

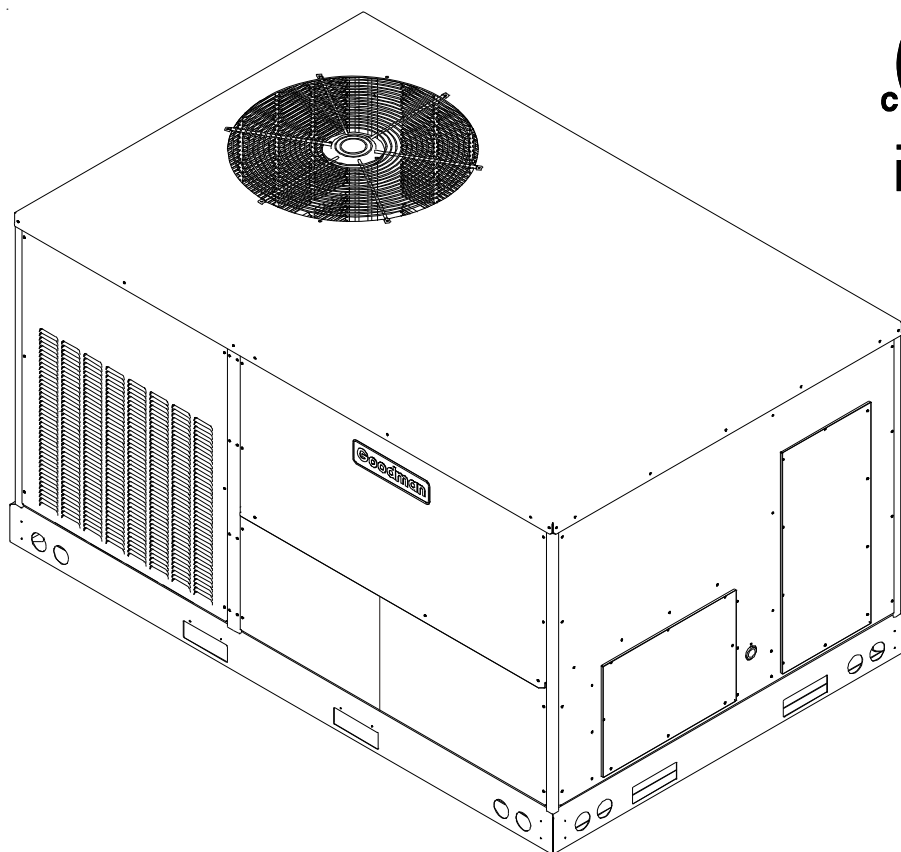


TECHNICAL MANUAL

CPG Package Gas Units 5 & 6 Tons with R410A

(Units with 5mm condenser coils)

- Refer to Service Manual RS6412004 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 2.



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 performed by an unqualified person.

RT6412014r2
November 2012

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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.

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 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. *NOTE: All unit combinations are not listed below. Models where performance does not change are not listed individually.*

CPG0600901DXXX

CPG0601401DXXX

CPG0600903DXXX

CPG0601403BXXX

CPG0601403DXXX

CPG0601403HXXX

CPG0600904BXXX

CPG0601404BXXX

CPG0601407BXXX

CPG0721403BXXX

CPG0721403HXXX

CPG0721404BXXX

CPG0721407BXXX

CPG0721407HXXX

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.

	C	P	C	240	60	3	B	*	*	*	A	*
	1	2	3	4, 5, 6	7, 8, 9	10	11	12	13	14	15	16
Brand												Revision Levels
C Commercial												Major & Minor
Configuration												Factory-Installed Options
P Packaged Unit												X No Options
Application												A Non-powered convenience outlet
C Cooling												B Powered convenience outlet
G Gas Heat												C Low Ambient Kit
H Heat Pump												D Return air smoke detector
Nominal Gross Cooling Capacity												E Supply air smoke detector
036 3 Tons 102 8½ Tons												F Non-powered convenience outlet; Low Ambient Kit
048 4 Tons 120 10 Tons												G Non-powered convenience outlet; Return air smoke detector
060 5 Tons 150 12½ Tons												H Non-powered convenience outlet; Supply air smoke detector
072 6 Tons 180 & 181 15 Tons												J Non-powered convenience outlet; Return & Supply air smoke detectors
090 7½ Tons 240 20 Tons												K Non-powered convenience outlet; Low-ambient kit; Supply air smoke detector
Nominal Heating Capacity												L Non-powered convenience outlet; Low Ambient Kit; Return & Supply air smoke detectors
CPG												M Powered convenience outlet; Low Ambient Kit
CPC/CPH (Factory-Installed Electric Heat)												N Powered convenience outlet; Return air smoke detector
045 45,000 BTU/h XXX No Heat												O Powered convenience outlet; Return & Supply air smoke detectors
090 90,000 BTU/h 010 10 kW 030 30 kW												P Powered convenience outlet; Supply air smoke detector
115 115,000 BTU/h 015 15 kW 031 30 kW												Q Powered convenience outlet; Low Ambient Kit; Return air smoke detector
140 140,000 BTU/h 016 15 kW 045 45 kW												R Powered convenience outlet; Low Ambient Kit; Supply air smoke detector
210 210,000 BTU/h 018 18 kW 046 46 kW												T Powered convenience outlet; Low Ambient Kit; Return & Supply air smoke detectors
350 350,000 BTU/h 020 20 kW 060 60 kW												V Low Ambient Kit; Return air smoke detector
400 400,000 BTU/h 025 25 kW 075 75 kW												W Low Ambient Kit; Return & Supply air smoke detectors
Voltage												Y Low Ambient Kit; Return & Supply air smoke detectors
1 208V 1-Phase 4 460V 3-Phase												Z Return & Supply air smoke detectors
3 208v 3-Phase 7 575V 3-Phase												
Supply Fan/Drive Type/Motors												Factory-Installed Options
B Belt Drive												X Standard Aluminized Heat Exchanger
D Direct Drive												A Condenser Coil Hail Guard
H High-Static Belt Drive (Factory-Installed)												B Condenser Coil Hail Guard Treated Condenser Coil (UltraGold)
Factory-Installed Options												C Condenser Coil Hail Guard Stainless Steel Heat Exchanger
X No Options												D Condenser Coil Hail Guard Treated Condenser Coil (UltraGold) Stainless Steel Heat Exchanger
A Downflow Economizer												J Treated Condenser Coil (UltraGold)
H Disconnect Switch (non-fused)												S Stainless Steel Heat Exchanger
J Downflow Economizer ; Disconnect Switch (non-fused)												T Treated Condenser Coil (UltraGold) Stainless Steel Heat Exchanger

PRODUCT DESIGN

CPG Light Commercial Package Gas Units are designed for outdoor installations only, primarily in light commercial applications and are available in 208-230 volt single phase, 208-230 volt three phase, 460 volt three phase and 575v three phase in 3 thru 6 ton sizes with 1 compressor.

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.

The removal of condensate water from the indoor coil can be achieved by either the 3/4" NPT female fitting on the side of the unit or by the 3/4" NPT male fitting located on the bottom of the condensate pan. (Do not reduce the drain line size).

Refrigerant flow control is achieved by use of flowrator type metering device.

CPG13 units use the FasTest Access Fitting System which consists of a saddle soldered to the suction and liquid lines 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.**

Filters are factory supplied in the return air compartment upstream from the indoor coil. 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.

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

CPG060XXX1D and CPG060XXX3D units have EEM indoor blower motors that are energized by a 24V signal from the thermostat and are constant torque motors with very low power consumption. The EEM motor features an integral control module.

CPG***XXX*B and *H units have 3 phase belt drive indoor blower motors that are energized through the blower motor contactor.

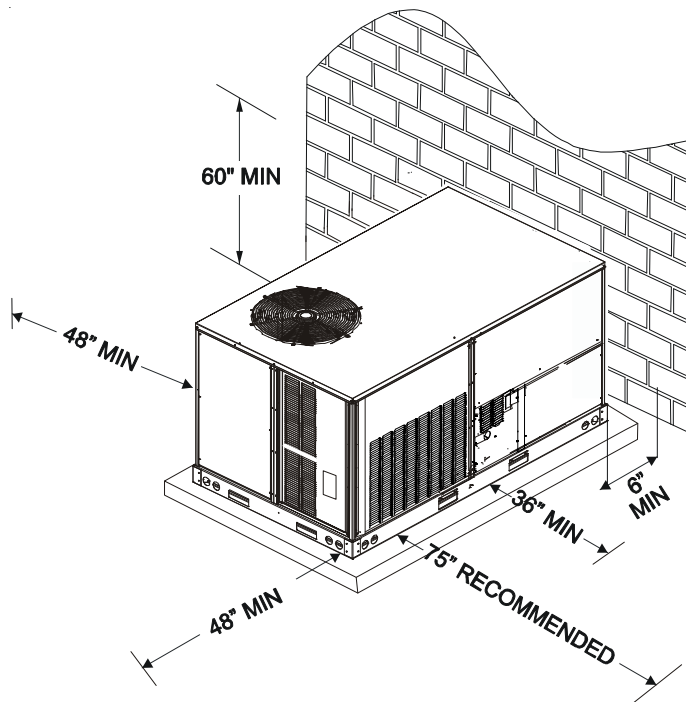
Air for condensing (cooling cycle) is drawn through the outdoor coil by a propeller fan, and is discharged vertically out the top of the unit. The outdoor coil is designed for .0 static. No additional restriction (ductwork) shall be applied.

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

- Due to their design Scroll compressors are inherently more tolerant of liquid refrigerant. **NOTE:** Even though the compressor section of a Scroll compressor is more tolerant of liquid refrigerant, continued flood back or flooded start conditions may wash oil from the bearing surfaces causing premature bearing failure.
- These Scroll compressors use "POE" or polyolester oil which is NOT compatible with mineral oil based lubricants like 3GS. "POE" oil must be used if additional oil is required.

- Compliant scroll compressors perform "quiet" shutdowns that allow the compressor to restart immediately without the need for a time delay. This compressor will restart even if the system has not equalized.
- Operating pressures and amp draws may differ from standard reciprocating compressors. This information may be found in the "Cooling Performance Data" section.

Location and Clearances

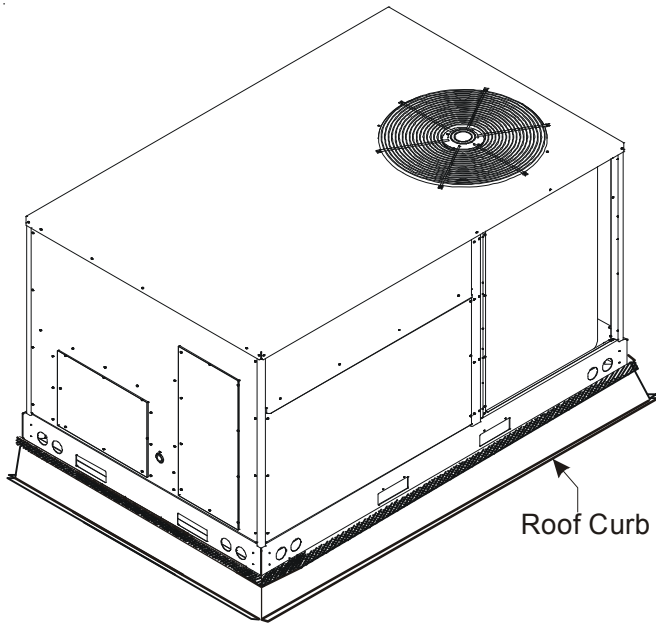


Outside Slab - Multi-positional

NOTE: A clearance of 48" is recommended on all sides of the unit and 75" total clearance is recommended on the main control panel side to facilitate possible fan shaft, coil, electric heat and gas furnace removal. See figure above.

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

PRODUCT DESIGN



Rooftop Installation

In installations where the unit is installed above ground level and not serviceable from the ground (Example: Roof Top installations) the installer must provide service platform for service person with rails or guards in accordance with local codes or ordinances or in their absence with the latest edition of the National Fuel Gas Code ANSI Z223.1.

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

WARNING

To prevent possible property damage, the unit should remain in an upright position during all rigging and moving operations. To facilitate lifting and moving if a crane is used, place the unit in an adequate cable sling.

IMPORTANT: When 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.

Corner & Center of Gravity Locations

NOTES:

1. Weights are for belt drive gas unit; no options.
2. Centers of gravity weights are for belt drive gas units without options.

Provisions for forks have been included in the unit base frame on three sides. If unit is moved by forklift, no other fork locations are approved.

CAUTION

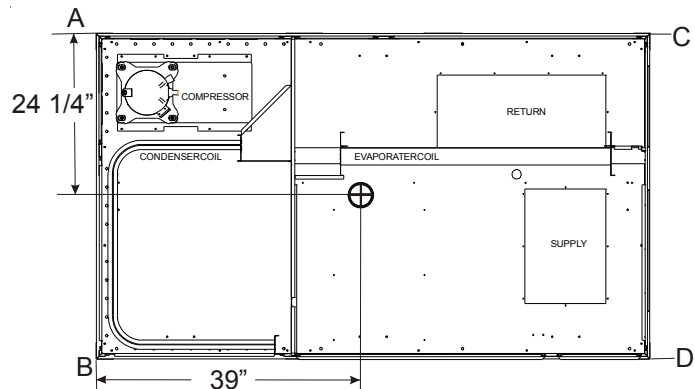
If units are lifted two at a time, the fork holes on the condenser end of the unit must NOT be used. Minimum fork length is 42" to prevent damage to the unit; however, 48" is recommended.

5 - 6 TONS

CORNER WEIGHTS

Model	X (in)	Y (in)	Corner Weights (lbs)			
			A	B	C	D
CPG060090*	37	30	113	187	118	192
CPG060140*	37	30	118	192	118	192
CPG072140*	37	30	127	210	127	211

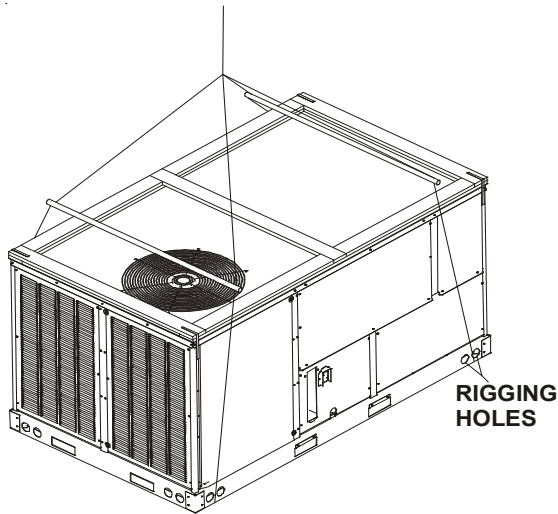
* **Weights shown are belt drive with no accessories.**



CENTER OF GRAVITY 5 - 6 TONS

PRODUCT DESIGN

Rigging Information



1. Unit must be lifted by the four lifting holes located at the base frame corners.
2. Lifting cables should be attached to the unit with shackles.
3. The distance between the crane hook and the top of the unit must not be less than 60".
4. Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from forklift damage. Removal is accomplished by extracting the sheet metal retainers and pulling the struts through the base of the unit. Refer to rigging label on the unit.



To prevent severe damage to the bottom of the unit, do not forklift unit after wood struts have been removed.

PRODUCT DESIGN

High Altitude Derate - U.S. Installations Only

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.

For CPG036045, use LPT-00A propane conversion kit for propane conversions at altitudes below 2000 feet. Natural gas installations below 2000 feet do not require a kit. For other BA revisions on 3, 4 and 5 ton models, use LPM-05.

For propane conversion above 2000 feet, high altitude kit HA-02 is required in addition to propane conversion kit LPT-00A or LPM-05.

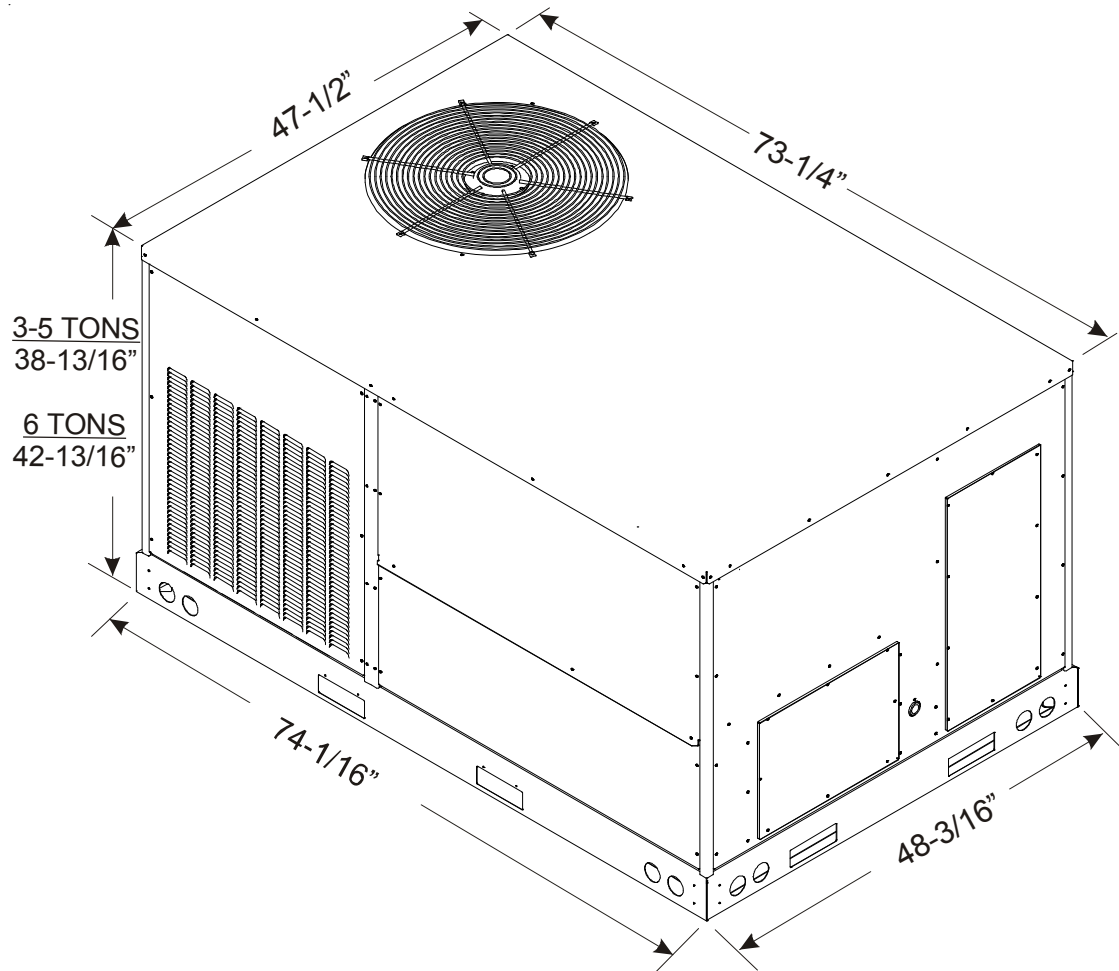
INPUT/BURNER	HIGH ALTITUDE KIT	20,000 BTUH NAT/20,000 BTUH/L.P.							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	3000	4000	4500	5000	6000	7000	8000
U.S. BURNER ORIFICE	HA-02	45/55	47/55	47/56	-	47/56	48/57	48/58	49/58
CANADA BURNER ORIFICE		45/55	-	-	48/57	-	-	-	-

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	-	-	-	-

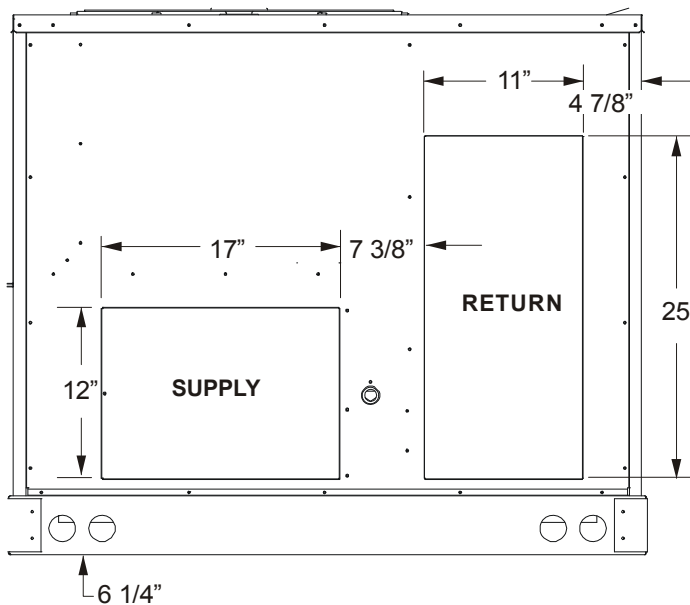
INPUT/BURNER	HIGH ALTITUDE KIT	25,000 BTUH NAT/20,000 BTUH/L.P.							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	3000	4000	4500	5000	6000	7000	8000
U.S. BURNER ORIFICE	HA-02	43/55	43/55	44/56	-	44/56	44/56	45/57	45/57
CANADA BURNER ORIFICE		43/55	-	-	46/57	-	-	-	-

PRODUCT DIMENSIONS

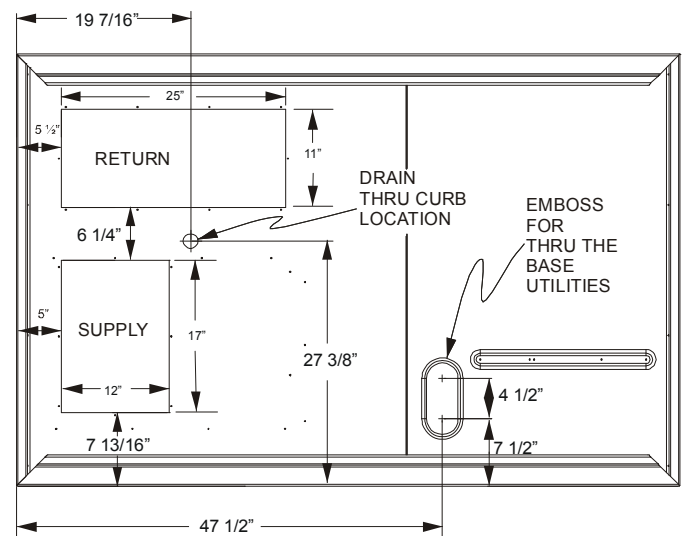
CPG[060-072]XXX**XXX



HORIZONTAL DISCHARGE



VERTICAL DISCHARGE



BOTTOM VIEW OF UNIT

For horizontal discharge, remove the supply and return duct covers and place them over the vertical discharge return and supply openings. Install with insulation facing up, using the longer screws provided in the literature package.

PACKAGE GAS SPECIFICATIONS

CPG060XXX1DXXX

		CPG0600901DXXXC*	CPG0601401DXXXC*
COOLING CAPACITY	COOLING CAPACITY, BTUH	58,000	58,000
	SEER/EER	13/11.1	13/11.1
HEATING CAPACITY	HIGH HEATING INPUT / OUTPUT BTUH	92,000 / 74,000	138,000 / 110,400
	LOW HEATING INPUT / OUTPUT BTUH	69,000 / 55,000	103,000 / 83,000
	A.F.U.E. (%)	80	80
	TEMPERATURE RISE (°F) HI/LOW	20 - 50 / 15 - 45	35 - 65 / 25 - 55
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208-230/1/60	208-230/1/60
	UNIT AMPS (TOTAL)	35.4	35.4
	MINIMUM CIRCUIT AMPACITY	42	42
	MAXIMUM OVERCURRENT PROTECTION ⁽²⁾	60	60
HEATING SECTION	NUMBER OF BURNERS	4	6
	ORIFICE SIZE NATURAL	43	43
	ORIFICE SIZE LP	55	55
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	26.4	26.4
	LOCKED ROTOR AMPS	134	134
CONDENSER FAN MOTOR	HORSEPOWER	1/4	1/4
	RPM	1090	1090
	RATED LOAD AMPS	1.40	1.40
	LOCKED ROTOR AMPS	2.9	2.9
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/4	22/4
	NOMINAL CFM	3,800	3,800
CONDENSER COIL	FACE AREA - SQ. FT.	12.5	12.5
	NUMBER OF ROWS	2	2
	FINS PER INCH	27	27
EVAPORATOR BLOWER MOTOR	HORSEPOWER - TYPE	1.0 - DIRECT DRIVE	1.0 - DIRECT DRIVE
	NO. OF SPEEDS	EEM - 5	EEM - 5
	FULL LOAD AMPS	7.6	7.6
	LOCKED ROTOR AMPS	---	---
	MOTOR SPEED TAP - COOLING	T4	T4
	RPM	1050	1050
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	11 X 10	11 X 10
	RATED SCFM COOLING	2000	2000
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.9	0.9
EVAPORATOR COIL	FACE AREA - SQ. FT.	7.8	7.8
	NUMBER OF ROWS	4	4
	FINS PER INCH	16	16
HEATING LIMITS	PRIMARY LIMIT SETTING (°F)	140	220
	AUXILIARY LIMIT SETTING (°F)	150	150
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL INFORMATION	FILTER SIZE - SQ. FT.	(4) 14" X 20" x 2"	(4) 14" X 20" x 2"
	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	Orifice (0.086)	Orifice (0.086)
	REFRIGERANT CHARGE R-410A (Oz.)	100.8	100.8
	POWER SUPPLY CONDUIT HOLE SIZE (")	1.97"	1.97"
	KNOCKOUT SIZE (")	2.56"	2.56"
	LOW VOLTAGE CONDUIT HOLE SIZE (")	1/2	1/2
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	55/95	55/95
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	635	645
	OPERATING WEIGHT LBS.	610	620

(1) Units installed in Canada are certified only to 4500 feet.

(2) 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.

PACKAGE GAS SPECIFICATIONS

CPG[060-072]XXX3BXXX

		CPG0601403BXXXC*	CPG0721403BXXXC*
COOLING CAPACITY	COOLING CAPACITY, BTUH	58,000	71,000
	SEER/EER	13/11.1	11.0
HEATING CAPACITY	HIGH HEATING INPUT / OUTPUT BTUH	138,000 / 110,400	138,000 / 110,400
	LOW HEATING INPUT / OUTPUT BTUH	103,000 / 83,000	103,000 / 83,000
	STEADY STATE EFFY %	80	80
	TEMPERATURE RISE (°F) HI/LOW	35 - 65 / 25 - 55	35 - 65 / 25 - 55
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
	UNIT AMPS (TOTAL)	21.2	22.4
	MINIMUM CIRCUIT AMPACITY	25	31
	MAXIMUM OVERCURRENT PROTECTION ⁽²⁾	40	45
HEATING SECTION	NUMBER OF BURNERS	6	6
	ORIFICE SIZE NATURAL	43	43
	ORIFICE SIZE LP	55	55
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	16	16
	LOCKED ROTOR AMPS	110	110
CONDENSER FAN MOTOR	HORSEPOWER	1/4	1/4
	RPM	1090	1090
	RATED LOAD AMPS	1.4	1.4
	LOCKED ROTOR AMPS	2.9	4.0
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/4	22/4
	NOMINAL CFM	3,800	3,800
CONDENSER COIL	FACE AREA - SQ. FT.	12.5	19
	NUMBER OF ROWS	2	2
	FINS PER INCH	27	27
EVAPORATOR BLOWER MOTOR	HORSEPOWER - TYPE - STANDARD	1.0 - STD STATIC BELT DRIVE	1.5 - STD STATIC BELT DRIVE
	NO. OF SPEEDS	1	1
	RATED LOAD AMPS	3.8	5
	LOCKED ROTOR AMPS	24	18
	MOTOR SPEED TAP - COOLING	---	---
	RPM	1725	1725
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	11 X 10	11 X 10
	RATED SCFM COOLING	2000	2400
	MAX EXTERNAL STATIC PRESS ("w.c.)	1.0	1.0
EVAPORATOR COIL	FACE AREA - SQ. FT.	7.8	7.8
	NUMBER OF ROWS	4	4
	FINS PER INCH	16	16
HEATING LIMITS	PRIMARY LIMIT SETTING (°F)	220	140
	AUXILIARY LIMIT SETTING (°F)	145	150
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL INFORMATION	FILTER SIZE	(4) 14"X 20" x 2"	(4) 14"X 20" x 2"
	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	ORIFICE (0.086)	ORIFICE (0.094)
	REFRIGERANT CHARGE R-410A (Oz.)	100.8	146
	POWER SUPPLY CONDUIT HOLE (")	1.125	1.125
	LOW VOLTAGE CONDUIT HOLE	1/2"	1/2"
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	55/95	55/95
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	645	700
	OPERATING WEIGHT LBS.	620	675

(1) Units installed in Canada are certified only to 4500 feet.

(2) 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.

PACKAGE GAS SPECIFICATIONS

CPG060XXX3DXXX

		CPG0600903DXXXC*	CPG0601403DXXXC*
COOLING CAPACITY	COOLING CAPACITY, BTUH	58,000	58,000
	SEER/EER	13/11.1	13/11.1
HEATING CAPACITY	HIGH HEATING INPUT / OUTPUT BTUH	92,000 / 74,000	138,000 / 110,400
	LOW HEATING INPUT / OUTPUT BTUH	69,000 / 55,000	103,000 / 83,000
	STEADY STATE EFFY %	80	80
	TEMPERATURE RISE (°F) HI/LOW	20 - 50 / 15 - 45	35 - 65 / 25 - 55
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
	UNIT AMPS (TOTAL)	25	25
	MINIMUM CIRCUIT AMPACITY	29	29
	MAXIMUM OVERCURRENT PROTECTION ⁽²⁾	40	40
HEATING SECTION	NUMBER OF BURNERS	4	6
	ORIFICE SIZE NATURAL	43	43
	ORIFICE SIZE LP	55	55
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	16	16
	LOCKED ROTOR AMPS	110	110
CONDENSER FAN MOTOR	HORSEPOWER	1/4	1/4
	RPM	1090	1090
	RATED LOAD AMPS	1.4	1.4
	LOCKED ROTOR AMPS	2.9	2.9
CONDENSER FAN	BLADE DIAMETER (") / # OF BLADES	22/4	22/4
	NOMINAL CFM	3,800	3,800
CONDENSER COIL	FACE AREA - SQ. FT.	12.5	12.5
	NUMBER OF ROWS	2	2
	FINS PER INCH	27	27
EVAPORATOR BLOWER MOTOR	HORSEPOWER - TYPE - STANDARD	1.0 - DIRECT DRIVE	1.0 - DIRECT DRIVE
	NO. OF SPEEDS	EEM - 5	EEM - 5
	RATED LOAD AMPS	7.6	7.6
	LOCKED ROTOR AMPS	—	---
	MOTOR SPEED TAP - COOLING	T4	T4
	RPM	1050	1050
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	11 X 10	11 X 10
	RATED SCFM COOLING	2000	2000
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.9	0.9
EVAPORATOR COIL	FACE AREA - SQ. FT.	7.8	7.8
	NUMBER OF ROWS	4	4
	FINS PER INCH	16	16
HEATING LIMITS	PRIMARY LIMIT SETTING (°F)	140	220
	AUXILIARY LIMIT SETTING (°F)	150	150
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL INFORMATION	FILTER SIZE	(4) 14"X 20" x 2"	(4) 14"X 20" x 2"
	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	ORIFICE (0.086)	ORIFICE (0.086)
	REFRIGERANT CHARGE R-410A (Oz.)	100.8	100.8
	POWER SUPPLY CONDUIT HOLE (")	1.125	1.125
	LOW VOLTAGE CONDUIT HOLE	1/2"	1/2"
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	55/95	55/95
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	635	645
	OPERATING WEIGHT LBS.	610	620

(1) Units installed in Canada are certified only to 4500 feet.

(2) 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.

PACKAGE GAS SPECIFICATIONS

CPG[060-072]XXX3HXXX

		CPG0601403HXXXC*	CPG0721403HXXXC*
COOLING CAPACITY	COOLING CAPACITY, BTUH	58,000	71,000
	SEER/EER	13/11.1	11.0
HEATING CAPACITY	HIGH HEATING INPUT / OUTPUT BTUH	138,000 / 110,400	138,000 / 110,400
	LOW HEATING INPUT / OUTPUT BTUH	103,000 / 83,000	103,000 / 83,000
	STEADY STATE EFFY %	80	80
	TEMPERATURE RISE (°F) HI/LOW	35 - 65 / 25 - 55	35 - 65 / 25 - 55
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
	UNIT AMPS (TOTAL)	22.4	22.4
	MINIMUM CIRCUIT AMPACITY	26.4	31
	MAXIMUM OVERCURRENT PROTECTION ⁽²⁾	40	45
HEATING SECTION	NUMBER OF BURNERS	6	6
	ORIFICE SIZE NATURAL	43	43
	ORIFICE SIZE LP	55	55
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	16	16
	LOCKED ROTOR AMPS	110	110
CONDENSER FAN MOTOR	HORSEPOWER	1/4	1/4
	RPM	1090	1090
	RATED LOAD AMPS	1.4	1.4
	LOCKED ROTOR AMPS	2.9	4.0
CONDENSER FAN	BLADE DIAMETER (") / # OF BLADES	22/4	22/4
	NOMINAL CFM	3,800	3,800
CONDENSER COIL	FACE AREA - SQ. FT.	12.5	19
	NUMBER OF ROWS	2	2
	FINS PER INCH	27	27
EVAPORATOR BLOWER MOTOR	HORSEPOWER - TYPE - STANDARD	1.5 - HIGH STATIC BELT DRIVE	1.5 - HIGH STATIC BELT DRIVE
	NO. OF SPEEDS	1	1
	RATED LOAD AMPS	5	5
	LOCKED ROTOR AMPS	18	18
	MOTOR SPEED TAP - COOLING	---	---
	RPM	1725	1725
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	11 X 10	11 X 10
	RATED SCFM COOLING	2000	2400
	MAX EXTERNAL STATIC PRESS ("w.c.)	1.6	1.0
EVAPORATOR COIL	FACE AREA - SQ. FT.	7.8	7.8
	NUMBER OF ROWS	4	4
	FINS PER INCH	16	16
HEATING LIMITS	PRIMARY LIMIT SETTING (°F)	220	140
	AUXILIARY LIMIT SETTING (°F)	145	150
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL INFORMATION	FILTER SIZE	(4) 14"X 20" x 2"	(4) 14"X 20" x 2"
	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	ORIFICE (0.086)	ORIFICE (0.094)
	REFRIGERANT CHARGE R-410A (Oz.)	100.8	146
	POWER SUPPLY CONDUIT HOLE (")	1.125	1.125
	LOW VOLTAGE CONDUIT HOLE	1/2"	1/2"
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	55/95	55/95
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	645	700
	OPERATING WEIGHT LBS.	620	675

(1) Units installed in Canada are certified only to 4500 feet.

(2) 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.

PACKAGE GAS SPECIFICATIONS

CPG[060-072]XXX4BXXX

		CPG0600904BXXXC*	CPG0601404BXXXC*	CPG0721404BXXXC*
COOLING CAPACITY	COOLING CAPACITY, BTUH	58,000	58,000	71,000
	SEER/EER	13/11.1	13/11.1	11.0
HEATING CAPACITY	HIGH HEATING INPUT / OUTPUT BTUH	92,000 / 74,000	138,000 / 110,400	138,000 / 110,400
	LOW HEATING INPUT / OUTPUT BTUH	69,000 / 55,000	103,000 / 83,000	103,000 / 83,000
	A.F.U.E. (%)	80	80	80
	TEMPERATURE RISE (°F) HI/LOW	20 - 50 / 15 - 45	35 - 65 / 25 - 55	30 - 60 / 15 - 45
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	460/3/60	460/3/60	460/3/60
	UNIT AMPS (TOTAL)	10.5	10.5	13.4
	MINIMUM CIRCUIT AMPACITY	13	13	16
	MAXIMUM OVERCURRENT PROTECTION ⁽²⁾	20	20	25
HEATING SECTION	NUMBER OF BURNERS	4	6	6
	ORIFICE SIZE NATURAL	43	43	43
	ORIFICE SIZE LP	55	55	55
	PRESSURE SWITCH SETTING	0.34	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL	SCROLL
	RATED LOAD AMPS	7.8	7.8	9.7
	LOCKED ROTOR AMPS	52	52	62
CONDENSER FAN MOTOR	HORSEPOWER	1/4	1/4	1/3
	RPM	1090	1090	1075
	RATED LOAD AMPS	0.8	0.8	1.2
	LOCKED ROTOR AMPS	1.7	1.7	2.3
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/4	22/4	22/4
	NOMINAL CFM	3,800	3,800	4,300
CONDENSER COIL	FACE AREA - SQ. FT.	12.5	12.5	19
	NUMBER OF ROWS	2	2	2
	FINS PER INCH	27	27	27
EVAPORATOR BLOWER MOTOR	HORSEPOWER - TYPE	1.0 - STD STATIC BELT DRIVE	1.0 - STD STATIC BELT DRIVE	1.5 - STD STATIC BELT DRIVE
	NO. OF SPEEDS	1	1	1
	RATED LOAD AMPS	1.9	1.9	2.5
	LOCKED ROTOR AMPS	13	13	12
	MOTOR SPEED TAP - COOLING	---	---	---
	RPM	1725	1725	1725
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	11 X 10	11 X 10	11 X 10
	RATED SCFM COOLING	2000	2000	2,400
	MAX EXTERNAL STATIC PRESS ("w.c.)	1.0	1.0	1.0
EVAPORATOR COIL	FACE AREA - SQ. FT.	7.8	7.8	8.9
	NUMBER OF ROWS	4	4	4
	FINS PER INCH	16	16	16
HEATING LIMITS	PRIMARY LIMIT SETTING (°F)	160	220	140
	AUXILIARY LIMIT SETTING (°F)	145	145	150
	ROLLOUT LIMIT SETTING (°F)	350	350	350
GENERAL INFORMATION	FILTER SIZE	(4) 14" X 2" x 2"	(4) 14" X 20" x 2"	(4) 16" X 20" x 2"
	DRAIN SIZE (INCHES)	3/4"	3/4"	3/4"
	EXPANSION DEVICE	ORIFICE (0.086)	ORIFICE (0.086)	ORIFICE (0.094)
	REFRIGERANT CHARGE R-410A (Oz.)	100.8	100.8	146
	POWER SUPPLY CONDUIT HOLE (")	1.125	1.125	1.125
	LOW VOLTAGE CONDUIT HOLE	1/2"	1/2"	1/2"
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	55/95	55/95	55/95
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660	660
	SHIPPING WEIGHT LBS.	630	645	700
	OPERATING WEIGHT LBS.	610	620	675

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(2) 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.

PACKAGE GAS SPECIFICATIONS CPG[060-072]XXX7B/HXXX

		CPG0601407BXXXC*	CPG0721407BXXXC*	CPG0721407HXXXC*
COOLING CAPACITY	COOLING CAPACITY, BTUH	58,000	71,000	71,000
	SEER/VEER	13/11.1	11.0	11.0
HEATING CAPACITY	HIGH HEATING INPUT / OUTPUT BTUH	138,000 / 110,400	138,000 / 110,400	138,000 / 110,400
	LOW HEATING INPUT / OUTPUT BTUH	103,000 / 83,000	103,000 / 83,000	103,000 / 83,000
	A.F.U.E. (%)	80	80	80
	TEMPERATURE RISE (°F) HI/LOW	35 - 65 / 25 - 55	35 - 65 / 25 - 55	35 - 65 / 25 - 55
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	575/3/60	575/3/60	575/3/60
	UNIT AMPS (TOTAL)	8.58	8.58	8.58
	MINIMUM CIRCUIT AMPACITY	10	10	10
	MAXIMUM OVERCURRENT PROTECTION ⁽²⁾	15	15	15
HEATING SECTION	NUMBER OF BURNERS	6	6	6
	ORIFICE SIZE NATURAL	43	43	43
	ORIFICE SIZE LP	55	55	55
	PRESSURE SWITCH SETTING	0.34	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL	SCROLL
	RATED LOAD AMPS	5.7	5.7	5.7
	LOCKED ROTOR AMPS	38.9	38.9	38.9
CONDENSER FAN MOTOR	HORSEPOWER	1/4	1/4	1/4
	RPM	1075	1075	1075
	RATED LOAD AMPS	.58	.58	.58
	LOCKED ROTOR AMPS	1.61	2.3	2.3
CONDENSER FAN	BLADE DIAMETER (") / # OF BLADES	22/4	22/4	22/4
	NOMINAL CFM	3,800	3,800	3,800
CONDENSER COIL	FACE AREA - SQ. FT.	12.5	19	19
	NUMBER OF ROWS	2	2	2
	FINS PER INCH	27	27	27
EVAPORATOR BLOWER MOTOR	HORSEPOWER - TYPE	1.5 - STD STATIC BELT DRIVE	1.5 - STD STATIC BELT DRIVE	1.5 - HIGH STATIC BELT DRIVE
	NO. OF SPEEDS	NA	1	1
	RATED LOAD AMPS	2.3	2.3	2.3
	LOCKED ROTOR AMPS	11	12	12
	MOTOR SPEED TAP - COOLING	—	—	—
	RPM	1725	1725	1725
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	11 X 10	11 X 10	11 X 10
	RATED SCFM COOLING	2000	2400	2400
	MAX EXTERNAL STATIC PRESS ("w.c.)	1.0	1.0	1.0
EVAPORATOR COIL	FACE AREA - SQ. FT.	7.8	7.8	7.8
	NUMBER OF ROWS	4	4	4
	FINS PER INCH	16	16	16
HEATING LIMITS	PRIMARY LIMIT SETTING (°F)	220	140	140
	AUXILIARY LIMIT SETTING (°F)	145	150	150
	ROLLOUT LIMIT SETTING (°F)	350	350	350
GENERAL INFORMATION	FILTER SIZE	(4) 14" X 20" x 2"	(4) 14" X 20" x 2"	(4) 14" X 20" x 2"
	DRAIN SIZE (INCHES)	3/4"	3/4"	3/4"
	EXPANSION DEVICE	ORIFICE (0.086)	ORIFICE (0.094)	ORIFICE (0.094)
	REFRIGERANT CHARGE R-410A (Oz.)	100.8	146	146
	POWER SUPPLY CONDUIT HOLE (")	1.125	1.125	1.125
	LOW VOLTAGE CONDUIT HOLE	1/2"	1/2"	1/2"
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	55/95	55/95	55/95
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660	660
	SHIPPING WEIGHT LBS.	645	700	700
	OPERATING WEIGHT LBS.	620	675	675

(1) Units installed in Canada are certified only to 4500 feet.

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

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ACCESSORIES

CPC/CPH/CPG ACCESSORIES	
14CURB3672B	3 - 6 Ton Roof Curb 14" Tall 'B' Chassis
DNECONGS3672B	3 - 6 Ton Downflow Economizer for CPC 'B' Chassis
DNECONGS3672B-NR	3 - 6 Ton Downflow Economizer for CPC 'B' Chassis W/O Barometric Relief
HZECONGS3672B	3 - 6 Ton Horizontal Economizer for CPC 'B' Chassis
DNECONHP3672B	3 - 6 Ton Downflow Economizer for CPH 'B' Chassis
DNECONHP3672DB	3 - 6 Ton Downflow Economizer for CPH Dry Bulb
HZECONHP3672B	3 - 6 Ton Horizontal Economizer for CPH 'B' Chassis
25FD3672	3 - 6 Ton 25% Manual Fresh Air Damper
25MFD3672	3 - 6 Ton 25% Motorized Fresh Air Damper
PE36722B	3 - 6 Ton Power Exhaust 208/230v CP* Unit 'B' Chassis
PE36724B	3 - 6 Ton Power Exhaust 460v CP* Unit 'B' Chassis
BRD3672	Barometric Relief Damper
CDK36	3 Ton Concentric Duct Kit
CDK4872	4 - 6 Ton Concentric Duct Kit
DNSQRRND36B	3 Ton Downflow Square to Round Adapter 16" Round 'B' Chassis
DNSQRRND4872B	4 - 6 Ton Downflow Square to Round Adapter 18" Round 'B' Chassis
HAILGD03	Hail Guard Kit 3 - 5 Tons
HAILGD04	Hail Guard Kit - 6 Tons
SPKT01	Single Point Kit - Single Phase 3 - 6 ton B Chassis only
SPKT02	Single Point Kit - Three Phase 3- 6 Ton Chassis only
LAKT01	Low Ambient Kit
**EHK* - **	Heater Kits
HSKT036*	High Static Kits for 3 Ton Belt Drive
HSKT048*	High Static Kits for 4 Ton Belt Drive
HSKT060*	High Static Kits for 5 Ton Belt Drive
HSKT072*	High Static Kits for 6 Ton Belt Drive
IRKT-01	Isolation Realy Kit - CPH only
GFCI	Convenience Outlet 3 - 6 Ton Chassis only
OT18-60A	Outdoor Thermostat - All models

** Complete listing of EHK kits listed on electrical data page in this manual

***NOTE: High static airflow requires installation of high static kit (HSKT*), or factory-built High Static model.

BLOWER PERFORMANCE DATA

CPG060XXX*DXXX

DIRECT DRIVE - 5 TON

CPG 060 DIRECT DRIVE DOWNSHOT						CPG 060 DIRECT DRIVE HORIZONTAL FLOW					
Speed Tap	ESP, IN W.C.	Standard CFM	Amps	Watts	RPM	Speed Tap	ESP, IN W.C.	Standard CFM	Amps	Watts	RPM
T1	0.1	1237	1.64	180	638	T1	0.1	1416	1.63	176	588
	0.2	1191	1.75	194	682		0.2	1295	1.61	174	621
	0.3	1127	1.80	200	715		0.3	1200	1.68	186	660
	0.4	1065	1.89	214	753		0.4	1133	1.79	196	704
	0.5	994	1.97	220	797		0.5	1045	1.90	208	753
T2	0.1	1437	2.13	248	687	T2	0.1	1543	2.00	220	627
	0.2	1384	2.24	254	726		0.2	1485	2.12	236	671
	0.3	1312	2.29	262	759		0.3	1425	2.20	250	698
	0.4	1245	2.42	280	803		0.4	1352	2.26	258	748
	0.5	1185	2.54	294	847		0.5	1304	2.39	274	786
T3	0.1	1988	4.49	558	885	T3	0.1	2107	4.02	502	797
	0.2	1942	4.58	574	907		0.2	2031	4.13	518	819
	0.3	1882	4.69	582	935		0.3	1980	4.27	536	858
	0.4	1847	4.80	600	962		0.4	1954	4.37	554	880
	0.5	1784	4.87	612	990		0.5	1887	4.48	572	913
	0.6	1762	4.97	626	1008		0.6	1839	4.58	582	940
	0.7	1688	5.05	642	1039		0.7	1782	4.72	602	968
T4	0.1	2106	5.14	650	924	T4	0.1	2224	4.73	592	832
	0.2	2050	5.26	670	951		0.2	2165	4.79	612	860
	0.3	1993	5.32	678	969		0.3	2123	4.91	630	891
	0.4	1960	5.47	696	1001		0.4	2079	5.01	642	913
	0.5	1920	5.54	706	1021		0.5	2029	5.14	666	946
	0.6	1880	5.61	726	1041		0.6	1978	5.26	676	969
	0.7	1810	5.73	736	1072		0.7	1926	5.38	698	1001
	0.8	1760	5.81	750	1093		0.8	1872	5.48	712	1028
	0.9	1694	5.84	752	1122		0.9	1817	5.58	722	1056
T5	0.1	2199	5.87	762	968	T5	0.1	2318	5.42	700	874
	0.2	2146	5.96	772	989		0.2	2296	5.55	720	903
	0.3	2121	6.06	788	1012		0.3	2228	5.66	734	929
	0.4	2066	6.15	804	1039		0.4	2193	5.76	748	950
	0.5	2010	6.21	814	1056		0.5	2145	5.90	766	979
	0.6	1978	6.32	834	1084		0.6	2097	5.99	784	1012
	0.7	1919	6.28	830	1102		0.7	2054	6.10	798	1034
	0.8	1837	6.22	814	1122		0.8	1991	6.15	810	1050
	0.9	1738	6.04	786	1127		0.9	1952	6.26	826	1079

NOTES: Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.

SCFM correction for wet coil = 4%.

5 Ton models are shipped from the factory with speed tap set on T4.

BLOWER PERFORMANCE DATA

CPG060XXX*BXXX

BELT DRIVE - 5 TON

CPG060 STANDARD BELT DRIVE HORIZONTAL FLOW												
	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
ESP (IN W.C.)	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2					2460	0.96	2251	0.80	2073	0.65	1862	0.51
0.4			2408	1.00	2206	0.84	1982	0.68	1808	0.55	1572	0.41
0.6	2402	1.08	2173	0.89	1943	0.72	1701	0.55	1511	0.43		
0.8	2153	0.95	1917	0.77	1667	0.59						
1.0	1888	0.82	1634	0.63								
1.2	1601	0.67										

CPG060 HIGH STATIC BELT DRIVE HORIZONTAL FLOW												
	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
ESP (IN W.C.)	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6									2219	0.95	1970	0.75
0.8							2215	1.04	1956	0.82	1697	0.62
1.0					2240	1.15	1957	0.90	1681	0.67		
1.2			2260	1.26	1983	1.00	1683	0.74				
1.4	2288	1.38	2009	1.10	1711	0.84						
1.6	2032	1.21	1741	0.93								
1.8	1776	1.04										

CPG060 STANDARD BELT DRIVE DOWNSHOT												
	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
ESP (IN W.C.)	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2			2210	0.91	2041	0.76	1869	0.63	1739	0.52	1565	0.40
0.4	2197	0.98	2021	0.82	1841	0.67	1660	0.54	1521	0.44	1339	0.32
0.6	2002	0.88	1822	0.72	1635	0.58	1445	0.44	1288	0.35		
0.8	1799	0.77	1610	0.62	1425	0.48						
1.0	1587	0.67	1384	0.51								

CPG060 HIGH STATIC BELT DRIVE DOWNSHOT												
	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
ESP (IN W.C.)	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6					2262	1.16	2051	0.95	1851	0.76	1657	0.60
0.8			2277	1.27	2070	1.05	1852	0.84	1646	0.66		
1.0	2304	1.39	2089	1.15	1872	0.93	1647	0.72				
1.2	2104	1.26	1893	1.03	1668	0.81						
1.4	1912	1.13	1690	0.90								
1.6	1720	1.00										

NOTES:

Factory shipped at 2.5 turns open.

Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.

SCFM correction for wet coil = 4%.

*** **NOTE:** High static airflow requires installation of high static kit (HSKT*), or factory-built High Static model.

BLOWER PERFORMANCE DATA

CPG072XXX*BXXX

BELT DRIVE - 6 TON

CPG 072 STANDARD BELT DRIVE DOWNSHOT												
ESP (IN W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2					2625	1.18	2486	1.02	2322	0.83	2152	0.68
0.4	2765	1.52	2596	1.28	2476	1.09	2327	0.94	2159	0.75	1938	0.59
0.6	2650	1.43	2452	1.18	2325	1.00	2070	0.80	1898	0.64		
0.8	2443	1.29	2251	1.06	2068	0.86	1868	0.71				
1	2258	1.17	2040	0.94	1806	0.73						
1.2	2021	1.02										

CPG 072 HIGH STATIC BELT DRIVE DOWNSHOT												
ESP (IN W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6					2793	1.64	2575	1.37	2407	1.15	2250	0.96
0.8			2775	1.76	2638	1.53	2407	1.25	2226	1.04	2011	0.84
1	2821	1.89	2660	1.67	2407	1.36	2194	1.12	2012	0.92		
1.2	2696	1.79	2497	1.54	2228	1.23	1977	0.98				
1.4	2455	1.59	2236	1.35	2013	1.10						
1.6	2262	1.44	2032	1.20								
1.8	2069	1.30										

CPG 072 STANDARD BELT DRIVE HORIZONTAL FLOW												
ESP (IN W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2							2749	1.18	2573	0.96	2402	0.79
0.4					2680	1.22	2544	1.06	2346	0.84	2164	0.68
0.6			2655	1.31	2498	1.10	2306	0.92	2094	0.72	1890	0.57
0.8	2703	1.47	2486	1.20	2263	0.97	2076	0.81				
1	2515	1.34	2272	1.07	2002	0.83						
1.2	2253	1.16	2028	0.93								

CPG 072 HIGH STATIC BELT DRIVE HORIZONTAL FLOW												
ESP (IN W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6									2677	1.29	2486	1.07
0.8							2690	1.42	2529	1.20	2263	0.94
1					2740	1.60	2471	1.27	2246	1.02	1972	0.79
1.2			2748	1.74	2518	1.44	2255	1.13	1970	0.87		
1.4	2797	1.87	2562	1.59	2273	1.27	2025	0.99				
1.6	2556	1.67	2314	1.40	2035	1.11						
1.8	2342	1.50	2037	1.21								
2	2137	1.35										

NOTES:

Factory shipped at 2.5 turns open.

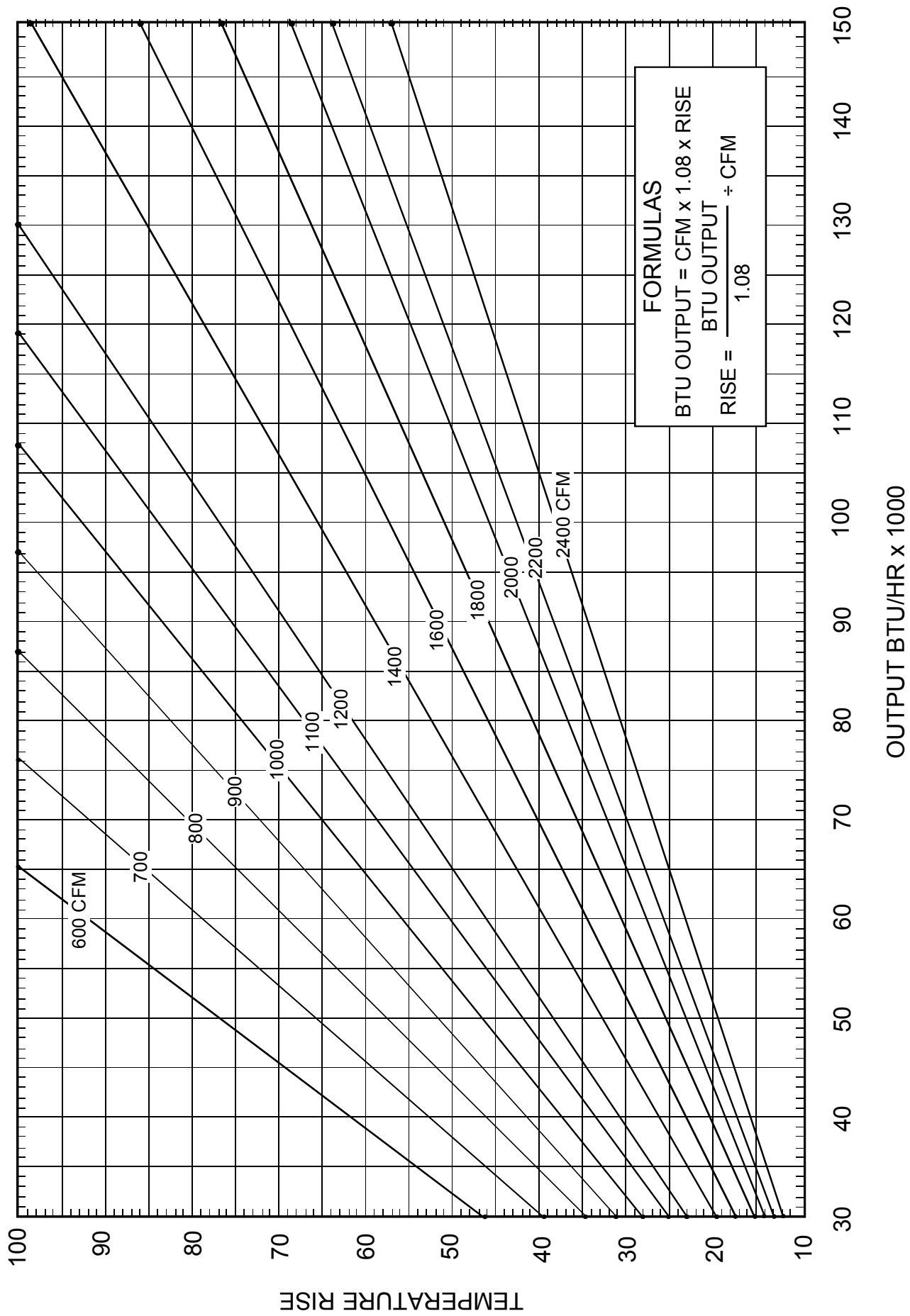
Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.

SCFM correction for wet coil = 4%.

*** **NOTE:** High static airflow requires installation of high static kit (HSKT*), or factory-built High Static model.

BLOWER PERFORMANCE DATA

BTU OUTPUT vs TEMPERATURE RISE CHART



COOLING PERFORMANCE DATA

CPG060XXX**XXX

MODEL: CPG060XXX**XXX C* EXPANDED PERFORMANCE DATA COOLING OPERATION

IDB*		Airflow		Outdoor Ambient Temperature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				65							75							85							95							105							115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
70	2150	MBh	56.8	58.9	64.5	-	55.5	57.5	63.0	-	54.2	56.2	61.5	-	52.9	54.8	60.0	-	50.2	52.1	57.0	-	46.5	48.2	52.8	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

MODEL: CPG060XXX**XXX C*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

IDB*		Outdoor Ambient Temperature																																																			
		65								75								85								95								105								115											
		Entering Indoor Wet Bulb Temperature							Entering Indoor Wet Bulb Temperature							Entering Indoor Wet Bulb Temperature							Entering Indoor Wet Bulb Temperature							Entering Indoor Wet Bulb Temperature							Entering Indoor Wet Bulb Temperature																
		Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																			
80	2150	MBh	58.8	60.1	64.2	68.7	57.5	58.7	62.7	67.1	56.1	57.3	61.2	65.5	54.7	55.9	59.7	63.9	52.0	53.1	56.8	60.7	48.2	49.2	52.6	56.2	1.00	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.90	0.80	0.60	1.00	0.83	0.62	1.00	0.70	0.55	0.40	0.25	0.10	0.05	0.02	0.01			
		S/T	25	24	21	17	25	24	21	17	24	25	21	17	23	24	21	17	22	23	21	17	21	21	19	16	4.13	4.22	4.36	4.50	4.45	4.55	4.70	4.85	4.74	4.84	5.00	5.17	4.99	5.10	5.27	5.45	5.20	5.32	5.50	5.68	5.39	5.51	5.69	5.89			
		KW	247	266	281	293	278	299	315	329	316	340	359	374	360	387	409	426	404	435	460	479	447	481	508	530	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170			
		HI PR	57.1	58.4	62.4	66.7	55.8	57.0	60.9	65.1	54.5	55.6	59.5	63.6	53.1	54.3	58.0	62.0	50.5	51.6	55.1	58.9	46.8	47.8	51.0	54.6	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	1.00	0.80	0.61	1.00	0.70	0.51	0.35	0.20	0.10	0.05	0.02	0.01
		LO PR	26	25	22	17	26	25	22	18	26	25	22	18	26	25	22	18	24	25	22	17	23	23	20	16	4.10	4.19	4.32	4.46	4.42	4.51	4.66	4.81	4.70	4.80	4.96	5.13	4.95	5.06	5.23	5.40	5.16	5.27	5.45	5.64	5.34	5.46	5.64	5.84			
		MBh	245	264	278	290	275	296	312	326	313	336	355	370	356	383	405	422	400	431	455	475	442	476	503	524	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168			
		KW	52.7	53.9	57.5	61.5	51.5	52.6	56.2	60.1	50.3	51.4	54.9	58.7	49.0	50.1	53.5	57.2	46.6	47.6	50.9	54.4	43.2	44.1	47.1	50.4	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	0.99	0.93	0.76	0.57	1.03	0.97	0.79	0.59	1.04	0.98	0.79	0.59			
		LO PR	27	26	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17	4.00	4.09	4.21	4.35	4.31	4.40	4.54	4.69	4.58	4.68	4.84	5.00	4.82	4.93	5.09	5.26	5.03	5.14	5.31	5.49	5.20	5.32	5.50	5.69			
		HI PR	238	256	270	282	267	287	303	316	303	326	344	359	345	372	392	409	388	418	441	460	429	462	488	509	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163			
		LO PR	59.9	61.0	63.9	66.2	58.5	59.6	62.4	66.6	57.1	58.2	60.9	65.0	55.7	56.8	59.4	63.4	52.9	53.9	56.5	60.2	49.0	49.9	52.3	55.8	S/T	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.84		
85	2150	Delta T	26	26	25	21	25	25	25	22	24	25	25	22	24	24	25	22	23	23	24	21	21	21	22	20	4.16	4.25	4.39	4.53	4.49	4.59	4.74	4.89	4.78	4.88	5.04	5.21	5.03	5.14	5.31	5.49	5.25	5.36	5.54	5.73	5.43	5.55	5.74	5.94			
		KW	250	269	284	296	280	302	319	332	319	343	362	378	363	391	413	430	409	440	464	484	451	486	513	535	110	118	129	137	117	124	136	145	122	129	141	150	128	136	148	158	134	142	155	166	138	147	161	171			
		LO PR	58.1	59.2	62.0	66.2	56.8	57.9	60.6	64.6	55.4	56.5	59.2	63.1	54.1	55.1	57.7	61.6	51.4	52.3	54.8	58.5	47.6	48.5	50.8	54.2	S/T	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.99	0.80		
		Delta T	28	27	26	22	27	28	26	23	27	27	26	23	26	27	26	23	25	25	26	22	23	23	24	21	4.13	4.22	4.36	4.50	4.45	4.55	4.70	4.85	4.74	4.84	5.00	5.17	4.99	5.10	5.27	5.45	5.20	5.32	5.50	5.68	5.39	5.51	5.69	5.89			
		KW	247	266	281	293	278	299	315	329	316	340	359	374	360	387	409	426	404	435	460	479	447	481	508	530	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170			
		LO PR	53.6	54.7	57.3	61.1	52.4	53.4	55.9	59.7	51.1	52.1	54.6	58.2	49.9	50.9	53.3	56.8	47.4	48.3	50.6	54.0	43.9	44.8	46.9	50.0	S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77		
		Delta T	28	28	26	23	29	28	27	23	28	28	27	23	28	28	27	23	26	27	27	23	24	25	25	21	4.03	4.12	4.25	4.39	4.34	4.44	4.58	4.73	4.62	4.72	4.88	5.04	4.86	4.97	5.14	5.31	5.07	5.18	5.36	5.54	5.25	5.37	5.55	5.74			
		KW	240	258	273	284	269	290	306	319	306	330	348	363	349	375	396	413	392	422	446	465	433	466	493	514	106	113	124	132	112	120	131	139	117	124	136	144	123	131	142	152	129	137	149	159	133	141	154	165			
		LO PR																																																			

* NOTE: Shaded areas are TVA and A-HRI Rating Conditions

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

KW = Total system power

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

MODEL: CPG072XXX**XXX C*										EXPANDED PERFORMANCE DATA										COOLING OPERATION																																																																																																			
										Outdoor Ambient Temperature																																																																																																													
										65										75										85										95										105										115																																																											
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																																																																																		
70	2650	MBh	69.6	72.1	79.0	-	68.0	70.4	77.2	-	66.3	68.8	75.3	-	64.7	67.1	73.5	-	61.5	63.7	69.8	-	57.0	59.0	64.7	-	57.0	59.0	64.7	-	57.0	59.0	64.7	-	57.0	59.0	64.7	-																																																																																	
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-																																																																																	
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-																																																																																	
		KW	5.10	5.20	5.35	-	5.47	5.58	5.75	-	5.79	5.91	6.09	-	6.08	6.21	6.40	-	6.32	6.46	6.66	-	6.53	6.67	6.89	-	6.53	6.67	6.89	-	6.53	6.67	6.89	-	6.53	6.67	6.89	-																																																																																	
		HI PR	235	253	267	-	263	283	299	-	299	322	340	-	341	367	388	-	384	413	436	-	424	456	482	-	424	456	482	-	424	456	482	-	424	456	482	-																																																																																	
	LO PR	108	115	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	135	143	156	-	135	143	156	-	135	143	156	-	135	143	156	-																																																																																		
	MBh	67.5	70.0	76.7	-	66.0	68.4	74.9	-	64.4	66.8	73.1	-	62.8	65.1	71.4	-	59.7	61.9	67.8	-	55.3	57.3	62.8	-	55.3	57.3	62.8	-	55.3	57.3	62.8	-	55.3	57.3	62.8	-																																																																																		
	S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-	0.82	0.69	0.48	-	0.82	0.69	0.48	-	0.82	0.69	0.48	-																																																																																		
	Delta T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-																																																																																		
	KW	5.06	5.16	5.31	-	5.43	5.54	5.70	-	5.75	5.87	6.05	-	6.03	6.16	6.35	-	6.27	6.41	6.61	-	6.48	6.62	6.83	-	6.48	6.62	6.83	-	6.48	6.62	6.83	-	6.48	6.62	6.83	-																																																																																		
2050	HI PR	232	250	264	-	261	281	296	-	297	319	337	-	338	363	384	-	380	409	432	-	420	452	477	-	420	452	477	-	420	452	477	-	420	452	477	-																																																																																		
	LO PR	107	113	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	133	142	155	-	133	142	155	-	133	142	155	-	133	142	155	-																																																																																		
	MBh	62.3	64.6	70.8	-	60.9	63.1	69.2	-	59.4	61.6	67.5	-	58.0	60.1	65.9	-	55.1	57.1	62.6	-	51.0	52.9	58.0	-	51.0	52.9	58.0	-	51.0	52.9	58.0	-	51.0	52.9	58.0	-																																																																																		
	S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-	0.80	0.66	0.46	-	0.80	0.66	0.46	-	0.80	0.66	0.46	-																																																																																		
	Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-																																																																																		
75	2650	KW	4.95	5.05	5.19	-	5.30	5.41	5.57	-	5.61	5.73	5.90	-	5.89	6.01	6.20	-	6.12	6.25	6.45	-	6.33	6.46	6.67	-	6.33	6.46	6.67	-	6.33	6.46	6.67	-	6.33	6.46	6.67	-																																																																																	
		HI PR	225	243	256	-	253	272	287	-	288	310	327	-	328	353	372	-	369	397	419	-	407	438	463	-	407	438	463	-	407	438	463	-	407	438	463	-																																																																																	
		LO PR	103	110	120	-	109	116	127	-	114	121	132	-	119	127	139	-	125	133	145	-	129	138	150	-	129	138	150	-	129	138	150	-	129	138	150	-																																																																																	
		MBh	70.8	72.8	78.9	84.6	69.1	71.2	77.0	82.7	67.5	69.5	75.2	80.7	65.8	67.8	73.3	78.7	62.5	64.4	69.7	74.8	57.9	59.6	64.5	69.3	57.9	59.6	64.5	69.3	57.9	59.6	64.5	69.3	57.9	59.6	64.5	69.3																																																																																	
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43	0.98	0.88	0.67	0.43	0.98	0.88	0.67	0.43	0.98	0.88	0.67	0.43																																																																																	
	Delta T	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10																																																																																		
	KW	5.14	5.24	5.40	5.56	5.51	5.62	5.79	5.97	5.84	5.96	6.14	6.34	6.13	6.26	6.45	6.66	6.37	6.51	6.72	6.93	6.59	6.73	6.94	7.17	6.59	6.73	6.94	7.17	6.59	6.73	6.94	7.17	6.59	6.73	6.94	7.17																																																																																		
	HI PR	237	255	269	281	266	286	302	315	303	326	344	359	345	371	392	408	388	417	441	459	428	461	487	508	428	461	487	508	428	461	487	508	428	461	487	508																																																																																		
	LO PR	109	116	126	135	115	122	133	142	119	127	139	148	125	133	146	155	131	140	153	163	136	145	158	168	136	145	158	168	136	145	158	168	136	145	158	168																																																																																		
	MBh	68.7	70.7	76.6	82.2	67.1	69.1	74.8	80.3	65.5	67.4	73.0	78.3	63.9	65.8	71.2	76.4	60.7	62.5	67.7	72.6	56.2	57.9	62.7	67.3	56.2	57.9	62.7	67.3	56.2	57.9	62.7	67.3	56.2	57.9	62.7	67.3																																																																																		
S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41																																																																																			
Delta T	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	12	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11																																																																																			
2350	KW	5.10	5.20	5.36	5.52	5.47	5.58	5.75	5.93	5.79	5.91	6.10	6.29	6.08	6.21	6.40	6.61	6.32	6.46	6.66	6.88	6.54	6.68	6.89	7.11	6.54	6.68	6.89	7.11	6.54	6.68	6.89	7.11	6.54	6.68	6.89	7.11																																																																																		
	HI PR	235	253	267	278	263	283	299	312	300	322	340	355	341	367	388	404	384	413	436	455	424	456	482	503	424	456	482	503	424	456	482	503	424	456	482	503																																																																																		
	LO PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	138	151	161	135	143	156	167	135	143	156	167	135	143	156	167	135	143	156	167																																																																																		
	MBh	63.4	65.3	70.7	75.8	61.9	63.8	69.0	74.1	60.5	62.2	67.4	72.3	59.0	60.7	65.7	70.5	56.0	57.7	62.4	67.0	51.9	53.4	57.8	62.1	51.9	53.4	57.8	62.1	51.9	53.4	57.8	62.1	51.9	53.4	57.8	62.1																																																																																		
	S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39																																																																																		
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	21	19	16	11	21	19	16	11	21	19	16	11																																																																																			
2050	KW	4.99	5.08	5.23	5.39	5.34	5.45	5.61	5.79	5.66	5.77	5.95	6.14	5.94	6.06	6.25	6.45	6.17	6.30	6.50	6.71	6.38	6.51	6.72	6.94	6.38	6.51	6.72	6.94	6.38	6.51	6.72	6.94	6.38	6.51	6.72	6.94																																																																																		
	HI PR	228	245	259	270	255	275	290	303	291	313	330	344	331	356	376	392	372	401	423	441	411	443	467	488	411	443	467	488	411	443	467	488	411	443	467	488																																																																																		
	LO PR	104	111	121	129	110	117	128	136	115	122	133	142	120	128	140	149	126	134	147	156	131	139	152	162	131	139	152	162	131	139	152	162	131	139	152	162																																																																																		
	MBh	63.4	65.3	70.7	75.8	61.9	63.8	69.0	74.1	60.5	62.2	67.4	72.3	59.0	60.7	65.7	70.5	56.0	57.7	62.4	67.0	51.9	53.4	57.8	62.1	51.9	53.4	57.8	62.1	51.9	53.4	57.8	62.1	51.9	53.4	57.8	62.1																																																																																		
	S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39																																																																																		
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	21	19	16	11																																																																																											

MODEL: CPG072XXX**XXX C*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

		Outdoor Ambient Temperature																								
		65				75				85				95				105				115				
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	2650	MBh	72.0	73.6	78.6	84.0	70.3	71.9	76.8	82.1	68.7	70.2	75.0	80.1	67.0	68.4	73.1	78.2	63.6	65.0	69.5	74.3	58.9	60.2	64.4	68.8
		S/T	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62
		Delta T	23	22	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	23	20	16	20	21	18	15
		KW	5.18	5.28	5.44	5.60	5.55	5.67	5.84	6.02	5.88	6.01	6.19	6.39	6.18	6.31	6.51	6.71	6.43	6.56	6.77	6.99	6.64	6.78	7.00	7.23
		HI PR	239	258	272	284	269	289	305	318	306	329	347	362	348	375	396	413	392	421	445	464	433	466	492	513
	LO PR	110	117	128	136	116	123	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170	
	2350	MBh	69.9	71.4	76.3	81.6	68.3	69.8	74.6	79.7	66.7	68.1	72.8	77.8	65.0	66.5	71.0	75.9	61.8	63.1	67.5	72.1	57.2	58.5	62.5	66.8
		S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
		Delta T	24	23	20	16	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	16	22	22	19	15
		KW	5.14	5.24	5.40	5.56	5.51	5.62	5.79	5.97	5.84	5.96	6.14	6.34	6.13	6.26	6.45	6.66	6.38	6.51	6.72	6.93	6.59	6.73	6.94	7.17
HI PR		237	255	269	281	266	286	302	315	303	326	344	359	345	371	392	408	388	417	441	459	428	461	487	508	
LO PR	109	116	126	135	115	122	133	142	119	127	139	148	125	133	146	155	131	140	153	163	136	145	158	168		
2050	MBh	64.5	65.9	70.4	75.3	63.0	64.4	68.8	73.6	61.5	62.9	67.2	71.8	60.0	61.3	65.5	70.1	57.0	58.3	62.3	66.6	52.8	54.0	57.7	61.6	
	S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.57	
	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	26	24	21	17	25	24	21	17	23	23	20	16	
	KW	5.02	5.12	5.27	5.43	5.38	5.49	5.66	5.83	5.70	5.82	6.00	6.19	5.98	6.11	6.30	6.50	6.22	6.35	6.55	6.76	6.43	6.57	6.77	6.99	
	HI PR	230	247	261	273	258	278	293	306	293	316	334	348	334	360	380	396	376	405	427	446	415	447	472	492	
LO PR	106	112	123	130	111	119	129	138	116	123	135	143	122	129	141	151	128	136	148	158	132	140	153	163		
85	2650	MBh	73.3	74.7	78.2	83.5	71.6	73.0	76.4	81.5	69.9	71.2	74.6	79.6	68.2	69.5	72.8	77.6	64.7	66.0	69.1	73.7	60.0	61.1	64.0	68.3
		S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
		Delta T	25	25	23	20	25	25	24	20	24	25	24	20	24	24	24	21	22	23	23	20	21	21	22	19
		KW	5.21	5.32	5.48	5.65	5.59	5.71	5.88	6.07	5.93	6.05	6.24	6.44	6.23	6.36	6.56	6.77	6.48	6.62	6.83	7.05	6.69	6.84	7.06	7.29
		HI PR	242	260	275	287	271	292	308	322	309	332	351	366	352	378	399	417	395	426	449	469	437	470	497	518
	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	
	2350	MBh	71.1	72.5	75.9	81.0	69.5	70.8	74.2	79.1	67.8	69.1	72.4	77.3	66.2	67.5	70.6	75.4	62.9	64.1	67.1	71.6	58.2	59.4	62.2	66.3
		S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		Delta T	26	26	24	21	26	26	25	21	26	26	25	21	26	26	25	21	25	25	24	21	23	23	23	20
		KW	5.18	5.28	5.44	5.60	5.55	5.67	5.84	6.02	5.88	6.01	6.19	6.39	6.18	6.31	6.51	6.71	6.43	6.56	6.77	6.99	6.64	6.78	7.00	7.23
HI PR		239	258	272	284	269	289	305	318	306	329	347	362	348	375	396	413	392	421	445	464	433	466	492	513	
LO PR	110	117	128	136	116	123	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170		
2050	MBh	65.7	66.9	70.1	74.8	64.1	65.4	68.5	73.0	62.6	63.8	66.8	71.3	61.1	62.3	65.2	69.6	58.0	59.1	61.9	66.1	53.7	54.8	57.4	61.2	
	S/T	0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73	
	Delta T	27	26	25	21	27	27	25	22	27	27	25	22	27	27	25	22	26	26	25	22	24	25	23	20	
	KW	5.06	5.16	5.31	5.47	5.42	5.53	5.70	5.88	5.75	5.87	6.05	6.24	6.03	6.16	6.35	6.55	6.27	6.41	6.61	6.82	6.48	6.62	6.83	7.05	
	HI PR	232	250	264	275	261	280	296	309	296	319	337	351	338	363	384	400	380	409	432	450	420	452	477	497	
LO PR	107	113	124	132	113	120	131	139	117	124	136	145	123	131	143	152	129	137	150	159	133	142	155	165		

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.

CPG060[090-140]1DXXX



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



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

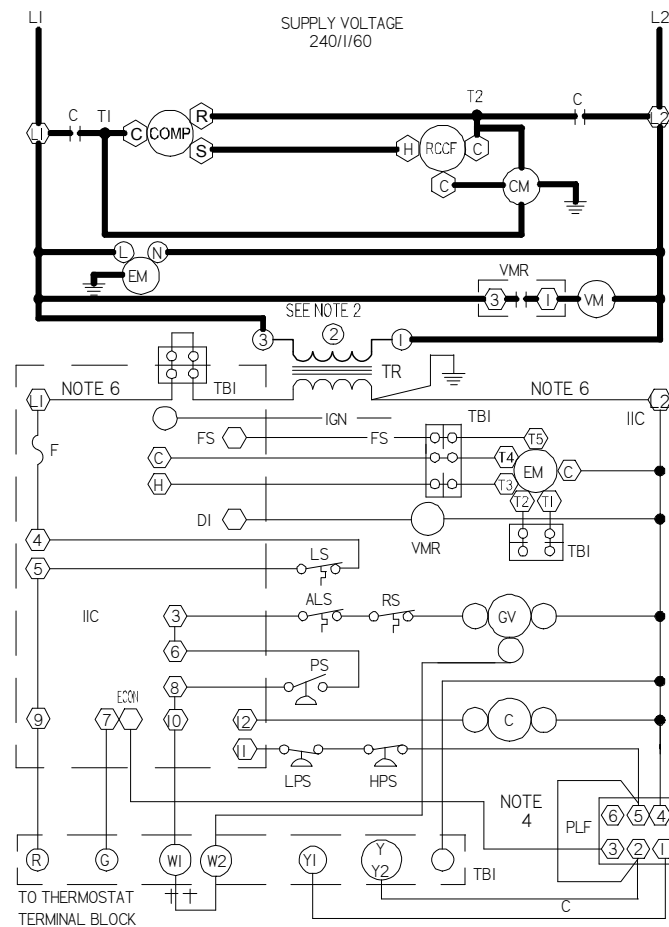
WIRING DIAGRAMS

CPG060[090-140]1DXXX



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
EM	EVAPORATOR MOTOR
F	FUSE
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
HPS	HIGH PRESSURE SWITCH
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LPS	LOW PRESSURE SWITCH
LS	LIMIT SWITCH
PLF	FEMALE PLUG/CONNECTOR
PS	PRESSURE SWITCH
RCCF	RUN CAPACITOR FOR COMPRESSOR/FAN
RS	ROLLOUT SWITCH
TBI	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VM	VENT MOTOR
VMR	VENT MOTOR RELAY

NOTES

- REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. (USE COPPER CONDUCTOR ONLY).
- FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL (3) TO TERMINAL (2) ON TRANSFORMER.
- 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)
T3 - LOW SPEED
T4 - HIGH SPEED
HEATING SPEED (WHITE WIRE)
T1 - LOW SPEED (070)
T2 - MED. SPEED
T5 - HIGH SPEED (140)
- ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY.
- USE COPPER CONDUCTORS ONLY.
++ USE NEC CLASS 2 WIRE.
- L1 AND L2 ON ICC CONTROL IS 24V INPUT.
- SPEED TAP TERMINATIONS SHOWN ON DIAGRAM ARE REPRESENTATIVE, BUT ACTUAL FACTORY SETTINGS MAY BE DIFFERENT BASED ON THE HEATING VALUE OF THE UNIT.
- FOR LOW STAGE OPERATION ONLY, REMOVE WHITE JUMPER. FOR 2 STAGE OPERATION, REMOVE JUMPER AND CONNECT W2 TO W2 ON THERMOSTAT.

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

240/1/60 0140L00429 REV B

FACTORY WIRING

	LINE VOLTAGE
	LOW VOLTAGE
	OPTIONAL HIGH VOLTAGE

FIELD WIRING

	HIGH VOLTAGE
	LOW VOLTAGE

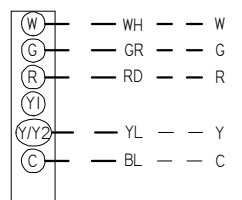
WIRE CODE

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW
BL/PK	BLUE WITH PINK STRIP
YL/PK	YELLOW WITH PINK STRIP

THERMOSTAT

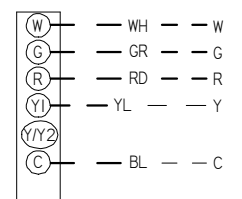
FIELD WIRING ++

NO ECONOMIZER



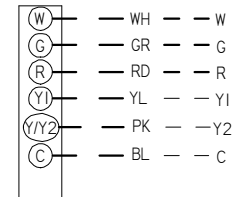
TBI STAT

WITH ECONOMIZER OPTION



TBI STAT

2 STAGE COOLING



TBI STAT

INSTALLER/SERVICEMAN

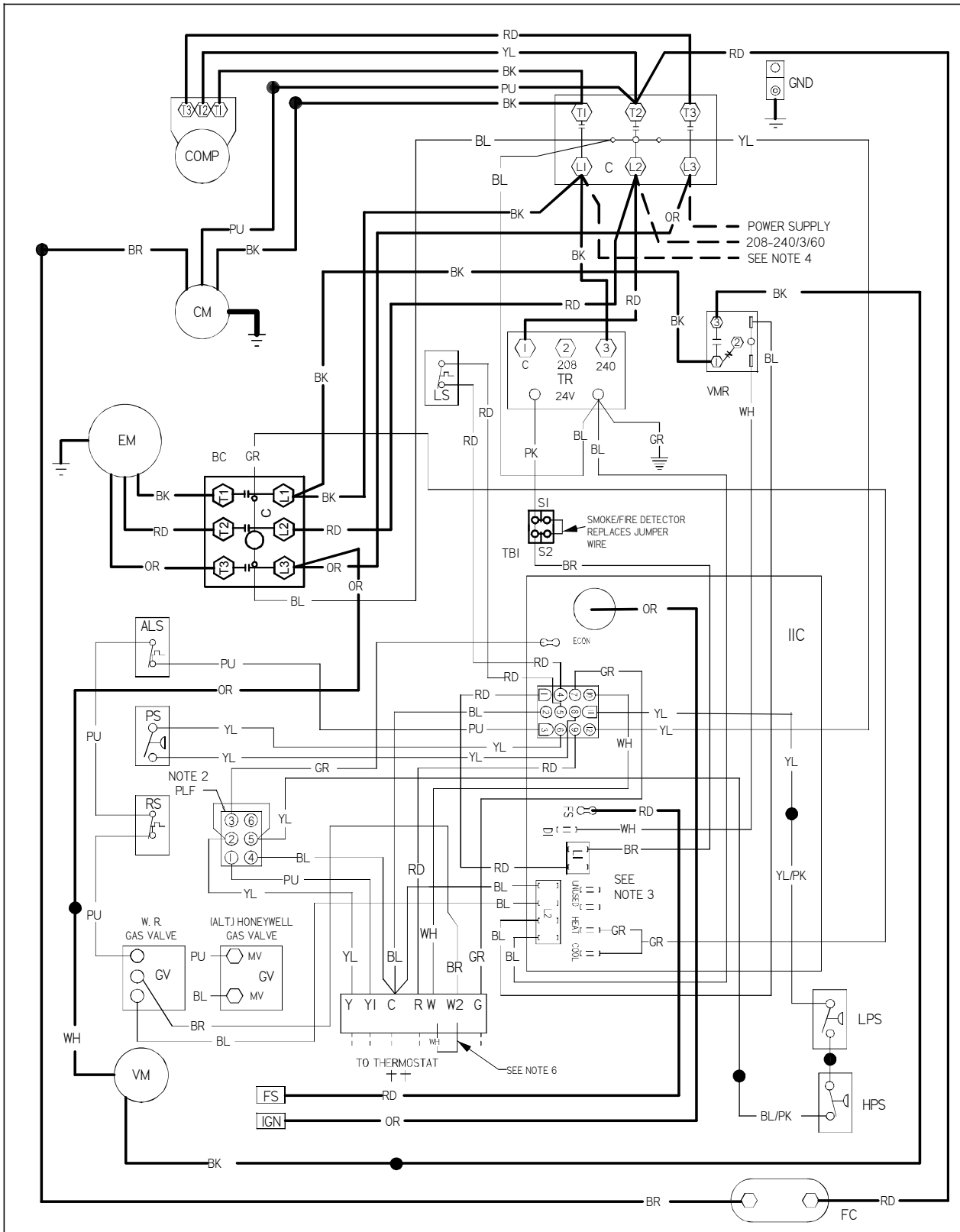
THE STATUS LIGHT ON THE FURNACE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. STATUS LIGHT CODES ARE AS FOLLOWS:

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



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.



208-240/3/60 0140L00981 REV B

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

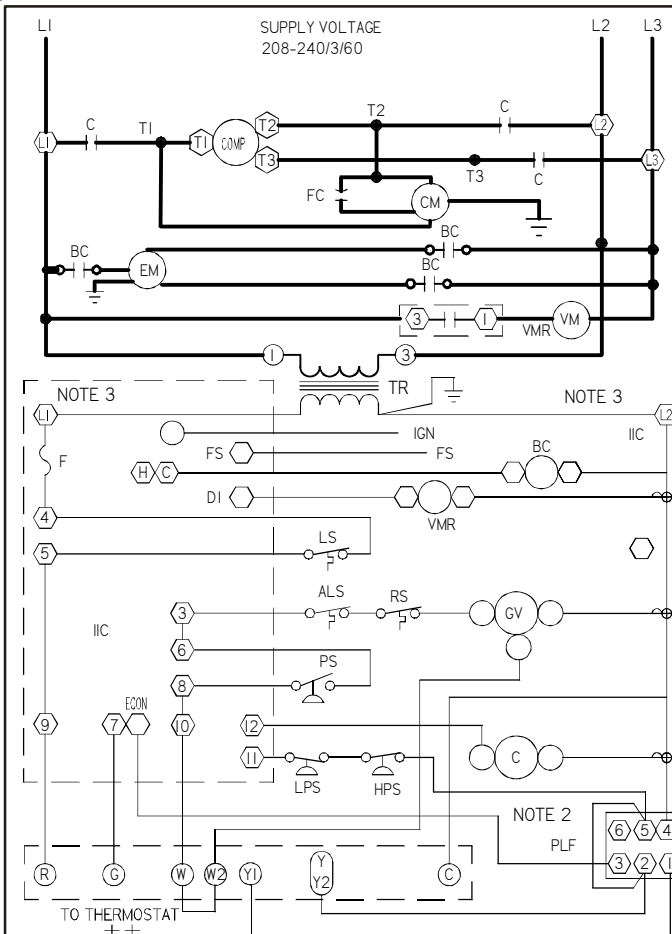
WIRING DIAGRAMS

CPG[036-072]XXX3BXXX



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
BC	BLOWER CONTACTOR
COMP	COMPRESSOR
CM	CONDENSER MOTOR
C	CONTACTOR
EM	EVAPORATOR MOTOR
F	FUSE
FC	FAN CAPACITOR
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
HPS	HIGH PRESSURE SWITCH
IBR	INDOOR BLOWER RELAY
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LPS	LOW PRESSURE SWITCH
LS	LIMIT SWITCH
PLF	FEMALE PLUG/CONNECTOR
PS	PRESSURE SWITCH
RS	ROLLOUT SWITCH
TBI	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VM	VENT MOTOR
VMR	VENT MOTOR RELAY

NOTES

- REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. (USE COPPER CONDUCTOR ONLY).
- ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
- L1 AND L2 ON IIC CONTROL IS 24V INPUT.
- USE COPPER CONDUCTORS ONLY.
++ USE NEC CLASS 2 WIRE.
- FOR 208 VOLT TRANSFORMER OPERATION, MOVE BLACK WIRE FROM TERMINAL (3) TO TERMINAL (2) ON TRANSFORMER.
- FOR LOW STAGE OPERATION ONLY, REMOVE WHITE JUMPER. FOR 2 STAGE OPERATION, REMOVE JUMPER AND CONNECT W2 TO W2 ON THERMOSTAT.

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	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
1 BLINK	IGNITION FAILURE	GAS FLOW GAS PRESSURE GAS VALVE
	OPEN ROLLOUT SWITCH	FLAME SENSOR FLAME ROLLOUT BAD SWITCH
	OPEN AUX. LIMIT 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

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 WITH PINK STRIP
YL/PK	YELLOW WITH PINK STRIP

THERMOSTAT

FIELD WIRING

++

NO ECONOMIZER

(W)	—	WH	—	W
(G)	—	GR	—	G
(R)	—	RD	—	R
(Y)	—	YL	—	Y
(Y/Y2)	—	BL	—	C
(C)	—			

TBI STAT

WITH ECONOMIZER OPTION

(W)	—	WH	—	W
(G)	—	GR	—	G
(R)	—	RD	—	R
(Y)	—	YL	—	Y
(Y/Y2)	—	PK	—	Y2
(C)	—	BL	—	C

TBI STAT

2-STAGE COOLING

(W)	—	WH	—	W
(G)	—	GR	—	G
(R)	—	RD	—	R
(Y)	—	YL	—	Y
(Y/Y2)	—	PK	—	Y2
(C)	—	BL	—	C

TBI STAT

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

208-240/3/60 0140L00981 REV B

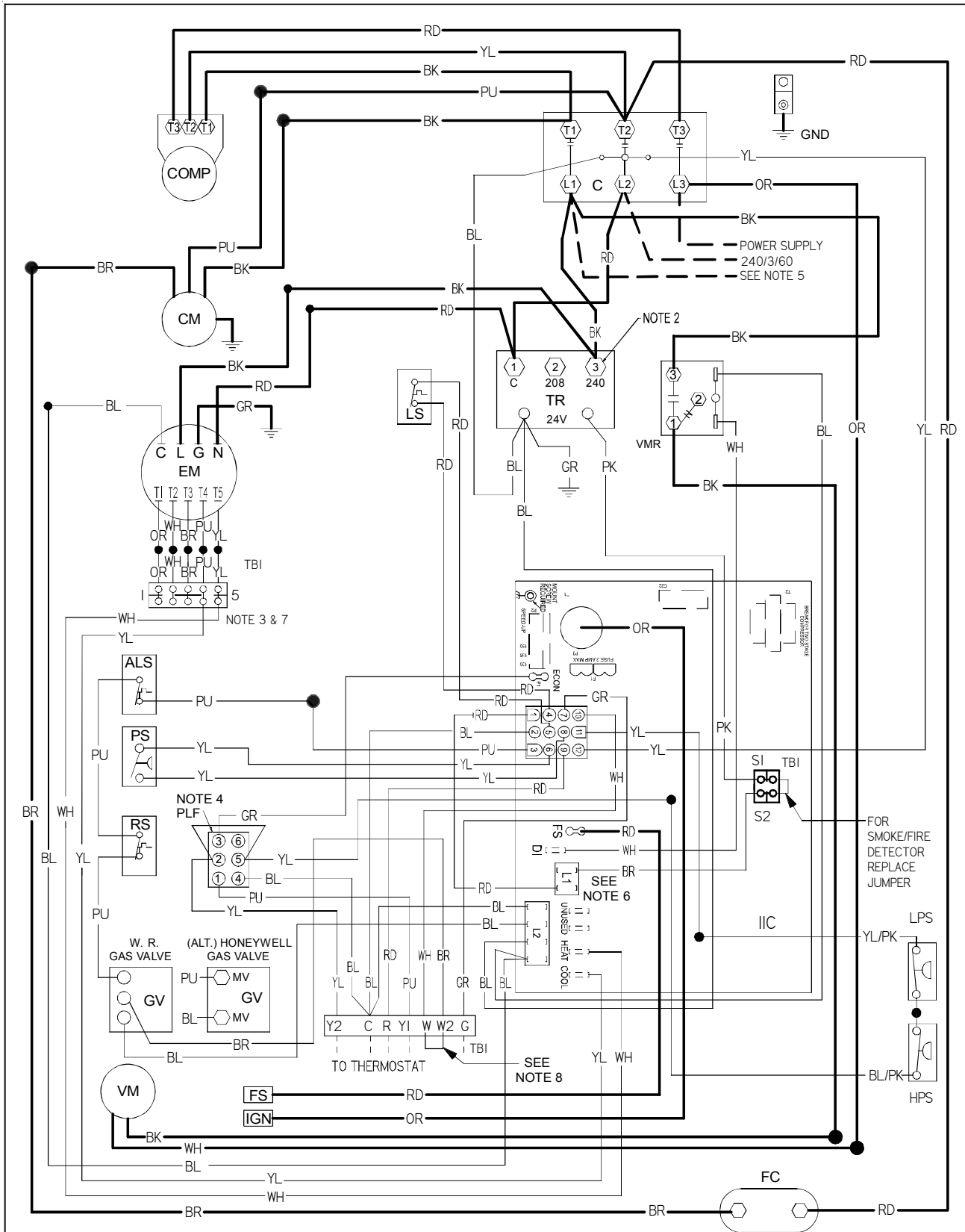
WIRING DIAGRAMS

CPG060XXX3DXXX



WARNING

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



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

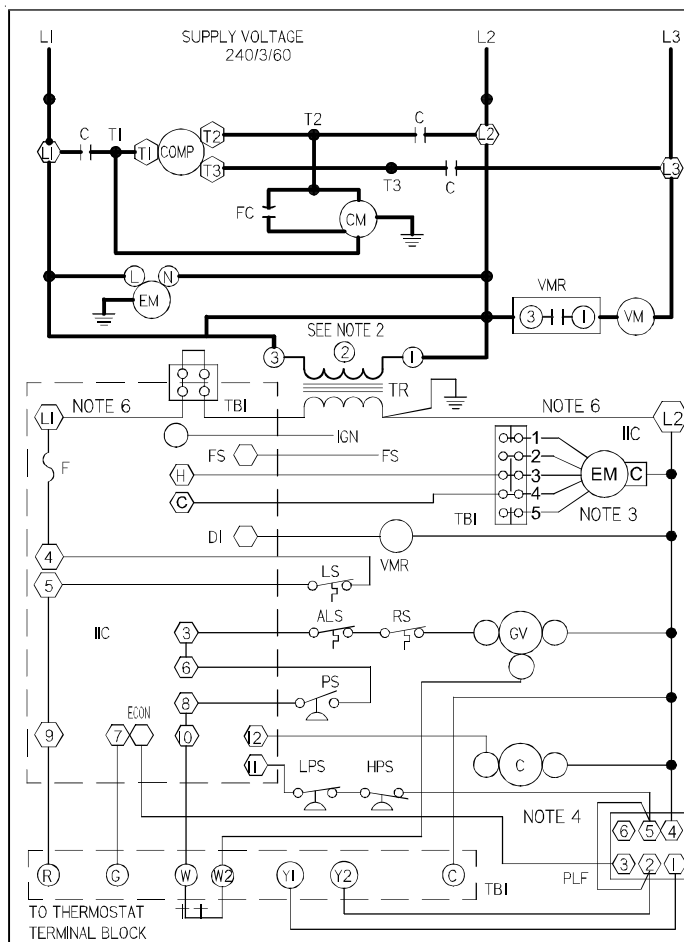
WIRING DIAGRAMS

CPG060XXX3DXXX



WARNING

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COMPONENT LEGEND

ALS	AUXILIARY LIMIT SWITCH
COMP	COMPRESSOR
CM	CONDENSER MOTOR
C	CONTACTOR
EM	EVAPORATOR MOTOR
F	FUSE
FC	FAN CAPACITOR
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
HPS	HIGH PRESSURE SWITCH
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LS	LIMIT SWITCH
LPS	LOW PRESSURE SWITCH
PLF	FEMALE PLUG/CONNECTOR
PS	PRESSURE SWITCH
RS	ROLLOUT SWITCH
TBI	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VM	VENT MOTOR
VMR	VENT MOTOR RELAY

NOTES

- REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (USE COPPER CONDUCTOR ONLY).
- FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRES FROM TERMINAL (3) TO TERMINAL (2) ON TRANSFORMER.
- FOR DIFFERENT THAN FACTORY SPEED TAP, CHANGE COOLING SPEED AT MOTOR T3 AND T4 TERMINALS, CHANGE HEATING SPEED AT MOTOR T1, T2, AND T5 TERMINALS
COOLING SPEED (YELLOW WIRE)
T3 - LOW SPEED
T4 - HIGH SPEED
HEATING SPEED (WHITE WIRE)
T1 - LOW SPEED (070)
T2 - MED. SPEED
T5 - HIGH SPEED (140)
- ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY.
- USE COPPER CONDUCTORS ONLY.
++ USE NEC CLASS 2 WIRE.
- L1 AND L2 ON ICC CONTROL IS 24V INPUT.
- SPEED TAP TERMINATIONS SHOWN ON DIAGRAM ARE REPRESENTATIVE, BUT ACTUAL FACTORY SETTINGS MAY BE DIFFERENT BASED ON THE HEATING VALUE OF THE UNIT.
- FOR LOW STAGE OPERATION ONLY, REMOVE WHITE JUMPER. FOR 2 STAGE OPERATION, REMOVE JUMPER AND CONNECT W2 TO W2 ON THERMOSTAT.

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

230/3/60 0140L00980 REV B

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 WITH PINK STRIP
YL/PK	YELLOW WITH PINK STRIP

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 ++

NO ECONOMIZER

W	—	WH	—	W
G	—	GR	—	G
R	—	RD	—	R
Y1	—	YL	—	Y
Y/Y2	—	YL	—	Y
C	—	BL	—	C

TBI STAT

WITH ECONOMIZER OPTION

W	—	WH	—	W
G	—	GR	—	G
R	—	RD	—	R
Y1	—	YL	—	Y
Y/Y2	—	YL	—	Y
C	—	BL	—	C

TBI STAT

2 STAGE COOLING

W	—	WH	—	W
G	—	GR	—	G
R	—	RD	—	R
Y1	—	YL	—	Y1
Y/Y2	—	PK	—	Y2
C	—	BL	—	C

TBI STAT

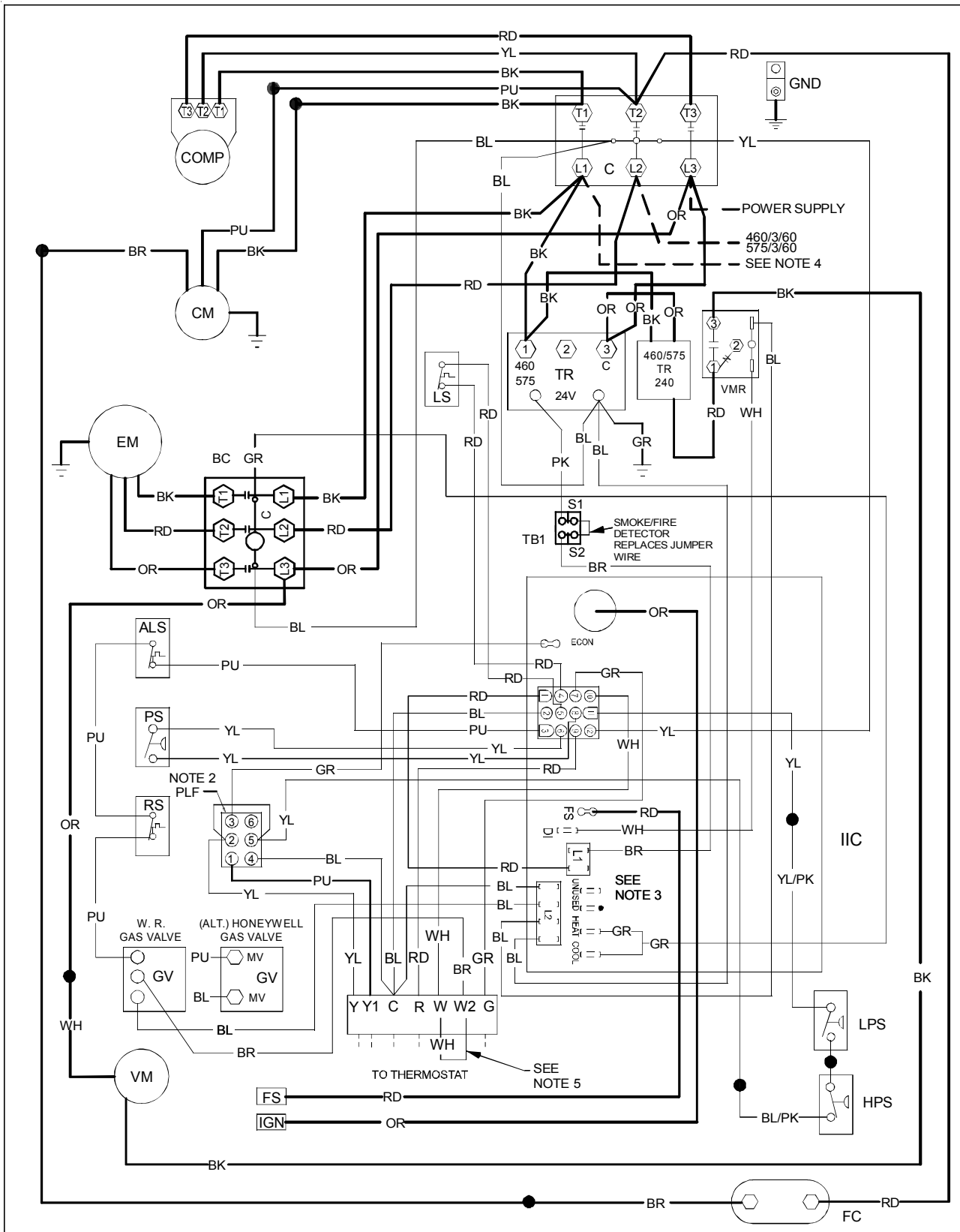
WIRING DIAGRAMS

CPG[036-072]XXX[4-7]BXXX



WARNING

HIGH VOLTAGE!
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460-575/3/60 0140L00870 REV B

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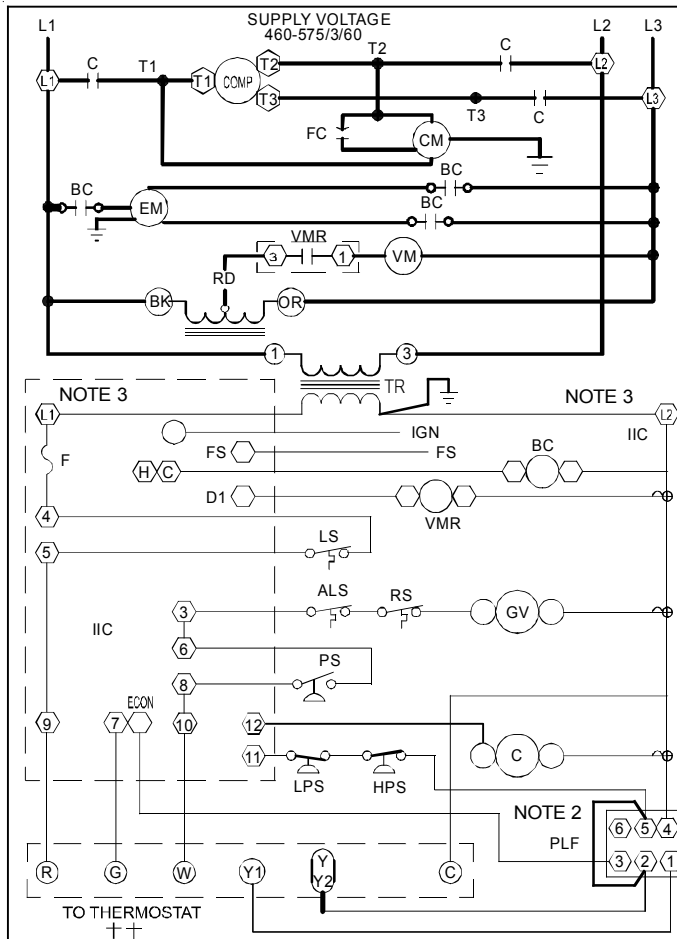
WIRING DIAGRAMS

CPG[036-072]XXX[4-7]BXXX



WARNING

HIGH VOLTAGE!
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COMPONENT LEGEND

ALS	AUXILIARY LIMIT SWITCH
BC	BLOWER CONTACTOR
COMP	COMPRESSOR
CM	CONDENSER MOTOR
C	CONTACTOR
EM	EVAPORATOR MOTOR
F	FUSE
FC	FAN CAPACITOR
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
HPS	HIGH PRESSURE SWITCH
IBR	INDOOR BLOWER RELAY
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LPS	LOW PRESSURE SWITCH
LS	LIMIT SWITCH
PLF	FEMALE PLUG/CONNECTOR
PS	PRESSURE SWITCH
RS	ROLLOUT SWITCH
TB1	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VM	VENT MOTOR
VMR	VENT MOTOR RELAY

NOTES

1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. (USE COPPER CONDUCTOR ONLY).
2. ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
3. L1 AND L2 ON IIC CONTROL IS 24V INPUT.
4. USE COPPER CONDUCTORS ONLY.
++ USE NEC CLASS 2 WIRE.
5. FOR LOW STAGE OPERATION ONLY, REMOVE WHITE JUMPER. FOR 2 STAGE OPERATION, REMOVE JUMPER AND CONNECT W2 TO W2 ON THERMOSTAT.

FACTORY WIRING

— LINE VOLTAGE
— LOW VOLTAGE
— OPTIONAL HIGH VOLTAGE

FIELD WIRING

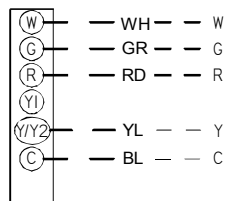
— HIGH VOLTAGE
— LOW VOLTAGE

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 WITH PINK STRIP
YL/PK	YELLOW WITH PINK STRIP

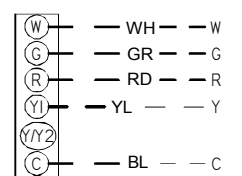
THERMOSTAT FIELD WIRING ++

NO ECONOMIZER



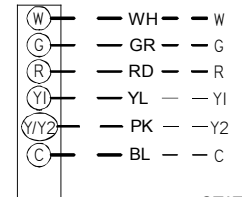
TB1 STAT

WITH ECONOMIZER OPTION



TB1 STAT

2 STAGE COOLING



TB1 STAT

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	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
1 BLINK	IGNITION FAILURE OPEN ROLLOUT SWITCH 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. ANTH-CYCLE TIMER

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

460-575/3/60 0140L00870 REV B

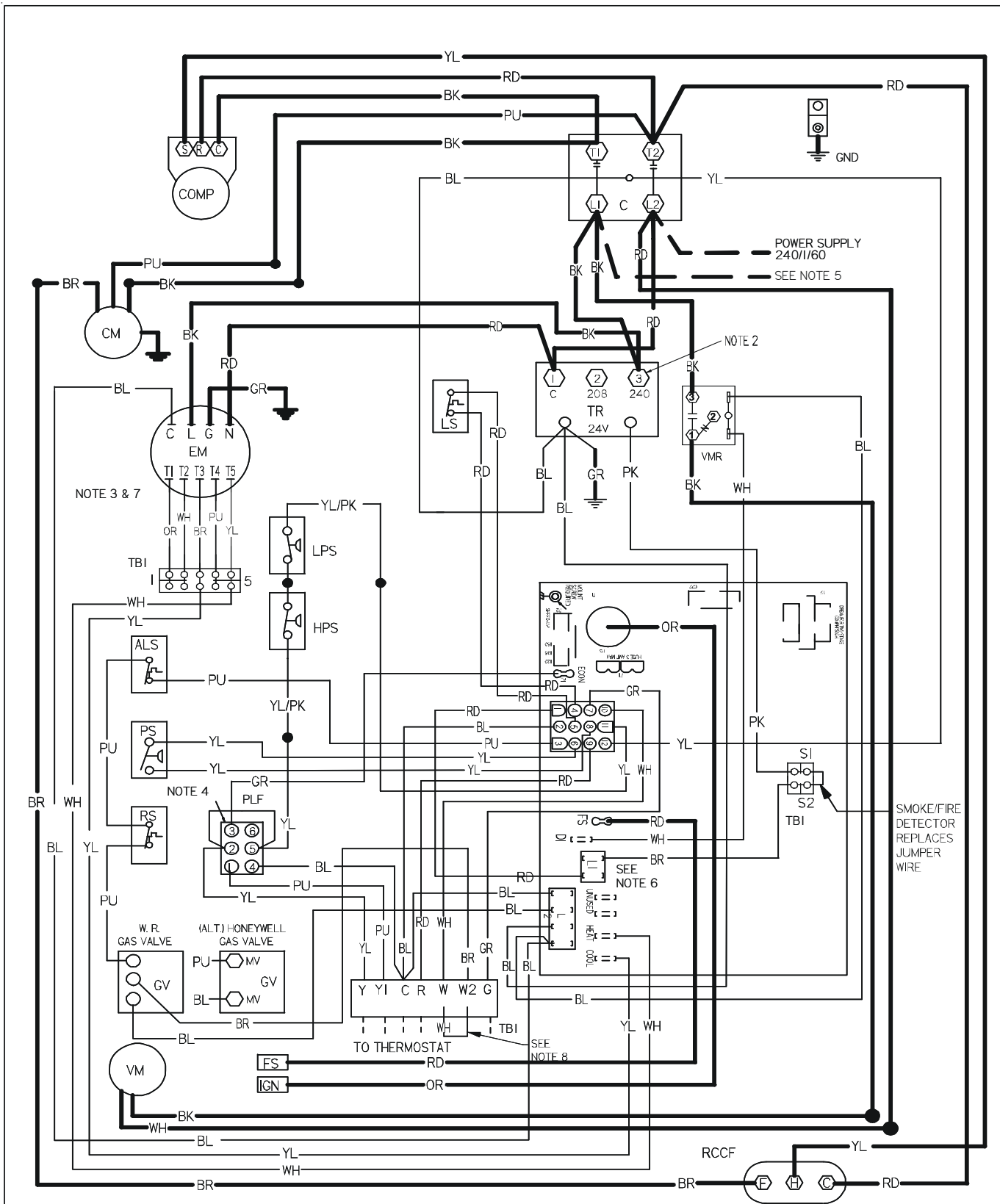
WIRING DIAGRAMS

CPG060[090-140]1DXXC*



WARNING

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240/1/60 0140L02105-A

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

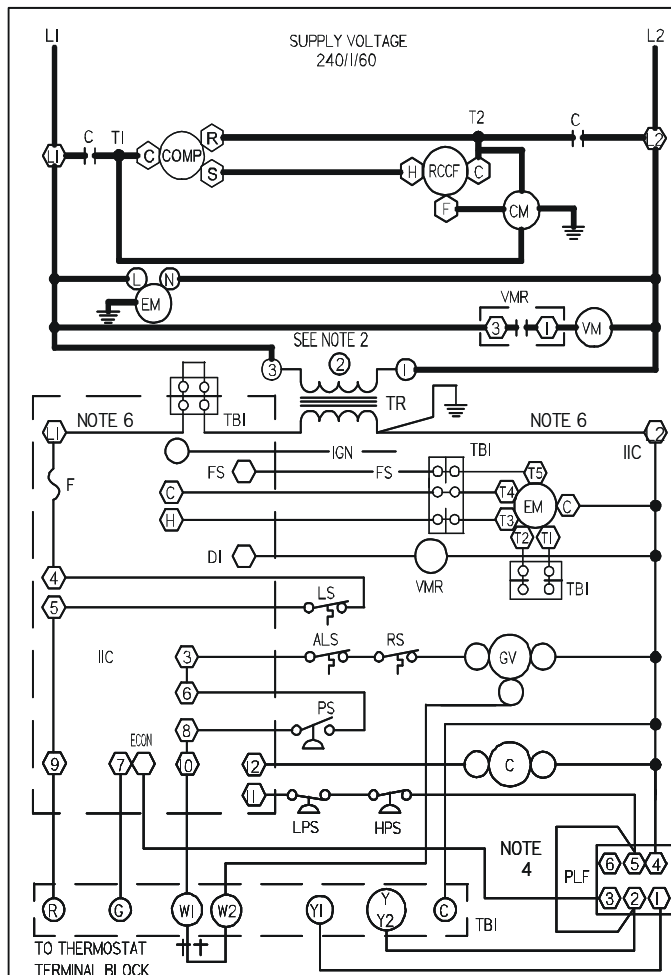
WIRING DIAGRAMS

CPG060[090-140]1DXXC*



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COMPONENT LEGEND

ALS	AUXILIARY LIMIT SWITCH
COMP	COMPRESSOR
CM	CONDENSER MOTOR
C	CONTACTOR
EM	EVAPORATOR MOTOR
F	FUSE
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
HPS	HIGH PRESSURE SWITCH
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LPS	LOW PRESSURE SWITCH
LS	LIMIT SWITCH
PLF	FEMALE PLUG/CONNECTOR
PS	PRESSURE SWITCH
RCCF	RUN CAPACITOR FOR COMPRESSOR/FAN
RS	ROLL-OUT SWITCH
TBI	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VM	VENT MOTOR
VMR	VENT MOTOR RELAY

NOTES

- REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. (USE COPPER CONDUCTOR ONLY.)
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COOLING SPEED (YELLOW WIRE)
T3 - LOW SPEED
T4 - HIGH SPEED
HEATING SPEED (WHITE WIRE)
T1 - LOW SPEED (070)
T2 - MED. SPEED
T5 - HIGH SPEED (140)
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240/11/60 0140L02105-A

FACTORY WIRING

— LINE VOLTAGE
— LOW VOLTAGE

FIELD WIRING

— HIGH VOLTAGE
— LOW VOLTAGE

WIRE CODE

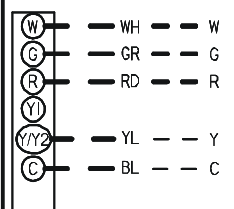
BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW
BL/PK	BLUE WITH PINK STRIP
YL/PK	YELLOW WITH PINK STRIP

THERMOSTAT

FIELD WIRING

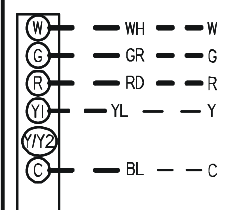
++

NO ECONOMIZER



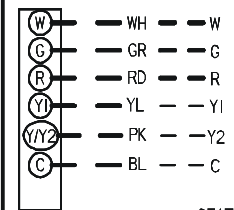
TBI STAT

WITH ECONOMIZER OPTION



TBI STAT

2 STAGE COOLING



TBI STAT

INSTALLER/SERVICEMAN

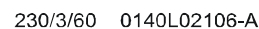
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2 BLINKS	PRESSURE SWITCH OPEN	CHECK PRESSURE SWITCH
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4 BLINKS	OPEN LIMIT SWITCH	MAIN LIMIT OPEN BAD SWITCH
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6 BLINKS	COMPRESSOR OUTPUT DELAY	3 MIN. COMP. ANTI-CYCLE TIMER

CPG060XXX3DXXXC*



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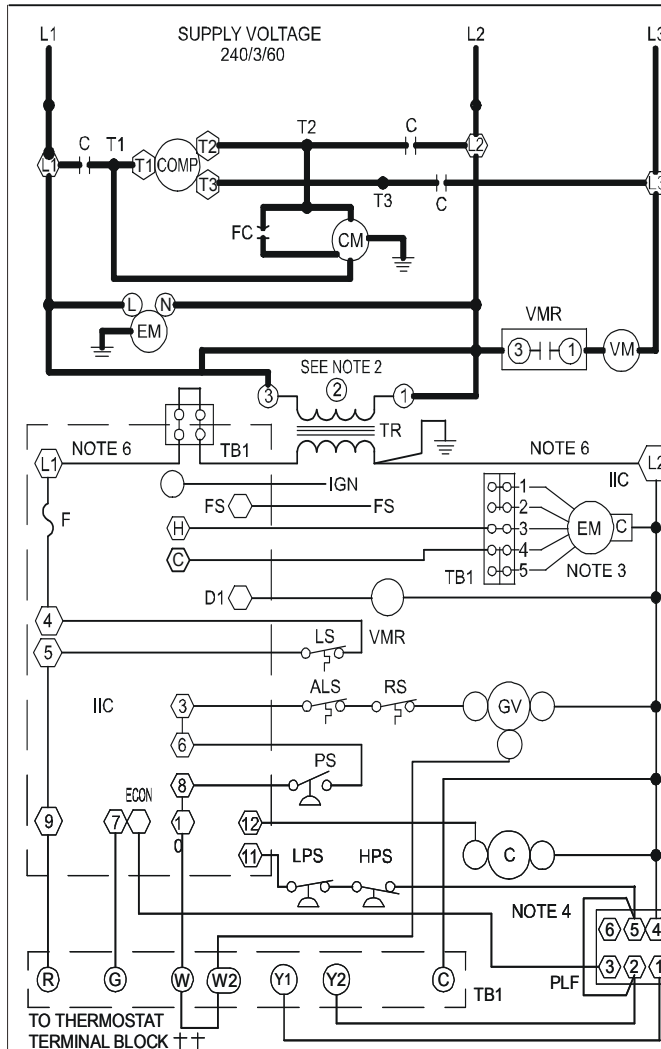
WIRING DIAGRAMS

CPG060XXX3DXXXC*



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COMPONENT LEGEND

ALS	AUXILIARY LIMIT SWITCH
COMP	COMPRESSOR
CM	CONDENSER MOTOR
C	CONTACTOR
EM	EVAPORATOR MOTOR
F	FUSE
FC	FAN CAPACITOR
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
HPS	HIGH PRESSURE SWITCH
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LS	LIMIT SWITCH
LPS	LOW PRESSURE SWITCH
PLF	FEMALE PLUG/CONNECTOR
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TR	TRANSFORMER
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COOLING SPEED (YELLOW WIRE)

- T3 - LOW SPEED
- T4 - HIGH SPEED

HEATING SPEED (WHITE WIRE)

- T1 - LOW SPEED (070)
- T2 - MED. SPEED
- T5 - HIGH SPEED (140)

4. ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY.

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



230/3/60 0140L02106-A

FACTORY WIRING

- LINE VOLTAGE
- LOW 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 WITH PINK STRIP
YL/PK	YELLOW WITH PINK STRIP

THERMOSTAT

FIELD WIRING ++

NO ECONOMIZER

(W)	— WH — — W
(G)	— GR — — G
(R)	— RD — — R
(Y1)	— YL — — Y
(Y/Y2)	— YL — — Y
(C)	— BL — — C
TB1	STAT

WITH ECONOMIZER OPTION

(W)	— WH — — W
(G)	— GR — — G
(R)	— RD — — R
(Y)	— YL — — Y
(Y/Y2)	— YL — — Y
(C)	— BL — — C
TB1	STAT

2 STAGE COOLING

(W)	— WH — — W
(G)	— GR — — G
(R)	— RD — — R
(Y1)	— YL — — 1
(Y/Y2)	— PK — — Y2
(C)	— BL — — C
TB1	STAT

INSTALLER/SERVICEMAN

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STATUS LIGHT	EQUIP. STATUS	CHECK
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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

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