.7	29.8	23.1	23.7	25.7	27.6
		S/T	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	**0.84**	0.64	0.41	0.98	0.87	0.66	0.43	0.99	0.88	0.67	0.43
		Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	**19**	16	11	20	19	15	11	19	18	14	10
		KW	2.04	2.08	2.14	2.20	2.19	2.23	2.29	2.36	2.31	2.36	2.43	2.50	2.42	**2.47**	2.55	2.63	2.52	2.57	2.65	2.73	2.60	2.65	2.73	2.82
		AMPS	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	**9.8**	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7
		HI PR	218	235	248	259	245	263	278	290	278	300	316	330	317	**341**	360	376	357	384	405	423	394	424	448	467
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166
	958	MBh	26.0	26.8	29.0	31.1	25.4	26.1	28.3	30.4	24.8	25.5	27.6	29.6	24.2	24.9	26.9	28.9	23.0	23.6	25.6	27.5	21.3	21.9	23.7	25.4
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		Delta T	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	2.00	2.04	2.09	2.16	2.14	2.18	2.24	2.31	2.26	2.30	2.37	2.44	2.37	2.41	2.49	2.56	2.46	2.51	2.59	2.67	2.54	2.59	2.67	2.75
		AMPS	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.2	9.9	10.1	10.4	10.8	10.4	10.7	11.0	11.4
		HI PR	212	228	240	251	237	256	270	281	270	291	307	320	308	331	350	365	346	372	393	410	382	411	434	453
		LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161

* IDB: Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

MODEL: GPH1330M41C*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

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

* NOTE: Shaded areas are TVA and ARI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW = Total system power

High and low pressures are measured at the liquid and suction access fittings. AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED PERFORMANCE DATA

COOLING OPERATION

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

* IDB: Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

MODEL: GPH1336M41C*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1363	MBh	35.4	36.2	38.6	41.3	34.6	35.3	37.8	40.4	33.8	34.5	36.9	39.4	32.9	33.7	36.0	38.4	31.3	32.0	34.2	36.5	29.0	29.6	31.6	33.8
		S/T	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.85	0.64
		Delta T	24	22	19	15	23	22	20	16	23	23	20	16	22	23	20	16	21	22	19	16	20	20	18	15
		KW	2.44	2.49	2.57	2.65	2.63	2.69	2.77	2.87	2.80	2.86	2.96	3.06	2.95	3.01	3.12	3.22	3.08	3.15	3.25	3.36	3.19	3.26	3.37	3.49
		AMPS	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1213	MBh	34.4	35.1	37.5	40.1	33.6	34.3	36.7	39.2	32.8	33.5	35.8	38.2	32.0	32.7	**34.9**	37.3	30.4	31.0	33.2	35.4	28.1	28.8	30.7	32.8
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.98	0.92	0.75	0.56	1.00	0.95	**0.78**	0.58	1.00	0.99	0.80	0.60	1.00	1.00	0.81	0.61
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	24	**21**	16	23	23	20	16	21	22	19	15
		KW	2.42	2.47	2.55	2.63	2.61	2.66	2.75	2.84	2.77	2.84	2.93	3.03	2.92	2.99	**3.09**	3.20	3.05	3.12	3.22	3.34	3.16	3.23	3.34	3.46
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.5	9.9	9.6	9.9	**10.2**	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		HI PR	220	237	250	261	247	266	281	293	281	303	320	333	320	345	**364**	380	360	388	410	427	398	428	452	472
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	**145**	154	131	139	152	162	135	144	157	167
	1063	MBh	31.7	32.4	34.6	37.0	31.0	31.7	33.8	36.2	30.2	30.9	33.0	35.3	29.5	30.2	32.2	34.4	28.0	28.6	30.6	32.7	26.0	26.5	28.4	30.3
		S/T	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.02	0.95	0.78	0.58	1.03	0.96	0.78	0.58
		Delta T	25	23	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
		KW	2.36	2.41	2.48	2.57	2.54	2.60	2.68	2.77	2.70	2.77	2.86	2.95	2.85	2.91	3.01	3.11	2.97	3.04	3.14	3.25	3.08	3.15	3.25	3.37
		AMPS	7.6	7.8	8.0	8.3	8.2	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5
		HI PR	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	376	397	414	386	416	439	458
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162

NOTE: Shaded area reflects ARI rating conditions

85	1363	MBh	36.0	36.7	38.5	41.0	35.2	35.9	37.6	40.1	34.3	35.0	36.7	39.1	33.5	34.2	35.8	38.2	31.8	32.4	34.0	36.3	29.5	30.1	31.5	33.6
		S/T	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.83
		Delta T	24	24	23	20	24	24	23	20	23	24	23	20	23	23	23	20	21	22	23	20	20	20	21	19
		KW	2.46	2.51	2.59	2.68	2.65	2.71	2.80	2.89	2.82	2.88	2.98	3.08	2.97	3.04	3.14	3.25	3.10	3.17	3.28	3.39	3.21	3.29	3.40	3.52
		AMPS	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0
		HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	481
		LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171
	1213	MBh	35.0	35.6	37.3	39.8	34.2	34.8	36.5	38.9	33.3	34.0	35.6	38.0	32.5	33.2	34.7	37.1	30.9	31.5	33.0	35.2	28.6	29.2	30.6	32.6
		S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
		Delta T	26	25	24	21	26	26	24	21	25	26	24	21	25	25	24	21	23	24	24	21	22	22	22	19
		KW	2.44	2.49	2.57	2.65	2.63	2.69	2.77	2.87	2.80	2.86	2.96	3.06	2.95	3.01	3.12	3.22	3.08	3.15	3.25	3.36	3.19	3.26	3.37	3.49
		AMPS	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1063	MBh	32.3	32.9	34.5	36.8	31.5	32.1	33.7	35.9	30.8	31.4	32.9	35.1	30.0	30.6	32.1	34.2	28.5	29.1	30.5	32.5	26.4	26.9	28.2	30.1
		S/T	0.94	0.90	0.82	0.66	0.97	0.94	0.84	0.69	0.99	0.96	0.87	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76
		Delta T	26	26	24	21	26	26	25	21	26	26	25	21	26	26	25	21	25	25	24	21	23	23	23	20
		KW	2.38	2.43	2.51	2.59	2.56	2.62	2.70	2.80	2.73	2.79	2.88	2.98	2.87	2.94	3.04	3.14	3.00	3.06	3.17	3.28	3.10	3.17	3.28	3.40
		AMPS	7.7	7.8	8.1	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6
		HI PR	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	418	390	420	443	462
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164

* NOTE: Shaded areas are TVA and ARI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW = Total system power

High and low pressures are measured at the liquid and suction access fittings. AMPS: Unit amps (comp. + evaporator + condenser fan motors)

EXPANDED PERFORMANCE DATA

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1559	MBh	40.6	42.1	46.1	-	39.6	41.1	45.0	-	38.7	40.1	43.9	-	37.7	39.1	42.9	-	35.9	37.2	40.7	-	33.2	34.4	37.7	-
		S/T	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	2.92	2.97	3.06	-	3.13	3.19	3.29	-	3.32	3.39	3.50	-	3.49	3.56	3.67	-	3.63	3.71	3.82	-	3.75	3.83	3.96	-
		AMPS	7.7	7.9	8.1	-	8.3	8.5	8.7	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-
		HI PR	218	235	248	-	245	263	278	-	278	300	316	-	317	341	360	-	357	384	405	-	394	424	448	-
		LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	1387	MBh	39.4	40.8	44.7	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	36.6	38.0	41.6	-	34.8	36.1	39.5	-	32.2	33.4	36.6	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.49	-
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
		KW	2.89	2.95	3.04	-	3.11	3.17	3.27	-	3.29	3.36	3.47	-	3.46	3.53	3.64	-	3.60	3.68	3.79	-	3.72	3.80	3.92	-
		AMPS	7.7	7.8	8.1	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-
		HI PR	216	232	245	-	242	261	275	-	276	297	313	-	314	338	357	-	353	380	401	-	390	420	443	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	1215	MBh	36.4	37.7	41.3	-	35.5	36.8	40.3	-	34.7	35.9	39.4	-	33.8	35.1	38.4	-	32.1	33.3	36.5	-	29.8	30.9	33.8	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.81	0.68	0.47	-
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	2.83	2.88	2.97	-	3.03	3.10	3.19	-	3.22	3.28	3.38	-	3.38	3.45	3.56	-	3.51	3.59	3.70	-	3.63	3.71	3.83	-
		AMPS	7.5	7.6	7.9	-	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-
		HI PR	209	225	238	-	235	253	267	-	267	288	304	-	304	328	346	-	343	369	389	-	378	407	430	-
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
75	1559	MBh	41.3	42.5	46.0	49.4	40.3	41.5	44.9	48.2	39.3	40.5	43.8	47.1	38.4	39.5	42.8	45.9	36.5	37.5	40.6	43.6	33.8	34.8	37.6	40.4
		S/T	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.85	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.89	0.68	0.44
		Delta T	21	20	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	2.94	3.00	3.09	3.18	3.15	3.22	3.32	3.42	3.35	3.42	3.52	3.64	3.51	3.59	3.70	3.82	3.66	3.74	3.86	3.98	3.78	3.86	3.99	4.12
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		HI PR	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	409	427	398	428	452	472
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	1387	MBh	40.1	41.2	44.6	47.9	39.1	40.3	43.6	46.8	38.2	39.3	42.6	45.7	37.3	**38.4**	41.5	44.6	35.4	36.5	39.5	42.3	32.8	33.8	36.5	39.2
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	**0.81**	0.62	0.40	0.95	0.85	0.64	0.41	0.95	0.85	0.65	0.42
		Delta T	22	20	17	11	22	21	17	12	22	21	17	12	23	**21**	17	12	22	20	17	12	21	19	16	11
		KW	2.92	2.98	3.07	3.16	3.13	3.20	3.29	3.40	3.32	3.39	3.50	3.61	3.49	**3.56**	3.67	3.79	3.63	3.71	3.83	3.95	3.75	3.83	3.96	4.09
		AMPS	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	**9.8**	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7
		HI PR	218	235	248	259	245	263	278	290	278	300	316	330	317	**341**	360	376	357	384	405	423	394	424	448	467
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166
	1215	MBh	37.0	38.1	41.2	44.2	36.1	37.2	40.3	43.2	35.3	36.3	39.3	42.2	34.4	35.4	38.3	41.1	32.7	33.6	36.4	39.1	30.3	31.2	33.7	36.2
		S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.59	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40
		Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11
		KW	2.85	2.91	2.99	3.09	3.06	3.12	3.22	3.32	3.24	3.31	3.41	3.52	3.40	3.48	3.58	3.70	3.54	3.62	3.73	3.85	3.66	3.74	3.86	3.98
		AMPS	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.2	9.9	10.1	10.4	10.8	10.4	10.7	11.0	11.4
		HI PR	212	228	240	251	237	256	270	281	270	291	307	320	308	331	350	365	346	372	393	410	382	411	434	453
		LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161

* IDB: Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

MODEL: GPH1342M41C*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1559	MBh	42.0	42.9	45.9	49.0	41.0	41.9	44.8	47.9	40.0	40.9	43.7	46.7	39.1	39.9	42.7	45.6	37.1	37.9	40.5	43.3	34.4	35.1	37.5	40.1
		S/T	0.95	0.90	0.73	0.54	1.00	0.93	0.76	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	23	24	20	16	22	22	20	16	20	21	19	15
		KW	2.96	3.02	3.11	3.21	3.18	3.25	3.35	3.45	3.37	3.44	3.55	3.67	3.54	3.62	3.73	3.86	3.69	3.77	3.89	4.02	3.81	3.90	4.02	4.15
		AMPS	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1387	MBh	40.8	41.7	44.5	47.6	39.8	40.7	43.5	46.5	38.9	39.7	42.4	45.4	37.9	38.8	**41.4**	44.3	36.0	36.8	39.3	42.1	33.4	34.1	36.4	39.0
		S/T	0.91	0.85	0.70	0.52	0.94	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	**0.76**	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60
		Delta T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	**21**	17	24	24	21	16	22	22	19	15
		KW	2.94	3.00	3.09	3.18	3.16	3.22	3.32	3.42	3.35	3.42	3.52	3.64	3.51	3.59	**3.70**	3.82	3.66	3.74	3.86	3.98	3.78	3.86	3.99	4.12
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.5	9.9	9.6	9.9	**10.2**	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		HI PR	220	237	250	261	247	266	281	293	281	303	320	333	320	345	**364**	380	360	388	410	427	398	428	452	472
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	**145**	154	131	139	152	162	135	144	157	167
	1215	MBh	37.6	38.5	41.1	43.9	36.8	37.6	40.1	42.9	35.9	36.7	39.2	41.9	35.0	35.8	38.2	40.9	33.3	34.0	36.3	38.8	30.8	31.5	33.6	36.0
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.01	0.95	0.77	0.58
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	26	24	21	17	25	24	21	17	23	23	20	16
		KW	2.87	2.93	3.02	3.11	3.08	3.15	3.24	3.34	3.27	3.34	3.44	3.55	3.43	3.50	3.61	3.73	3.57	3.65	3.76	3.88	3.69	3.77	3.89	4.02
		AMPS	7.6	7.8	8.0	8.3	8.2	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5
		HI PR	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	376	397	414	386	416	439	458
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162
			NOTE: Shaded area reflects ARI rating conditions																							
85	1559	MBh	42.7	43.6	45.6	48.7	41.7	42.5	44.6	47.5	40.7	41.5	43.5	46.4	39.8	40.5	42.4	45.3	37.8	38.5	40.3	43.0	35.0	35.7	37.3	39.8
		S/T	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.81	1.00	1.00	1.00	0.81
		Delta T	25	25	23	20	25	25	24	21	24	24	24	21	23	24	24	21	22	23	24	20	21	21	22	19
		KW	2.98	3.04	3.14	3.23	3.20	3.27	3.37	3.48	3.40	3.47	3.58	3.70	3.57	3.65	3.76	3.89	3.72	3.80	3.92	4.05	3.84	3.93	4.06	4.19
		AMPS	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0
		HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	481
		LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171
	1387	MBh	41.5	42.3	44.3	47.3	40.5	41.3	43.3	46.2	39.6	40.3	42.2	45.1	38.6	39.3	41.2	44.0	36.7	37.4	39.1	41.8	34.0	34.6	36.3	38.7
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77
		Delta T	26	26	24	21	27	26	25	21	26	26	25	21	26	26	25	22	24	25	25	21	23	23	23	20
		KW	2.96	3.02	3.11	3.21	3.18	3.25	3.35	3.45	3.37	3.44	3.55	3.67	3.54	3.62	3.73	3.86	3.69	3.77	3.89	4.02	3.81	3.90	4.02	4.15
		AMPS	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1215	MBh	38.3	39.0	40.9	43.6	37.4	38.1	39.9	42.6	36.5	37.2	39.0	41.6	35.6	36.3	38.0	40.6	33.8	34.5	36.1	38.5	31.3	32.0	33.5	35.7
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
		Delta T	27	26	25	21	27	27	25	22	27	27	25	22	27	27	25	22	26	26	25	22	24	24	23	20
		KW	2.89	2.95	3.04	3.13	3.11	3.17	3.27	3.37	3.29	3.36	3.47	3.58	3.46	3.53	3.64	3.76	3.60	3.68	3.79	3.92	3.72	3.80	3.92	4.05
		AMPS	7.7	7.8	8.1	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6
		HI PR	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	418	390	420	443	462
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164

* NOTE: Shaded areas are TVA and ARI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW = Total system power

High and low pressures are measured at the liquid and suction access fittings. AMPS: Unit amps (comp. + evaporator + condenser fan motors)

EXPANDED PERFORMANCE DATA

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1902	MBh	47.5	49.3	54.0	-	46.4	48.1	52.7	-	45.3	47.0	51.5	-	44.2	45.8	50.2	-	42.0	43.5	47.7	-	38.9	40.3	44.2	-
		S/T	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.91	0.76	0.53	-	0.92	0.77	0.53	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	3.21	3.28	3.38	-	3.46	3.53	3.64	-	3.67	3.75	3.87	-	3.86	3.94	4.07	-	4.02	4.11	4.24	-	4.16	4.25	4.39	-
		AMPS	7.7	7.9	8.1	-	8.3	8.5	8.7	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-
		HI PR	218	235	248	-	245	263	278	-	278	300	316	-	317	341	360	-	357	384	405	-	394	424	448	-
		LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	1692	MBh	46.1	47.8	52.4	-	45.1	46.7	51.2	-	44.0	45.6	50.0	-	42.9	44.5	48.7	-	40.8	42.3	46.3	-	37.8	39.1	42.9	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	3.19	3.25	3.35	-	3.43	3.50	3.61	-	3.64	3.72	3.84	-	3.83	3.91	4.04	-	3.99	4.07	4.21	-	4.12	4.21	4.35	-
		AMPS	7.7	7.8	8.1	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-
		HI PR	216	232	245	-	242	261	275	-	276	297	313	-	314	338	357	-	353	380	401	-	390	420	443	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	1483	MBh	42.6	44.1	48.4	-	41.6	43.1	47.2	-	40.6	42.1	46.1	-	39.6	41.1	45.0	-	37.6	39.0	42.7	-	34.9	36.1	39.6	-
		S/T	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.71	0.49	-
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		KW	3.11	3.18	3.28	-	3.35	3.42	3.52	-	3.55	3.63	3.74	-	3.73	3.81	3.94	-	3.89	3.97	4.10	-	4.02	4.11	4.24	-
		AMPS	7.5	7.6	7.9	-	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-
		HI PR	209	225	238	-	235	253	267	-	267	288	304	-	304	328	346	-	343	369	389	-	378	407	430	-
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
75	1902	MBh	48.3	49.8	53.9	57.8	47.2	48.6	52.6	56.5	46.1	47.4	51.3	55.1	45.0	46.3	50.1	53.8	42.7	44.0	47.6	51.1	39.6	40.7	44.1	47.3
		S/T	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.86	0.65	0.42	1.00	0.89	0.68	0.43	1.00	0.93	0.70	0.45	1.00	0.93	0.71	0.45
		Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	19	18	15	10
		KW	3.24	3.31	3.41	3.52	3.48	3.56	3.67	3.79	3.70	3.78	3.90	4.03	3.89	3.98	4.10	4.24	4.05	4.14	4.28	4.42	4.19	4.29	4.43	4.58
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		HI PR	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	409	427	398	428	452	472
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	1692	MBh	46.9	48.3	52.3	56.1	45.8	47.2	51.1	54.8	44.7	46.1	49.9	53.5	43.6	**44.9**	48.6	52.2	41.5	42.7	46.2	49.6	38.4	39.5	42.8	45.9
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	**0.85**	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		Delta T	22	20	17	12	22	21	17	12	22	21	17	12	23	**21**	17	12	22	20	17	12	21	19	16	11
		KW	3.21	3.28	3.38	3.49	3.46	3.53	3.64	3.76	3.67	3.75	3.87	4.00	3.86	**3.94**	4.07	4.21	4.02	4.11	4.24	4.38	4.16	4.25	4.39	4.54
		AMPS	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	**9.8**	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7
		HI PR	218	235	248	259	245	263	278	290	278	300	316	330	317	**341**	360	376	357	384	405	423	394	424	448	467
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166
	1483	MBh	43.3	44.6	48.3	51.8	42.3	43.5	47.1	50.6	41.3	42.5	46.0	49.4	40.3	41.5	44.9	48.2	38.3	39.4	42.6	45.8	35.4	36.5	39.5	42.4
		S/T	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11
		KW	3.14	3.20	3.30	3.41	3.37	3.44	3.55	3.67	3.58	3.66	3.77	3.90	3.76	3.85	3.97	4.10	3.92	4.01	4.14	4.27	4.06	4.14	4.28	4.42
		AMPS	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.2	9.9	10.1	10.4	10.8	10.4	10.7	11.0	11.4
		HI PR	212	228	240	251	237	256	270	281	270	291	307	320	308	331	350	365	346	372	393	410	382	411	434	453
		LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161

* IDB: Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

MODEL: GPH1342M41C*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1902	MBh	49.2	50.3	53.7	57.4	48.0	49.1	52.4	56.1	46.9	47.9	51.2	54.7	45.8	46.8	49.9	53.4	43.5	44.4	47.4	50.7	40.3	41.1	44.0	47.0
		S/T	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.62	1.00	1.00	0.87	0.65	1.00	1.00	0.87	0.65
		Delta T	24	23	20	16	23	23	20	16	23	23	20	16	22	23	20	16	21	21	20	16	19	20	19	15
		KW	3.26	3.33	3.44	3.54	3.51	3.59	3.70	3.82	3.73	3.81	3.93	4.06	3.92	4.01	4.14	4.28	4.09	4.18	4.31	4.46	4.23	4.32	4.46	4.62
		AMPS	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1692	MBh	47.8	48.8	52.1	55.7	46.6	47.7	50.9	54.4	45.5	46.5	49.7	53.1	44.4	45.4	**48.5**	51.8	42.2	43.1	46.1	49.2	39.1	39.9	42.7	45.6
		S/T	0.95	0.89	0.73	0.54	0.99	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	**0.80**	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		Delta T	25	24	21	16	25	24	21	17	25	24	21	17	24	24	**21**	17	23	23	21	17	21	22	19	15
		KW	3.24	3.31	3.41	3.52	3.48	3.56	3.67	3.79	3.70	3.78	3.90	4.03	3.89	3.98	**4.11**	4.24	4.05	4.14	4.28	4.42	4.19	4.29	4.43	4.58
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.5	9.9	9.6	9.9	**10.2**	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		HI PR	220	237	250	261	247	266	281	293	281	303	320	333	320	345	**364**	380	360	388	410	427	398	428	452	472
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	**145**	154	131	139	152	162	135	144	157	167
	1483	MBh	44.1	45.0	48.1	51.4	43.0	44.0	47.0	50.2	42.0	42.9	45.9	49.0	41.0	41.9	44.8	47.8	38.9	39.8	42.5	45.5	36.1	36.9	39.4	42.1
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.97	0.91	0.74	0.56	1.01	0.94	0.77	0.57	1.04	0.98	0.80	0.60	1.05	0.99	0.80	0.60
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	26	25	21	17	25	24	21	17	24	23	20	16
		KW	3.16	3.23	3.33	3.43	3.40	3.47	3.58	3.70	3.61	3.69	3.81	3.93	3.80	3.88	4.00	4.13	3.95	4.04	4.17	4.31	4.09	4.18	4.32	4.46
		AMPS	7.6	7.8	8.0	8.3	8.2	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5
		HI PR	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	376	397	414	386	416	439	458
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162
			NOTE: Shaded area reflects ARI rating conditions																							
85	1902	MBh	50.0	51.0	53.4	57.0	48.9	49.8	52.2	55.7	47.7	48.6	50.9	54.3	46.6	47.5	49.7	53.0	44.2	45.1	47.2	50.4	41.0	41.8	43.7	46.7
		S/T	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.97	0.79	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.84	1.00	1.00	1.00	0.85
		Delta T	24	25	24	20	24	24	24	21	23	24	24	21	23	23	24	21	21	22	23	20	20	20	21	19
		KW	3.29	3.36	3.46	3.57	3.54	3.62	3.73	3.85	3.76	3.84	3.97	4.10	3.96	4.04	4.17	4.31	4.12	4.21	4.35	4.50	4.26	4.36	4.50	4.65
		AMPS	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0
		HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	481
		LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171
	1692	MBh	48.6	49.5	51.9	55.3	47.5	48.4	50.7	54.0	46.3	47.2	49.5	52.8	45.2	46.1	48.2	51.5	42.9	43.8	45.8	48.9	39.8	40.5	42.5	45.3
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		Delta T	26	26	24	21	26	26	25	21	25	26	25	21	25	25	25	22	23	24	25	21	22	22	23	20
		KW	3.26	3.33	3.44	3.54	3.51	3.59	3.70	3.82	3.73	3.81	3.93	4.06	3.92	4.01	4.14	4.28	4.09	4.18	4.31	4.46	4.23	4.32	4.46	4.62
		AMPS	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1483	MBh	44.8	45.7	47.9	51.1	43.8	44.6	46.8	49.9	42.8	43.6	45.6	48.7	41.7	42.5	44.5	47.5	39.6	40.4	42.3	45.1	36.7	37.4	39.2	41.8
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	27	26	25	22	27	27	25	22	27	27	25	22	26	26	25	22	25	25	25	22	23	23	23	20
		KW	3.19	3.25	3.35	3.46	3.43	3.50	3.61	3.73	3.64	3.72	3.84	3.96	3.83	3.91	4.04	4.17	3.99	4.07	4.21	4.35	4.12	4.21	4.35	4.50
		AMPS	7.7	7.8	8.1	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6
		HI PR	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	418	390	420	443	462
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164

* NOTE: Shaded areas are TVA and ARI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW = Total system power

High and low pressures are measured at the liquid and suction access fittings. AMPS: Unit amps (comp. + evaporator + condenser fan motors)

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2000	MBh	55.1	57.1	62.6	-	53.8	55.8	61.1	-	52.5	54.5	59.7	-	51.3	53.1	58.2	-	48.7	50.5	55.3	-	45.1	46.8	51.2	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
		KW	3.94	4.02	4.15	-	4.25	4.34	4.48	-	4.52	4.62	4.77	-	4.76	4.87	5.03	-	4.97	5.08	5.25	-	5.14	5.26	5.44	-
		AMPS	7.7	7.9	8.1	-	8.3	8.5	8.7	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-
		HI PR	218	235	248	-	245	263	278	-	278	300	316	-	317	341	360	-	357	384	405	-	394	424	448	-
		LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	1775	MBh	53.5	55.5	60.8	-	52.3	54.2	59.3	-	51.0	52.9	57.9	-	49.8	51.6	56.5	-	47.3	49.0	53.7	-	43.8	45.4	49.7	-
		S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.83	0.69	0.48	-
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		KW	3.90	3.99	4.12	-	4.21	4.30	4.44	-	4.48	4.58	4.73	-	4.72	4.83	4.99	-	4.92	5.04	5.21	-	5.10	5.22	5.39	-
		AMPS	7.7	7.8	8.1	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-
		HI PR	216	232	245	-	242	261	275	-	276	297	313	-	314	338	357	-	353	380	401	-	390	420	443	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	1550	MBh	49.4	51.2	56.1	-	48.2	50.0	54.8	-	47.1	48.8	53.5	-	45.9	47.6	52.2	-	43.6	45.2	49.6	-	40.4	41.9	45.9	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-
		Delta T	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	20	18	13	-	19	17	13	-
		KW	3.81	3.89	4.02	-	4.11	4.20	4.33	-	4.37	4.47	4.61	-	4.60	4.70	4.86	-	4.80	4.91	5.07	-	4.97	5.08	5.25	-
		AMPS	7.5	7.6	7.9	-	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-
		HI PR	209	225	238	-	235	253	267	-	267	288	304	-	304	328	346	-	343	369	389	-	378	407	430	-
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
75	2000	MBh	56.0	57.7	62.5	67.0	54.7	56.4	61.0	65.5	53.4	55.0	59.5	63.9	52.1	53.7	58.1	62.4	49.5	51.0	55.2	59.2	45.9	47.2	51.1	54.9
		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	0.98	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		Delta T	22	20	17	11	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11
		KW	3.97	4.05	4.19	4.32	4.28	4.38	4.52	4.67	4.56	4.66	4.81	4.98	4.80	4.91	5.07	5.25	5.01	5.12	5.30	5.48	5.19	5.31	5.49	5.68
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.0	9.3	9.5	9.9	9.6	9.9	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		HI PR	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	409	427	398	428	452	472
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	1775	MBh	54.4	56.0	60.6	65.1	53.1	54.7	59.2	63.6	51.9	53.4	57.8	62.0	50.6	**52.1**	56.4	60.5	48.1	49.5	53.6	57.5	44.5	45.9	49.6	53.3
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	**0.80**	0.61	0.39	0.93	0.83	0.63	0.41	0.94	0.84	0.64	0.41
		Delta T	23	21	17	12	23	21	18	12	23	21	18	12	23	**22**	18	12	23	21	17	12	22	20	16	11
		KW	3.94	4.02	4.15	4.29	4.25	4.34	4.48	4.63	4.52	4.62	4.77	4.94	4.76	**4.87**	5.03	5.20	4.97	5.08	5.25	5.43	5.14	5.26	5.44	5.63
		AMPS	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	**9.8**	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7
		HI PR	218	235	248	259	245	263	278	290	278	300	316	330	317	**341**	360	376	357	384	405	423	394	424	448	467
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166
	1550	MBh	50.2	51.7	56.0	60.1	49.1	50.5	54.7	58.7	47.9	49.3	53.4	57.3	46.7	48.1	52.1	55.9	44.4	45.7	49.5	53.1	41.1	42.3	45.8	49.2
		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	0.59	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		Delta T	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11
		KW	3.84	3.92	4.05	4.18	4.14	4.23	4.37	4.51	4.41	4.50	4.65	4.81	4.64	4.74	4.90	5.07	4.84	4.95	5.12	5.29	5.01	5.13	5.30	5.48
		AMPS	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.2	9.9	10.1	10.4	10.8	10.4	10.7	11.0	11.4
		HI PR	212	228	240	251	237	256	270	281	270	291	307	320	308	331	350	365	346	372	393	410	382	411	434	453
		LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161

* IDB: Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

MODEL: GPH1360M41C*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	2000	MBh	57.0	58.3	62.3	66.6	55.7	56.9	60.8	65.0	54.4	55.6	59.4	63.5	53.1	54.2	57.9	61.9	50.4	51.5	55.0	58.8	46.7	47.7	51.0	54.5
		S/T	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62
		Delta T	25	24	21	16	26	24	21	17	25	24	21	17	24	24	21	17	23	24	21	17	21	22	19	15
		KW	4.00	4.09	4.22	4.36	4.32	4.41	4.56	4.71	4.60	4.70	4.86	5.02	4.84	4.95	5.12	5.29	5.05	5.17	5.34	5.53	5.23	5.35	5.53	5.73
		AMPS	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1775	MBh	55.4	56.6	60.5	64.6	54.1	55.3	59.0	63.1	52.8	54.0	57.6	61.6	51.5	52.6	**56.2**	60.1	48.9	50.0	53.4	57.1	45.3	46.3	49.5	52.9
		S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	**0.75**	0.56	1.00	0.96	0.78	0.58	1.00	0.97	0.79	0.59
		Delta T	26	25	21	17	26	25	22	17	26	25	22	17	26	25	**22**	17	25	25	22	17	23	23	20	16
		KW	3.97	4.05	4.19	4.32	4.28	4.38	4.52	4.67	4.56	4.66	4.81	4.98	4.80	4.91	**5.08**	5.25	5.01	5.12	5.30	5.48	5.19	5.31	5.49	5.68
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.5	9.9	9.6	9.9	**10.2**	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.8
		HI PR	220	237	250	261	247	266	281	293	281	303	320	333	320	345	**364**	380	360	388	410	427	398	428	452	472
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	**145**	154	131	139	152	162	135	144	157	167
	1550	MBh	51.1	52.2	55.8	59.6	49.9	51.0	54.5	58.3	48.7	49.8	53.2	56.9	47.5	48.6	51.9	55.5	45.2	46.2	49.3	52.7	41.8	42.8	45.7	48.8
		S/T	0.86	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.57
		Delta T	26	25	22	17	27	25	22	18	27	25	22	18	27	26	22	18	26	25	22	18	25	24	21	16
		KW	3.87	3.96	4.08	4.22	4.17	4.27	4.41	4.55	4.44	4.54	4.69	4.85	4.68	4.78	4.94	5.11	4.88	4.99	5.16	5.34	5.05	5.17	5.34	5.53
		AMPS	7.6	7.8	8.0	8.3	8.2	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5
		HI PR	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	376	397	414	386	416	439	458
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162
			NOTE: Shaded area reflects ARI rating conditions																							
85	2000	MBh	58.0	59.2	62.0	66.1	56.7	57.8	60.5	64.6	55.3	56.4	59.1	63.0	54.0	55.0	57.6	61.5	51.3	52.3	54.8	58.4	47.5	48.4	50.7	54.1
		S/T	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.99	0.80
		Delta T	26	26	24	21	26	26	25	21	25	26	25	21	25	25	25	22	24	24	25	21	22	22	23	20
		KW	4.03	4.12	4.25	4.40	4.35	4.45	4.60	4.75	4.63	4.74	4.90	5.06	4.88	4.99	5.16	5.34	5.09	5.21	5.39	5.57	5.28	5.40	5.58	5.78
		AMPS	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0
		HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	462	481
		LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171
	1775	MBh	56.3	57.4	60.2	64.2	55.0	56.1	58.8	62.7	53.7	54.8	57.4	61.2	52.4	53.4	56.0	59.7	49.8	50.8	53.2	56.7	46.1	47.0	49.2	52.5
		S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		Delta T	27	27	25	22	28	27	26	22	28	27	26	22	27	28	26	23	26	26	26	22	24	24	24	21
		KW	4.00	4.09	4.22	4.36	4.32	4.41	4.56	4.71	4.60	4.70	4.86	5.02	4.84	4.95	5.12	5.29	5.05	5.17	5.34	5.53	5.23	5.35	5.53	5.73
		AMPS	7.9	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	383	364	392	414	431	402	433	457	477
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1550	MBh	52.0	53.0	55.5	59.2	50.8	51.8	54.2	57.9	49.6	50.5	52.9	56.5	48.4	49.3	51.6	55.1	46.0	46.8	49.1	52.3	42.6	43.4	45.4	48.5
		S/T	0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.73
		Delta T	28	27	26	22	28	28	26	23	28	28	26	23	29	28	27	23	27	28	26	23	25	26	24	21
		KW	3.90	3.99	4.12	4.25	4.21	4.30	4.44	4.59	4.48	4.58	4.73	4.89	4.72	4.83	4.99	5.16	4.92	5.03	5.20	5.38	5.10	5.21	5.39	5.58
		AMPS	7.7	7.8	8.1	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6
		HI PR	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	418	390	420	443	462
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164

* NOTE: Shaded areas are TVA and ARI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW = Total system power

High and low pressures are measured at the liquid and suction access fittings. AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

HEATING PERFORMANCE DATA GPH13[24-48]M41C*

EXPANDED PERFORMANCE DATA

MODEL: GPH11324M41 **HEATING OPERATION**

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

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

MODEL: GPH1330M41 **HEATING OPERATION**

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

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

MODEL: GPH1336M41 **HEATING OPERATION**

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

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

MODEL: GPH1342M41 **HEATING OPERATION**

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

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

MODEL: GPH1348M41 **HEATING OPERATION**

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

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

HEATING PERFORMANCE DATA GPH1360M41C*

EXPANDED PERFORMANCE DATA

MODEL: GPH1360M41 **HEATING OPERATION**

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

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

PERFORMANCE TEST

All data based upon listed indoor dry bulb temperature. .00 inches external static pressure on coil of outdoor section. Indoor air cubic feet per minute (CFM) as listed in the Performance Data Sheets:

If conditions vary from this, results will change as follows:

1. As indoor dry bulb temperatures increase, a slight increase will occur in indoor air temperature drop (Delta T). Low and high side pressures and power will not change.
2. As indoor CFM decreases, a slight increase will occur in indoor temperature drop (Delta T). A slight decrease will occur in low and high side pressures and power.

A properly operating unit should be within plus or minus **3 degrees** of the typical (**Delta T**) value shown.

A properly operating unit should be within plus or minus **7 PSIG** of the **HI PR** shown.

A properly operating unit should be within plus or minus **3 PSIG** of the **LO PR** shown.

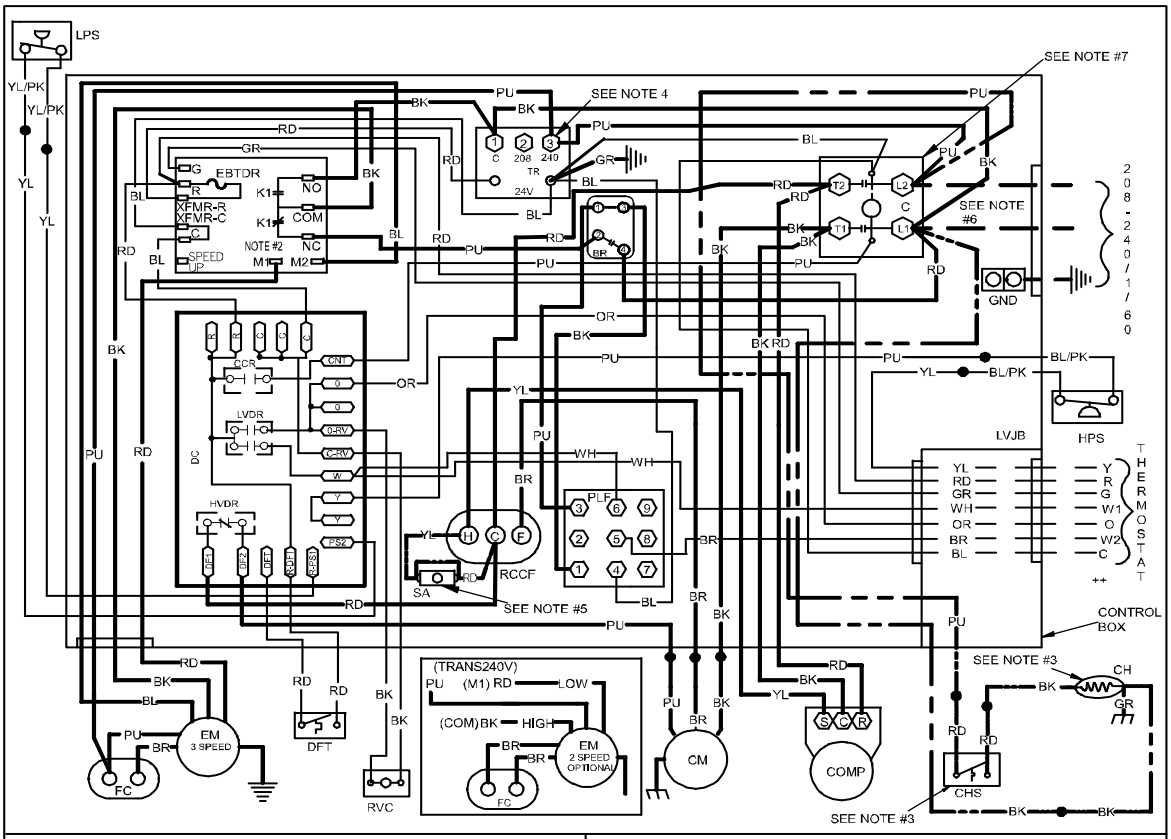
A properly operating unit should be within plus or minus **3 Amps** of the typical value shown.

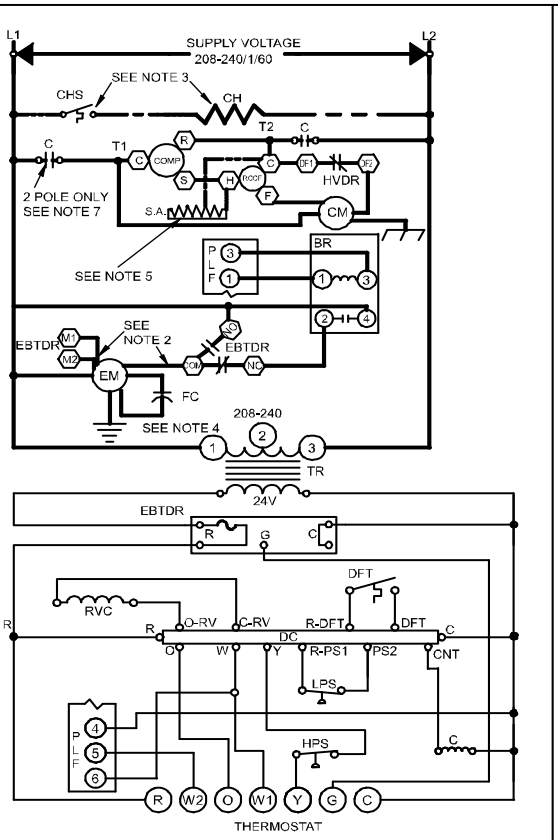
WIRING DIAGRAMS

GPH13[24-30,42]M41C*

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.





COMPONENT LEGEND

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

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

FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

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

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTOR SPEED REPLACE LEAD ON EBTDR "COM" WITH LEAD ON EBTDR "M1" OR "M2".
3. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
4. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TERMINAL 2 ON TRANSFORMER.
5. START ASSIST FACTORY EQUIPPED WHEN REQUIRED.
6. USE COPPER CONDUCTORS ONLY ++ USE N.E.C. CLASS 2 WIRE.
7. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.

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

0140G02399-A

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

WIRING DIAGRAMS

GPH13[36,48-60]M41C*

WARNING

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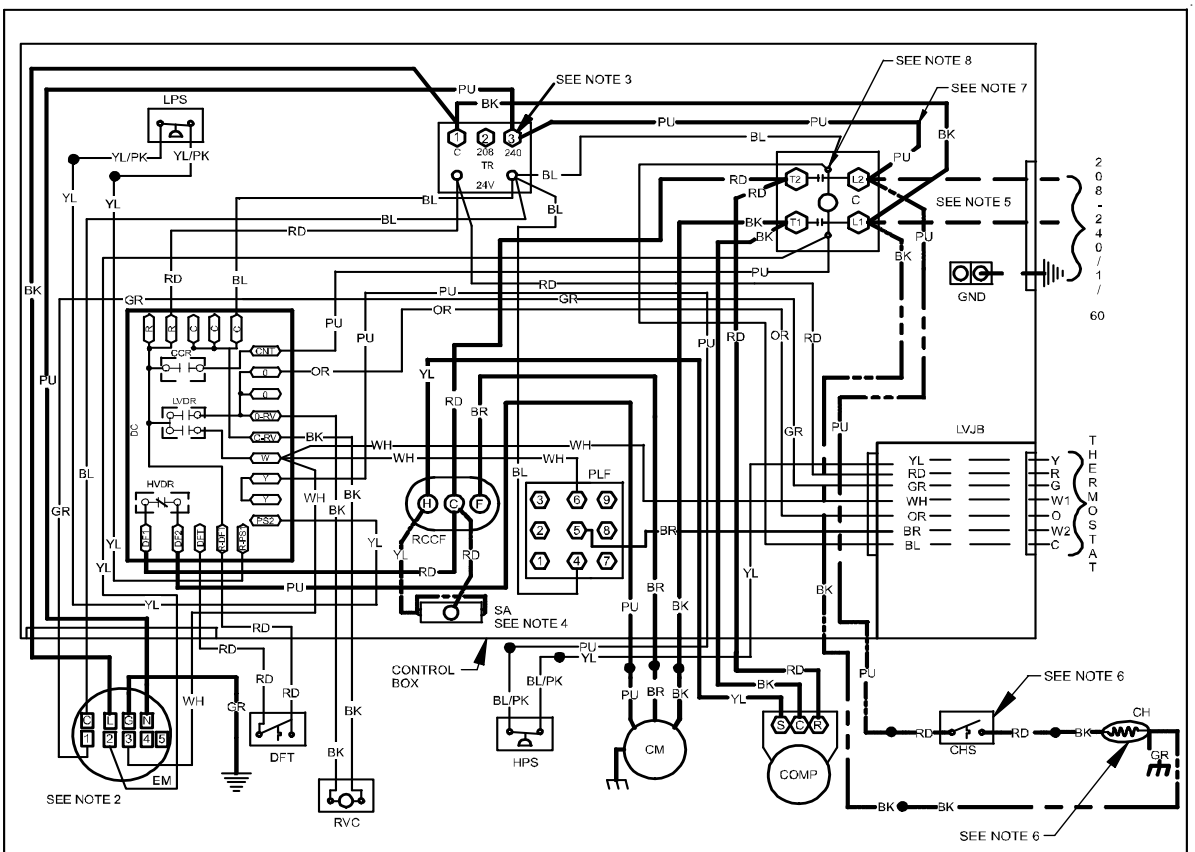

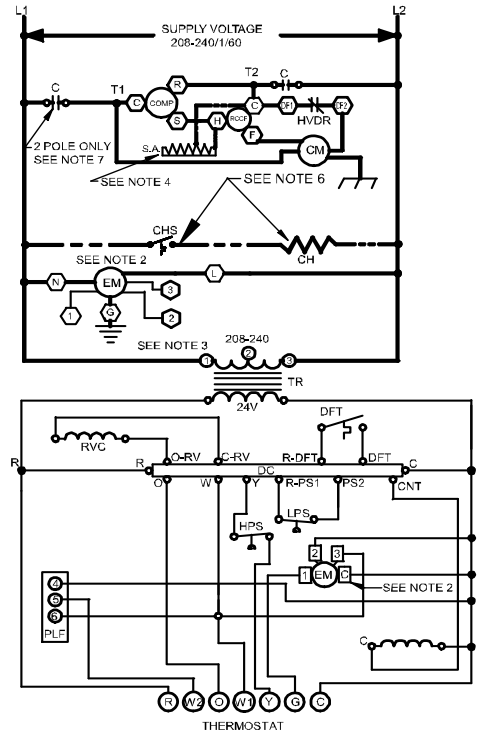

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FACTORY WIRING

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FIELD WIRING

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WIRE CODE

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

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTOR SPEED MOVE WHITE ANDYELLOW LEADS FROM EM"2" AND "3" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
3. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
4. START ASSIST FACTORY EQUIPPED WHEN REQUIRED
5. USE COPPER CONDUCTORS ONLY
++ USE N.E.C. CLASS 2 WIRE
6. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
7. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
8. COMMON SIDE OF CONTACTOR CAN NOT BE GROUNDED OR CONNECTED TO ANY OTHER COMMON (24V).

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

0140G01640-B

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