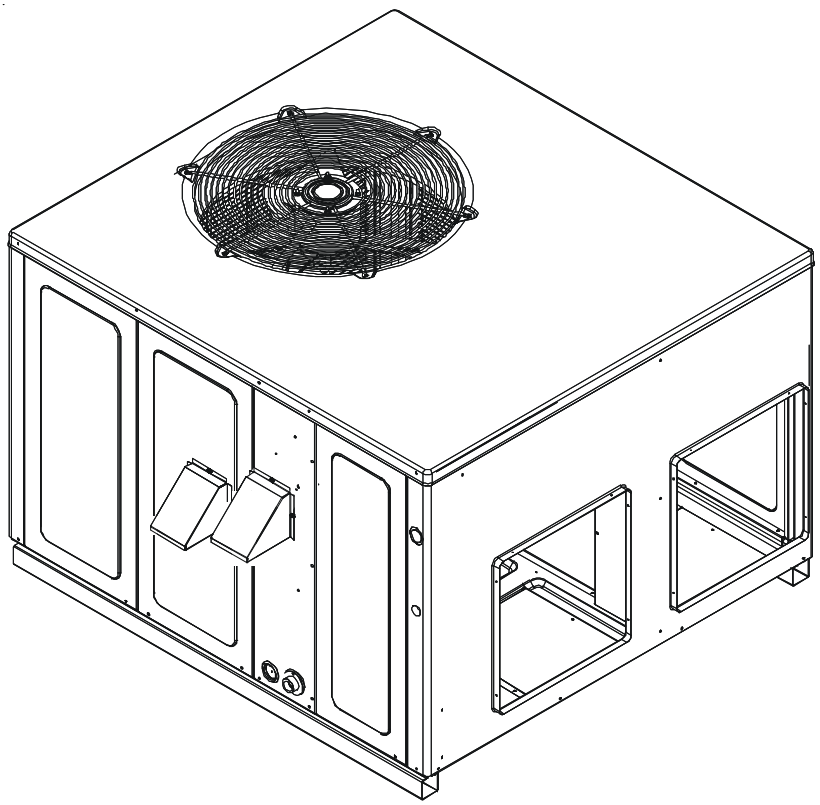
TECHNICAL MANUAL

*PG13
R410A Single Phase
Package Gas Units

- Refer to Service Manual RS6300007 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.

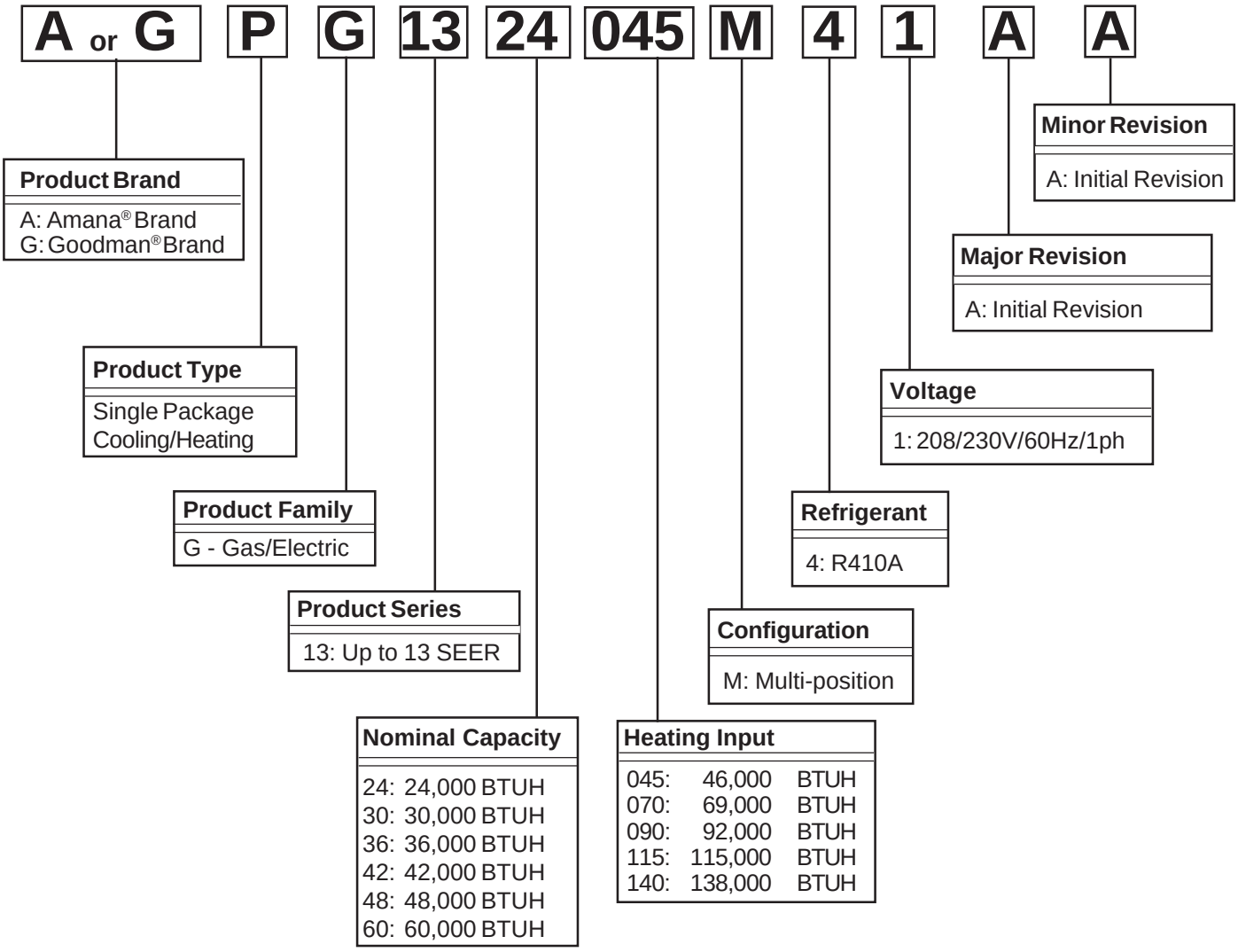


This manual is to be used by qualified, professionally trained HVAC technicians only. Goodman does not assume any responsibility for property damage or personal injury due to improper service procedures or services performed by an unqualified person.

RT6312004r1
March 2010

PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number 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 **ONLY individuals meeting (at a minimum) the requirements of an "Entry Level Technician" as specified by the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) may use this information. Attempting to install or repair this unit without such background may result in product damage, personal injury, or death.**

PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number when requesting service or parts information.

APG1324045M41AA	GPG1324045M41AA
APG1324070M41AA	GPG1324070M41AA
APG1330045M41AA	GPG1330045M41AA
APG1330070M41AA	GPG1330070M41AA
APG1336045M41AA	GPG1336045M41AA
APG1336070M41AA	GPG1336070M41AA
APG1336090M41AA	GPG1336090M41AA
APG1342070M41AA	GPG1342070M41AA
APG1342090M41AA	GPG1342090M41AA
APG1348070M41AA	GPG1348070M41AA
APG1348090M41AA	GPG1348090M41AA
APG1348115M41AA	GPG1348115M41AA
APG1360090M41AA	GPG1360090M41AA
APG1360115M41AA	GPG1360115M41AA
APG1360140M41AA	GPG1360140M41AA
APG1324045M41AB	GPG1324045M41AB
APG1324070M41AB	GPG1324070M41AB
APG1330045M41AB	GPG1330045M41AB
APG1330070M41AB	GPG1330070M41AB
APG1336045M41AB	GPG1336045M41AB
APG1336070M41AB	GPG1336070M41AB
APG1336090M41AB	GPG1336090M41AB
APG1342070M41AB	GPG1342070M41AB
APG1342090M41AB	GPG1342090M41AB
APG1348070M41AB	GPG1348070M41AB
APG1348090M41AB	GPG1348090M41AB
APG1348115M41AB	GPG1348115M41AB
APG1360090M41AB	GPG1360090M41AB
APG1360115M41AB	GPG1360115M41AB
APG1360140M41AB	GPG1360140M41AB

⚠ 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

*PG13 Package Gas Units are designed for outdoor installations only in either residential or light commercial applications and are available in 2 through 5 ton sizes. They are designed for 208/230 volt single phase applications. *(*PG13 3, 4 and 5 ton models are also available for 230V 3 phase applications. See Technical Manual RT6312005*.)*

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.

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. (Do not reduce the drain line size).
NOTE: Tighten drain to a maximum torque of 10 in-lbs

Refrigerant flow control is achieved by use of restrictor orifices. *PG13 units use the FasTest Access Fitting System which consists of 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. **NOTE: The core must not be removed 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 capacitors (PSC) design compressors. Starting components are therefore not required. A low MFD run capacitor assists the compressor to start and remains in the circuit during operation.

The outdoor fan and indoor blower motors are single phase permanent split capacitor type motors. *PG1348***M41** and *PG1360***M41** models are equipped with X-13 indoor blower motors. X-13 motors are constant torque motors with very low power consumption and are energized by a 24V signal from the ignition control. The X-13 features an integrated control module.

Air for condensing (cooling 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.

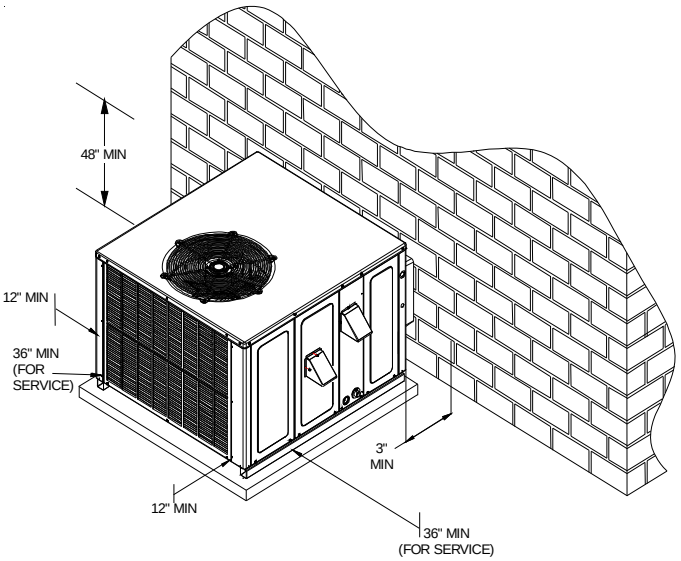
Conditioned air is drawn through the filter(s), field installed, across the coil and back into the conditioned space by the indoor blower.

Some models of the *PG13 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 floodback or flooded start conditions may wash oil from the bearing surfaces causing premature bearing failure.
- These Scroll compressors use white oil which is compatible with 3GS. 3GS oil may 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

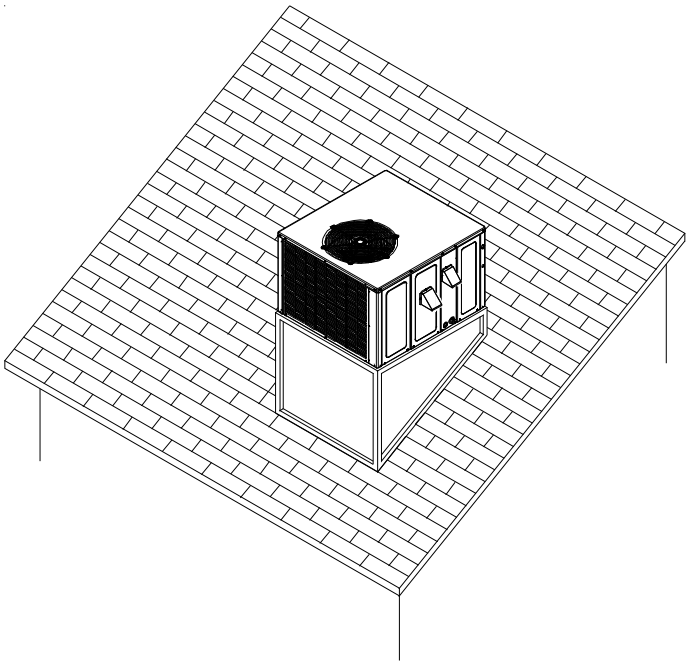
NOTE: To ensure proper condensate drainage, unit must be installed in a level position.



Outside Slab Installation

NOTE: Roof overhang should be no more than 36" and provision made to deflect the warm discharge air out from the overhand. Minimum clearances are required to avoid air recirculation and keep the unit operating at peak efficiency.

PRODUCT DESIGN



Rooftop Installation

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

⚠ 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.

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

PRODUCT DESIGN

High Altitude Derate - U.S. Installations Only (Optional)
High Altitude Derate is not required for proper operation. The gas/electric units naturally derate with altitude. High Altitude Derate kit may be installed if desired.

IMPORTANT NOTE: The gas/electric units naturally derate with altitude. Do not attempt to increase the firing rate by changing orifices or increasing the manifold pressure. This can cause poor combustion and equipment failure. At all altitudes, the manifold pressure must be within 0.3 inches W.C. of that listed on the nameplate for the fuel used. At all altitudes and with either fuel, the air temperature rise must be within the range listed on the unit nameplate. Refer to the Installation Manual provided with the LP kit for conversion from natural gas to propane gas and for altitude adjustments.

When this package unit is installed at high altitude, the appropriate High Altitude orifice kit may be installed. As altitude increases, there is a natural reduction in the density of both the gas fuel and combustion air. This kit will provide the proper design certified input rate within the specified altitude range. High altitude kits are not approved for use in Canada. For installations above 2,000 feet, use kit HA-02. The HA-02 kit is used for both Natural and LP gas at high altitudes.

Use *LPT-03 propane conversion kit for propane conversions at altitudes below 2000 feet. Natural gas installations below 2000 feet do not require a kit.

For propane conversion above 2000 feet, high altitude kit HA-02 is required in addition to the *LPT-03 propane conversion kit.

**LPT-00A may be used on models with AA revisions.*

NATURAL GAS AND LP GAS INSTALLATIONS AT ALTITUDES > 2000 FT

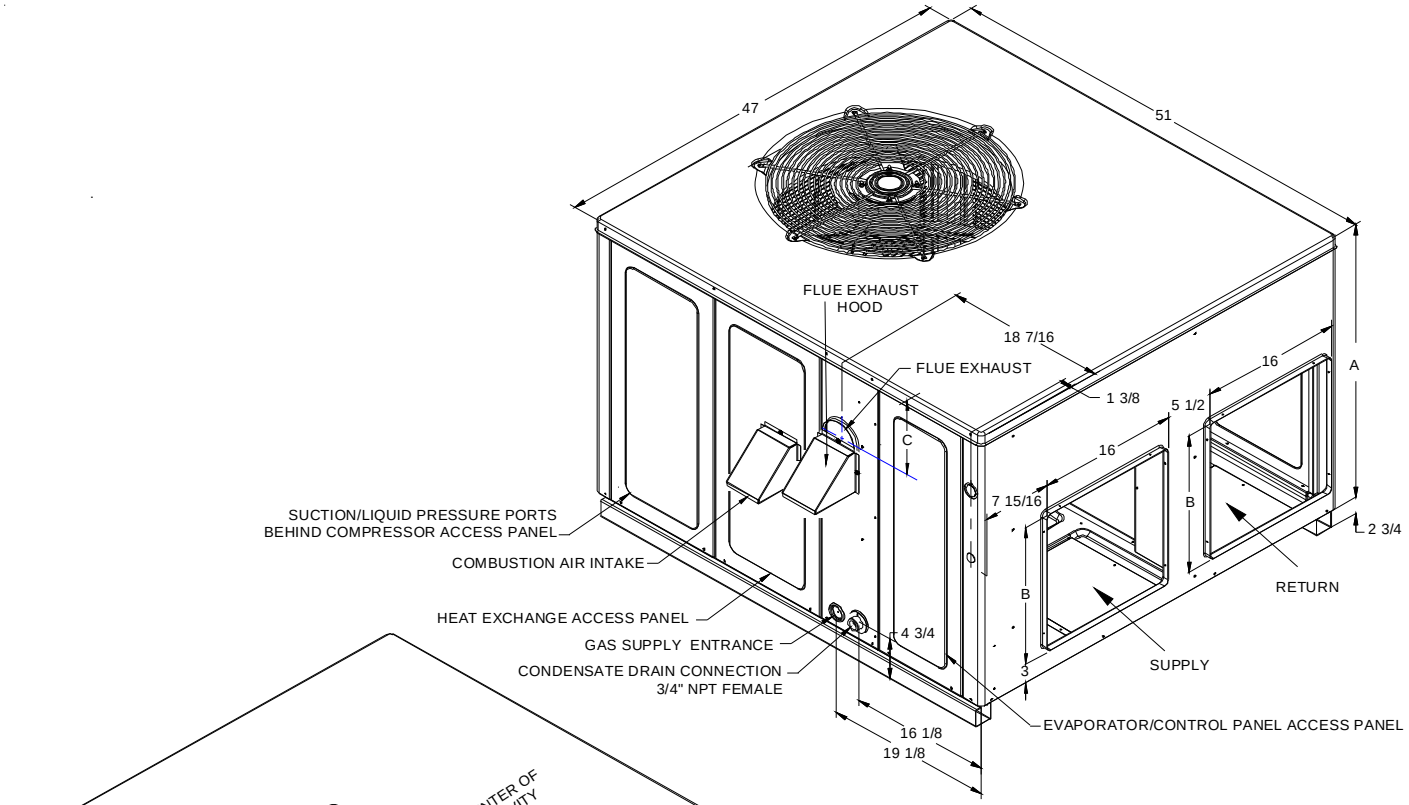
INPUT/BURNER	HIGH ALTITUDE KIT	20,000 BTUH NAT/20,000 BTUH/L.P.							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	3000	4000	4500	5000	6000	7000	8000
U.S. BURNER ORIFICE	HA-02	45/55	47/55	47/56	-	47/56	48/57	48/58	49/58
CANADA BURNER ORIFICE		45/55	-	-	48/57	-	-	-	-

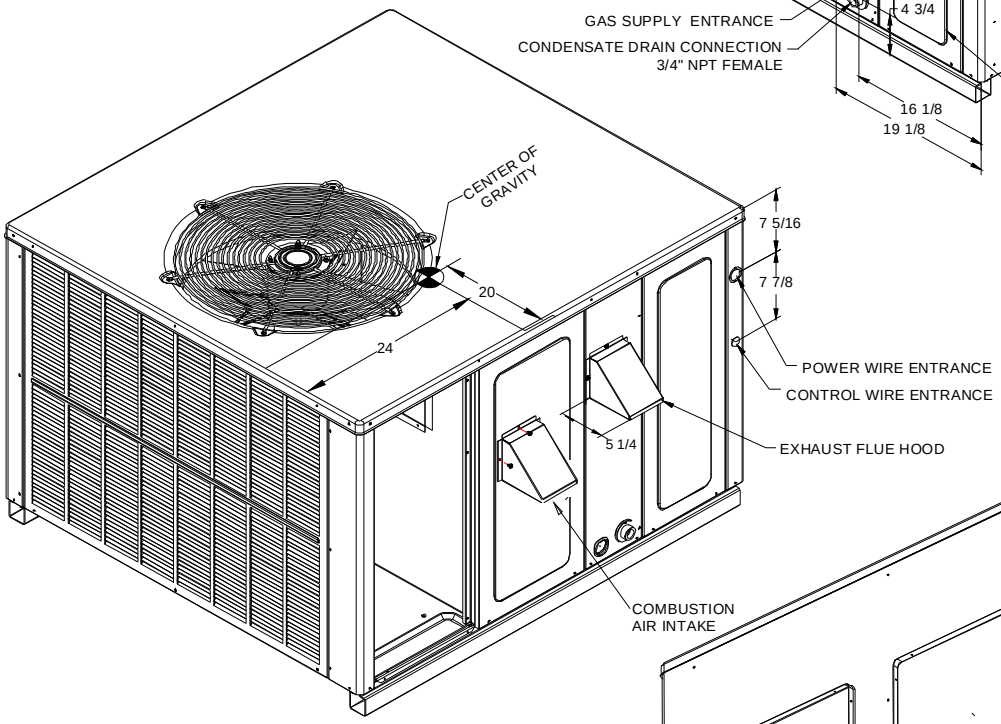
INPUT/BURNER	HIGH ALTITUDE KIT	22,500 BTUH NAT/20,000 BTUH/L.P.							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	3000	4000	4500	5000	6000	7000	8000
U.S. BURNER ORIFICE	HA-02	44/55	44/55	45/56	-	45/56	46/57	47/58	47/58
CANADA BURNER ORIFICE		44/55	-	-	47/57	-	-	-	-

INPUT/BURNER	HIGH ALTITUDE KIT	25,000 BTUH NAT/20,000 BTUH/L.P.							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	3000	4000	4500	5000	6000	7000	8000
U.S. BURNER ORIFICE	HA-02	43/55	43/55	44/56	-	44/56	44/56	45/57	45/57
CANADA BURNER ORIFICE		43/55	-	-	46/57	-	-	-	-

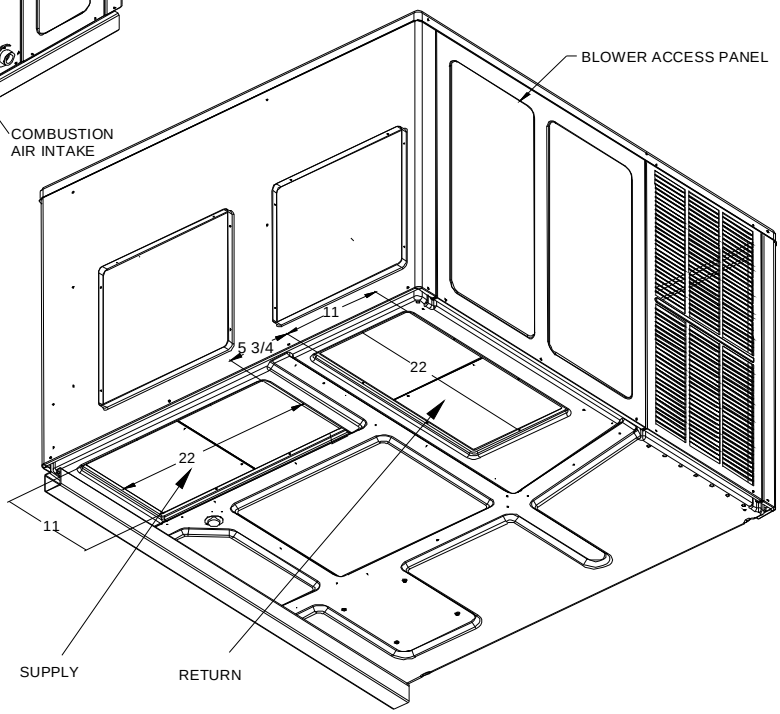
PACKAGE GAS SPECIFICATIONS

UNIT DIMENSIONS





DIMENSION (INCHES)	MEDIUM	LARGE
A	32	40
B	16	18
C	9 1/2	14



MEDIUM CHASSIS

*PG1324, 30, 36

LARGE CHASSIS

*PG1342, 48, 60

PRODUCT DIMENSIONS *PG13[24-36]***M41A*

		*PG1324045M4 AA/AB	*PG1324070M41 AA/AB	*PG1330045M4 AA/AB	*PG1330070M41 AA/AB	*PG1336045M41 AA/AB
COOLING	COOLING CAPACITY, BTUH	23,600	23,600	28,600	28,600	36,000
CAPACITY	SEER / EER	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0	13.0 / 10.75
	HEATING INPUT BTUH (U.S. & CANADIAN)	46,000	69,000	46,000	69,000	46,000
HEATING	HEATING OUTPUT BTUH (U.S. & CANADIAN)	36,700	55,000	36,700	55,000	36,700
CAPACITY	AFUE (%)	80	80	80	80	80
	TEMPERATURE RISE (°F)	30 - 60	35 - 65	30 - 60	35 - 65	30 - 60
UNIT	VOLTAGE (NAMEPLATE)	208/230	208/230	208/230	208/230	208/230
ELECTRICAL	UNIT AMPS (TOTAL)	11.3	11.3	13.9	13.9	21.2
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	13.4	13.4	16.6	16.6	25.4
	MAXIMUM OVERCURRENT PROTECTION(3)	20	20	25	25	40
HEATING	NUMBER OF BURNERS	2	3	2	3	2
SECTION	ORIFICE SIZE NATURAL	43	43	43	43	43
	ORIFICE SIZE LP	55	55	55	55	55
COMPRESSOR	TYPE	Recip	Recip	Recip	Recip	Scroll
	RATED LOAD AMPS	8.3	8.3	10.6	10.6	16.7
	LOCKED ROTOR AMPS	43.0	43.0	54.0	54.0	79.0
CONDENSER	HORSEPOWER	1/4	1/4	1/4	1/4	1/4
FAN MOTOR	RPM	830	830	1100	1100	830
	FULL LOAD AMPS	1.5	1.5	1.4	1.4	1.5
	LOCKED ROTOR AMPS	3.0	3.0	2.9	2.9	3.0
CONDENSER	BLADE DIAMETER (INCHES)	22	22	22	22	22
FAN	NUMBER OF BLADES	3	3	3	3	3
	CFM	2400	2400	2700	2700	2400
CONDENSER	FACE AREA - SQ. FT.	12.3	12.3	12.3	12.3	12.3
COIL	NUMBER OF ROWS	1	1	1	1	1
	FINS PER INCH	24	24	24	24	24
EVAPORATOR	HORSEPOWER - NO. OF SPEEDS	1/4 - 3	1/4 - 3	1/3 - 3	1/3 - 3	1/3 - 3
BLOWER	FULL LOAD AMPS	1.5	1.5	1.9	1.9	3.1
MOTOR	LOCKED ROTOR AMPS	2.2	2.2	3.1	3.1	4.1
	MOTOR SPEED TAP - COOLING	Med	Med	Med	Med	High
	RPM	952	952	1,015	1,015	910
EVAPORATOR	DIAMETER X WIDTH (INCHES)	10" x 8"	10" x 8"	10" x 8"	10" x 8"	10" x 9"
BLOWER	RATED SCFM COOLING	800	800	1000	1000	1200
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5	0.5	0.5	0.5
EVAPORATOR	FACE AREA - SQ. FT.	4.33	4.33	4.33	4.33	4.33
COIL	NUMBER OF ROWS	3	3	4	4	4
	FINS PER INCH	16	16	16	16	14
	FILTER SIZE - SQ. FT. (2)	2.7	2.7	3.3	3.3	4.2
	DRAIN SIZE (INCHES)	3/4	3/4	3/4	3/4	3/4
HEATING	PRIMARY LIMIT SETTING (°F)	150	150	150	150	150
LIMITS	AUXILIARY LIMIT SETTING (°F)	150	150	150	150	150
	ROLLOUT LIMIT SETTING (°F)	350*	350*	350*	350*	350*
GENERAL	PISTON EXPANSION DEVICE	Orifice (.053)	Orifice (.053)	Orifice (.062)	Orifice (.062)	Orifice (.070)
INFORMATION	REFRIGERANT CHARGE R-410A (Oz.)	80	80	80	80	85
	POWER SUPPLY ENTRANCE SIZE (INCHES)	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	7/8	7/8	7/8	7/8	7/8
	SHIPPING WEIGHT LBS.	435	439	438	442	470
	OPERATING WEIGHT LBS.	412	417	415	420	449

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Calculated external filter size based on air velocity of 300 ft/min. and applies to disposable filters **only.**
(3) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
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.
* AA revision models rollout limit setting is 300°. AB revision rollout limit setting is 350°.

PACKAGE GAS SPECIFICATIONS *PG13[36-48]***M41A*

		*PG1336070M41 AA/AB	*PG1336090M41 AA/AB	*PG1342070M41 AA/AB	*PG1342090M41 AA/AB	*PG1348070M41 AA/AB
COOLING	COOLING CAPACITY, BTUH	36,000	36,000	40,500	40,500	46,000
CAPACITY	SEER / EER	13.0 / 10.75	13.0 / 10.75	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0
	HEATING INPUT BTUH (U.S. & CANADIAN)	69,000	92,000	69,000	92,000	69,000
HEATING	HEATING OUTPUT BTUH (U.S. & CANADIAN)	55,000	73,600	55,000	73,600	55,000
CAPACITY	AFUE (%)	80	80	80	80	80
	TEMPERATURE RISE (°F)	35 - 65	45 - 75	35 - 65	45 - 75	35 - 65
UNIT	VOLTAGE (NAMEPLATE)	208/230	208/230	208/230	208/230	208/230
ELECTRICAL	UNIT AMPS (TOTAL)	21.2	21.2	22.3	22.3	27.1
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	25.4	25.4	26.8	26.8	32.1
	MAXIMUM OVERCURRENT PROTECTION	40	40	40	40	50
HEATING	NUMBER OF BURNERS	3	4	3	4	3
SECTION	ORIFICE SIZE NATURAL	43	43	43	43	43
	ORIFICE SIZE LP	55	55	55	55	55
COMPRESSOR	TYPE	Scroll	Scroll	Scroll	Scroll	Scroll
	RATED LOAD AMPS	16.7	16.7	17.9	17.9	19.9
	LOCKED ROTOR AMPS	79.0	79.0	112.0	112.0	109.0
CONDENSER	HORSEPOWER	1/4	1/4	1/4	1/4	1/4
FAN MOTOR	RPM	830	830	1100	1100	1100
	FULL LOAD AMPS	1.5	1.5	1.4	1.4	1.4
	LOCKED ROTOR AMPS	3.0	3.0	2.9	2.9	2.9
CONDENSER	BLADE DIAMETER (INCHES)	22	22	22	22	22
FAN	NUMBER OF BLADES	3	3	3	3	3
	CFM	2400	2400	3500	3500	3500
CONDENSER	FACE AREA - SQ. FT.	12.3	12.3	15.4	15.4	15.4
COIL	NUMBER OF ROWS	1	1	1	1	1
	FINS PER INCH	24	24	24	24	24
EVAPORATOR	HORSEPOWER - NO. OF SPEEDS	1/3 - 3	1/3 - 3	1/3 - 3	1/3 - 3	3/4 - 5
BLOWER	FULL LOAD AMPS	3.06	3.06	3.06	3.06	5.8
MOTOR	LOCKED ROTOR AMPS	4.1	4.1	4.1	4.1	--
	MOTOR SPEED TAP - COOLING	High	High	Medium	Medium	T4
	RPM	910	910	910	910	1050
EVAPORATOR	DIAMETER X WIDTH (INCHES)	10" x 9"	10" x 9"	10" x 10"	10" x 10"	11" x 10"
BLOWER	RATED SCFM COOLING	1200	1200	1300	1300	1520
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5	0.5	0.5	0.5
EVAPORATOR	FACE AREA - SQ. FT.	4.33	4.33	5.67	5.67	5.67
COIL	NUMBER OF ROWS	4	4	4	4	4
	FINS PER INCH	14	14	14	14	14
	FILTER SIZE - SQ. FT. (2)	4.2	4.2	4.7	4.7	5.1
	DRAIN SIZE (INCHES)	3/4	3/4	3/4	3/4	3/4
HEATING	PRIMARY LIMIT SETTING (°F)	150	150	150	150	150
LIMITS	AUXILIARY LIMIT SETTING (°F)	150	150	150	150	150
	ROLLOUT LIMIT SETTING (°F)	350*	350*	350*	350*	350*
GENERAL	PISTON EXPANSION DEVICE	Orifice (.070)	Orifice (.070)	Orifice (.072)	Orifice (.072)	Orifice (.076)
INFORMATION	REFRIGERANT CHARGE R-410A (Oz.)	85	85	105	105	125
	POWER SUPPLY ENTRANCE SIZE (INCHES)	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	7/8	7/8	7/8	7/8	7/8
	SHIPPING WEIGHT LBS.	475	480	515	520	540
	OPERATING WEIGHT LBS.	453	458	493	496	518

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Calculated external filter size based on air velocity of 300 ft/min. and applies to disposable filters **only.**
(3) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
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.
* AA revision models rollout limit setting is 300°. AB revision rollout limit setting is 350°.

PACKAGE GAS SPECIFICATIONS *PG13[48-60]***M41A*

		*PG1348090M41 AA/AB	*PG1348115M41 AA/AB	*PG1360090M41 AA/AB	*PG1360115M41 AA/AB	*PG1360140M41 AA/AB
COOLING	COOLING CAPACITY, BTUH	46,000	46,000	57,000	57,000	57,000
CAPACITY	SEER / EER	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0
	HEATING INPUT BTUH (U.S. & CANADIAN)	92,000	115,000	92,000	115,000	138,000
HEATING	HEATING OUTPUT BTUH (U.S. & CANADIAN)	73,600	92,000	73,600	92,000	110,400
CAPACITY	AFUE (%)	80	80	80	80	80
	TEMPERATURE RISE (°F)	45 - 75	45-75	45 - 75	45 - 75	45 - 75
UNIT	VOLTAGE (NAMEPLATE)	208/230	208/230	208/230	208/230	208/230
ELECTRICAL	UNIT AMPS (TOTAL)	27.1	27.1	35.2	35.2	35.2
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	32.1	32.1	42.0	42.0	42.0
	MAXIMUM OVERCURRENT PROTECTION	50	50	60	60	60
HEATING	NUMBER OF BURNERS	4	5	4	5	6
SECTION	ORIFICE SIZE NATURAL	43	43	43	43	43
	ORIFICE SIZE LP	55	55	55	55	55
COMPRESSOR	TYPE	Scroll	Scroll	Scroll	Scroll	Scroll
	RATED LOAD AMPS	19.9	19.9	26.4	26.4	26.4
	LOCKED ROTOR AMPS	109.0	109.0	134.0	134.0	134.0
CONDENSER	HORSEPOWER	1/4	1/4	1/4	1/4	1/4
FAN MOTOR	RPM	1100	1100	1100	1100	1100
	FULL LOAD AMPS	1.4	1.4	1.4	1.4	1.4
	LOCKED ROTOR AMPS	2.9	2.9	2.9	2.9	2.9
CONDENSER	BLADE DIAMETER (INCHES)	22	22	22	22	22
FAN	NUMBER OF BLADES	3	3	3	3	3
	CFM	3500	3500	3250	3250	3250
CONDENSER	FACE AREA - SQ. FT.	15.4	15.4	15.4	15.4	15.4
COIL	NUMBER OF ROWS	1	1	2	2	2
	FINS PER INCH	24	24	24	24	24
EVAPORATOR	HORSEPOWER - NO. OF SPEEDS	3/4 - 5	3/4 - 5	1 - 5	1 - 5	1 - 5
BLOWER	FULL LOAD AMPS	5.8	5.8	7.4	7.4	7.4
MOTOR	LOCKED ROTOR AMPS	--	--	--	--	--
	MOTOR SPEED TAP - COOLING	T4	T4	T4	T4	T4
	RPM	1050	1050	1050	1050	1050
EVAPORATOR	DIAMETER X WIDTH (INCHES)	11" x 10"	11" x 10"	11" x 10"	11" x 10"	11" x 10"
BLOWER	RATED SCFM COOLING	1520	1520	1750	1750	1750
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5	0.5	0.5	0.5
EVAPORATOR	FACE AREA - SQ. FT.	5.67	5.67	5.67	5.67	5.67
COIL	NUMBER OF ROWS	4	4	4	4	4
	FINS PER INCH	14	14	14	14	14
	FILTER SIZE - SQ. FT. (2)	5.1	5.1	6.3	6.3	6.3
	DRAIN SIZE (INCHES)	3/4	3/4	3/4	3/4	3/4
HEATING	PRIMARY LIMIT SETTING (°F)	150	150	150	150	150
LIMITS	AUXILIARY LIMIT SETTING (°F)	150	150	150	150	150
	ROLLOUT LIMIT SETTING (°F)	350*	350*	350*	350*	350*
GENERAL	PISTON EXPANSION DEVICE	Orifice (.076)	Orifice (.076)	Orifice (.087)	Orifice (.087)	Orifice (.087)
INFORMATION	REFRIGERANT CHARGE R-410A (Oz.)	125	125	185	185	185
	POWER SUPPLY ENTRANCE SIZE (INCHES)	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	7/8	7/8	7/8	7/8	7/8
	SHIPPING WEIGHT LBS.	545	550	555	560	565
	OPERATING WEIGHT LBS.	523	528	533	538	543

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Calculated external filter size based on air velocity of 300 ft/min. and applies to disposable filters **only.**
(3) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
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.
* AA revision models rollout limit setting is 300°. AB revision rollout limit setting is 350°.

ACCESSORIES

ACCESSORIES	
Part Number	**Description**
LPT-03	Propane Conversion Kit *(LPT-00A may be used on models with AA revisions)*
HA-02	High Altitude Kit
PGC101/102/103	Roof Curb
PGED101/102	Downflow Economizer, Small and Medium Chassis
PGED103	Downflow Economizer, Large Chassis
PGEH101/102	Horizontal Economizer, Small and Medium Chassis
PGEH103	Horizontal Economizer, 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
PGMDH101	Manual 25% Fresh Air Damper Horizontal Application, Small 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
PGMDMH101	Motorized 25% Fresh Air Damper Horizontal Application, Small Chassis
PGMDMH102	Motorized 25% Fresh Air Damper Horizontal Application, Medium Chassis
PGMDMH103	Motorized 25% Fresh Air Damper Horizontal Application, Large Chassis
SQRPG101/102	Square to Round Adapter w/ 16" Round Downflow Application, Small and 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, Small and Medium Chassis
SQRPGH103	Square to Round Adapter w/ 18" Round Horizontal Application, Large Chassis
PGFR101/102/103	Internal Filter Rack All Chassis
GPGHFR101-103	External Horizontal Filter Rack for Goodman/Amana Gas/Electric & Multi-position Package Units All 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

BLOWER PERFORMANCE DATA *PG13[24-30]***M41A*

PG1324045M41A - Rise Range: 30° - 60°												
Unit	LOW				MEDIUM				HIGH			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	600	150	0.67	57	850	230	1.02	40	1,190	380	1.67	NR
0.2	570	140	0.65	60	830	220	1.00	41	1,140	360	1.62	NR
0.3	510	130	0.63	NR	765	215	0.97	45	1,080	350	1.58	32
0.4	450	125	0.61	NR	715	210	0.94	48	1,025	340	1.54	33
0.5	380	120	0.58	NR	660	205	0.90	52	975	330	1.38	35
0.6	--------	--------	--------	NR	610	195	0.88	56	920	310	1.37	37
0.7	--------	--------	--------	NR	--------	--------	--------	NR	830	300	1.35	41
0.8	--------	--------	--------	NR	--------	--------	--------	NR	730	290	1.32	47

PG1324070M41A - Rise Range: 35° - 65°												
Unit	LOW				MEDIUM				HIGH			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	600	150	0.67	NR	850	230	1.02	NR	1,190	380	1.67	43
0.2	570	140	0.65	NR	830	220	1.00	NR	1,140	360	1.62	45
0.3	510	130	0.63	NR	765	215	0.97	NR	1,080	350	1.58	47
0.4	450	125	0.61	NR	715	210	0.94	NR	1,025	340	1.54	50
0.5	380	120	0.58	NR	660	205	0.90	NR	975	330	1.38	52
0.6	--------	--------	--------	NR	610	195	0.88	NR	920	310	1.37	56
0.7	--------	--------	--------	NR	--------	--------	--------	NR	830	300	1.35	62
0.8	--------	--------	--------	NR	--------	--------	--------	NR	730	290	1.32	NR

PG1330045M41A - Rise Range: 30° - 60°												
Unit	LOW				MEDIUM				HIGH			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	1,056	350	1.51	33	1,261	452	1.95	NR	1,370	509	2.23	NR
0.2	1,010	339	1.43	34	1,221	442	1.90	NR	1,310	492	2.13	NR
0.3	971	343	1.45	36	1,174	428	1.84	NR	1,262	489	2.09	NR
0.4	937	329	1.41	37	1,125	414	1.80	31	1,208	475	2.06	NR
0.5	878	318	1.27	39	1,063	398	1.70	32	1,140	453	1.93	30
0.6	811	306	1.29	43	1,004	380	1.66	34	1,081	440	1.90	32
0.7	723	291	1.21	48	919	368	1.59	38	1,006	425	1.88	34
0.8	545	259	1.10	NR	796	371	1.46	43	879	403	1.74	39

PG133070M41A - Rise Range: 35° -65°												
Unit	LOW				MEDIUM				HIGH			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	1,056	350	1.51	49	1,261	452	1.95	41	1,370	509	2.23	38
0.2	1,010	339	1.43	51	1,221	442	1.90	42	1,310	492	2.13	40
0.3	971	343	1.45	53	1,174	428	1.84	44	1,262	489	2.09	41
0.4	937	329	1.41	55	1,125	414	1.80	46	1,208	475	2.06	43
0.5	878	318	1.27	59	1,063	398	1.70	49	1,140	453	1.93	45
0.6	811	306	1.29	64	1,004	380	1.66	52	1,081	440	1.90	48
0.7	723	291	1.21	NR	919	368	1.59	56	1,006	425	1.88	NR
0.8	545	259	1.10	NR	796	371	1.46	65	879	403	1.74	NR

NR = Heating Termperature Rise Not Recommeded.

NOTE: *The shaded area indicates ranges in excess of maximum external static pressure allowable when heating. For satisfactory operation, external static pressure should not exceed 0.5" w.c.*

BLOWER PERFORMANCE DATA *PG13[36-42]***M41A*

PG1336045M41A - Rise Range: 30 -60°												
Unit	LOW				MEDIUM				HIGH			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	1,029	346	1.51	34	1,337	471	2.08	NR	1,462	596	2.64	NR
0.2	982	334	1.46	35	1,265	452	2.01	NR	1,398	563	2.58	NR
0.3	946	329	1.40	36	1,227	448	1.97	NR	1,326	550	2.50	NR
0.4	888	313	1.38	39	1,159	429	1.87	30	1,260	534	2.42	NR
0.5	823	304	1.29	42	1,073	405	1.73	32	1,188	513	2.34	NR
0.6	750	287	1.23	46	1,008	393	1.71	34	1,090	496	2.22	32
0.7	668	271	1.16	52	895	371	1.61	39	997	478	2.18	35
0.8	454	238	1.00	NR	760	346	1.49	45	852	454	2.12	40

PG1336070M41A - Rise Range: 35° -65°												
Unit	LOW				MEDIUM				HIGH			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	1,029	346	1.51	50	1,337	471	2.08	39	1,462	596	2.64	35
0.2	982	334	1.46	53	1,265	452	2.01	41	1,398	563	2.58	37
0.3	946	329	1.40	55	1,227	448	1.97	42	1,326	550	2.50	39
0.4	888	313	1.38	58	1,159	429	1.87	45	1,260	534	2.42	41
0.5	823	304	1.29	63	1,073	405	1.73	48	1,188	513	2.34	44
0.6	750	287	1.23	NR	1,008	393	1.71	51	1,090	496	2.22	47
0.7	668	271	1.16	NR	895	371	1.61	58	997	478	2.18	52
0.8	454	238	1.00	NR	760	346	1.49	68	852	454	2.12	61

PG1336090M41A - Rise Range: 45° -75°												
Unit	LOW				MEDIUM				HIGH			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	1,029	346	1.51	50	1,337	471	2.08	NR	1,462	596	2.64	NR
0.2	982	334	1.46	53	1,265	452	2.01	NR	1,398	563	2.58	NR
0.3	946	329	1.40	55	1,227	448	1.97	NR	1,326	550	2.50	NR
0.4	888	313	1.38	58	1,159	429	1.87	45	1,260	534	2.42	NR
0.5	823	304	1.29	63	1,073	405	1.73	48	1,188	513	2.34	NR
0.6	750	287	1.23	69	1,008	393	1.71	51	1,090	496	2.22	47
0.7	668	271	1.16	NR	895	371	1.61	58	997	478	2.18	52
0.8	454	238	1.00	NR	760	346	1.49	68	852	454	2.12	61

PG1342070M41A - Rise Range: 35° - 65°												
Unit	LOW				MEDIUM				HIGH			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	1,100	340	1.55	46	1,450	480	2.15	35	1,575	585	2.64	NR
0.2	1,040	325	1.49	49	1,390	460	2.06	37	1,515	565	2.58	NR
0.3	1,000	320	1.44	51	1,300	445	1.98	39	1,430	550	2.50	36
0.4	925	305	1.38	55	1,215	425	1.89	42	1,340	525	2.42	38
0.5	860	290	1.32	59	1,115	395	1.79	46	1,240	505	2.34	41
0.6	800	275	1.22	64	1,030	375	1.71	50	1,130	465	2.22	45
0.7	690	255	1.16	NR	945	350	1.60	54	1,010	450	2.18	51
0.8	--------	--------	--------	NR	860	335	1.54	59	910	430	2.12	56

PG1342090M41A - Rise Range: 45° - 75°												
Unit	LOW				MEDIUM				HIGH			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	1,100	340	1.55	62	1,450	480	2.15	47	1,575	585	2.64	NR
0.2	1,040	325	1.49	66	1,390	460	2.06	49	1,515	565	2.58	45
0.3	1,000	320	1.44	68	1,300	445	1.98	52	1,430	550	2.50	48
0.4	925	305	1.38	74	1,215	425	1.89	56	1,340	525	2.42	51
0.5	860	290	1.32	NR	1,115	395	1.79	61	1,240	505	2.34	55
0.6	800	275	1.22	NR	1,030	375	1.71	66	1,130	465	2.22	60
0.7	690	255	1.16	NR	945	350	1.60	72	1,010	450	2.18	67
0.8	--------	--------	--------	NR	860	335	1.54	NR	910	430	2.12	75

NR = Heating Termperature Rise Not Recommeded.

NOTE: *The shaded area indicates ranges in excess of maximum external static pressure allowable when heating. For satisfactory operation, external static pressure should not exceed 0.5" w.c.*

BLOWER PERFORMANCE DATA *PG1348***M41A*

PG1348070M41A - Rise Range: 35° - 65°												
Unit	T1 HEATING SPEED				T2 HEATING SPEED				T3 HEATING SPEED			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
0.2	914	125	1.07	56	1,105	186	1.56	46	1,397	323	2.57	NR
0.3	822	134	1.14	62	1,024	193	1.60	50	1,346	331	2.67	NR
0.4	733	140	1.20	69	967	202	1.65	53	1,288	342	2.76	NR
0.5	664	150	1.26	NR	884	214	1.76	58	1,273	352	2.82	NR
0.6	606	154	1.28	NR	816	220	1.75	62	1,178	359	2.88	NR
0.7	584	162	1.32	NR	769	230	1.85	66	1,120	369	2.97	45
0.8	551	164	1.34	NR	698	236	1.89	73	1,057	381	3.09	48

Unit	T4 COOLING SPEED			T5 COOLING SPEED		
Static	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	--------	--------	--------	--------	--------	--------
0.2	1,593	449	3.55	1,669	532	4.22
0.3	1,545	463	3.69	1,654	239	4.25
0.4	1,506	476	3.82	1,610	551	4.30
0.5	1,448	481	3.87	1,545	557	4.36
0.6	1,400	493	3.95	1,512	566	4.41
0.7	1,341	502	4.00	1,433	578	4.59
0.8	1289	511	4.11	1,392	591	4.65

PG1348090M41A - Rise Range: 45° - 75°												
Unit	T1 HEATING SPEED				T2 HEATING SPEED				T3 HEATING SPEED			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
0.2	914	125	1.07	75	1,105	186	1.56	62	1,397	323	2.57	49
0.3	822	134	1.14	NR	1,024	193	1.60	67	1,346	331	2.67	51
0.4	733	140	1.20	NR	967	202	1.65	71	1,288	342	2.76	53
0.5	664	150	1.26	NR	884	214	1.76	NR	1,273	352	2.82	54
0.6	606	154	1.28	NR	816	220	1.75	NR	1,178	359	2.88	58
0.7	584	162	1.32	NR	769	230	1.85	NR	1,120	369	2.97	61
0.8	551	164	1.34	NR	698	236	1.89	NR	1,057	381	3.09	65

Unit	T4 COOLING SPEED			T5 COOLING SPEED		
Static	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	--------	--------	--------	--------	--------	--------
0.2	1,593	449	3.55	1,669	532	4.22
0.3	1,545	463	3.69	1,654	239	4.25
0.4	1,506	476	3.82	1,610	551	4.30
0.5	1,448	481	3.87	1,545	557	4.36
0.6	1,400	493	3.95	1,512	566	4.41
0.7	1,341	502	4.00	1,433	578	4.59
0.8	1289	511	4.11	1,392	591	4.65

PG13480115M41A - Rise Range: 45° - 75°												
Unit	T1 HEATING SPEED				T2 HEATING SPEED				T3 HEATING SPEED			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
0.2	914	125	1.07	NR	1,105	186	1.56	77	1,397	323	2.57	61
0.3	822	134	1.14	NR	1,024	193	1.60	NR	1,346	331	2.67	63
0.4	733	140	1.20	NR	967	202	1.65	NR	1,288	342	2.76	66
0.5	664	150	1.26	NR	884	214	1.76	NR	1,273	352	2.82	67
0.6	606	154	1.28	NR	816	220	1.75	NR	1,178	359	2.88	72
0.7	584	162	1.32	NR	769	230	1.85	NR	1,120	369	2.97	NR
0.8	551	164	1.34	NR	698	236	1.89	NR	1,057	381	3.09	NR

Unit	T4 COOLING SPEED			T5 COOLING SPEED		
Static	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	--------	--------	--------	--------	--------	--------
0.2	1,593	449	3.55	1,669	532	4.22
0.3	1,545	463	3.69	1,654	239	4.25
0.4	1,506	476	3.82	1,610	551	4.30
0.5	1,448	481	3.87	1,545	557	4.36
0.6	1,400	493	3.95	1,512	566	4.41
0.7	1,341	502	4.00	1,433	578	4.59
0.8	1289	511	4.11	1,392	591	4.65

NR = Heating Termperature Rise Not Recommeded.

NOTE: *The shaded area indicates ranges in excess of maximum external static pressure allowable when heating. For satisfactory operation, external static pressure should not exceed 0.5" w.c.*

BLOWER PERFORMANCE DATA *PG1360***M41A*

PG136090M41A - Rise Range: 45° - 75°												
Unit	T1 HEATING SPEED				T2 HEATING SPEED				T3 HEATING SPEED			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	1,125	162	1.44	61	1,466	315	2.67	47	1,780	496	3.33	NR
0.2	1,049	168	1.53	65	1,384	322	2.74	50	1,730	506	3.89	NR
0.3	1,000	178	1.60	69	1,347	329	2.78	51	1,664	520	4.01	NR
0.4	910	184	1.64	75	1,291	341	2.83	53	1,608	526	4.03	NR
0.5	857	197	1.75	NR	1,237	350	2.90	55	1,568	532	4.12	NR
0.6	809	201	1.83	NR	1,185	362	3.05	58	1,515	546	4.14	45
0.7	739	207	1.86	NR	1,134	369	3.09	60	1,477	552	4.18	46
0.8	703	218	1.96	NR	1,087	382	3.21	63	1,422	562	4.23	48

Unit	T4 COOLING SPEED			T5 COOLING SPEED		
Static	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	1,942	649	4.83	2,067	792	5.81
0.2	1,883	657	4.87	2,030	811	5.85
0.3	1,859	670	4.96	1,982	814	5.88
0.4	1,827	675	4.97	1,909	808	5.86
0.5	1,749	683	4.99	1,842	798	5.85
0.6	1,706	693	5.10	1,789	772	5.65
0.7	1,655	703	5.12	1,703	763	5.58
0.8	1,588	705	5.11	1,618	732	5.29

PG1360115M41A - Rise Range: 45° - 75°												
Unit	T1 HEATING SPEED				T2 HEATING SPEED				T3 HEATING SPEED			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	1,125	162	1.44	NR	1,466	315	2.67	58	1,780	496	3.33	48
0.2	1,049	168	1.53	NR	1,384	322	2.74	62	1,730	506	3.89	49
0.3	1,000	178	1.60	NR	1,347	329	2.78	63	1,664	520	4.01	51
0.4	910	184	1.64	NR	1,291	341	2.83	66	1,608	526	4.03	53
0.5	857	197	1.75	NR	1,237	350	2.90	69	1,568	532	4.12	54
0.6	809	201	1.83	NR	1,185	362	3.05	72	1,515	546	4.14	56
0.7	739	207	1.86	NR	1,134	369	3.09	NR	1,477	552	4.18	58
0.8	703	218	1.96	NR	1,087	382	3.21	NR	1,422	562	4.23	60

Unit	T4 COOLING SPEED			T5 COOLING SPEED		
Static	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	1,942	649	4.83	2,067	792	5.81
0.2	1,883	657	4.87	2,030	811	5.85
0.3	1,859	670	4.96	1,982	814	5.88
0.4	1,827	675	4.97	1,909	808	5.86
0.5	1,749	683	4.99	1,842	798	5.85
0.6	1,706	693	5.10	1,789	772	5.65
0.7	1,655	703	5.12	1,703	763	5.58
0.8	1,588	705	5.11	1,618	732	5.29

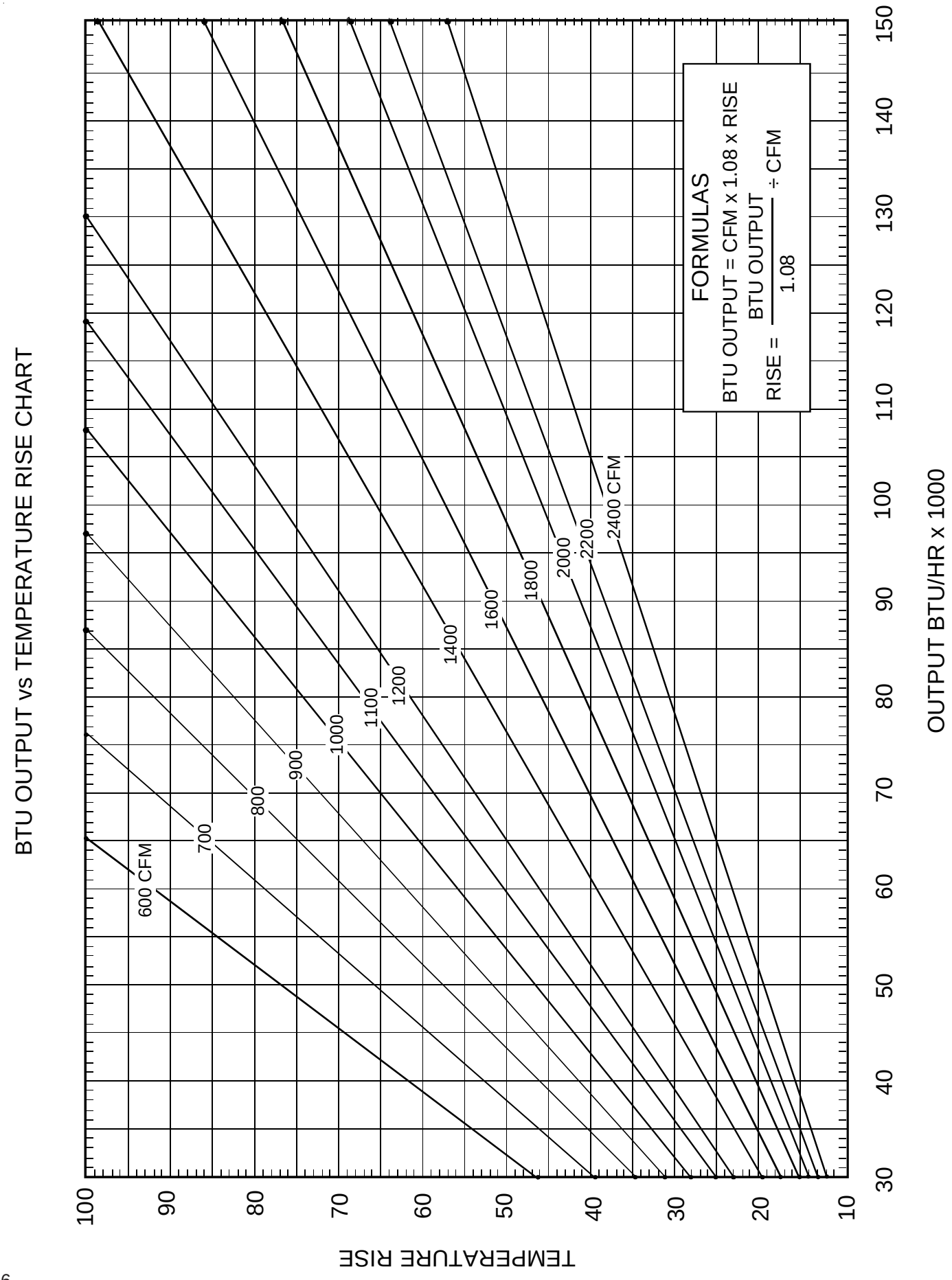
PG1360140M41A - Rise Range: 45° - 75°												
Unit	T1 HEATING SPEED				T2 HEATING SPEED				T3 HEATING SPEED			
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	1,125	162	1.44	NR	1,466	315	2.67	71	1,780	496	3.33	59
0.2	1,049	168	1.53	NR	1,384	322	2.74	NR	1,730	506	3.89	60
0.3	1,000	178	1.60	NR	1,347	329	2.78	NR	1,664	520	4.01	63
0.4	910	184	1.64	NR	1,291	341	2.83	NR	1,608	526	4.03	65
0.5	857	197	1.75	NR	1,237	350	2.90	NR	1,568	532	4.12	67
0.6	809	201	1.83	NR	1,185	362	3.05	NR	1,515	546	4.14	69
0.7	739	207	1.86	NR	1,134	369	3.09	NR	1,477	552	4.18	71
0.8	703	218	1.96	NR	1,087	382	3.21	NR	1,422	562	4.23	74

Unit	T4 COOLING SPEED			T5 COOLING SPEED		
Static	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	1,942	649	4.83	2,067	792	5.81
0.2	1,883	657	4.87	2,030	811	5.85
0.3	1,859	670	4.96	1,982	814	5.88
0.4	1,827	675	4.97	1,909	808	5.86
0.5	1,749	683	4.99	1,842	798	5.85
0.6	1,706	693	5.10	1,789	772	5.65
0.7	1,655	703	5.12	1,703	763	5.58
0.8	1,588	705	5.11	1,618	732	5.29

NR = Heating Temperature Rise Not Recommended.

tic pressure allowable when heating. For satisfactory operation,

BLOWER PERFORMANCE DATA



MODEL: *PG1324*M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 14 °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	890	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	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.84	0.70	0.48	-	0.86	0.72	0.50	-	0.90	0.75	0.52	-	0.90	0.75	0.52	-
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
		KW	1.69	1.73	1.78	-	1.82	1.86	1.91	-	1.93	1.97	2.03	-	2.03	2.07	2.14	-	2.11	2.16	2.22	-	2.18	2.23	2.30	-
		AMPS	6.7	6.8	7.0	-	7.1	7.3	7.5	-	7.7	7.9	8.1	-	8.2	8.4	8.6	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-
		HI PR	243	262	276	-	273	294	310	-	310	334	353	-	353	380	402	-	398	428	452	-	439	473	499	-
		LO PR	112	119	130	-	119	126	138	-	123	131	143	-	129	138	150	-	136	144	158	-	140	149	163	-
	790	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	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		Delta T	20	17	13	-	20	17	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		KW	1.68	1.71	1.77	-	1.80	1.84	1.90	-	1.91	1.95	2.02	-	2.01	2.05	2.12	-	2.09	2.14	2.21	-	2.16	2.21	2.28	-
		AMPS	6.6	6.7	6.9	-	7.1	7.2	7.5	-	7.6	7.8	8.0	-	8.1	8.3	8.6	-	8.6	8.8	9.1	-	9.1	9.3	9.6	-
		HI PR	241	259	274	-	270	291	307	-	307	331	349	-	350	377	398	-	394	424	447	-	435	468	494	-
		LO PR	111	118	129	-	117	125	136	-	122	130	142	-	128	136	149	-	134	143	156	-	139	148	161	-
	690	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	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
		Delta T	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	20	18	13	-	19	17	13	-
		KW	1.64	1.67	1.72	-	1.76	1.80	1.85	-	1.87	1.91	1.97	-	1.96	2.00	2.07	-	2.04	2.09	2.15	-	2.11	2.16	2.23	-
		AMPS	6.4	6.6	6.8	-	6.9	7.1	7.3	-	7.4	7.6	7.8	-	7.9	8.1	8.3	-	8.4	8.6	8.8	-	8.8	9.0	9.3	-
		HI PR	233	251	265	-	262	282	298	-	298	321	339	-	339	365	386	-	382	411	434	-	422	454	479	-
		LO PR	108	115	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	139	151	-	135	143	157	-
75	890	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	0.89	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.66	0.43	1.00	0.91	0.69	0.44	1.00	0.92	0.70	0.45
		Delta T	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	20	19	16	11
		KW	1.71	1.74	1.79	1.85	1.83	1.87	1.93	1.99	1.94	1.99	2.05	2.11	2.04	2.09	2.15	2.22	2.13	2.17	2.24	2.32	2.20	2.25	2.32	2.40
		AMPS	6.7	6.9	7.1	7.3	7.2	7.4	7.6	7.8	7.8	7.9	8.2	8.5	8.3	8.4	8.7	9.0	8.7	8.9	9.2	9.6	9.2	9.4	9.7	10.1
		HI PR	246	264	279	291	276	297	313	327	313	337	356	371	357	384	406	423	402	432	456	476	444	478	504	526
		LO PR	113	121	132	140	120	127	139	148	124	132	145	154	131	139	152	162	137	146	159	170	142	151	165	175
	790	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	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.39	0.91	0.81	0.61	0.39	0.94	**0.84**	0.63	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.66	0.43
		Delta T	23	21	17	12	23	22	18	12	23	22	18	12	24	**22**	18	12	23	21	18	12	22	20	16	11
		KW	1.69	1.73	1.78	1.83	1.82	1.86	1.91	1.97	1.93	1.97	2.03	2.10	2.03	**2.07**	2.14	2.21	2.11	2.16	2.23	2.30	2.18	2.23	2.30	2.38
		AMPS	6.7	6.8	7.0	7.2	7.1	7.3	7.5	7.8	7.7	7.9	8.1	8.4	8.2	**8.4**	8.6	8.9	8.7	8.9	9.1	9.5	9.2	9.4	9.7	10.0
		HI PR	243	262	276	288	273	294	310	323	310	334	353	368	353	**380**	402	419	398	428	452	471	439	473	499	521
		LO PR	112	119	130	139	119	126	138	147	123	131	143	152	129	**138**	150	160	136	144	158	168	140	149	163	174
	690	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	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41
		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	1.65	1.69	1.74	1.79	1.78	1.81	1.87	1.93	1.88	1.92	1.98	2.05	1.98	2.02	2.08	2.15	2.06	2.10	2.17	2.24	2.13	2.17	2.24	2.32
		AMPS	6.5	6.6	6.8	7.1	7.0	7.1	7.3	7.6	7.5	7.7	7.9	8.2	8.0	8.2	8.4	8.7	8.5	8.6	8.9	9.2	8.9	9.1	9.4	9.7
		HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	406	386	415	438	457	426	459	484	505
		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

* IDB: 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: *PG1324*M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 14 °F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																					
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																					
80	890	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	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.80	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.64	1.00	1.00	0.86	0.64
		Delta T	25	24	21	16	25	24	21	17	24	24	21	17	23	24	21	17	22	23	21	17	21	21	19	15
		KW	1.72	1.75	1.81	1.86	1.85	1.89	1.94	2.01	1.96	2.00	2.06	2.13	2.06	2.10	2.17	2.24	2.14	2.19	2.26	2.34	2.22	2.27	2.34	2.42
		AMPS	6.8	6.9	7.1	7.4	7.3	7.4	7.6	7.9	7.8	8.0	8.3	8.5	8.3	8.5	8.8	9.1	8.8	9.0	9.3	9.6	9.3	9.5	9.8	10.2
		HI PR	248	267	282	294	278	300	316	330	317	341	360	375	361	388	410	427	406	437	461	481	448	482	509	531
		LO PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	153	163	138	147	161	171	143	152	166	177
	790	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	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.99	0.93	0.76	0.57	1.00	0.96	**0.78**	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61
		Delta T	26	25	21	17	26	25	22	17	26	25	22	17	26	25	**22**	17	24	25	22	17	23	23	20	16
		KW	1.71	1.74	1.79	1.85	1.83	1.87	1.93	1.99	1.94	1.99	2.05	2.11	2.04	2.09	**2.15**	2.22	2.13	2.17	2.24	2.32	2.20	2.25	2.32	2.40
		AMPS	6.7	6.9	7.1	7.3	7.2	7.4	7.6	7.8	7.8	7.9	8.2	8.5	8.3	8.4	**8.7**	9.0	8.7	8.9	9.2	9.6	9.2	9.4	9.7	10.1
		HI PR	246	264	279	291	276	297	313	327	313	337	356	372	357	384	**406**	423	402	432	456	476	444	478	504	526
		LO PR	113	121	132	140	120	127	139	148	125	132	145	154	131	139	**152**	162	137	146	159	170	142	151	165	175
	690	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	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.56	1.03	0.96	0.78	0.59	1.04	0.97	0.79	0.59
		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	1.67	1.70	1.75	1.81	1.79	1.83	1.88	1.94	1.90	1.94	2.00	2.06	1.99	2.04	2.10	2.17	2.08	2.12	2.19	2.26	2.15	2.19	2.26	2.34
		AMPS	6.5	6.7	6.9	7.1	7.0	7.2	7.4	7.6	7.6	7.7	8.0	8.3	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.3	9.0	9.2	9.5	9.8
		HI PR	238	256	271	282	267	288	304	317	304	327	346	360	346	373	394	410	390	419	443	462	430	463	489	510
		LO PR	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	138	146	160	170
85	890	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	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.83
		Delta T	26	26	24	21	25	25	25	21	24	25	25	21	24	24	25	22	23	23	24	21	21	21	22	20
		KW	1.73	1.77	1.82	1.88	1.86	1.90	1.96	2.02	1.98	2.02	2.08	2.15	2.08	2.12	2.19	2.26	2.16	2.21	2.28	2.36	2.24	2.29	2.36	2.44
		AMPS	6.8	7.0	7.2	7.4	7.3	7.5	7.7	8.0	7.9	8.1	8.3	8.6	8.4	8.6	8.9	9.2	8.9	9.1	9.4	9.7	9.4	9.6	9.9	10.3
		HI PR	251	270	285	297	281	303	319	333	320	344	363	379	364	392	414	432	410	441	466	486	453	487	514	537
		LO PR	116	123	134	143	122	130	142	151	127	135	148	157	133	142	155	165	140	149	162	173	145	154	168	179
	790	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	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.80
		Delta T	27	27	26	22	27	27	26	22	27	27	26	22	26	27	26	23	25	25	26	22	23	23	24	21
		KW	1.72	1.75	1.81	1.86	1.85	1.89	1.94	2.01	1.96	2.00	2.06	2.13	2.06	2.10	2.17	2.24	2.14	2.19	2.26	2.34	2.22	2.27	2.34	2.42
		AMPS	6.8	6.9	7.1	7.4	7.3	7.4	7.6	7.9	7.8	8.0	8.3	8.5	8.3	8.5	8.8	9.1	8.8	9.0	9.3	9.6	9.3	9.5	9.8	10.2
		HI PR	248	267	282	294	278	300	316	330	317	341	360	375	361	388	410	427	406	437	461	481	448	482	509	531
		LO PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	153	163	138	147	161	171	143	152	166	177
	690	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	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77
		Delta T	28	28	26	23	28	28	26	23	28	28	26	23	28	28	27	23	26	27	26	23	24	25	24	21
		KW	1.68	1.71	1.77	1.82	1.80	1.84	1.90	1.96	1.91	1.95	2.01	2.08	2.01	2.05	2.12	2.19	2.09	2.14	2.21	2.28	2.16	2.21	2.28	2.36
		AMPS	6.6	6.7	6.9	7.2	7.1	7.2	7.5	7.7	7.6	7.8	8.0	8.3	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.4	9.1	9.3	9.6	9.9
		HI PR	241	259	273	285	270	291	307	320	307	330	349	364	350	376	397	415	393	423	447	466	435	468	494	515
		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

* NOTE: Shaded area reflects AHRI 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)

MODEL: *GP1330*M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 5°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	1125	MBh	28.0	29.0	31.8	-	27.4	28.4	31.1	-	26.7	27.7	30.3	-	26.1	27.0	29.6	-	24.8	25.7	28.1	-	22.9	23.8	26.1	-
		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	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	2.09	2.13	2.19	-	2.24	2.28	2.35	-	2.37	2.42	2.49	-	2.49	2.54	2.62	-	2.59	2.64	2.72	-	2.67	2.73	2.82	-
		AMPS	7.7	7.9	8.1	-	8.3	8.5	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.1	10.3	10.7	-	10.7	10.9	11.3	-
		HI PR	238	256	271	-	267	288	304	-	304	327	345	-	346	373	393	-	390	419	443	-	430	463	489	-
		LO PR	114	122	133	-	121	129	140	-	126	134	146	-	132	140	153	-	138	147	161	-	143	152	166	-
	1000	MBh	27.2	28.2	30.9	-	26.6	27.5	30.2	-	25.9	26.9	29.5	-	25.3	26.2	28.7	-	24.0	24.9	27.3	-	22.3	23.1	25.3	-
		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	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	13	-	18	15	12	-
		KW	2.07	2.11	2.18	-	2.22	2.27	2.33	-	2.35	2.40	2.47	-	2.47	2.52	2.60	-	2.57	2.62	2.70	-	2.65	2.71	2.79	-
		AMPS	7.6	7.8	8.0	-	8.2	8.4	8.6	-	8.9	9.1	9.4	-	9.4	9.7	10.0	-	10.0	10.2	10.6	-	10.6	10.8	11.2	-
		HI PR	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	415	438	-	426	459	484	-
		LO PR	113	120	131	-	120	127	139	-	124	132	144	-	131	139	152	-	137	146	159	-	142	151	164	-
	875	MBh	25.1	26.0	28.5	-	24.5	25.4	27.9	-	23.9	24.8	27.2	-	23.4	24.2	26.5	-	22.2	23.0	25.2	-	20.6	21.3	23.3	-
		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	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	2.03	2.07	2.13	-	2.17	2.21	2.28	-	2.30	2.34	2.42	-	2.41	2.46	2.54	-	2.51	2.56	2.64	-	2.59	2.64	2.73	-
		AMPS	7.4	7.6	7.8	-	8.0	8.2	8.4	-	8.6	8.8	9.1	-	9.2	9.4	9.7	-	9.7	10.0	10.3	-	10.3	10.5	10.9	-
		HI PR	229	246	260	-	257	276	292	-	292	314	332	-	333	358	378	-	374	403	425	-	413	445	470	-
		LO PR	110	117	128	-	116	123	135	-	121	128	140	-	127	135	147	-	133	141	154	-	137	146	159	-
75	1125	MBh	28.5	29.3	31.8	34.1	27.8	28.7	31.0	33.3	27.2	28.0	30.3	32.5	26.5	27.3	29.5	31.7	25.2	25.9	28.1	30.1	23.3	24.0	26.0	27.9
		S/T	0.90	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	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	19	18	15	10
		KW	2.10	2.14	2.21	2.28	2.25	2.30	2.37	2.44	2.39	2.44	2.51	2.59	2.51	2.56	2.64	2.72	2.61	2.66	2.75	2.84	2.69	2.75	2.84	2.93
		AMPS	7.8	7.9	8.2	8.5	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.9	9.6	9.8	10.1	10.5	10.2	10.4	10.8	11.2	10.8	11.0	11.4	11.8
		HI PR	241	259	273	285	270	291	307	320	307	330	349	364	350	376	397	415	393	423	447	466	435	468	494	515
		LO PR	116	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	140	149	162	173	144	154	168	179
	1000	MBh	27.7	28.5	30.8	33.1	27.0	27.8	30.1	32.3	26.4	27.2	29.4	31.6	25.7	**26.5**	28.7	30.8	24.5	25.2	27.3	29.2	22.7	23.3	25.2	27.1
		S/T	0.86	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	22	20	17	11	22	20	17	12	22	20	17	12	22	**21**	17	12	22	20	17	11	21	19	16	11
		KW	2.09	2.13	2.19	2.26	2.24	2.28	2.35	2.42	2.37	2.42	2.49	2.57	2.49	**2.54**	2.62	2.70	2.59	2.64	2.73	2.81	2.67	2.73	2.82	2.91
		AMPS	7.7	7.9	8.1	8.4	8.3	8.5	8.7	9.0	8.9	9.1	9.4	9.8	9.5	**9.7**	10.1	10.4	10.1	10.3	10.7	11.1	10.7	10.9	11.3	11.7
		HI PR	238	256	271	282	267	288	304	317	304	327	346	360	346	**373**	394	410	390	419	443	462	430	463	489	510
		LO PR	114	122	133	141	121	129	140	149	126	134	146	155	132	**140**	153	163	138	147	161	171	143	152	166	177
	875	MBh	25.5	26.3	28.5	30.5	24.9	25.7	27.8	29.8	24.4	25.1	27.1	29.1	23.8	24.5	26.5	28.4	22.6	23.2	25.2	27.0	20.9	21.5	23.3	25.0
		S/T	0.83	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	0.85	0.64	0.41	0.95	0.85	0.64	0.41
		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	2.04	2.08	2.14	2.21	2.19	2.23	2.30	2.37	2.32	2.36	2.44	2.51	2.43	2.48	2.56	2.64	2.53	2.58	2.66	2.74	2.61	2.66	2.75	2.84
		AMPS	7.5	7.7	7.9	8.2	8.1	8.2	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.1	9.8	10.1	10.4	10.8	10.4	10.6	11.0	11.4
		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	111	118	129	137	117	125	136	145	122	130	141	151	128	136	149	158	134	143	156	166	139	148	161	172

* IDB: 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: *GP1330*M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

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

			Outdoor Ambient Temperature																					
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																					
80	1125	MBh	29.0	29.6	31.7	33.9	28.3	29.0	30.9	33.1	27.7	28.3	30.2	32.3	27.0	27.6	29.5	31.5	25.6	26.2	28.0	29.9	23.7	24.3	25.9	27.7
		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	24	22	20	16	23	23	20	16	23	23	20	16	22	23	20	16	21	21	20	16	19	20	18	15
		KW	2.12	2.16	2.23	2.29	2.27	2.32	2.39	2.46	2.41	2.46	2.53	2.61	2.53	2.58	2.66	2.75	2.63	2.68	2.77	2.86	2.72	2.77	2.86	2.96
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.2	9.1	9.3	9.6	9.9	9.7	9.9	10.2	10.6	10.3	10.5	10.9	11.3	10.9	11.1	11.5	11.9
		HI PR	243	262	276	288	273	294	310	323	310	334	352	368	353	380	401	419	397	428	452	471	439	473	499	520
		LO PR	117	124	136	144	123	131	143	152	128	136	149	158	135	143	156	166	141	150	164	174	146	155	169	180
	1000	MBh	28.2	28.8	30.7	32.9	27.5	28.1	30.0	32.1	26.9	27.4	29.3	31.3	26.2	26.8	**28.6**	30.6	24.9	25.4	27.2	29.0	23.1	23.6	25.2	26.9
		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	24	23	20	16	25	24	21	16	25	24	21	16	24	24	**21**	17	23	23	20	16	21	22	19	15
		KW	2.10	2.15	2.21	2.28	2.26	2.30	2.37	2.44	2.39	2.44	2.51	2.59	2.51	2.56	**2.64**	2.72	2.61	2.66	2.75	2.84	2.69	2.75	2.84	2.93
		AMPS	7.8	7.9	8.2	8.5	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.9	9.6	9.8	**10.1**	10.5	10.2	10.4	10.8	11.2	10.8	11.0	11.4	11.8
		HI PR	241	259	273	285	270	291	307	320	307	331	349	364	350	376	**398**	415	394	423	447	466	435	468	494	515
		LO PR	116	123	134	143	122	130	142	151	127	135	147	157	133	142	**155**	165	140	149	162	173	144	154	168	179
	875	MBh	26.0	26.6	28.4	30.3	25.4	25.9	27.7	29.6	24.8	25.3	27.1	28.9	24.2	24.7	26.4	28.2	23.0	23.5	25.1	26.8	21.3	21.7	23.2	24.8
		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	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	16
		KW	2.06	2.10	2.16	2.22	2.20	2.25	2.32	2.39	2.33	2.38	2.45	2.53	2.45	2.50	2.58	2.66	2.55	2.60	2.68	2.77	2.63	2.69	2.77	2.86
		AMPS	7.6	7.7	8.0	8.2	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.2	9.9	10.2	10.5	10.9	10.5	10.7	11.1	11.5
		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	112	119	130	139	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	168	140	149	163	173
85	1125	MBh	29.5	30.1	31.5	33.6	28.8	29.4	30.8	32.8	28.1	28.7	30.0	32.1	27.5	28.0	29.3	31.3	26.1	26.6	27.8	29.7	24.2	24.6	25.8	27.5
		S/T	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	24	25	23	20	24	24	24	20	23	23	24	20	22	23	24	21	21	22	23	20	20	20	21	19
		KW	2.13	2.18	2.24	2.31	2.29	2.34	2.41	2.48	2.43	2.48	2.55	2.63	2.55	2.60	2.68	2.77	2.65	2.71	2.79	2.88	2.74	2.80	2.89	2.98
		AMPS	7.9	8.1	8.3	8.6	8.5	8.7	8.9	9.3	9.2	9.4	9.7	10.0	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	245	264	279	291	275	296	313	326	313	337	356	371	357	384	405	423	401	432	456	476	444	477	504	526
		LO PR	118	125	137	146	125	132	145	154	129	138	150	160	136	145	158	168	142	152	165	176	147	157	171	182
	1000	MBh	28.7	29.2	30.6	32.6	28.0	28.5	29.9	31.9	27.3	27.9	29.2	31.1	26.7	27.2	28.5	30.4	25.3	25.8	27.0	28.8	23.5	23.9	25.0	26.7
		S/T	0.99	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	26	26	24	21	26	26	25	21	25	26	25	21	25	25	25	21	23	24	24	21	22	22	23	20
		KW	2.12	2.16	2.23	2.29	2.27	2.32	2.39	2.46	2.41	2.46	2.53	2.61	2.53	2.58	2.66	2.75	2.63	2.68	2.77	2.86	2.72	2.77	2.86	2.96
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.2	9.1	9.3	9.6	9.9	9.7	9.9	10.2	10.6	10.3	10.5	10.9	11.3	10.9	11.1	11.5	11.9
		HI PR	243	262	276	288	273	294	310	323	310	334	352	368	353	380	401	419	397	428	452	471	439	473	499	520
		LO PR	117	124	136	144	123	131	143	152	128	136	149	158	135	143	156	166	141	150	164	174	146	155	169	180
	875	MBh	26.4	27.0	28.2	30.1	25.8	26.3	27.6	29.4	25.2	25.7	26.9	28.7	24.6	25.1	26.3	28.0	23.4	23.8	25.0	26.6	21.7	22.1	23.1	24.7
		S/T	0.95	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	27	26	25	21	27	26	25	22	26	26	25	22	26	26	25	22	25	25	25	21	23	23	23	20
		KW	2.07	2.11	2.17	2.24	2.22	2.27	2.33	2.41	2.35	2.40	2.47	2.55	2.47	2.52	2.60	2.68	2.57	2.62	2.70	2.79	2.65	2.71	2.79	2.88
		AMPS	7.6	7.8	8.0	8.3	8.2	8.4	8.6	8.9	8.9	9.1	9.3	9.7	9.4	9.7	10.0	10.3	10.0	10.2	10.6	11.0	10.6	10.8	11.2	11.6
		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	113	120	131	140	120	127	139	148	124	132	144	154	131	139	152	161	137	146	159	169	141	151	164	175

* NOTE: Shaded area reflects AHRI 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)

MODEL: *PG1336*M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling,10 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 6 °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	1350	MBh	35.1	36.4	39.8	-	34.3	35.5	38.9	-	33.4	34.7	38.0	-	32.6	33.8	37.1	-	31.0	32.1	35.2	-	28.7	29.8	32.6	-
		S/T	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.83	0.69	0.48	-	0.86	0.71	0.49	-	0.89	0.74	0.51	-	0.90	0.75	0.52	-
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-
		KW	2.57	2.62	2.70	-	2.76	2.82	2.90	-	2.93	2.99	3.08	-	3.07	3.14	3.24	-	3.20	3.27	3.37	-	3.31	3.38	3.49	-
		AMPS	11.1	11.3	11.6	-	11.8	12.1	12.4	-	12.7	12.9	13.3	-	13.4	13.7	14.1	-	14.1	14.4	14.9	-	14.9	15.2	15.6	-
		HI PR	249	268	283	-	280	301	318	-	318	343	362	-	363	390	412	-	408	439	463	-	451	485	512	-
		LO PR	111	119	129	-	118	125	137	-	122	130	142	-	129	137	149	-	135	143	156	-	139	148	162	-
	1200	MBh	34.1	35.3	38.7	-	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.8	36.0	-	30.1	31.2	34.2	-	27.9	28.9	31.7	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.85	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	2.55	2.60	2.68	-	2.74	2.80	2.88	-	2.90	2.97	3.06	-	3.05	3.11	3.21	-	3.17	3.24	3.35	-	3.28	3.35	3.46	-
		AMPS	11.0	11.2	11.5	-	11.7	12.0	12.3	-	12.6	12.8	13.2	-	13.3	13.6	14.0	-	14.0	14.3	14.7	-	14.8	15.1	15.5	-
		HI PR	247	266	281	-	277	298	315	-	315	339	358	-	359	386	408	-	404	435	459	-	446	480	507	-
		LO PR	110	117	128	-	117	124	135	-	121	129	141	-	127	135	148	-	133	142	155	-	138	147	160	-
	1050	MBh	31.4	32.6	35.7	-	30.7	31.8	34.9	-	30.0	31.1	34.0	-	29.2	30.3	33.2	-	27.8	28.8	31.5	-	25.7	26.7	29.2	-
		S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-
		KW	2.49	2.54	2.62	-	2.68	2.73	2.81	-	2.84	2.89	2.98	-	2.98	3.04	3.14	-	3.10	3.16	3.26	-	3.20	3.27	3.37	-
		AMPS	10.8	11.0	11.3	-	11.5	11.7	12.0	-	12.3	12.5	12.9	-	13.0	13.3	13.6	-	13.7	14.0	14.4	-	14.4	14.7	15.1	-
		HI PR	240	258	272	-	269	289	305	-	306	329	347	-	348	375	396	-	392	422	445	-	433	466	492	-
		LO PR	107	114	124	-	113	120	131	-	118	125	136	-	123	131	143	-	129	138	150	-	134	142	155	-
75	1350	MBh	35.7	36.7	39.8	42.7	34.8	35.9	38.8	41.7	34.0	35.0	37.9	40.7	33.2	34.2	37.0	39.7	31.5	32.5	35.1	37.7	29.2	30.1	32.5	34.9
		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	22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	21	20	16	11	20	19	15	11
		KW	2.59	2.64	2.72	2.81	2.78	2.84	2.93	3.02	2.95	3.01	3.11	3.21	3.10	3.17	3.27	3.37	3.23	3.29	3.40	3.51	3.33	3.41	3.52	3.63
		AMPS	11.2	11.4	11.7	12.1	11.9	12.2	12.5	12.9	12.8	13.0	13.4	13.8	13.5	13.8	14.2	14.7	14.3	14.6	15.0	15.5	15.0	15.3	15.8	16.3
		HI PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	540
		LO PR	113	120	131	139	119	127	138	147	124	131	144	153	130	138	151	161	136	145	158	168	141	150	163	174
	1200	MBh	34.6	35.7	38.6	41.4	33.8	34.8	37.7	40.5	33.0	34.0	36.8	39.5	32.2	**33.2**	35.9	38.5	30.6	31.5	34.1	36.6	28.4	29.2	31.6	33.9
		S/T	0.85	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	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	19	16	11
		KW	2.57	2.62	2.70	2.79	2.76	2.82	2.90	3.00	2.93	2.99	3.08	3.18	3.07	**3.14**	3.24	3.34	3.20	3.27	3.37	3.48	3.31	3.38	3.49	3.60
		AMPS	11.1	11.3	11.6	12.0	11.8	12.1	12.4	12.8	12.7	12.9	13.3	13.7	13.4	**13.7**	14.1	14.5	14.2	14.5	14.9	15.4	14.9	15.2	15.6	16.2
		HI PR	249	268	283	296	280	301	318	332	318	343	362	377	363	**390**	412	430	408	439	464	483	451	485	512	534
		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
	1050	MBh	32.0	32.9	35.6	38.2	31.2	32.2	34.8	37.3	30.5	31.4	34.0	36.5	29.7	30.6	33.1	35.6	28.3	29.1	31.5	33.8	26.2	26.9	29.2	31.3
		S/T	0.82	0.73	0.55	0.35	0.84	0.76	0.57	0.37	0.87	0.77	0.59	0.38	0.89	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	21	18	12	23	21	17	12	21	20	16	11
		KW	2.51	2.56	2.64	2.72	2.70	2.75	2.84	2.92	2.86	2.92	3.01	3.10	3.00	3.06	3.16	3.26	3.12	3.19	3.29	3.40	3.23	3.30	3.40	3.51
		AMPS	10.8	11.1	11.4	11.7	11.6	11.8	12.1	12.5	12.4	12.6	13.0	13.4	13.1	13.4	13.8	14.2	13.8	14.1	14.5	15.0	14.5	14.8	15.3	15.8
		HI PR	242	260	275	287	272	292	309	322	309	332	351	366	352	378	400	417	396	426	450	469	437	470	497	518
		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

* IDB: 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: *PG1336*M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling,10 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 6 °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
80	1350	MBh	36.3	37.1	39.6	42.4	35.5	36.2	38.7	41.4	34.6	35.4	37.8	40.4	33.8	34.5	36.9	39.4	32.1	32.8	35.0	37.4	29.7	30.4	32.4	34.7
		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	25	23	20	16	24	23	20	16	24	23	20	16	23	24	20	16	22	22	20	16	20	21	19	15
		KW	2.61	2.66	2.74	2.83	2.80	2.86	2.95	3.04	2.97	3.04	3.13	3.23	3.12	3.19	3.29	3.40	3.25	3.32	3.43	3.54	3.36	3.44	3.55	3.66
		AMPS	11.3	11.5	11.8	12.2	12.0	12.3	12.6	13.0	12.9	13.1	13.5	13.9	13.6	13.9	14.3	14.8	14.4	14.7	15.1	15.6	15.1	15.4	15.9	16.4
		HI PR	255	274	289	302	286	307	325	338	325	350	369	385	370	398	420	438	416	448	473	493	460	495	523	545
		LO PR	114	121	132	141	120	128	140	149	125	133	145	154	131	140	152	162	137	146	160	170	142	151	165	176
	1200	MBh	35.3	36.0	38.5	41.1	34.4	35.2	37.6	40.2	33.6	34.3	36.7	39.2	32.8	33.5	**35.8**	38.3	31.2	31.8	34.0	36.4	28.9	29.5	31.5	33.7
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.92	0.75	0.56	1.00	0.95	**0.78**	0.58	1.00	0.99	0.81	0.60	1.00	1.00	0.81	0.61
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	**21**	17	24	24	21	17	22	23	20	16
		KW	2.59	2.64	2.72	2.81	2.78	2.84	2.93	3.02	2.95	3.01	3.11	3.21	3.10	3.17	**3.27**	3.37	3.23	3.30	3.40	3.51	3.33	3.41	3.52	3.63
		AMPS	11.2	11.4	11.7	12.1	11.9	12.2	12.5	12.9	12.8	13.0	13.4	13.8	13.5	13.8	**14.2**	14.7	14.3	14.6	15.0	15.5	15.0	15.3	15.8	16.3
		HI PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	**416**	434	412	443	468	488	455	490	517	540
		LO PR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	**151**	161	136	145	158	168	141	150	163	174
	1050	MBh	32.5	33.2	35.5	38.0	31.8	32.5	34.7	37.1	31.0	31.7	33.9	36.2	30.3	30.9	33.0	35.3	28.8	29.4	31.4	33.6	26.6	27.2	29.1	31.1
		S/T	0.89	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	1.02	0.95	0.78	0.58	1.03	0.96	0.78	0.59
		Delta T	25	24	21	17	26	25	21	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16
		KW	2.53	2.58	2.66	2.74	2.72	2.77	2.86	2.95	2.88	2.94	3.03	3.13	3.03	3.09	3.19	3.29	3.15	3.22	3.32	3.43	3.25	3.32	3.43	3.54
		AMPS	10.9	11.1	11.4	11.8	11.6	11.9	12.2	12.6	12.5	12.7	13.1	13.5	13.2	13.5	13.9	14.3	13.9	14.2	14.6	15.1	14.6	14.9	15.4	15.9
		HI PR	244	263	278	290	274	295	312	325	312	336	354	370	355	382	404	421	400	430	454	474	442	475	502	523
		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
85	1350	MBh	36.9	37.7	39.4	42.1	36.1	36.8	38.5	41.1	35.2	35.9	37.6	40.1	34.4	35.0	36.7	39.1	32.6	33.3	34.9	37.2	30.2	30.8	32.3	34.4
		S/T	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.94	0.77	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	25	25	24	21	25	25	24	21	24	24	24	21	23	24	24	21	22	23	24	21	21	21	22	19
		KW	2.63	2.68	2.77	2.85	2.83	2.88	2.97	3.07	3.00	3.06	3.16	3.26	3.15	3.22	3.32	3.43	3.28	3.35	3.46	3.57	3.39	3.46	3.58	3.69
		AMPS	11.3	11.6	11.9	12.2	12.1	12.3	12.7	13.1	13.0	13.2	13.6	14.1	13.7	14.0	14.4	14.9	14.5	14.8	15.2	15.7	15.2	15.6	16.0	16.6
		HI PR	257	277	292	305	288	310	328	342	328	353	373	389	374	402	425	443	420	452	478	498	464	500	528	550
		LO PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	154	164	139	148	161	172	144	153	167	178
	1200	MBh	35.9	36.6	38.3	40.9	35.0	35.7	37.4	39.9	34.2	34.9	36.5	39.0	33.4	34.0	35.6	38.0	31.7	32.3	33.8	36.1	29.4	29.9	31.3	33.4
		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	27	26	25	21	27	27	25	22	26	27	25	22	26	26	25	22	24	25	25	22	22	23	23	20
		KW	2.61	2.66	2.74	2.83	2.80	2.86	2.95	3.04	2.97	3.04	3.13	3.23	3.12	3.19	3.29	3.40	3.25	3.32	3.43	3.54	3.36	3.44	3.55	3.66
		AMPS	11.3	11.5	11.8	12.2	12.0	12.3	12.6	13.0	12.9	13.1	13.5	13.9	13.6	13.9	14.3	14.8	14.4	14.7	15.1	15.6	15.1	15.4	15.9	16.4
		HI PR	255	274	289	302	286	307	325	338	325	350	369	385	370	398	420	438	416	448	473	493	460	495	523	545
		LO PR	114	121	132	141	120	128	140	149	125	133	145	154	131	140	152	162	137	146	160	170	142	151	165	176
	1050	MBh	33.1	33.7	35.3	37.7	32.3	33.0	34.5	36.8	31.6	32.2	33.7	36.0	30.8	31.4	32.9	35.1	29.3	29.8	31.2	33.3	27.1	27.6	28.9	30.9
		S/T	0.94	0.90	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76
		Delta T	27	27	25	22	27	27	26	22	28	27	26	22	27	27	26	22	26	26	25	22	24	24	24	21
		KW	2.55	2.60	2.68	2.76	2.74	2.79	2.88	2.97	2.90	2.96	3.06	3.15	3.05	3.11	3.21	3.32	3.17	3.24	3.34	3.45	3.28	3.35	3.46	3.57
		AMPS	11.0	11.2	11.5	11.9	11.7	12.0	12.3	12.7	12.6	12.8	13.2	13.6	13.3	13.6	14.0	14.4	14.0	14.3	14.7	15.2	14.8	15.1	15.5	16.0
		HI PR	247	266	281	293	277	298	315	328	315	339	358	373	359	386	408	425	404	434	459	478	446	480	507	529
		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

* NOTE: Shaded area reflects AHRI 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)

MODEL: *PG1342***M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 10 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 9 °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	1440	MBh	39.7	41.1	45.1	-	38.8	40.2	44.0	-	37.8	39.2	43.0	-	36.9	38.3	41.9	-	35.1	36.4	39.8	-	32.5	33.7	36.9	-
		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	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	2.93	2.99	3.07	-	3.13	3.20	3.29	-	3.32	3.38	3.48	-	3.47	3.55	3.65	-	3.61	3.69	3.80	-	3.73	3.81	3.92	-
		AMPS	12.6	12.9	13.2	-	13.5	13.7	14.1	-	14.4	14.7	15.1	-	15.3	15.6	16.0	-	16.1	16.5	16.9	-	16.9	17.3	17.8	-
		HI PR	237	255	269	-	266	286	302	-	302	325	343	-	344	370	391	-	387	417	440	-	428	460	486	-
		LO PR	113	120	131	-	119	127	138	-	124	132	144	-	130	138	151	-	136	145	158	-	141	150	164	-
	1280	MBh	38.5	39.9	43.8	-	37.6	39.0	42.7	-	36.7	38.1	41.7	-	35.8	37.1	40.7	-	34.1	35.3	38.7	-	31.5	32.7	35.8	-
		S/T	0.73	0.61	0.42	-	0.76	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	20	17	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		KW	2.91	2.96	3.05	-	3.11	3.17	3.27	-	3.29	3.36	3.46	-	3.45	3.52	3.63	-	3.58	3.66	3.77	-	3.70	3.78	3.89	-
		AMPS	12.5	12.8	13.1	-	13.4	13.6	14.0	-	14.3	14.6	15.0	-	15.2	15.5	15.9	-	16.0	16.3	16.8	-	16.8	17.2	17.7	-
		HI PR	234	252	266	-	263	283	299	-	299	322	340	-	341	367	387	-	383	413	436	-	424	456	481	-
		LO PR	112	119	130	-	118	125	137	-	122	130	142	-	129	137	149	-	135	143	157	-	139	148	162	-
	1125	MBh	35.6	36.9	40.4	-	34.7	36.0	39.4	-	33.9	35.1	38.5	-	33.1	34.3	37.6	-	31.4	32.6	35.7	-	29.1	30.2	33.1	-
		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	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		KW	2.85	2.90	2.98	-	3.04	3.10	3.19	-	3.22	3.28	3.38	-	3.37	3.44	3.54	-	3.50	3.57	3.68	-	3.61	3.69	3.80	-
		AMPS	12.3	12.5	12.8	-	13.1	13.3	13.7	-	14.0	14.3	14.7	-	14.8	15.1	15.5	-	15.6	15.9	16.4	-	16.4	16.8	17.2	-
		HI PR	227	245	258	-	255	275	290	-	290	312	330	-	331	356	376	-	372	400	423	-	411	442	467	-
		LO PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-
75	1440	MBh	40.4	41.6	45.0	48.3	39.4	40.6	43.9	47.2	38.5	39.6	42.9	46.0	37.5	38.7	41.8	44.9	35.7	36.7	39.7	42.7	33.0	34.0	36.8	39.5
		S/T	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.92	0.83	0.62	0.40	0.95	0.85	0.65	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.68	0.43
		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	2.95	3.01	3.09	3.19	3.16	3.22	3.32	3.42	3.34	3.41	3.51	3.62	3.50	3.57	3.68	3.80	3.64	3.71	3.83	3.95	3.76	3.84	3.96	4.08
		AMPS	12.7	13.0	13.3	13.7	13.6	13.8	14.2	14.7	14.6	14.9	15.3	15.8	15.4	15.7	16.2	16.7	16.2	16.6	17.1	17.6	17.1	17.5	18.0	18.6
		HI PR	239	257	272	283	268	289	305	318	305	328	347	362	348	374	395	412	391	421	444	464	432	465	491	512
		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
	1280	MBh	39.2	40.3	43.7	46.9	38.3	39.4	42.7	45.8	37.4	38.5	41.6	44.7	36.5	**37.5**	40.6	43.6	34.6	35.7	38.6	41.4	32.1	33.0	35.7	38.4
		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**	0.62	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		Delta T	23	21	18	12	24	22	18	12	24	22	18	12	24	**22**	18	12	23	22	18	12	22	20	17	11
		KW	2.93	2.99	3.07	3.16	3.14	3.20	3.29	3.39	3.32	3.38	3.48	3.59	3.48	**3.55**	3.65	3.77	3.61	3.69	3.80	3.92	3.73	3.81	3.92	4.05
		AMPS	12.6	12.9	13.2	13.6	13.5	13.7	14.1	14.6	14.4	14.7	15.2	15.6	15.3	**15.6**	16.0	16.6	16.1	16.5	16.9	17.5	16.9	17.3	17.8	18.4
		HI PR	237	255	269	281	266	286	302	315	302	325	343	358	344	**370**	391	408	387	417	440	459	428	460	486	507
		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
	1125	MBh	36.2	37.2	40.3	43.3	35.3	36.4	39.4	42.3	34.5	35.5	38.4	41.2	33.6	34.6	37.5	40.2	32.0	32.9	35.6	38.2	29.6	30.5	33.0	35.4
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	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	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	13	24	22	18	12	22	20	17	12
		KW	2.87	2.92	3.00	3.09	3.07	3.13	3.22	3.31	3.24	3.31	3.40	3.51	3.40	3.46	3.57	3.68	3.53	3.60	3.71	3.83	3.64	3.72	3.83	3.95
		AMPS	12.3	12.6	12.9	13.3	13.2	13.4	13.8	14.2	14.1	14.4	14.8	15.3	14.9	15.2	15.7	16.2	15.7	16.1	16.5	17.1	16.5	16.9	17.4	18.0
		HI PR	230	247	261	272	258	277	293	306	293	315	333	347	334	359	379	396	376	404	427	445	415	447	472	492
		LO PR	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169

* IDB: 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: *PG1342*M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 10 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 9 °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
80	1440	MBh	41.1	42.0	44.8	47.9	40.1	41.0	43.8	46.8	39.2	40.0	42.8	45.7	38.2	39.0	41.7	44.6	36.3	37.1	39.6	42.4	33.6	34.4	36.7	39.2
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		Delta T	25	24	21	17	26	24	21	17	25	24	21	17	24	25	21	17	23	24	21	17	21	22	20	16
		KW	2.97	3.03	3.12	3.21	3.18	3.24	3.34	3.44	3.37	3.43	3.54	3.65	3.53	3.60	3.71	3.83	3.67	3.74	3.86	3.98	3.79	3.87	3.99	4.11
		AMPS	12.8	13.1	13.4	13.8	13.7	13.9	14.3	14.8	14.7	15.0	15.4	15.9	15.5	15.8	16.3	16.8	16.4	16.7	17.2	17.8	17.2	17.6	18.1	18.7
		HI PR	242	260	275	286	271	292	308	321	308	332	350	365	351	378	399	416	395	425	449	468	436	470	496	517
		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
	1280	MBh	39.9	40.8	43.5	46.5	39.0	39.8	42.5	45.5	38.0	38.9	41.5	44.4	37.1	37.9	**40.5**	43.3	35.2	36.0	38.5	41.1	32.6	33.4	35.6	38.1
		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	0.93	**0.76**	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60
		Delta T	26	25	22	17	26	25	22	18	26	25	22	18	27	25	**22**	18	25	25	22	17	23	23	20	16
		KW	2.95	3.01	3.10	3.19	3.16	3.22	3.32	3.42	3.34	3.41	3.51	3.62	3.50	3.57	**3.68**	3.80	3.64	3.71	3.83	3.95	3.76	3.84	3.96	4.08
		AMPS	12.7	13.0	13.3	13.7	13.6	13.8	14.2	14.7	14.6	14.9	15.3	15.8	15.4	15.7	**16.2**	16.7	16.2	16.6	17.1	17.6	17.1	17.5	18.0	18.6
		HI PR	239	257	272	284	268	289	305	318	305	329	347	362	348	374	**395**	412	391	421	444	464	432	465	491	512
		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
	1125	MBh	36.8	37.6	40.2	43.0	36.0	36.7	39.3	42.0	35.1	35.9	38.3	41.0	34.2	35.0	37.4	40.0	32.5	33.2	35.5	38.0	30.1	30.8	32.9	35.2
		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	1.01	0.94	0.77	0.57
		Delta T	26	25	22	18	27	26	22	18	27	26	22	18	27	26	22	18	27	25	22	18	25	24	21	16
		KW	2.89	2.94	3.03	3.12	3.09	3.15	3.24	3.34	3.27	3.33	3.43	3.53	3.42	3.49	3.60	3.71	3.55	3.63	3.74	3.86	3.67	3.75	3.86	3.98
		AMPS	12.4	12.7	13.0	13.4	13.3	13.5	13.9	14.3	14.2	14.5	14.9	15.4	15.0	15.3	15.8	16.3	15.9	16.2	16.7	17.2	16.7	17.0	17.5	18.1
		HI PR	232	250	264	275	260	280	296	309	296	319	336	351	337	363	383	400	379	408	431	450	419	451	476	497
		LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	171
85	1440	MBh	41.8	42.6	44.6	47.6	40.8	41.6	43.6	46.5	39.9	40.6	42.5	45.4	38.9	39.6	41.5	44.3	36.9	37.6	39.4	42.1	34.2	34.9	36.5	39.0
		S/T	1.00	0.96	0.87	0.71	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	27	26	25	21	26	27	25	22	25	26	25	22	25	25	25	22	24	24	25	22	22	22	23	20
		KW	2.99	3.05	3.14	3.23	3.21	3.27	3.37	3.47	3.39	3.46	3.57	3.68	3.56	3.63	3.74	3.86	3.70	3.77	3.89	4.01	3.82	3.90	4.02	4.15
		AMPS	12.9	13.2	13.5	13.9	13.8	14.1	14.4	14.9	14.8	15.1	15.5	16.0	15.6	16.0	16.4	17.0	16.5	16.9	17.4	17.9	17.4	17.7	18.3	18.9
		HI PR	244	263	277	289	274	295	311	325	311	335	354	369	355	382	403	420	399	429	453	473	441	474	501	523
		LO PR	116	124	135	144	123	130	142	152	127	136	148	158	134	142	156	166	140	149	163	174	145	154	169	180
	1280	MBh	40.6	41.4	43.3	46.2	39.6	40.4	42.3	45.1	38.7	39.4	41.3	44.1	37.7	38.5	40.3	43.0	35.9	36.6	38.3	40.8	33.2	33.9	35.5	37.8
		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	0.94	0.77	1.00	1.00	0.95	0.77
		Delta T	28	27	26	22	28	28	26	23	28	28	26	23	27	28	26	23	26	26	26	22	24	24	24	21
		KW	2.97	3.03	3.12	3.21	3.18	3.24	3.34	3.44	3.37	3.43	3.54	3.65	3.53	3.60	3.71	3.83	3.67	3.74	3.86	3.98	3.79	3.87	3.99	4.11
		AMPS	12.8	13.1	13.4	13.8	13.7	13.9	14.3	14.8	14.7	15.0	15.4	15.9	15.5	15.8	16.3	16.8	16.4	16.7	17.2	17.8	17.2	17.6	18.1	18.7
		HI PR	242	260	275	286	271	292	308	321	308	332	350	365	351	378	399	416	395	425	449	468	436	470	496	517
		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
	1125	MBh	37.5	38.2	40.0	42.7	36.6	37.3	39.1	41.7	35.7	36.4	38.1	40.7	34.8	35.5	37.2	39.7	33.1	33.7	35.3	37.7	30.7	31.3	32.7	34.9
		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	0.74
		Delta T	28	28	26	23	28	28	26	23	28	28	26	23	28	28	27	23	27	28	26	23	25	26	25	21
		KW	2.91	2.96	3.05	3.14	3.11	3.17	3.27	3.36	3.29	3.36	3.46	3.56	3.45	3.52	3.62	3.74	3.58	3.66	3.77	3.89	3.70	3.77	3.89	4.01
		AMPS	12.5	12.8	13.1	13.5	13.4	13.6	14.0	14.4	14.3	14.6	15.0	15.5	15.2	15.5	15.9	16.4	16.0	16.3	16.8	17.4	16.8	17.2	17.7	18.3
		HI PR	234	252	266	278	263	283	299	312	299	322	340	354	341	367	387	404	383	412	435	454	423	456	481	502
		LO PR	111	119	129	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	157	167	139	148	162	172

* NOTE: Shaded area reflects AHRI 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)

MODEL: *PG1348*M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 12 °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	1700	MBh	45.4	47.0	51.5	-	44.3	45.9	50.3	-	43.3	44.9	49.1	-	42.2	43.8	47.9	-	40.1	41.6	45.5	-	37.2	38.5	42.2	-
		S/T	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.83	0.69	0.48	-	0.86	0.71	0.50	-	0.89	0.74	0.51	-	0.90	0.75	0.52	-
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	3.28	3.34	3.44	-	3.51	3.58	3.68	-	3.71	3.79	3.90	-	3.89	3.97	4.09	-	4.04	4.13	4.25	-	4.17	4.26	4.39	-
		AMPS	15.9	16.2	16.6	-	16.9	17.2	17.6	-	17.9	18.3	18.7	-	18.9	19.2	19.7	-	19.8	20.2	20.7	-	20.7	21.1	21.7	-
		HI PR	241	259	274	-	270	291	307	-	308	331	349	-	350	377	398	-	394	424	448	-	435	468	495	-
		LO PR	115	123	134	-	122	129	141	-	126	135	147	-	133	141	154	-	139	148	162	-	144	153	167	-
	1520	MBh	44.7	46.3	50.8	-	43.7	45.3	49.6	-	42.6	44.2	48.4	-	41.6	43.1	47.2	-	39.5	41.0	44.9	-	36.6	37.9	41.6	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		Delta T	20	17	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		KW	3.26	3.32	3.42	-	3.49	3.56	3.66	-	3.69	3.77	3.88	-	3.87	3.95	4.07	-	4.02	4.10	4.23	-	4.15	4.24	4.37	-
		AMPS	15.9	16.1	16.5	-	16.8	17.1	17.5	-	17.9	18.2	18.6	-	18.8	19.1	19.6	-	19.7	20.1	20.6	-	20.6	21.0	21.6	-
		HI PR	239	258	272	-	269	289	305	-	305	329	347	-	348	374	395	-	391	421	445	-	432	465	491	-
		LO PR	114	122	133	-	121	129	140	-	126	134	146	-	132	140	153	-	138	147	161	-	143	152	166	-
	1330	MBh	41.3	42.8	46.9	-	40.3	41.8	45.8	-	39.4	40.8	44.7	-	38.4	39.8	43.6	-	36.5	37.8	41.4	-	33.8	35.0	38.4	-
		S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.47	-	0.83	0.69	0.48	-
		Delta T	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		KW	3.19	3.25	3.34	-	3.41	3.48	3.58	-	3.61	3.68	3.79	-	3.78	3.86	3.97	-	3.93	4.01	4.13	-	4.05	4.14	4.26	-
		AMPS	15.5	15.8	16.2	-	16.4	16.7	17.1	-	17.5	17.8	18.3	-	18.4	18.7	19.2	-	19.3	19.7	20.2	-	20.2	20.6	21.1	-
		HI PR	232	250	264	-	260	280	296	-	296	319	337	-	337	363	383	-	380	408	431	-	419	451	477	-
		LO PR	111	118	129	-	117	125	136	-	122	130	141	-	128	136	149	-	134	143	156	-	139	148	161	-
75	1700	MBh	46.2	47.5	51.4	55.2	45.1	46.4	50.2	53.9	44.0	45.3	49.0	52.6	42.9	44.2	47.8	51.4	40.8	42.0	45.5	48.8	37.8	38.9	42.1	45.2
		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	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	21	17	12	20	19	16	11
		KW	3.30	3.37	3.46	3.57	3.53	3.60	3.71	3.82	3.74	3.82	3.93	4.05	3.92	4.00	4.12	4.25	4.07	4.16	4.29	4.42	4.21	4.29	4.43	4.57
		AMPS	16.0	16.3	16.7	17.2	17.0	17.3	17.7	18.2	18.1	18.4	18.9	19.4	19.0	19.4	19.9	20.5	20.0	20.3	20.9	21.5	20.9	21.3	21.9	22.6
		HI PR	243	262	277	289	273	294	310	324	311	334	353	368	354	381	402	419	398	428	452	472	440	473	500	521
		LO PR	116	124	135	144	123	131	143	152	128	136	148	158	134	143	156	166	141	150	163	174	145	155	169	180
	1520	MBh	45.5	46.8	50.7	54.4	44.4	45.7	49.5	53.1	43.4	44.6	48.3	51.9	42.3	**43.6**	47.1	50.6	40.2	41.4	44.8	48.1	37.2	38.3	41.5	44.5
		S/T	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	**0.83**	0.63	0.41	0.97	0.87	0.65	0.42	0.98	0.87	0.66	0.42
		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	3.29	3.35	3.45	3.55	3.52	3.59	3.69	3.80	3.72	3.79	3.91	4.03	3.90	**3.98**	4.10	4.23	4.05	4.14	4.26	4.40	4.18	4.27	4.40	4.54
		AMPS	16.0	16.2	16.6	17.1	16.9	17.2	17.6	18.1	18.0	18.3	18.8	19.3	18.9	**19.3**	19.8	20.4	19.9	20.2	20.8	21.4	20.8	21.2	21.8	22.4
		HI PR	242	260	275	287	271	292	308	321	308	332	351	366	351	**378**	399	416	395	425	449	468	437	470	496	518
		LO PR	116	123	134	143	122	130	142	151	127	135	147	157	133	**142**	155	165	140	149	162	173	144	154	168	179
	1330	MBh	42.0	43.2	46.8	50.2	41.0	42.2	45.7	49.0	40.0	41.2	44.6	47.9	39.0	40.2	43.5	46.7	37.1	38.2	41.3	44.4	34.4	35.4	38.3	41.1
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.41	0.94	0.84	0.64	0.41
		Delta T	24	22	18	12	24	22	18	13	24	22	18	13	24	22	18	13	24	22	18	12	22	21	17	12
		KW	3.21	3.28	3.37	3.47	3.44	3.51	3.61	3.72	3.64	3.71	3.82	3.94	3.81	3.89	4.00	4.13	3.96	4.04	4.16	4.29	4.09	4.17	4.30	4.43
		AMPS	15.6	15.9	16.3	16.7	16.6	16.8	17.3	17.7	17.6	17.9	18.4	18.9	18.5	18.9	19.4	19.9	19.4	19.8	20.3	20.9	20.3	20.7	21.3	21.9
		HI PR	234	252	266	278	263	283	299	312	299	322	340	355	341	367	387	404	383	413	436	454	424	456	481	502
		LO PR	112	119	130	139	118	126	138	146	123	131	143	152	129	138	150	160	135	144	157	168	140	149	163	173

* NOTE: Shaded area is ACCA (TVA) 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)

MODEL: *PG1348*M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 12 °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
80	1700	MBh	47.0	48.0	51.3	54.8	45.9	46.9	50.1	53.5	44.8	45.8	48.9	52.3	43.7	44.7	47.7	51.0	41.5	42.4	45.3	48.4	38.5	39.3	42.0	44.9
		S/T	0.97	0.91	0.74	0.56	1.00	0.95	0.77	0.58	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.85	0.63	1.00	1.00	0.85	0.64
		Delta T	25	24	21	16	25	24	21	17	24	24	21	17	24	24	21	17	22	23	21	17	21	21	19	15
		KW	3.33	3.39	3.49	3.59	3.56	3.63	3.74	3.85	3.77	3.84	3.96	4.08	3.95	4.03	4.16	4.29	4.11	4.19	4.32	4.46	4.24	4.33	4.46	4.61
		AMPS	16.1	16.4	16.8	17.3	17.1	17.4	17.8	18.3	18.2	18.5	19.0	19.6	19.2	19.5	20.0	20.6	20.1	20.5	21.0	21.7	21.1	21.5	22.0	22.7
		HI PR	246	265	279	291	276	297	314	327	314	338	357	372	357	385	406	424	402	433	457	477	444	478	505	527
		LO PR	118	125	137	145	124	132	144	154	129	137	150	160	136	144	157	168	142	151	165	176	147	156	171	182
	1520	MBh	46.3	47.3	50.5	54.0	45.2	46.2	49.4	52.8	44.1	45.1	48.2	51.5	43.1	44.0	**47.0**	50.2	40.9	41.8	44.7	47.7	37.9	38.7	41.4	44.2
		S/T	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.99	0.93	0.76	0.56	1.00	0.96	**0.78**	0.58	1.00	0.99	0.81	0.61	1.00	1.00	0.82	0.61
		Delta T	26	25	22	17	26	25	22	18	26	25	22	18	26	26	**22**	18	25	25	22	17	23	23	20	16
		KW	3.31	3.37	3.47	3.57	3.54	3.61	3.72	3.83	3.75	3.82	3.94	4.06	3.93	4.01	**4.13**	4.26	4.08	4.17	4.30	4.43	4.22	4.31	4.44	4.58
		AMPS	16.1	16.3	16.7	17.2	17.0	17.3	17.7	18.2	18.1	18.4	18.9	19.5	19.1	19.4	**19.9**	20.5	20.0	20.4	20.9	21.6	20.9	21.4	21.9	22.6
		HI PR	244	263	277	289	274	295	311	325	312	335	354	369	355	382	**403**	421	399	430	454	473	441	475	501	523
		LO PR	117	124	136	144	123	131	143	153	128	136	149	159	135	143	**156**	167	141	150	164	175	146	155	169	180
	1330	MBh	42.7	43.6	46.6	49.9	41.7	42.6	45.6	48.7	40.7	41.6	44.5	47.5	39.7	40.6	43.4	46.4	37.8	38.6	41.2	44.1	35.0	35.7	38.2	40.8
		S/T	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.92	0.75	0.56	1.02	0.96	0.78	0.58	1.03	0.97	0.79	0.59
		Delta T	27	25	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17
		KW	3.24	3.30	3.39	3.49	3.46	3.53	3.64	3.74	3.66	3.74	3.85	3.97	3.84	3.92	4.04	4.16	3.99	4.07	4.20	4.33	4.12	4.20	4.33	4.47
		AMPS	15.7	16.0	16.4	16.8	16.7	17.0	17.4	17.9	17.7	18.1	18.5	19.0	18.7	19.0	19.5	20.1	19.6	19.9	20.5	21.1	20.5	20.9	21.4	22.1
		HI PR	237	255	269	281	266	286	302	315	302	325	343	358	344	370	391	408	387	417	440	459	428	460	486	507
		LO PR	113	120	131	140	120	127	139	148	124	132	144	154	131	139	152	162	137	146	159	169	142	151	164	175
85	1700	MBh	47.8	48.7	51.0	54.4	46.7	47.6	49.8	53.2	45.6	46.5	48.7	51.9	44.5	45.3	47.5	50.6	42.2	43.1	45.1	48.1	39.1	39.9	41.8	44.6
		S/T	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.94	0.77	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	26	26	25	21	25	26	25	21	25	25	25	21	24	25	25	22	23	23	24	21	21	22	23	20
		KW	3.35	3.42	3.52	3.62	3.59	3.66	3.77	3.88	3.80	3.87	3.99	4.11	3.98	4.06	4.19	4.32	4.14	4.22	4.36	4.49	4.27	4.36	4.50	4.64
		AMPS	16.2	16.5	16.9	17.4	17.2	17.5	18.0	18.5	18.3	18.7	19.1	19.7	19.3	19.7	20.2	20.8	20.3	20.6	21.2	21.8	21.2	21.6	22.2	22.9
		HI PR	248	267	282	294	279	300	317	330	317	341	360	376	361	388	410	428	406	437	461	481	449	483	510	532
		LO PR	119	126	138	147	125	133	146	155	130	139	151	161	137	146	159	169	143	153	167	177	148	158	172	184
	1520	MBh	47.1	48.0	50.3	53.6	46.0	46.9	49.1	52.4	44.9	45.8	47.9	51.1	43.8	44.7	46.8	49.9	41.6	42.4	44.4	47.4	38.5	39.3	41.2	43.9
		S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79
		Delta T	28	27	26	22	28	28	26	23	27	28	26	23	26	27	26	23	25	26	26	23	23	24	24	21
		KW	3.33	3.40	3.50	3.60	3.57	3.64	3.75	3.86	3.78	3.85	3.97	4.09	3.96	4.04	4.17	4.30	4.12	4.20	4.33	4.47	4.25	4.34	4.47	4.62
		AMPS	16.2	16.5	16.8	17.3	17.1	17.4	17.9	18.4	18.2	18.6	19.0	19.6	19.2	19.6	20.1	20.7	20.2	20.5	21.1	21.7	21.1	21.5	22.1	22.8
		HI PR	247	265	280	292	277	298	314	328	315	339	358	373	358	386	407	425	403	434	458	478	446	479	506	528
		LO PR	118	125	137	146	125	132	145	154	129	138	150	160	136	145	158	168	142	152	165	176	147	157	171	182
	1330	MBh	43.5	44.3	46.4	49.5	42.5	43.3	45.3	48.4	41.4	42.2	44.2	47.2	40.4	41.2	43.2	46.0	38.4	39.2	41.0	43.7	35.6	36.3	38.0	40.5
		S/T	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		Delta T	28	28	26	23	29	28	27	23	29	28	27	23	28	28	27	23	27	27	26	23	25	25	25	21
		KW	3.26	3.32	3.42	3.52	3.49	3.56	3.66	3.77	3.69	3.76	3.88	4.00	3.87	3.95	4.07	4.19	4.02	4.10	4.23	4.36	4.15	4.24	4.37	4.51
		AMPS	15.8	16.1	16.5	17.0	16.8	17.1	17.5	18.0	17.9	18.2	18.6	19.2	18.8	19.1	19.6	20.2	19.7	20.1	20.6	21.2	20.6	21.0	21.6	22.3
		HI PR	239	257	272	284	268	289	305	318	305	329	347	362	348	374	395	412	391	421	445	464	432	465	491	512
		LO PR	114	122	133	141	121	129	140	149	126	134	146	155	132	140	153	163	138	147	161	171	143	152	166	177

* NOTE: Shaded area reflects AHRI 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)

MODEL: *PG1360*M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 9 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 8°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	2035	MBh	56.3	58.4	64.0	-	55.0	57.0	62.5	-	53.7	55.7	61.0	-	52.4	54.3	59.5	-	49.8	51.6	56.5	-	46.1	47.8	52.4	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		KW	4.26	4.35	4.48	-	4.57	4.66	4.80	-	4.84	4.94	5.09	-	5.08	5.18	5.34	-	5.28	5.39	5.56	-	5.45	5.57	5.75	-
		AMPS	18.0	18.4	18.9	-	19.2	19.6	20.2	-	20.7	21.1	21.7	-	21.9	22.3	23.0	-	23.1	23.6	24.3	-	24.3	24.9	25.6	-
		HI PR	241	260	274	-	271	291	308	-	308	331	350	-	351	377	399	-	395	425	448	-	436	469	495	-
		LO PR	109	116	127	-	115	123	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-
	1810	MBh	54.7	56.7	62.1	-	53.4	55.4	60.7	-	52.2	54.1	59.2	-	50.9	52.7	57.8	-	48.3	50.1	54.9	-	44.8	46.4	50.9	-
		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	20	18	13	-	21	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	13	-
		KW	4.23	4.32	4.44	-	4.53	4.63	4.77	-	4.80	4.90	5.05	-	5.04	5.14	5.30	-	5.24	5.35	5.52	-	5.41	5.53	5.70	-
		AMPS	17.9	18.2	18.7	-	19.1	19.5	20.0	-	20.5	20.9	21.5	-	21.7	22.2	22.8	-	22.9	23.4	24.1	-	24.1	24.7	25.4	-
		HI PR	239	257	272	-	268	289	305	-	305	328	346	-	347	374	395	-	391	420	444	-	432	465	491	-
		LO PR	108	115	125	-	114	121	132	-	119	126	138	-	125	132	145	-	131	139	152	-	135	144	157	-
	1590	MBh	50.5	52.3	57.3	-	49.3	51.1	56.0	-	48.1	49.9	54.7	-	47.0	48.7	53.3	-	44.6	46.2	50.7	-	41.3	42.8	46.9	-
		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	21	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		KW	4.14	4.22	4.34	-	4.43	4.52	4.66	-	4.69	4.79	4.93	-	4.92	5.02	5.18	-	5.11	5.22	5.38	-	5.28	5.39	5.56	-
		AMPS	17.5	17.8	18.3	-	18.6	19.0	19.6	-	20.0	20.4	21.0	-	21.2	21.6	22.3	-	22.4	22.8	23.5	-	23.5	24.0	24.8	-
		HI PR	232	249	263	-	260	280	296	-	296	318	336	-	337	363	383	-	379	408	431	-	419	451	476	-
		LO PR	105	111	122	-	111	118	129	-	115	122	134	-	121	129	140	-	127	135	147	-	131	139	152	-
75	2035	MBh	57.3	59.0	63.9	68.5	56.0	57.6	62.4	66.9	54.6	56.3	60.9	65.3	53.3	54.9	59.4	63.8	50.6	52.1	56.4	60.6	46.9	48.3	52.3	56.1
		S/T	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.92	0.83	0.63	0.40	0.95	0.85	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.89	0.68	0.43
		Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11
		KW	4.30	4.38	4.51	4.65	4.60	4.70	4.84	4.99	4.88	4.98	5.13	5.29	5.12	5.22	5.39	5.56	5.32	5.43	5.61	5.79	5.50	5.62	5.79	5.98
		AMPS	18.1	18.5	19.0	19.6	19.4	19.8	20.3	21.0	20.8	21.3	21.9	22.6	22.1	22.5	23.2	24.0	23.3	23.8	24.5	25.3	24.5	25.1	25.8	26.7
		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	110	117	128	136	116	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	170
	1810	MBh	55.6	57.3	62.0	66.5	54.3	55.9	60.6	65.0	53.0	54.6	59.1	63.4	51.8	**53.3**	57.7	61.9	49.2	50.6	54.8	58.8	45.5	46.9	50.8	54.5
		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	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	4.26	4.35	4.48	4.61	4.57	4.66	4.80	4.95	4.84	4.94	5.09	5.25	5.08	**5.18**	5.35	5.51	5.28	5.39	5.56	5.74	5.46	5.57	5.75	5.93
		AMPS	18.0	18.4	18.9	19.5	19.2	19.6	20.2	20.8	20.7	21.1	21.7	22.4	21.9	**22.4**	23.0	23.8	23.1	23.6	24.3	25.1	24.3	24.9	25.6	26.5
		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	109	116	127	135	115	123	134	143	120	127	139	148	126	**134**	146	156	132	140	153	163	136	145	158	169
	1590	MBh	51.3	52.9	57.2	61.4	50.2	51.6	55.9	60.0	49.0	50.4	54.6	58.6	47.8	49.2	53.2	57.1	45.4	46.7	50.6	54.3	42.0	43.3	46.8	50.3
		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	24	22	18	12	24	22	18	13	24	22	18	13	24	22	18	13	24	22	18	12	22	21	17	12
		KW	4.17	4.25	4.37	4.51	4.47	4.56	4.69	4.83	4.73	4.82	4.97	5.13	4.96	5.06	5.22	5.38	5.16	5.26	5.43	5.60	5.32	5.44	5.61	5.79
		AMPS	17.6	17.9	18.4	19.0	18.8	19.2	19.7	20.3	20.2	20.6	21.2	21.9	21.4	21.8	22.4	23.2	22.6	23.0	23.7	24.5	23.7	24.2	25.0	25.8
		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	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	149	158	132	141	154	164

* IDB: 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: *PG1360*M41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 9 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 8°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
80	2035	MBh	58.3	59.6	63.7	68.1	57.0	58.2	62.2	66.5	55.6	56.8	60.7	64.9	54.3	55.4	59.2	63.3	51.5	52.7	56.3	60.1	47.7	48.8	52.1	55.7
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.62
		Delta T	25	24	21	17	26	24	21	17	25	24	21	17	25	25	21	17	23	24	21	17	22	22	20	16
		KW	4.33	4.41	4.54	4.68	4.64	4.73	4.88	5.03	4.92	5.02	5.17	5.33	5.16	5.27	5.43	5.60	5.37	5.48	5.65	5.83	5.54	5.66	5.84	6.03
		AMPS	18.3	18.7	19.2	19.8	19.5	19.9	20.5	21.2	21.0	21.4	22.0	22.8	22.2	22.7	23.4	24.2	23.5	24.0	24.7	25.6	24.7	25.3	26.0	26.9
		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	111	118	129	138	118	125	137	145	122	130	142	151	128	137	149	159	135	143	156	166	139	148	162	172
	1810	MBh	56.6	57.9	61.8	66.1	55.3	56.5	60.4	64.5	54.0	55.2	58.9	63.0	52.7	53.8	**57.5**	61.5	50.0	51.1	54.6	58.4	46.3	47.4	50.6	54.1
		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	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60
		Delta T	26	25	22	17	26	25	22	18	26	25	22	18	27	26	**22**	18	25	25	22	18	24	24	20	16
		KW	4.30	4.38	4.51	4.65	4.60	4.70	4.84	4.99	4.88	4.98	5.13	5.29	5.12	5.23	**5.39**	5.56	5.32	5.44	5.61	5.79	5.50	5.62	5.79	5.98
		AMPS	18.1	18.5	19.0	19.6	19.4	19.8	20.3	21.0	20.8	21.3	21.9	22.6	22.1	22.5	**23.2**	24.0	23.3	23.8	24.5	25.3	24.5	25.1	25.8	26.7
		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	110	117	128	136	116	124	135	144	121	129	141	150	127	135	**148**	157	133	142	155	165	138	147	160	170
	1590	MBh	52.3	53.4	57.1	61.0	51.0	52.2	55.7	59.6	49.8	50.9	54.4	58.2	48.6	49.7	53.1	56.7	46.2	47.2	50.4	53.9	42.8	43.7	46.7	49.9
		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	1.01	0.94	0.77	0.57
		Delta T	26	25	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17
		KW	4.20	4.28	4.41	4.54	4.50	4.59	4.73	4.87	4.76	4.86	5.01	5.17	5.00	5.10	5.26	5.43	5.20	5.31	5.47	5.65	5.37	5.48	5.65	5.84
		AMPS	17.7	18.1	18.6	19.2	18.9	19.3	19.9	20.5	20.3	20.8	21.3	22.0	21.5	22.0	22.6	23.4	22.7	23.2	23.9	24.7	23.9	24.4	25.2	26.0
		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	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165
85	2035	MBh	59.3	60.5	63.3	67.6	58.0	59.1	61.9	66.0	56.6	57.7	60.4	64.4	55.2	56.3	58.9	62.9	52.4	53.5	56.0	59.7	48.6	49.5	51.9	55.3
		S/T	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		Delta T	27	26	25	22	26	27	25	22	26	26	25	22	25	25	25	22	24	24	25	22	22	22	23	20
		KW	4.36	4.45	4.58	4.72	4.67	4.77	4.91	5.07	4.95	5.06	5.21	5.38	5.20	5.31	5.47	5.65	5.41	5.52	5.70	5.88	5.59	5.71	5.89	6.08
		AMPS	18.4	18.8	19.3	19.9	19.7	20.1	20.7	21.3	21.2	21.6	22.2	23.0	22.4	22.9	23.6	24.4	23.7	24.2	24.9	25.8	24.9	25.5	26.2	27.1
		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	112	120	131	139	119	126	138	147	123	131	143	153	130	138	151	160	136	145	158	168	141	150	163	174
	1810	MBh	57.6	58.7	61.5	65.6	56.3	57.4	60.1	64.1	54.9	56.0	58.6	62.6	53.6	54.6	57.2	61.0	50.9	51.9	54.4	58.0	47.2	48.1	50.3	53.7
		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	28	27	26	22	28	28	26	23	28	28	26	23	27	28	26	23	26	26	26	23	24	24	24	21
		KW	4.33	4.41	4.54	4.68	4.64	4.73	4.88	5.03	4.92	5.02	5.17	5.33	5.16	5.27	5.43	5.60	5.37	5.48	5.65	5.83	5.54	5.66	5.84	6.03
		AMPS	18.3	18.7	19.2	19.8	19.5	19.9	20.5	21.2	21.0	21.4	22.0	22.8	22.2	22.7	23.4	24.2	23.5	24.0	24.7	25.6	24.7	25.3	26.0	26.9
		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	111	118	129	138	118	125	137	145	122	130	142	151	128	137	149	159	135	143	156	166	139	148	162	172
	1590	MBh	53.2	54.2	56.8	60.6	51.9	52.9	55.4	59.2	50.7	51.7	54.1	57.7	49.5	50.4	52.8	56.3	47.0	47.9	50.2	53.5	43.5	44.4	46.5	49.6
		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	28	28	26	23	29	28	27	23	29	28	27	23	29	28	27	23	27	28	26	23	25	26	25	21
		KW	4.23	4.31	4.44	4.57	4.53	4.62	4.76	4.91	4.80	4.90	5.05	5.21	5.04	5.14	5.30	5.47	5.24	5.35	5.52	5.69	5.41	5.53	5.70	5.88
		AMPS	17.9	18.2	18.7	19.3	19.1	19.5	20.0	20.7	20.5	20.9	21.5	22.2	21.7	22.2	22.8	23.6	22.9	23.4	24.1	24.9	24.1	24.6	25.4	26.2
		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	108	115	125	134	114	121	132	141	119	126	138	147	125	132	145	154	130	139	152	161	135	144	157	167

* NOTE: Shaded area reflects AHRI 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)

COOLING PERFORMANCE DATA

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.

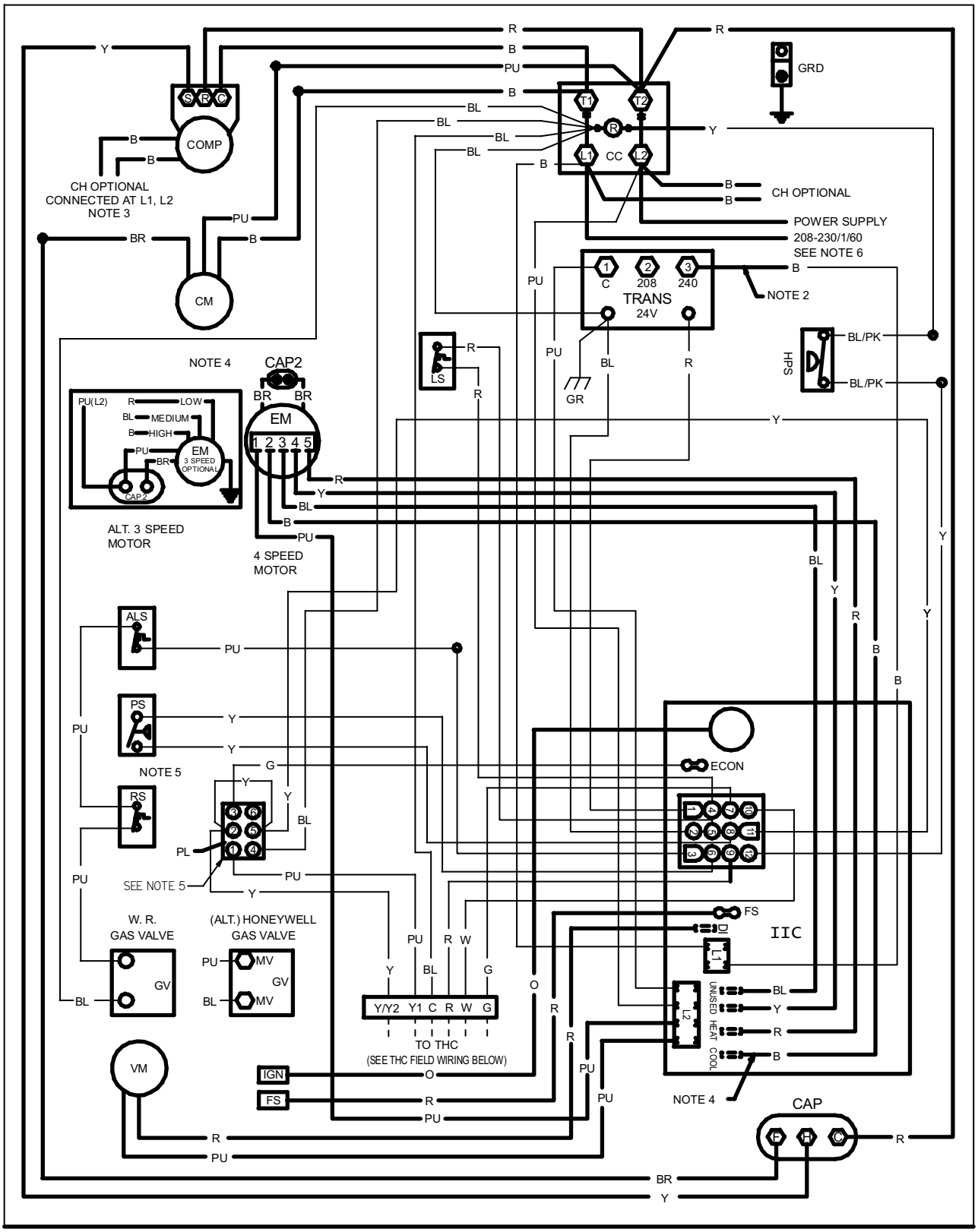
A properly operating unit should be within plus or minus **3 PSIG** of the **LO PR** shown.

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

WIRING DIAGRAMS [A/G]PG13[24-42]***M41A*

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.



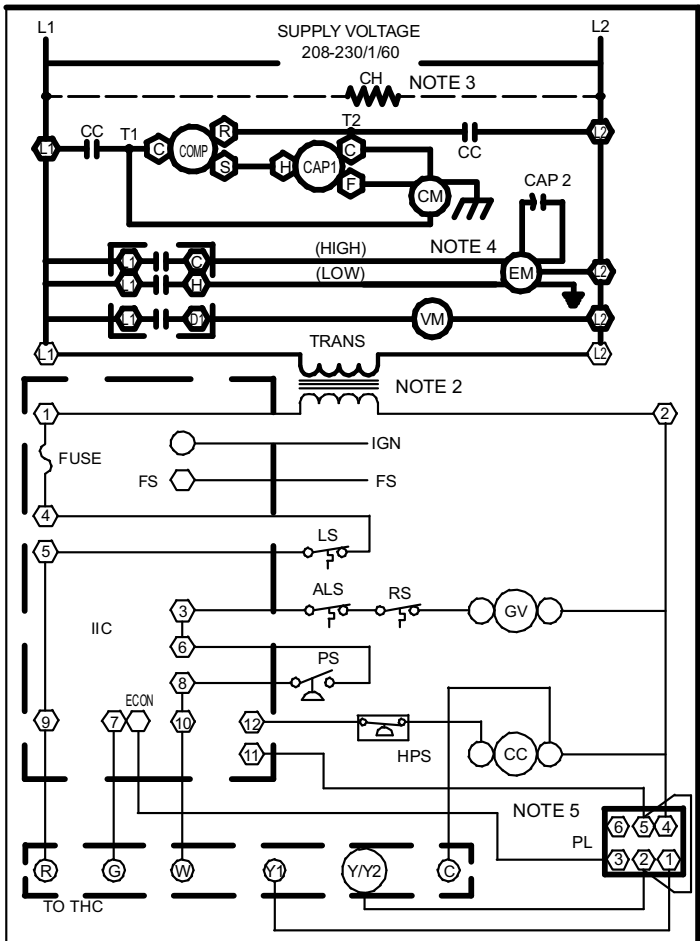
0140G01233 REV. A

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

WIRING DIAGRAMS [A/G]PG13[24-42]***M41A*

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

ALS AUXILIARY LIMIT SWITCH
CAP CAPACITOR
COMP COMPRESSOR
CM CONDENSER MOTOR
CC CONTACTOR
CH CRANKCASE HEATER
EM EVAPORATOR MOTOR
FS FLAME SENSOR
GV GAS VALVE
IIC INTEGRATED IGNITION CONTROL
IGN IGNITOR
LS LIMIT SWITCH
PL PLUG
PS PRESSURE SWITCH
RS ROLLOUT SWITCH
THC THERMOSTAT HEAT & COOL
TRANS TRANSFORMER
VM VENT MOTOR
HPS HIGH PRESSURE SWITCH

WIRE SPLICE
MARKED TERMINAL
UNMARKED TERMINAL

WIRING

LINE VOLTAGE
LOW VOLTAGE
FIELD INSTALLED POWER
FIELD INSTALLED CONTROL

WIRE CODE

B BLACK
BL BLUE
BR BROWN
G GREEN
O ORANGE
PK PINK
PU PURPLE
R RED
W WHITE
Y YELLOW
BL/PK BLUE/PINK

NOTES

1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL.(USE COPPER CONDUCTOR ONLY).
2. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
3. CRANKCASE HEATER (OPTIONAL).
4. FOR DIFFERENT THAN FACTORY SPEED TAP. CHANGE COOLING SPEED AT COOL TERMINAL (IIC). CHANGE HEATING SPEED AT HEAT TERMINAL (IIC)

4 SPEED MOTOR	3 SPEED MOTOR
B - HIGH SPEED	B - HIGH SPEED
BL - MEDIUM HIGH SPEED	BL - MEDIUM SPEED
Y - MEDIUM LOW SPEED	R - LOW SPEED
R - LOW SPEED	

5. ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARMENT.
6. USE COPPER WIRE

208-230/1/60

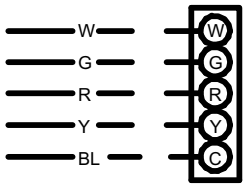
INSTALLER/SERVICEMAN

THE STATUS LIGHT ON THE FURNACE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. STATUS LIGHT CODES ARE AS FOLLOWS:

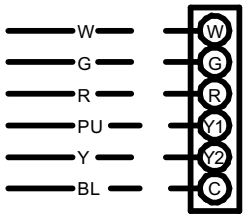
STATUS LIGHT	EQUIP. STATUS	CHECK
ON	NORMAL OPERATION	-
OFF	NO POWER OR INTERNAL CONTROL FAULT	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
1 BLINK	IGNITION FAILURE OR OPEN ROLLOUT SWITCH OR OPEN AUX. LIMIT SWITCH	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR FLAME ROLLOUT BAD SWITCH AUX. LIMIT OPEN
2 BLINKS	PRESSURE SWITCH OPEN	CHECK PRESSURE SWITCH
3 BLINKS	PRESSURE SWITCH CLOSED WITHOUT INDUCER ON	CHECK PRESSURE SWITCH
4 BLINKS	OPEN LIMIT SWITCH	MAIN LIMIT OPEN BAD SWITCH
5 BLINKS	FALSE FLAME SENSED	STICKING GAS VALVE
6 BLINKS	COMPRESSOR OUTPUT DELAY	3 MIN. COMP. ANTI-CYCLE TIMER

THC-FIELD WIRING

THC-NO ECONOMIZER



2 STAGE COOLING WITH ECONOMIZER



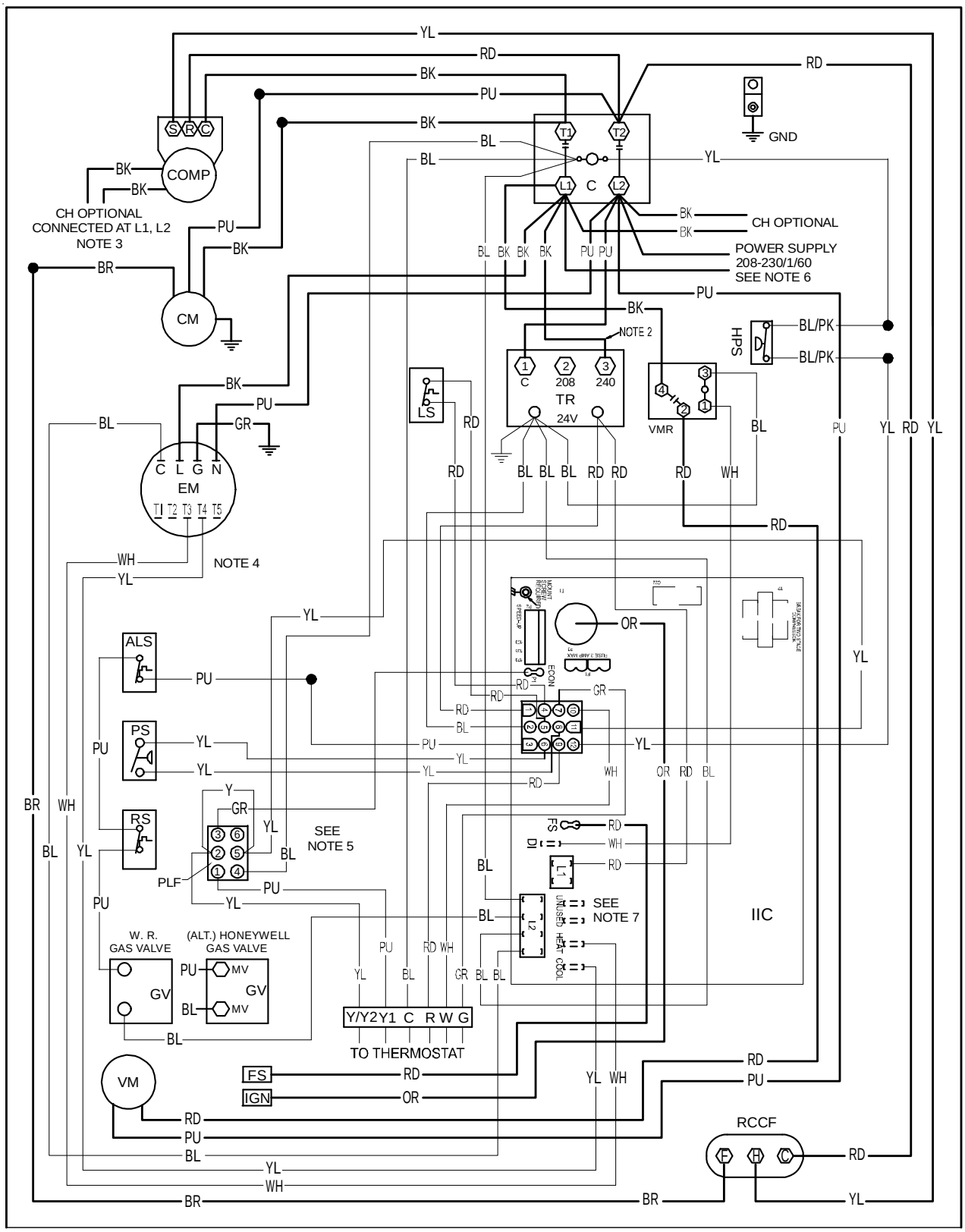
0140G01233 REV. A

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

WIRING DIAGRAMS [A/G]PG13[48-60]***M41A*

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.



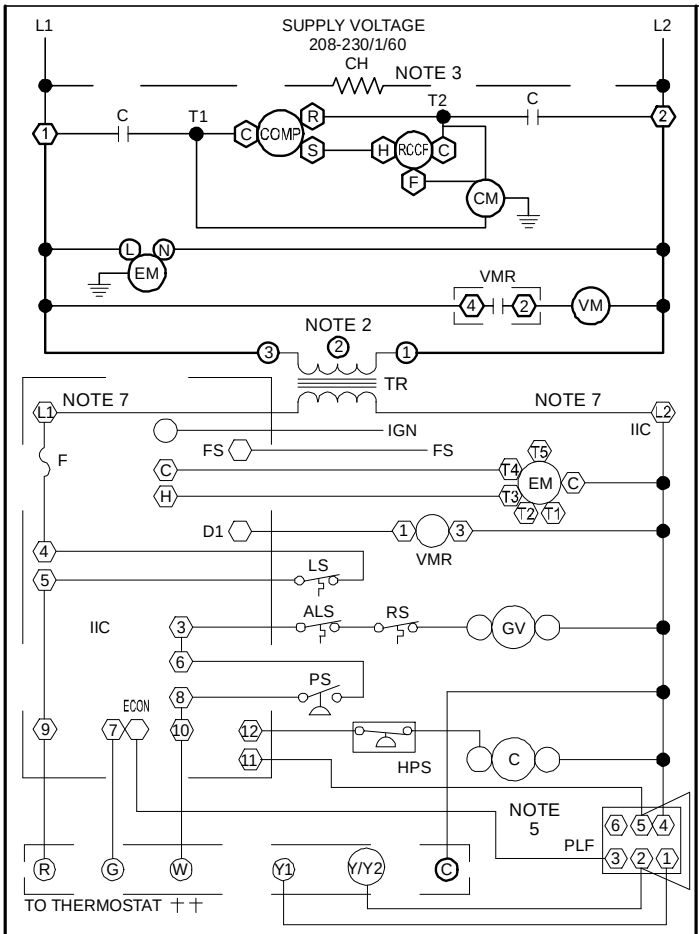
0140G01234 REV A

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

WIRING DIAGRAMS [A/G]PG13[48-60]***M41A*

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

ALS	AUXILIARY LIMIT SWITCH
COMP	COMPRESSOR
CM	CONDENSER MOTOR
C	CONTACTOR
CH	CRANKCASE HEATER
EM	EVAPORATOR MOTOR
F	FUSE
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LS	LIMIT SWITCH
PLF	FEMALE PLUG/CONNECTOR
PS	PRESSURE SWITCH
RCCF	RUN CAPACITOR FOR COMPRESSOR/FAN
RS	ROLLOUT SWITCH
TR	TRANSFORMER
VM	VENT MOTOR
VMR	VENT MOTOR RELAY
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
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW
BL/PK	BLUE/PINK

NOTES
1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL.(USE COPPER CONDUCTOR ONLY).
2. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL (3) TO TERMINAL (2) ON TRANSFORMER.
3. CRANKCASE HEATER NOT SUPPLIED ON ALL UNITS.
4. FOR DIFFERENT THAN FACTORY SPEED TAP. CHANGE COOLING SPEED AT MOTOR T4 AND T5 TERMINALS. CHANGE HEATING SPEED AT MOTOR T1, T2 AND T3 TERMINALS.

COOLING SPEED (YELLOW WIRE)	HEATING SPEED (WHITE WIRE)
T4 - LOW SPEED	T1 - LOW SPEED
T5 - HIGH SPEED	T2 - MED. SPEED
	T3 - HIGH SPEED

5. ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARMENT.
6. USE COOPER CONDUCTORS ONLY.
++ USE NEC CLASS 2 WIRE.

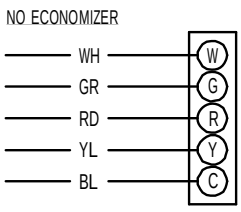
208-230/1/60

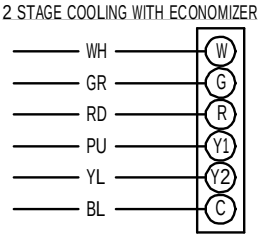
INSTALLER/SERVICEMAN

THE STATUS LIGHT ON THE FURNACE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. STATUS LIGHT CODES ARE AS FOLLOWS:

STATUS LIGHT	EQUIP. STATUS	CHECK
ON	NORMAL OPERATION	-
OFF	NO POWER OR INTERNAL CONTROL FAULT	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
1 BLINK	IGNITION FAILURE OR OPEN ROLLOUT SWITCH OR OPEN AUX. LIMIT SWITCH	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR FLAME ROLLOUT BAD SWITCH AUX. LIMIT OPEN
2 BLINKS	PRESSURE SWITCH OPEN	CHECK PRESSURE SWITCH
3 BLINKS	PRESSURE SWITCH CLOSED WITHOUT INDUCER ON	CHECK PRESSURE SWITCH
4 BLINKS	OPEN LIMIT SWITCH	MAIN LIMIT OPEN BAD SWITCH
5 BLINKS	FALSE FLAME SENSED	STICKING GAS VALVE
6 BLINKS	COMPRESSOR OUTPUT DELAY	3 MIN. COMP. ANTI-CYCLE TIMER

THERMOSTAT FIELD WIRING ++





0140G01234 REV A

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