



# PACKAGE GAS ELECTRIC UNITS

FORM NO. R11-839 REV. 8  
Supersedes Form No. R11-839 Rev. 7

## Featuring Earth-Friendly R-410A Refrigerant

### R-410A

### RRNL- 13-SEER SERIES NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

### RRPL- 14-SEER SERIES NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

### RRRL- 16-SEER SERIES NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]



ENERGYGUIDE		
Seasonal Energy Efficiency Ratio (SEER)		
RRNL 13.0	RRPL 14.0	RRRL 16.0
32.6 — Uses least energy → 16.05		
Annual Fuel Utilization Efficiency - AFUE		
THIS MODEL		
80.0%		
MID	HIGH	
74%	82%	88% 97%



*"Proper sizing and installation of equipment is critical to achieve optimal performance.  
Ask your Contractor for details or visit [www.energystar.gov](http://www.energystar.gov)."*

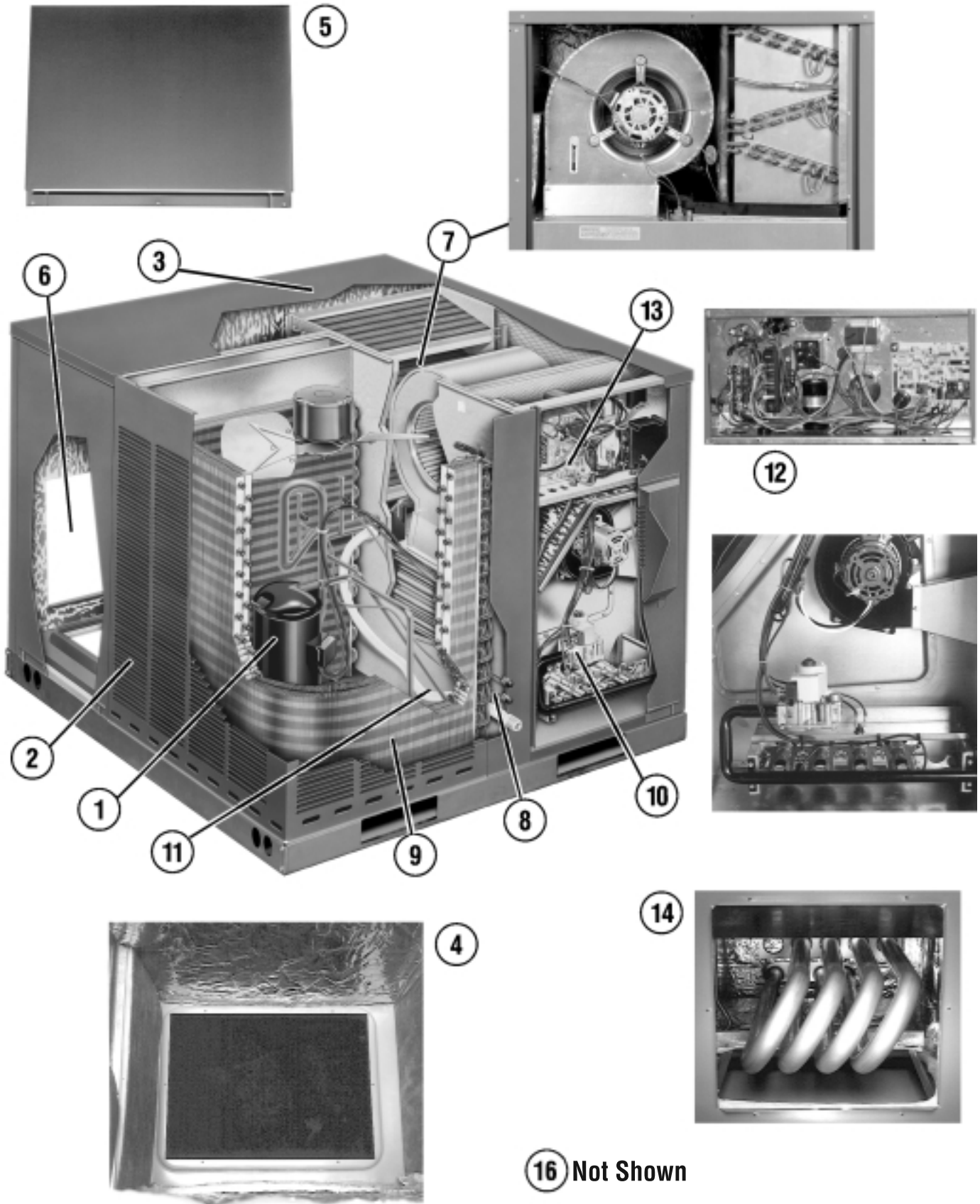


Unit Features & Benefits .....	3-4
Model Identification Options .....	5-6
General Data	
RRNL- Series .....	7-15
RRPL- Series .....	16-24
RRRL- Series .....	25-28
General Data Notes.....	29
Performance Data	
RRNL- Series .....	30-32
RRPL- Series .....	33-35
RRRL- Series .....	36-37
Airflow Performance	
RRNL- Series .....	38-40
RRPL- Series .....	41-44
RRPL- Series .....	45-46
Electrical Data	
RRNL- Series .....	47-49
RRPL- Series .....	50-52
RRRL- Series .....	53
Dimensional Data .....	54-55
Typical Installations .....	56
Accessories .....	57-65
Wiring Diagram/Schematic .....	66-75
Limited Warranty .....	76



# UNIT FEATURES & BENEFITS—RRNL-/RRPL-/RRRL- SERIES

*These quality features are included in the Rheem® Gas Heat/Electric Cooling Package Unit*





## Features Below Correspond to Photos on Page 3

1. All models feature Scroll® compressors for maximum efficiency and quiet operation. 5 Ton RRPL and all RRRL models feature UltraTech™ Scroll 2-Stage compressors with Comfort Alert™ diagnostics (see below), high/low pressure switches, and hard start kits.
2. Louvered condenser compartment for protecting the coil against yard hazards and/or weather extremes.
3. One-piece top with a deep flange to help keep water out of the unit.
4. Supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork.
5. Access panels have “weep holes” and channels to further help manage water run-off.
6. Side and down discharge options available on all models. All models are shipped ready for horizontal application.
7. Easily accessible blower section complete with slide-out blower. The RRRL comes standard with variable speed motor with adjustable airflow in heating and cooling. The variable speed motor also comes with a interface that allows for dehumidification when used in continuous humidistat. The variable speed system is capable of 1 inch external static.
8. Refrigerant connections are conveniently located for easy service diagnostics.
9. Condenser and evaporator coils feature enhanced fins for better heat transfer and rifled copper tubing for greater efficiency.
10. Inside the easily accessible furnace compartment is the draft inducer motor. This motor is specially designed for quiet reliable operation. In addition to the draft inducer motor, the in-shot gas burners and manifold efficiently regulate the flow of gas for combustion. These new gas/electric units also feature direct-spark ignition and remote flame sensors for added reliability and efficiency.
11. All units feature an internal trap on the condensate line eliminating the need for installing an on-site external trap.
12. Easily accessible control box.
13. Single point wiring simplifies installation.
14. Our gas/electric package units feature a tubular heat exchanger design. Tubular heat exchangers are more efficient and durable than older-style clamshell heat exchangers. The heat exchanger is backed by a 10 year limited warranty. Models with a stainless steel heat exchanger installed in a residential application are backed by a limited lifetime warranty. The stainless steel heat exchanger is a standard feature on RRRL. Two stage gas heat is standard on the RRRL models.
15. Thermal expansion valve standard on all models for superior superheat control, reliability, and energy efficiency at all operating conditions.
16. Filter drier standard on all models (not shown).
17. Rugged baserail included for improved installation and handling
18. Complete factory charged, wired and run tested.
19. Molded compressor plugs.

## Comfort Alert™ Diagnostics – Faster Service And Improved Accuracy (2-Stage Models Only)

The Comfort Alert™ diagnostics module is a breakthrough innovation for troubleshooting air conditioning system failures. The module is installed in the control box near the compressor contactor. By monitoring and analyzing data from the Scroll® compressor and the thermostat demand, the module can accurately detect the cause of electrical and system related failures without any sensors. A flashing LED indicator communicates the ALERT code and guides the service technician more quickly and accurately to the root cause of a problem.

**NOTE: Single phase module does not provide safety protection! The Comfort Alert module is a monitoring device and cannot control or shut down the compressor unless used with a White Rodgers IF95-CA397 Thermostat.**

**NOTE: Three phase module provides compressor protection and will shut down the compressor when compressor damaging conditions are detected.**

## RRRL Models Also Feature:

- On Demand Dehumidification
- ECM motor with adjustable airflow in both heating and cooling to 1.0" SP static capability
- Stainless steel heat exchanger as standard
- Two stage gas heat



# MODEL IDENTIFICATION—RRNL-/RRPL-/RRRL- SERIES



**R R N L — B 036 J K 10 E X X X**

Factory Installed Options  
(See Next Page)

Ignition System  
E = Electric  
X = Electric No<sub>x</sub>

Heating Capacity (MBH)  
04 = 40,000 [11.7]  
06 = 60,000 [17.6]  
08 = 80,000 [23.4]  
10 = 100,000 [29.3]

Drive Package  
K = Direct Drive

Electrical Designation  
J = 208-230V—1PH—60 Hz  
C = 208-230V—3PH—60 Hz  
D = 460V—3PH—60 Hz

Cooling Capacity (BTUH) [kW]  
024 = 24,000 [7.03]  
030 = 30,000 [8.79]  
036 = 36,000 [10.55]  
042 = 42,000 [12.31]  
048 = 48,000 [14.07]  
060 = 60,000 [17.58]

Future Technical Variations  
B = 1st Variation  
C = 2nd Variation

Design Series (R-410A)

Efficiency Designation  
N = 13 SEER  
P = 14 SEER  
R = Up to 16 SEER

Product Classification  
R = Rooftop

Tradebrand  
R = Rheem

[ ] Designates Metric Conversions



## Instructions for Factory Installed Option(s) Selection

**Note:** Three characters following the model number will be utilized to designate a factory-installed option or combination of options. If no factory option(s) is required, nothing follows the model number.

**Step 1.** After a basic rooftop model is selected, choose a *three-character* option code from the FACTORY INSTALLED OPTION SELECTION TABLE.

## FACTORY INSTALLED OPTION CODES

Option Code	Stainless Steel Heat Exchanger	Side Flow
AJA	x	

“x” indicates factory installed option.

Example: No Option

RRNL-036JK08E

Example: Option with Stainless Steel Heat Exchanger

RRNL-036JK08EAJA

Note: Factory installed economizer is not available on these models.

\*RRRL models are only available with BVA option.



**NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]**

Model RRNL- Series	B024JK04(E/X)	B024JK06(E/X)	B024JK08(E/X)	B030JK04(E/X)
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	24,400 [7.15]	24,400 [7.15]	24,400 [7.15]	29,800 [8.73]
EER/SEER <sup>2</sup>	11.1/13	11.1/13	11.1/13	11.1/13
Nominal CFM/AHRI Rated CFM [L/s]	787/800 [371/378]	787/800 [371/378]	787/800 [371/378]	953/1000 [450/472]
AHRI Net Cooling Capacity Btu [kW]	23,600 [6.91]	23,600 [6.91]	23,600 [6.91]	28,600 [8.38]
Net Sensible Capacity Btu [kW]	17,340 [5.08]	17,340 [5.08]	17,340 [5.08]	20,810 [6.1]
Net Latent Capacity Btu [kW]	6,260 [1.83]	6,260 [1.83]	6,260 [1.83]	7,790 [2.28]
Net System Power [kW]	2.12	2.12	2.12	2.58
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	40,000 [11.72]	60,000 [17.58]	80,000 [23.44]	40,000 [11.72]
Heating Output Btu [kW]	31,000 [9.08]	47,000 [13.77]	62,000 [18.17]	31,000 [9.08]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	40-70 [22.2/38.9]	55-85 [30.6/47.2]	20-50 [11.1/27.8]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	2	3	4	2
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	10.56 [0.98]	10.56 [0.98]	10.56 [0.98]	10.56 [0.98]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2500 [1180]	2500 [1180]	2500 [1180]	2500 [1180]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [229x178]	1/9x7 [229x178]	1/9x7 [229x178]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/2	Direct/3
No. Motors	1	1	1	1
Motor HP	1/4	1/4	1/4	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	77.8 [2206]	77.8 [2206]	77.8 [2206]	76.8 [2177]
<b>Weights</b>				
Net Weight lbs. [kg]	381 [173]	385 [175]	390 [177]	399 [181]
Ship Weight lbs. [kg]	421 [191]	425 [193]	430 [195]	439 [199]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRNL- Series	B030JK06(E/X)	B030JK08(E/X)	B030JK10(E/X)	B036CK04
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	29,800 [8.73]	29,800 [8.73]	29,800 [8.73]	37,000 [10.84]
EER/SEER <sup>2</sup>	11.1/13	11.1/13	11.1/13	11.3/13
Nominal CFM/AHRI Rated CFM [L/s]	953/1000 [450/472]	953/1000 [450/472]	953/1000 [450/472]	1187/1200 [560/566]
AHRI Net Cooling Capacity Btu [kW]	28,600 [8.38]	28,600 [8.38]	28,600 [8.38]	35,600 [10.43]
Net Sensible Capacity Btu [kW]	20,810 [6.1]	20,810 [6.1]	20,810 [6.1]	26,390 [7.73]
Net Latent Capacity Btu [kW]	7,790 [2.28]	7,790 [2.28]	7,790 [2.28]	9,210 [2.7]
Net System Power [kW]	2.58	2.58	2.58	3.15
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	60,000 [17.58]	80,000 [23.44]	100,000 [29.3]	40,000 [11.72]
Heating Output Btu [kW]	47,000 [13.77]	62,000 [18.17]	77,000 [22.56]	32,400 [9.49]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	40-70 [22.2/38.9]	45-85 [25/47.2]	20-50 [11.1/27.8]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	3	4	5	2
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	10.56 [0.98]	10.56 [0.98]	10.56 [0.98]	14.8 [1.37]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2500 [1180]	2500 [1180]	2500 [1180]	2700 [1274]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	76.8 [2177]	76.8 [2177]	76.8 [2177]	92.8 [2631]
<b>Weights</b>				
Net Weight lbs. [kg]	404 [183]	409 [186]	414 [188]	412 [187]
Ship Weight lbs. [kg]	444 [201]	449 [204]	454 [206]	452 [205]

See Page 29 for Notes.

[ ] Designates Metric Conversions





## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRNL- Series	B036CK06	B036CK08	B036CK10	B036DK06
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	37,000 [10.84]	37,000 [10.84]	37,000 [10.84]	37,000 [10.84]
EER/SEER <sup>2</sup>	11.3/13	11.3/13	11.3/13	11.3/13
Nominal CFM/AHRI Rated CFM [L/s]	1187/1200 [560/566]	1187/1200 [560/566]	1187/1200 [560/566]	1187/1200 [560/566]
AHRI Net Cooling Capacity Btu [kW]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]
Net Sensible Capacity Btu [kW]	26,390 [7.73]	26,390 [7.73]	26,390 [7.73]	26,390 [7.73]
Net Latent Capacity Btu [kW]	9,210 [2.7]	9,210 [2.7]	9,210 [2.7]	9,210 [2.7]
Net System Power [kW]	3.15	3.15	3.15	3.15
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	60,000 [17.58]	80,000 [23.44]	100,000 [29.3]	60,000 [17.58]
Heating Output Btu [kW]	48,600 [14.24]	64,800 [18.99]	81,000 [23.73]	48,600 [14.24]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	40-70 [22.2/38.9]	45-85 [25/47.2]	30-60 [16.7/33.3]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	3	4	5	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	14.8 [1.37]	14.8 [1.37]	14.8 [1.37]	14.8 [1.37]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2700 [1274]	2700 [1274]	2700 [1274]	2700 [1274]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/2
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	92.8 [2631]	92.8 [2631]	92.8 [2631]	92.8 [2631]
<b>Weights</b>				
Net Weight lbs. [kg]	417 [189]	422 [191]	426 [193]	417 [189]
Ship Weight lbs. [kg]	457 [207]	462 [210]	466 [211]	457 [207]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRNL- Series	B036DK08	B036DK10	B036JK04(E/X)	B036JK06(E/X)
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	37,000 [10.84]	37,000 [10.84]	37,000 [10.84]	37,000 [10.84]
EER/SEER <sup>2</sup>	11.3/13	11.3/13	11.3/13	11.3/13
Nominal CFM/AHRI Rated CFM [L/s]	1187/1200 [560/566]	1187/1200 [560/566]	1187/1200 [560/566]	1187/1200 [560/566]
AHRI Net Cooling Capacity Btu [kW]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]
Net Sensible Capacity Btu [kW]	26,390 [7.73]	26,390 [7.73]	26,390 [7.73]	26,390 [7.73]
Net Latent Capacity Btu [kW]	9,210 [2.7]	9,210 [2.7]	9,210 [2.7]	9,210 [2.7]
Net System Power [kW]	3.15	3.15	3.15	3.15
<b>Heating Performance (Gas)<sup>3</sup></b>				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	40,000 [11.72]	60,000 [17.58]
Heating Output Btu [kW]	64,800 [18.99]	81,000 [23.73]	31,000 [9.08]	47,000 [13.77]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	45-85 [25/47.2]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	2	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	14.8 [1.37]	14.8 [1.37]	14.8 [1.37]	14.8 [1.37]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2700 [1274]	2700 [1274]	2700 [1274]	2700 [1274]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	92.8 [2631]	92.8 [2631]	92.8 [2631]	92.8 [2631]
<b>Weights</b>				
Net Weight lbs. [kg]	422 [191]	426 [193]	412 [187]	417 [189]
Ship Weight lbs. [kg]	462 [210]	466 [211]	452 [205]	457 [207]

See Page 29 for Notes.

[ ] Designates Metric Conversions



**NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]**

Model RRNL- Series	B036JK08(E/X)	B036JK10(E/X)	B042CK04	B042CK06
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	37,000 [10.84]	37,000 [10.84]	44,000 [12.89]	44,000 [12.89]
EER/SEER <sup>2</sup>	11.3/13	11.3/13	11.2/13	11.2/13
Nominal CFM/AHRI Rated CFM [L/s]	1187/1200 [560/566]	1187/1200 [560/566]	1400/1400 [661/661]	1400/1400 [661/661]
AHRI Net Cooling Capacity Btu [kW]	35,600 [10.43]	35,600 [10.43]	42,000 [12.31]	42,000 [12.31]
Net Sensible Capacity Btu [kW]	26,390 [7.73]	26,390 [7.73]	30,510 [8.94]	30,510 [8.94]
Net Latent Capacity Btu [kW]	9,210 [2.7]	9,210 [2.7]	11,490 [3.37]	11,490 [3.37]
Net System Power [kW]	3.15	3.15	3.73	3.73
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	40,000 [11.72]	60,000 [17.58]
Heating Output Btu [kW]	62,000 [18.17]	77,000 [22.56]	32,400 [9.49]	48,600 [14.24]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	45-85 [25/47.2]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	2	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	14.8 [1.37]	14.8 [1.37]	16.65 [1.55]	16.65 [1.55]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2700 [1274]	2700 [1274]	3500 [1652]	3500 [1652]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	92.8 [2631]	92.8 [2631]	112 [3175]	112 [3175]
<b>Weights</b>				
Net Weight lbs. [kg]	422 [191]	426 [193]	422 [191]	427 [194]
Ship Weight lbs. [kg]	462 [210]	466 [211]	462 [210]	467 [212]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRNL- Series	B042CK08	B042CK10	B042JK04(E/X)	B042JK06(E/X)
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	44,000 [12.89]	44,000 [12.89]	44,000 [12.89]	44,000 [12.89]
EER/SEER <sup>2</sup>	11.2/13	11.2/13	11.2/13	11.2/13
Nominal CFM/AHRI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
AHRI Net Cooling Capacity Btu [kW]	42,000 [12.31]	42,000 [12.31]	42,000 [12.31]	42,000 [12.31]
Net Sensible Capacity Btu [kW]	30,510 [8.94]	30,510 [8.94]	30,510 [8.94]	30,510 [8.94]
Net Latent Capacity Btu [kW]	11,490 [3.37]	11,490 [3.37]	11,490 [3.37]	11,490 [3.37]
Net System Power [kW]	3.73	3.73	3.73	3.73
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	40,000 [11.72]	60,000 [17.58]
Heating Output Btu [kW]	64,800 [18.99]	81,000 [23.73]	31,000 [9.08]	47,000 [13.77]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	45-85 [25/47.2]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	2	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.65 [1.55]	16.65 [1.55]	16.65 [1.55]	16.65 [1.55]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3500 [1652]	3500 [1652]	3500 [1652]	3500 [1652]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	112 [3175]	112 [3175]	112 [3175]	112 [3175]
<b>Weights</b>				
Net Weight lbs. [kg]	432 [196]	437 [198]	422 [191]	427 [194]
Ship Weight lbs. [kg]	472 [214]	477 [216]	462 [210]	467 [212]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRNL- Series	B042JK08(E/X)	B042JK10(E/X)	B048CK06	B048CK08
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	44,000 [12.89]	44,000 [12.89]	50,000 [14.65]	50,000 [14.65]
EER/SEER <sup>2</sup>	11.2/13	11.2/13	11.2/13	11.2/13
Nominal CFM/AHRI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	42,000 [12.31]	42,000 [12.31]	48,000 [14.06]	48,000 [14.06]
Net Sensible Capacity Btu [kW]	30,510 [8.94]	30,510 [8.94]	33,990 [9.96]	33,990 [9.96]
Net Latent Capacity Btu [kW]	11,490 [3.37]	11,490 [3.37]	14,010 [4.1]	14,010 [4.1]
Net System Power [kW]	3.73	3.73	4.28	4.28
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	60,000 [17.58]	80,000 [23.44]
Heating Output Btu [kW]	62,000 [18.17]	77,000 [22.56]	48,600 [14.24]	64,800 [18.99]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	45-85 [25/47.2]	30-60 [16.7/33.3]	40-70 [22.2/38.9]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	3	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	78	78
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.65 [1.55]	16.65 [1.55]	16.23 [1.51]	16.23 [1.51]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	2 / 22 [9]	2 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3500 [1652]	3500 [1652]	3300 [1557]	3300 [1557]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	112 [3175]	112 [3175]	161.2 [4570]	161.2 [4570]
<b>Weights</b>				
Net Weight lbs. [kg]	432 [196]	437 [198]	452 [205]	457 [207]
Ship Weight lbs. [kg]	472 [214]	477 [216]	492 [223]	497 [225]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRNL- Series	B048CK10	B048DK10	B048JK06(E/X)	B048JK08(E/X)
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]
EER/SEER <sup>2</sup>	11.2/13	11.2/13	11.2/13	11.2/13
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]
Net Sensible Capacity Btu [kW]	33,990 [9.96]	33,990 [9.96]	33,990 [9.96]	33,990 [9.96]
Net Latent Capacity Btu [kW]	14,010 [4.1]	14,010 [4.1]	14,010 [4.1]	14,010 [4.1]
Net System Power [kW]	4.28	4.28	4.28	4.28
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	60,000 [17.58]	80,000 [23.44]
Heating Output Btu [kW]	81,000 [23.73]	81,000 [23.73]	47,000 [13.77]	62,000 [18.17]
Temperature Rise Range °F [°C]	45-85 [25/47.2]	45-85 [25/47.2]	30-60 [16.7/33.3]	40-70 [22.2/38.9]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	5	3	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	78	78	78	78
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3300 [1557]	3300 [1557]	3300 [1557]	3300 [1557]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/2	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	161.2 [4570]	161.2 [4570]	161.2 [4570]	161.2 [4570]
<b>Weights</b>				
Net Weight lbs. [kg]	462 [210]	462 [210]	461 [209]	466 [211]
Ship Weight lbs. [kg]	502 [228]	502 [228]	501 [227]	506 [230]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRNL- Series	B048JK10(E/X)	C060CK10	C060DK10	C060JK10(E/X)
<b>Cooling Performance<sup>1</sup></b>				
Gross Cooling Capacity Btu [kW]	50,000 [14.65]	59,500 [17.43]	59,500 [17.43]	59,500 [17.43]
EER/SEER <sup>2</sup>	11.2/13	10.5/13	10.5/13	10.5/13
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	2000/1850 [944/873]	2000/1850 [944/873]	1900/1850 [897/873]
AHRI Net Cooling Capacity Btu [kW]	48,000 [14.06]	57,500 [16.85]	57,500 [16.85]	57,500 [16.85]
Net Sensible Capacity Btu [kW]	33,990 [9.96]	40,460 [11.85]	40,460 [11.85]	40,460 [11.85]
Net Latent Capacity Btu [kW]	14,010 [4.1]	17,040 [4.99]	17,040 [4.99]	17,040 [4.99]
Net System Power [kW]	4.28	5.48	5.48	5.48
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	77,000 [22.56]	81,000 [23.73]	81,000 [23.73]	77,000 [22.56]
Temperature Rise Range °F [°C]	45-85 [25/47.2]	45-85 [25/47.2]	45-85 [25-47.2]	45-85 [25/47.2]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	5	5	5
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>				
	78	78	79	78
<b>Outdoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]
	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
<b>Indoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm]	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>				
	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3300 [1557]	3300 [1557]	3400 [1604]	3300 [1557]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>				
	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	1	1	1
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>				
	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x30 [25x610x762]	(1)1x24x30 [25x610x762]	(1)1x24x30 [25x610x762]
<b>Refrigerant Charge Oz. [g]</b>				
	161.2 [4570]	172.8 [4899]	172.8 [4899]	172.8 [4899]
<b>Weights</b>				
Net Weight lbs. [kg]	471 [214]	532 [241]	564 [256]	532 [241]
Ship Weight lbs. [kg]	511 [232]	577 [262]	573 [260]	577 [262]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRPL- Series	B024JK04(E/X)	B024JK06(E/X)	B024JK08(E/X)	B030JK04(E/X)
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	24,400 [7.15]	24,400 [7.15]	24,400 [7.15]	29,600 [8.67]
EER/SEER <sup>2</sup>	12/14	12/14	12/14	12/14
Nominal CFM/AHRI Rated CFM [L/s]	800/800 [378/378]	800/800 [378/378]	800/800 [378/378]	967/1000 [456/472]
AHRI Net Cooling Capacity Btu [kW]	24,000 [7.03]	24,000 [7.03]	24,000 [7.03]	29,200 [8.56]
Net Sensible Capacity Btu [kW]	17,790 [5.21]	17,790 [5.21]	17,790 [5.21]	21,700 [6.36]
Net Latent Capacity Btu [kW]	6,210 [1.82]	6,210 [1.82]	6,210 [1.82]	7,500 [2.2]
Net System Power [kW]	2.01	2.01	2.01	2.43
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	40,000 [11.72]	60,000 [17.58]	80,000 [23.44]	40,000 [11.72]
Heating Output Btu [kW]	31,000 [9.08]	47,000 [13.77]	62,000 [18.17]	31,000 [9.08]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	40-70 [22.2/38.9]	55-85 [30.6/47.2]	20-50 [11.1/27.8]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	2	3	4	2
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	10.56 [0.98]	10.56 [0.98]	10.56 [0.98]	10.56 [0.98]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2500 [1180]	2500 [1180]	2500 [1180]	2500 [1180]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [229x178]	1/9x7 [229x178]	1/9x7 [229x178]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/2	Direct/3
No. Motors	1	1	1	1
Motor HP	1/3	1/3	1/3	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	77.8 [2206]	77.8 [2206]	77.8 [2206]	76.8 [2177]
<b>Weights</b>				
Net Weight lbs. [kg]	381 [173]	385 [175]	390 [177]	399 [181]
Ship Weight lbs. [kg]	421 [191]	425 [193]	430 [195]	439 [199]

See Page 29 for Notes.

[ ] Designates Metric Conversions





## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRPL- Series	B030JK06(E/X)	B030JK08(E/X)	B030JK10(E/X)	B030CK04
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	29,600 [8.67]	29,600 [8.67]	29,600 [8.67]	36,800 [10.78]
EER/SEER <sup>2</sup>	12/14	12/14	12/14	12/14
Nominal CFM/AHRI Rated CFM [L/s]	967/1000 [456/472]	967/1000 [456/472]	967/1000 [456/472]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	29,200 [8.56]	29,200 [8.56]	29,200 [8.56]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	21,700 [6.36]	21,700 [6.36]	21,700 [6.36]	26,420 [7.74]
Net Latent Capacity Btu [kW]	7,500 [2.2]	7,500 [2.2]	7,500 [2.2]	9,580 [2.81]
Net System Power [kW]	2.43	2.43	2.43	3
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	60,000 [17.58]	80,000 [23.44]	100,000 [29.3]	40,000 [11.72]
Heating Output Btu [kW]	47,000 [13.77]	62,000 [18.17]	77,000 [22.56]	32,400 [9.49]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	40-70 [22.2/38.9]	45-85 [25/47.2]	20-50 [11.1/27.8]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	3	4	5	2
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	10.56 [0.98]	10.56 [0.98]	10.56 [0.98]	14.8 [1.37]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2500 [1180]	2500 [1180]	2500 [1180]	2700 [1274]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	76.8 [2177]	76.8 [2177]	76.8 [2177]	92.8 [2631]
<b>Weights</b>				
Net Weight lbs. [kg]	404 [183]	409 [186]	414 [188]	412 [187]
Ship Weight lbs. [kg]	444 [201]	449 [204]	454 [206]	452 [205]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRPL- Series	B036CK06	B036CK08	B036CK10	B036DK06
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]
EER/SEER <sup>2</sup>	12/14	12/14	12/14	12/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	26,420 [7.74]	26,420 [7.74]	26,420 [7.74]	26,420 [7.74]
Net Latent Capacity Btu [kW]	9,580 [2.81]	9,580 [2.81]	9,580 [2.81]	9,580 [2.81]
Net System Power [kW]	3	3	3	2.94
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	60,000 [17.58]	80,000 [23.44]	100,000 [29.3]	60,000 [17.58]
Heating Output Btu [kW]	48,600 [14.24]	64,800 [18.99]	81,000 [23.73]	48,600 [14.24]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	40-70 [22.2/38.9]	45-85 [25/47.2]	30-60 [16.7-33.3]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	3	4	5	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	14.8 [1.37]	14.8 [1.37]	14.8 [1.37]	14.8 [1.37]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2700 [1274]	2700 [1274]	2700 [1274]	2700 [1274]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	92.8 [2631]	92.8 [2631]	92.8 [2631]	92.8 [2631]
<b>Weights</b>				
Net Weight lbs. [kg]	417 [189]	422 [191]	426 [193]	417 [189]
Ship Weight lbs. [kg]	457 [207]	462 [210]	466 [211]	457 [207]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRPL- Series	B036DK08	B036DK10	B036JK04(E/X)	B036JK06(E/X)
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED →</b>
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]
EER/SEER <sup>2</sup>	12/14	12/14	12/14	12/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	26,420 [7.74]	26,420 [7.74]	26,420 [7.74]	26,420 [7.74]
Net Latent Capacity Btu [kW]	9,580 [2.81]	9,580 [2.81]	9,580 [2.81]	9,580 [2.81]
Net System Power [kW]	2.94	2.94	3	3
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	40,000 [11.72]	60,000 [17.58]
Heating Output Btu [kW]	64,800 [18.99]	81,000 [23.73]	31,000 [9.08]	47,000 [13.77]
Temperature Rise Range °F [°C]	40-70 [22.2-38.9]	45-85 [25-47.2]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	2	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	14.8 [1.37]	14.8 [1.37]	14.8 [1.37]	14.8 [1.37]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2700 [1274]	2700 [1274]	2700 [1274]	2700 [1274]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	92.8 [2631]	92.8 [2631]	92.8 [2631]	92.8 [2631]
<b>Weights</b>				
Net Weight lbs. [kg]	422 [191]	426 [193]	412 [187]	417 [189]
Ship Weight lbs. [kg]	462 [210]	466 [211]	452 [205]	457 [207]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRPL- Series	B036JK08(E/X)	B036JK10(E/X)	B042CK04	B042CK06
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	36,800 [10.78]	44,000 [12.89]	44,000 [12.89]
EER/SEER <sup>2</sup>	12/14	12/14	12/14	12/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1400/1400 [661/661]	1400/1400 [661/661]
AHRI Net Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	43,000 [12.6]	43,000 [12.6]
Net Sensible Capacity Btu [kW]	26,420 [7.74]	26,420 [7.74]	31,270 [9.16]	31,270 [9.16]
Net Latent Capacity Btu [kW]	9,580 [2.81]	9,580 [2.81]	11,730 [3.44]	11,730 [3.44]
Net System Power [kW]	3	3	3.58	3.58
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	40,000 [11.72]	60,000 [17.58]
Heating Output Btu [kW]	62,000 [18.17]	77,000 [22.56]	32,400 [9.49]	48,600 [14.24]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	45-85 [25/47.2]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	2	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	14.8 [1.37]	14.8 [1.37]	16.65 [1.55]	16.65 [1.55]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2700 [1274]	2700 [1274]	3500 [1652]	3500 [1652]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	92.8 [2631]	92.8 [2631]	112 [3175]	112 [3175]
<b>Weights</b>				
Net Weight lbs. [kg]	422 [191]	426 [193]	422 [191]	427 [194]
Ship Weight lbs. [kg]	462 [210]	466 [211]	462 [210]	467 [212]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRPL- Series	B042CK08	B042CK10	B042JK04(E/X)	B042JK06(E/X)
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	44,000 [12.89]	44,000 [12.89]	44,000 [12.89]	44,000 [12.89]
EER/SEER <sup>2</sup>	12/14	12/14	12/14	12/14
Nominal CFM/AHRI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
AHRI Net Cooling Capacity Btu [kW]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]
Net Sensible Capacity Btu [kW]	31,270 [9.16]	31,270 [9.16]	31,270 [9.16]	31,270 [9.16]
Net Latent Capacity Btu [kW]	11,730 [3.44]	11,730 [3.44]	11,730 [3.44]	11,730 [3.44]
Net System Power [kW]	3.58	3.58	3.58	3.58
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	40,000 [11.72]	60,000 [17.58]
Heating Output Btu [kW]	64,800 [18.99]	81,000 [23.73]	31,000 [9.08]	47,000 [13.77]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	45-85 [25/47.2]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	2	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.65 [1.55]	16.65 [1.55]	16.65 [1.55]	16.65 [1.55]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3500 [1652]	3500 [1652]	3500 [1652]	3500 [1652]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	112 [3175]	112 [3175]	112 [3175]	112 [3175]
<b>Weights</b>				
Net Weight lbs. [kg]	432 [196]	437 [198]	422 [191]	427 [194]
Ship Weight lbs. [kg]	472 [214]	477 [216]	462 [210]	467 [212]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRPL- Series	B042JK08(E/X)	B042JK10(E/X)	B048CK06	B048CK08
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	44,000 [12.89]	44,000 [12.89]	50,500 [14.8]	50,500 [14.8]
EER/SEER <sup>2</sup>	12/14	12/14	12/14	12/14
Nominal CFM/AHRI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	43,000 [12.6]	43,000 [12.6]	49,000 [14.36]	49,000 [14.36]
Net Sensible Capacity Btu [kW]	31,270 [9.16]	31,270 [9.16]	34,990 [10.25]	34,990 [10.25]
Net Latent Capacity Btu [kW]	11,730 [3.44]	11,730 [3.44]	14,010 [4.1]	14,010 [4.1]
Net System Power [kW]	3.58	3.58	4.08	4.08
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	60,000 [17.58]	80,000 [23.44]
Heating Output Btu [kW]	62,000 [18.17]	77,000 [22.56]	48,600 [14.24]	64,800 [18.99]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	45-85 [25/47.2]	30-60 [16.7/33.3]	40-70 [22.2/38.9]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	3	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	78	78
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.65 [1.55]	16.65 [1.55]	16.23 [1.51]	16.23 [1.51]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	2 / 22 [9]	2 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3500 [1652]	3500 [1652]	3300 [1557]	3300 [1557]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	112 [3175]	112 [3175]	161.2 [4570]	161.2 [4570]
<b>Weights</b>				
Net Weight lbs. [kg]	432 [196]	437 [198]	452 [205]	457 [207]
Ship Weight lbs. [kg]	472 [214]	477 [216]	492 [223]	497 [225]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRPL- Series	B048CK10	B048DK10	B048JK06(E/X)	B048JK08(E/X)
<b>Cooling Performance<sup>1</sup></b>				
Gross Cooling Capacity Btu [kW]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]
EER/SEER <sup>2</sup>	12/14	12/14	12/14	12/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
Net Sensible Capacity Btu [kW]	34,990 [10.25]	34,990 [10.25]	34,990 [10.25]	34,990 [10.25]
Net Latent Capacity Btu [kW]	14,010 [4.1]	14,010 [4.1]	14,010 [4.1]	14,010 [4.1]
Net System Power [kW]	4.08	4.04	4.08	4.08
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	60,000 [17.58]	80,000 [23.44]
Heating Output Btu [kW]	81,000 [23.73]	81,000 [23.73]	47,000 [13.77]	62,000 [18.17]
Temperature Rise Range °F [°C]	45-85 [25/47.2]	45-85 [25-47.2]	30-60 [16.7/33.3]	40-70 [22.2/38.9]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	5	3	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>				
	78	78	78	78
<b>Outdoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]
	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
<b>Indoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm]	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>				
	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3300 [1557]	3300 [1557]	3300 [1557]	3300 [1557]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>				
	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>				
	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>				
	161.2 [4570]	161.2 [4570]	161.2 [4570]	161.2 [4570]
<b>Weights</b>				
Net Weight lbs. [kg]	462 [210]	462 [210]	461 [209]	466 [211]
Ship Weight lbs. [kg]	502 [228]	502 [228]	501 [227]	506 [230]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RRPL- Series	B048JK10(E/X)	B060CK10	B060DK10	B060JK10(E/X)
<b>Cooling Performance<sup>1</sup></b>				
Gross Cooling Capacity Btu [kW]	50,500 [14.8]	59,500 [17.43]	59,500 [17.43]	59,500 [17.43]
EER/SEER <sup>2</sup>	12/14	10.8/14	10.8/14	10.8/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	2000/1850 [944/873]	2000/1850 [944/873]	2000/1850 [944/873]
AHRI Net Cooling Capacity Btu [kW]	49,000 [14.36]	57,500 [16.85]	57,500 [16.85]	57,500 [16.85]
Net Sensible Capacity Btu [kW]	34,990 [10.25]	40,460 [11.85]	40,460 [11.85]	40,460 [11.85]
Net Latent Capacity Btu [kW]	14,010 [4.1]	17,040 [4.99]	17,040 [4.99]	17,040 [4.99]
Net System Power [kW]	4.08	5.32	5.32	5.32
<b>Heating Performance (Package Gas/Electric)<sup>3</sup></b>				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	77,000 [22.56]	81,000 [23.73]	77,000 [22.56]	77,000 [22.56]
Temperature Rise Range °F [°C]	45-85 [25/47.2]	45-85 [25/47.2]	45-85 [25/47.2]	45-85 [25/47.2]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	5	5	5
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>				
	78	78	78	78
<b>Outdoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
<b>Indoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>				
Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3300 [1557]	3300 [1557]	3300 [1557]	3300 [1557]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>				
FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	1	1	1
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>				
Field Supplied	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x30 [25x610x762]	(1)1x24x30 [25x610x762]	(1)1x24x30 [25x610x762]
<b>Refrigerant Charge Oz. [g]</b>				
	161.2 [4570]	172.8 [4899]	172.8 [4899]	172.8 [4899]
<b>Weights</b>				
Net Weight lbs. [kg]	471 [214]	532 [241]	532 [241]	532 [241]
Ship Weight lbs. [kg]	511 [232]	577 [262]	577 [262]	577 [262]

See Page 29 for Notes.

[ ] Designates Metric Conversions





**NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]**

Model RRRL- Series	C024JK06(E/X)	C036CK06	C036CK08	C036CK10
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity (2nd Stage) Btu [kW]	24,200 [7.09]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]
SEER <sup>2</sup>	16.1	16.3	16.3	16.3
EER (1st stage / 2nd stage)	13.5/12.4	13.4/12.3	13.4/12.3	13.4/12.3
AHRI Rated CFM (1st / 2nd stage) [L/s]	550/800 [260/378]	800/1200 [378/566]	800/1200 [378/566]	800/1200 [378/566]
AHRI Net Cooling Capacity (1st / 2nd stage) Btu [kW]	18,500/23,800 [5.42/6.97]	25,000/36,000 [7.32/10.55]	25,000/36,000 [7.32/10.55]	25,000/36,000 [7.32/10.55]
Net Sensible Capacity (1st / 2nd stage) Btu [kW]	13,380/17,410 [3.92/5.1]	18,470/27,280 [5.41/7.99]	18,470/27,280 [5.41/7.99]	18,470/27,280 [5.41/7.99]
Net Latent Capacity (1st / 2nd stage) Btu [kW]	5,120/6,390 [1.51/1.87]	6,530/8,720 [1.91/2.55]	6,530/8,720 [1.91/2.55]	6,530/8,720 [1.91/2.55]
Net System Power (1st / 2nd stage) [kW]	1.37/1.92	1.87/2.94	1.87/2.94	1.87/2.94
<b>Heating Performance (Gas)<sup>3</sup></b>				
Heating Input Btu [kW] (1st / 2nd stage)	42,000/60,000 [12.31/17.58]	42,000/60,000 [12.31/17.58]	56,000/80,000 [16.41/23.44]	70,000/100,000 [20.51/29.3]
Heating Output Btu [kW] (1st / 2nd stage)	33,600/48,000 [9.84/14.06]	34,020/48,600 [9.97/14.24]	45,360/64,800 [13.29/18.99]	56,700/81,000 [16.61/23.73]
Temperature Rise Range °F [°C] (1st / 2nd stage)	25-55 [13.9-30.6] / 40-70 [22.2-38.9]	15-45 [8.3-25] / 30-60 [16.7-33.3]	20-50 [11.1-27.8] / 40-70 [22.2-38.9]	35-65 [19.4-36.1] / 55-85 [30.6-47.2]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	3	3	4	5
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>				
	76	76	76	76
<b>Outdoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	10.56 [0.98]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]
	1 / 18 [7]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
<b>Indoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm]	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	5.54 [0.51]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>				
No. Used/Diameter in. [mm]	Propeller	Propeller	Propeller	Propeller
Drive Type/No. Speeds	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
CFM [L/s]	Direct/1	Direct/1	Direct/1	Direct/1
No. Motors/HP	2500 [1180]	2700 [1274]	2700 [1274]	2700 [1274]
Motor RPM	1 at 1/6 HP	1 at 1/6 HP	1 at 1/6 HP	1 at 1/6 HP
	850	850	850	850
<b>Indoor Fan—Type</b>				
No. Used/Diameter in. [mm]	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
Drive Type/No. Speeds	1/9x7 [229x178]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
No. Motors	Direct/11	Direct/11	Direct/11	Direct/11
Motor HP	1	1	1	1
Motor RPM	1/3	1/2	1/2	1/2
Motor Frame Size	1050	1050	1050	1050
	48	48	48	48
<b>Filter—Type</b>				
Furnished	Field Supplied	Field Supplied	Field Supplied	Field Supplied
(NO.) Size Recommended in. [mm x mm x mm]	No	No	No	No
	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>				
	97.6 [2767]	155.2 [4400]	155.2 [4400]	155.2 [4400]
<b>Weights</b>				
Net Weight lbs. [kg]	454 [206]	544 [247]	549 [249]	554 [251]
Ship Weight lbs. [kg]	467 [212]	558 [253]	558 [253]	558 [253]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRRL- Series	C036JK06(E/X)	C036JK08(E/X)	C036JK10(E/X)	C048CK08
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity (2nd Stage) Btu [kW]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]	48,500 [14.21]
SEER <sup>2</sup>	16.3	16.3	16.3	15
EER (1st stage / 2nd stage)	13.4/12.3	13.4/12.3	13.4/12.3	12.7/11.5
AHRI Rated CFM (1st / 2nd stage) [L/s]	800/1200 [378/566]	800/1200 [378/566]	800/1200 [378/566]	1050/1600 [495/755]
AHRI Net Cooling Capacity (1st / 2nd stage) Btu [kW]	25,000/36,000 [7.32/10.55]	25,000/36,000 [7.32/10.55]	25,000/36,000 [7.32/10.55]	34,800/47,000 [10.2/13.77]
Net Sensible Capacity (1st / 2nd stage) Btu [kW]	18,470/27,280 [5.41/7.99]	18,470/27,280 [5.41/7.99]	18,470/27,280 [5.41/7.99]	24,820/34,480 [7.27/10.1]
Net Latent Capacity (1st / 2nd stage) Btu [kW]	6,530/8,720 [1.91/2.55]	6,530/8,720 [1.91/2.55]	6,530/8,720 [1.91/2.55]	9,980/12,520 [2.92/3.67]
Net System Power (1st / 2nd stage) [kW]	1.87/2.94	1.87/2.94	1.87/2.94	2.73/4.1
<b>Heating Performance (Gas)<sup>3</sup></b>				
Heating Input Btu [kW] (1st / 2nd stage)	42,000/60,000 [12.31/17.58]	56,000/80,000 [16.41/23.44]	70,000/100,000 [20.51/29.3]	56,000/80,000 [16.41/23.44]
Heating Output Btu [kW] (1st / 2nd stage)	33,600/48,000 [9.84/14.06]	44,800/64,000 [13.13/18.75]	56,000/80,000 [16.41/23.44]	45,360/64,800 [13.29/18.99]
Temperature Rise Range °F [°C] (1st / 2nd stage)	15-45 [8.3-25] / 30-60 [16.7-33.3]	20-50 [11.1-27.8] / 40-70 [22.2-38.9]	35-65 [19.4-36.1] / 55-85 [30.6-47.2]	20-50 [11.1-27.8] / 40-70 [22.2-38.9]
AFUE (%) <sup>4</sup>	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	3	4	5	4
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	76	76	76	78
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2700 [1274]	2700 [1274]	2700 [1274]	3300 [1557]
No. Motors/HP	1 at 1/6 HP	1 at 1/6 HP	1 at 1/6 HP	1 at 1/3 HP
Motor RPM	850	850	850	850
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/11	Direct/11	Direct/11	Direct/11
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	3/4
Motor RPM	1050	1050	1050	1050
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	155.2 [4400]	155.2 [4400]	155.2 [4400]	169.6 [4808]
<b>Weights</b>				
Net Weight lbs. [kg]	552 [250]	557 [253]	557 [253]	549 [249]
Ship Weight lbs. [kg]	558 [253]	558 [253]	558 [253]	562 [255]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRRL- Series	C048CK10	C048JK08(E/X)	C048JK10(E/X)	C060CK10
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity (2nd Stage) Btu [kW]	48,500 [14.21]	48,500 [14.21]	48,500 [14.21]	60,500 [17.73]
SEER <sup>2</sup>	15	15	15	14.2
EER (1st stage / 2nd stage)	12.7/11.5	12.7/11.5	12.7/11.5	12/10.7
AHRI Rated CFM (1st / 2nd stage) [L/s]	1050/1600 [495/755]	1050/1600 [495/755]	1050/1600 [495/755]	1250/1850 [590/873]
AHRI Net Cooling Capacity (1st / 2nd stage) Btu [kW]	34,800/47,000 [10.2/13.77]	34,800/47,000 [10.2/13.77]	34,800/47,000 [10.2/13.77]	41,800/58,000 [12.25/16.99]
Net Sensible Capacity (1st / 2nd stage) Btu [kW]	24,820/34,480 [7.27/10.1]	24,820/34,480 [7.27/10.1]	24,820/34,480 [7.27/10.1]	30,000/42,280 [8.79/12.39]
Net Latent Capacity (1st / 2nd stage) Btu [kW]	9,980/12,520 [2.92/3.67]	9,980/12,520 [2.92/3.67]	9,980/12,520 [2.92/3.67]	11,800/15,720 [3.46/4.61]
Net System Power (1st / 2nd stage) [kW]	2.73/4.1	2.73/4.1	2.73/4.1	3.48/5.4
<b>Heating Performance (Gas)<sup>3</sup></b>				
Heating Input Btu [kW] (1st / 2nd stage)	70,000/100,000 [20.51/29.3]	56,000/80,000 [16.41/23.44]	70,000/100,000 [20.51/29.3]	70,000/100,000 [20.51/29.3]
Heating Output Btu [kW] (1st / 2nd stage)	56,700/81,000 [16.61/23.73]	44,800/64,000 [13.13/18.75]	56,000/80,000 [16.41/23.44]	56,700/81,000 [16.61/23.73]
Temperature Rise Range °F [°C] (1st / 2nd stage)	35-65 [19.4-36.1] / 55-85 [30.6-47.2]	20-50 [11.1-27.8] / 40-70 [22.2-38.9]	35-65 [19.4-36.1] / 55-85 [30.6-47.2]	30-60 [16.7-33.3] / 45-75 [25-41.7]
AFUE (%) <sup>4</sup>	0	80	80	0
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	4	5	5
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	78	78	78	78
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]	16.23 [1.51]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3300 [1557]	3300 [1557]	3300 [1557]	3300 [1557]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	850	850	850	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/12x9 [305x229]
Drive Type/No. Speeds	Direct/11	Direct/11	Direct/11	Direct/11
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	1
Motor RPM	1050	1050	1050	1050
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x30 [25x610x762]
<b>Refrigerant Charge Oz. [g]</b>	169.6 [4808]	169.6 [4808]	169.6 [4808]	165.8 [4700]
<b>Weights</b>				
Net Weight lbs. [kg]	554 [251]	557 [253]	562 [255]	571 [259]
Ship Weight lbs. [kg]	562 [255]	562 [255]	562 [255]	594 [269]

See Page 29 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RRRL- Series	C060JK10(E/X)
<b>Cooling Performance<sup>1</sup></b>	
Gross Cooling Capacity (2nd Stage) Btu [kW]	60,500 [17.73]
SEER <sup>2</sup>	14.2
EER (1st stage / 2nd stage)	12/10.7
AHRI Rated CFM (1st / 2nd stage) [L/s]	1250/1850 [590/873]
AHRI Net Cooling Capacity (1st / 2nd stage) Btu [kW]	41,800/58,000 [12.25/16.99]
Net Sensible Capacity (1st / 2nd stage) Btu [kW]	30,000/42,280 [8.79/12.39]
Net Latent Capacity (1st / 2nd stage) Btu [kW]	11,800/15,720 [3.46/4.61]
Net System Power (1st / 2nd stage) [kW]	3.48/5.4
<b>Heating Performance (Gas)<sup>3</sup></b>	
Heating Input Btu [kW] (1st / 2nd stage)	70,000/100,000 [20.51/29.3]
Heating Output Btu [kW] (1st / 2nd stage)	56,000/80,000 [16.41/23.44]
Temperature Rise Range °F [°C] (1st / 2nd stage)	30-60 [16.7-33.3] / 45-75 [25-41.7]
AFUE (%) <sup>4</sup>	80
Steady State Efficiency (%)	81
No. Burners	5
No. Stages	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]
<b>Compressor</b>	
No./Type	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>5</sup></b>	
	78
<b>Outdoor Coil—Fin Type</b>	
Tube Type	Louvered
	Rifled
Tube Size in. [mm] OD	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.23 [1.51]
Rows / FPI [FPcm]	2 / 22 [9]
<b>Indoor Coil—Fin Type</b>	
Tube Type	Louvered
	Rifled
Tube Size in. [mm]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]
Refrigerant Control	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]
<b>Outdoor Fan—Type</b>	
	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1
CFM [L/s]	3300 [1557]
No. Motors/HP	1 at 1/3 HP
Motor RPM	1075
<b>Indoor Fan—Type</b>	
	FC Centrifugal
No. Used/Diameter in. [mm]	1/12x9 [305x229]
Drive Type/No. Speeds	Direct/11
No. Motors	1
Motor HP	1
Motor RPM	1050
Motor Frame Size	48
<b>Filter—Type</b>	
	Field Supplied
Furnished	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x30 [25x610x762]
<b>Refrigerant Charge Oz. [g]</b>	
	165.8 [4700]
<b>Weights</b>	
Net Weight lbs. [kg]	583 [264]
Ship Weight lbs. [kg]	594 [269]

See Page 29 for Notes.

[ ] Designates Metric Conversions



### NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation in CFM range shown in airflow tables. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. EER and/or SEER are rated at AHRI conditions and in accordance with DOE test procedures.
3. Heating Performance limit settings and rating data were established and approved under laboratory test conditions using American National Standard Institute standards. Ratings shown are for elevations up to 2000 feet. For elevations above 2000 feet, ratings should be reduced at the rate of 4% for each 1000 feet above sea level.
4. AFUE is rated in accordance with DOE test procedures.
5. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.



## GROSS SYSTEMS PERFORMANCE DATA—B024

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		880 [415]	800 [378]	680 [321]	880 [415]	800 [378]	680 [321]	880 [415]	800 [378]	680 [321]	
DR ①		.19	.17	.16	.19	.17	.16	.19	.17	.16	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	29.6 [8.67] 17.6 [5.16] 1.5	29.0 [8.50] 16.8 [4.92] 1.5	28.5 [8.35] 16.0 [4.69] 1.5	27.8 [8.15] 20.7 [6.07] 1.5	27.3 [8.00] 19.8 [5.80] 1.5	26.8 [7.85] 18.8 [5.51] 1.5	26.6 [7.80] 22.1 [6.48] 1.5	26.1 [7.65] 21.2 [6.21] 1.5	25.7 [7.53] 20.2 [5.92] 1.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	29.0 [8.50] 17.3 [5.07] 1.6	28.5 [8.35] 16.5 [4.84] 1.6	28.0 [8.21] 15.7 [4.60] 1.6	27.2 [7.97] 20.3 [5.95] 1.6	26.8 [7.85] 19.4 [5.69] 1.6	26.3 [7.71] 18.5 [5.42] 1.6	26.0 [7.62] 21.8 [6.39] 1.6	25.6 [7.50] 20.8 [6.10] 1.6	25.1 [7.36] 19.9 [5.83] 1.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	28.3 [8.29] 16.9 [4.95] 1.7	27.8 [8.15] 16.1 [4.72] 1.7	27.3 [8.00] 15.4 [4.51] 1.7	26.5 [7.77] 19.9 [5.83] 1.7	26.1 [7.65] 19.0 [5.57] 1.7	25.6 [7.50] 18.1 [5.30] 1.7	25.3 [7.41] 21.4 [6.27] 1.7	24.9 [7.30] 20.4 [5.98] 1.7	24.4 [7.15] 19.5 [5.71] 1.7
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	27.5 [8.06] 16.4 [4.81] 1.8	27.0 [7.91] 15.7 [4.60] 1.8	26.5 [7.77] 14.9 [4.37] 1.8	25.7 [7.53] 19.5 [5.71] 1.8	25.3 [7.41] 18.6 [5.45] 1.8	24.8 [7.27] 17.7 [5.19] 1.8	24.5 [7.18] 20.9 [6.13] 1.8	24.1 [7.06] 20.0 [5.86] 1.8	23.7 [6.95] 19.1 [5.60] 1.8
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	26.6 [7.80] 15.9 [4.66] 1.9	26.1 [7.65] 15.2 [4.45] 1.9	25.7 [7.53] 14.5 [4.25] 1.9	24.9 [7.30] 19.0 [5.57] 1.9	24.4 [7.15] 18.2 [5.33] 1.9	24.0 [7.03] 17.3 [5.07] 1.9	23.7 [6.95] 20.5 [6.01] 1.9	23.2 [6.80] 19.6 [5.74] 1.9	22.8 [6.68] 18.6 [5.45] 1.9
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	25.7 [7.53] 15.5 [4.54] 2.0	25.3 [7.41] 14.8 [4.34] 2.0	24.8 [7.27] 14.1 [4.13] 2.0	24.0 [7.03] 18.6 [5.45] 2.0	23.5 [6.89] 17.8 [5.22] 2.0	23.1 [6.77] 16.9 [4.95] 2.0	22.8 [6.68] 20.0 [5.86] 2.0	22.4 [6.56] 19.2 [5.63] 2.0	22.0 [6.45] 18.3 [5.36] 2.0
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	24.9 [7.30] 15.1 [4.43] 2.1	24.4 [7.15] 14.5 [4.25] 2.1	24.0 [7.03] 13.8 [4.04] 2.1	23.1 [6.77] 18.2 [5.33] 2.1	22.7 [6.65] 17.4 [5.10] 2.1	22.3 [6.54] 16.6 [4.86] 2.1	21.9 [6.42] 19.7 [5.77] 2.1	21.5 [6.30] 18.8 [5.51] 2.1	21.1 [6.18] 17.9 [5.25] 2.1
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	24.0 [7.03] 14.9 [4.37] 2.2	23.6 [6.92] 14.2 [4.16] 2.2	23.2 [6.80] 13.6 [3.99] 2.1	22.3 [6.54] 18.0 [5.28] 2.2	21.9 [6.42] 17.2 [5.04] 2.2	21.5 [6.30] 16.4 [4.81] 2.1	21.1 [6.18] 19.4 [5.69] 2.2	20.7 [6.07] 18.6 [5.45] 2.2	20.3 [5.95] 17.7 [5.19] 2.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	23.3 [6.83] 14.8 [4.34] 2.3	22.9 [6.71] 14.1 [4.13] 2.3	22.4 [6.56] 13.4 [3.93] 2.2	21.5 [6.30] 17.8 [5.22] 2.3	21.1 [6.18] 17.0 [4.98] 2.3	20.8 [6.10] 16.2 [4.75] 2.2	20.3 [5.95] 19.3 [5.66] 2.3	20.0 [5.86] 18.4 [5.39] 2.3	19.6 [5.74] 17.6 [5.16] 2.2

## GROSS SYSTEMS PERFORMANCE DATA—B030

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]	
DR ①		.22	.20	.19	.22	.20	.19	.22	.20	.19	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	36.7 [10.76] 21.3 [6.24] 1.8	36.0 [10.55] 20.4 [5.98] 1.8	35.4 [10.37] 19.4 [5.69] 1.8	34.5 [10.11] 25.4 [7.44] 1.8	33.9 [9.94] 24.3 [7.12] 1.8	33.3 [9.76] 23.2 [6.80] 1.8	33.1 [9.70] 27.1 [7.94] 1.8	32.6 [9.55] 25.9 [7.59] 1.8	32.0 [9.38] 24.7 [7.24] 1.8
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	35.8 [10.49] 20.7 [6.07] 1.9	35.2 [10.32] 19.8 [5.80] 1.9	34.5 [10.11] 18.9 [5.54] 1.9	33.6 [9.85] 24.8 [7.27] 1.9	33.0 [9.67] 23.7 [6.95] 1.9	32.4 [9.50] 22.6 [6.62] 1.9	32.2 [9.44] 26.5 [7.77] 1.9	31.7 [9.29] 25.3 [7.41] 1.9	31.1 [9.11] 24.1 [7.06] 1.9
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	34.8 [10.20] 20.1 [5.89] 2.0	34.2 [10.02] 19.2 [5.63] 2.0	33.5 [9.82] 18.3 [5.36] 2.0	32.6 [9.55] 24.2 [7.09] 2.0	32.0 [9.38] 23.1 [6.77] 2.0	31.4 [9.20] 22.0 [6.45] 2.0	31.2 [9.14] 25.9 [7.59] 2.0	30.7 [9.00] 24.7 [7.24] 2.0	30.1 [8.82] 23.6 [6.92] 2.0
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	33.7 [9.88] 19.5 [5.71] 2.2	33.1 [9.70] 18.6 [5.45] 2.1	32.5 [9.52] 17.7 [5.19] 2.1	31.5 [9.23] 23.6 [6.92] 2.2	30.9 [9.06] 22.5 [6.59] 2.1	30.3 [8.88] 21.5 [6.30] 2.1	30.1 [8.82] 25.2 [7.39] 2.1	29.6 [8.67] 24.1 [7.06] 2.1	29.0 [8.50] 23.0 [6.74] 2.1
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	32.5 [9.52] 18.8 [5.51] 2.3	31.9 [9.35] 18.0 [5.28] 2.2	31.3 [9.17] 17.2 [5.04] 2.2	30.3 [8.88] 23.0 [6.74] 2.3	29.7 [8.70] 21.9 [6.42] 2.2	29.2 [8.56] 20.9 [6.13] 2.2	28.9 [8.47] 24.6 [7.21] 2.3	28.4 [8.32] 23.5 [6.89] 2.2	27.9 [8.18] 22.4 [6.56] 2.2
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	31.2 [9.14] 18.2 [5.33] 2.4	30.6 [8.97] 17.4 [5.10] 2.4	30.1 [8.82] 16.6 [4.86] 2.3	29.0 [8.50] 22.3 [6.54] 2.4	28.5 [8.35] 21.3 [6.24] 2.4	28.0 [8.21] 20.3 [5.95] 2.3	27.7 [8.12] 24.0 [7.03] 2.4	27.2 [7.97] 22.9 [6.71] 2.4	26.7 [7.83] 21.8 [6.39] 2.3
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	29.9 [8.76] 17.5 [5.13] 2.5	29.4 [8.62] 16.7 [4.89] 2.5	28.8 [8.44] 16.0 [4.69] 2.5	27.7 [8.12] 21.6 [6.33] 2.5	27.2 [7.97] 20.7 [6.07] 2.5	26.7 [7.83] 19.7 [5.77] 2.5	26.3 [7.71] 23.3 [6.83] 2.5	25.9 [7.59] 22.3 [6.54] 2.5	25.4 [7.44] 21.2 [6.21] 2.4
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	28.5 [8.35] 16.8 [4.92] 2.6	28.0 [8.21] 16.0 [4.69] 2.6	27.5 [8.06] 15.3 [4.48] 2.6	26.3 [7.71] 20.9 [6.13] 2.6	25.9 [7.59] 20.0 [5.86] 2.6	25.4 [7.44] 19.0 [5.57] 2.6	25.0 [7.33] 22.6 [6.62] 2.6	24.5 [7.18] 21.6 [6.33] 2.6	24.1 [7.06] 20.6 [6.04] 2.6
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	27.2 [7.97] 16.0 [4.69] 2.7	26.7 [7.83] 15.3 [4.48] 2.7	26.2 [7.68] 14.6 [4.28] 2.7	25.0 [7.33] 20.1 [5.89] 2.7	24.5 [7.18] 19.2 [5.63] 2.7	24.1 [7.06] 18.3 [5.36] 2.7	23.6 [6.92] 21.8 [6.39] 2.7	23.2 [6.80] 20.8 [6.10] 2.7	22.8 [6.68] 19.8 [5.80] 2.7

DR —Depression ratio  
dbE—Entering air dry bulb  
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions



# SYSTEMS PERFORMANCE—RRNL- SERIES

## GROSS SYSTEMS PERFORMANCE DATA—B036

			ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①								
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1320 [623]	1200 [566]	1080 [510]	1320 [623]	1200 [566]	1080 [510]	1320 [623]	1200 [566]	1080 [510]
DR ①			.17	.15	.13	.17	.15	.13	.17	.15	.13
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	44.9 [13.16]	44.1 [12.92]	43.3 [12.69]	42.3 [12.40]	41.5 [12.16]	40.7 [11.93]	40.6 [11.90]	39.9 [11.69]	39.2 [11.49]
		Sens BTUH [kW]	26.5 [7.77]	25.3 [7.41]	24.1 [7.06]	31.6 [9.26]	30.2 [8.85]	28.8 [8.44]	33.5 [9.82]	32.0 [9.38]	30.5 [8.94]
		Power	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	80 [26.7]	Total BTUH [kW]	44.2 [12.95]	43.4 [12.72]	42.6 [12.48]	41.6 [12.19]	40.8 [11.96]	40.1 [11.75]	39.9 [11.69]	39.2 [11.49]	38.5 [11.28]
		Sens BTUH [kW]	26.2 [7.68]	25.0 [7.33]	23.8 [6.98]	31.3 [9.17]	29.9 [8.76]	28.5 [8.35]	33.2 [9.73]	31.7 [9.29]	30.2 [8.85]
		Power	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.3
	85 [29.4]	Total BTUH [kW]	43.1 [12.63]	42.4 [12.43]	41.6 [12.19]	40.5 [11.87]	39.8 [11.66]	39.1 [11.46]	38.9 [11.40]	38.2 [11.20]	37.5 [10.99]
		Sens BTUH [kW]	25.6 [7.50]	24.4 [7.15]	23.3 [6.83]	30.7 [9.00]	29.3 [8.59]	27.9 [8.18]	32.6 [9.55]	31.1 [9.11]	29.7 [8.70]
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	90 [32.2]	Total BTUH [kW]	41.8 [12.25]	41.1 [12.05]	40.3 [11.81]	39.2 [11.49]	38.5 [11.28]	37.8 [11.08]	37.6 [11.02]	36.9 [10.81]	36.2 [10.61]
Sens BTUH [kW]		24.8 [7.27]	23.7 [6.95]	22.6 [6.62]	29.9 [8.76]	28.6 [8.38]	27.3 [8.00]	31.8 [9.32]	30.4 [8.91]	29.0 [8.50]	
Power		2.7	2.7	2.6	2.7	2.6	2.6	2.7	2.6	2.6	
95 [35]	Total BTUH [kW]	40.3 [11.81]	39.6 [11.61]	38.9 [11.40]	37.7 [11.05]	37.0 [10.84]	36.4 [10.67]	36.1 [10.58]	35.4 [10.37]	34.8 [10.20]	
	Sens BTUH [kW]	24.0 [7.03]	22.9 [6.71]	21.9 [6.42]	29.1 [8.53]	27.8 [8.15]	26.5 [7.77]	31.0 [9.09]	29.6 [8.67]	28.3 [8.29]	
	Power	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
100 [37.8]	Total BTUH [kW]	38.8 [11.37]	38.1 [11.17]	37.4 [10.96]	36.1 [10.58]	35.5 [10.40]	34.8 [10.20]	34.5 [10.11]	33.9 [9.94]	33.3 [9.76]	
	Sens BTUH [kW]	23.2 [6.80]	22.1 [6.48]	21.1 [6.18]	28.3 [8.29]	27.0 [7.91]	25.8 [7.56]	30.2 [8.85]	28.8 [8.44]	27.5 [8.06]	
	Power	3.0	2.9	2.9	3.0	2.9	2.9	2.9	2.9	2.9	
105 [40.6]	Total BTUH [kW]	37.2 [10.90]	36.5 [10.70]	35.9 [10.52]	34.6 [10.14]	34.0 [9.96]	33.3 [9.76]	32.9 [9.64]	32.3 [9.47]	31.8 [9.32]	
	Sens BTUH [kW]	22.4 [6.56]	21.4 [6.27]	20.4 [5.98]	27.5 [8.06]	26.3 [7.71]	25.0 [7.33]	29.4 [8.62]	28.1 [8.24]	26.8 [7.85]	
	Power	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.1	3.0	
110 [43.3]	Total BTUH [kW]	35.7 [10.46]	35.1 [10.29]	34.5 [10.11]	33.1 [9.70]	32.5 [9.52]	31.9 [9.35]	31.5 [9.23]	30.9 [9.06]	30.4 [8.91]	
	Sens BTUH [kW]	21.8 [6.39]	20.8 [6.10]	19.8 [5.80]	26.9 [7.88]	25.7 [7.53]	24.5 [7.18]	28.8 [8.44]	27.5 [8.06]	26.2 [7.68]	
	Power	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	
115 [46.1]	Total BTUH [kW]	34.5 [10.11]	33.9 [9.94]	33.3 [9.76]	31.9 [9.35]	31.3 [9.17]	30.7 [9.00]	30.2 [8.85]	29.7 [8.70]	29.2 [8.56]	
	Sens BTUH [kW]	21.3 [6.24]	20.4 [5.98]	19.4 [5.69]	26.4 [7.74]	25.2 [7.39]	24.1 [7.06]	28.3 [8.29]	27.1 [7.94]	25.8 [7.56]	
	Power	3.4	3.4	3.3	3.4	3.4	3.3	3.4	3.3	3.3	

## GROSS SYSTEMS PERFORMANCE DATA—B042

			ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①								
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]
DR ①			.18	.17	.15	.18	.17	.15	.18	.17	.15
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	53.6 [15.71]	52.6 [15.42]	51.7 [15.15]	50.3 [14.74]	49.4 [14.48]	48.5 [14.21]	48.6 [14.24]	47.7 [13.98]	46.8 [13.72]
		Sens BTUH [kW]	31.1 [9.11]	29.7 [8.70]	28.3 [8.29]	36.6 [10.73]	34.9 [10.23]	33.3 [9.76]	39.7 [11.63]	37.9 [11.11]	36.2 [10.61]
		Power	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	80 [26.7]	Total BTUH [kW]	52.1 [15.27]	51.1 [14.98]	50.2 [14.71]	48.7 [14.27]	47.9 [14.04]	47.0 [13.77]	47.0 [13.77]	46.2 [13.54]	45.4 [13.31]
		Sens BTUH [kW]	30.4 [8.91]	29.0 [8.50]	27.7 [8.12]	35.9 [10.52]	34.3 [10.05]	32.7 [9.58]	39.0 [11.43]	37.3 [10.93]	35.5 [10.40]
		Power	2.8	2.7	2.7	2.8	2.7	2.7	2.8	2.7	2.7
	85 [29.4]	Total BTUH [kW]	50.6 [14.83]	49.7 [14.57]	48.8 [14.30]	47.3 [13.86]	46.4 [13.60]	45.6 [13.36]	45.6 [13.36]	44.8 [13.13]	44.0 [12.90]
		Sens BTUH [kW]	29.7 [8.70]	28.4 [8.32]	27.1 [7.94]	35.2 [10.32]	33.6 [9.85]	32.0 [9.38]	38.3 [11.22]	36.6 [10.73]	34.9 [10.23]
		Power	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	90 [32.2]	Total BTUH [kW]	49.3 [14.45]	48.4 [14.18]	47.5 [13.92]	45.9 [13.45]	45.1 [13.22]	44.3 [12.98]	44.2 [12.95]	43.4 [12.72]	42.6 [12.48]
Sens BTUH [kW]		29.0 [8.50]	27.7 [8.12]	26.4 [7.74]	34.5 [10.11]	32.9 [9.64]	31.4 [9.20]	37.6 [11.02]	35.9 [10.52]	34.3 [10.05]	
Power		3.1	3.1	3.0	3.1	3.1	3.0	3.1	3.1	3.0	
95 [35]	Total BTUH [kW]	47.9 [14.04]	47.1 [13.80]	46.2 [13.54]	44.6 [13.07]	43.8 [12.84]	43.0 [12.60]	42.9 [12.57]	42.1 [12.34]	41.4 [12.13]	
	Sens BTUH [kW]	28.3 [8.29]	27.1 [7.94]	25.8 [7.56]	33.8 [9.91]	32.3 [9.47]	30.8 [9.03]	36.9 [10.81]	35.3 [10.35]	33.6 [9.85]	
	Power	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	
100 [37.8]	Total BTUH [kW]	46.6 [13.66]	45.8 [13.42]	44.9 [13.16]	43.2 [12.66]	42.5 [12.46]	41.7 [12.22]	41.6 [12.19]	40.8 [11.96]	40.1 [11.75]	
	Sens BTUH [kW]	27.6 [8.09]	26.4 [7.74]	25.1 [7.36]	33.1 [9.70]	31.6 [9.26]	30.1 [8.82]	36.2 [10.61]	34.6 [10.14]	33.0 [9.67]	
	Power	3.4	3.4	3.4	3.4	3.4	3.3	3.4	3.4	3.3	
105 [40.6]	Total BTUH [kW]	45.3 [13.28]	44.4 [13.01]	43.6 [12.78]	41.9 [12.28]	41.2 [12.07]	40.4 [11.84]	40.2 [11.78]	39.5 [11.58]	38.8 [11.37]	
	Sens BTUH [kW]	26.9 [7.88]	25.7 [7.53]	24.5 [7.18]	32.3 [9.47]	30.9 [9.06]	29.4 [8.62]	35.5 [10.40]	33.9 [9.94]	32.3 [9.47]	
	Power	3.6	3.5	3.5	3.6	3.5	3.5	3.6	3.5	3.5	
110 [43.3]	Total BTUH [kW]	43.9 [12.87]	43.1 [12.63]	42.3 [12.40]	40.5 [11.87]	39.8 [11.66]	39.1 [11.46]	38.8 [11.37]	38.2 [11.20]	37.5 [10.99]	
	Sens BTUH [kW]	26.1 [7.65]	24.9 [7.30]	23.7 [6.95]	31.5 [9.23]	30.1 [8.82]	28.7 [8.41]	34.7 [10.17]	33.1 [9.70]	31.6 [9.26]	
	Power	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	
115 [46.1]	Total BTUH [kW]	42.4 [12.43]	41.7 [12.22]	40.9 [11.99]	39.1 [11.46]	38.4 [11.25]	37.7 [11.05]	37.4 [10.96]	36.7 [10.76]	36.1 [10.58]	
	Sens BTUH [kW]	25.2 [7.39]	24.1 [7.06]	23.0 [6.74]	30.7 [9.00]	29.3 [8.59]	28.0 [8.21]	33.8 [9.91]	32.3 [9.47]	30.8 [9.03]	
	Power	3.9	3.9	3.8	3.9	3.8	3.8	3.9	3.8	3.8	

DR —Depression ratio  
dbE—Entering air dry bulb  
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions



## GROSS SYSTEMS PERFORMANCE DATA—B048

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	
DR ①		.22	.20	.19	.22	.20	.19	.22	.20	.19	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	61.6 [18.05] 34.8 [10.20] 3.0	60.5 [17.73] 33.2 [9.73] 2.9	59.4 [17.41] 31.7 [9.29] 2.9	58.0 [17.00] 41.6 [12.19] 2.9	57.0 [16.71] 39.7 [11.63] 2.9	55.9 [16.38] 37.9 [11.11] 2.9	55.3 [16.21] 44.4 [13.01] 2.9	54.3 [15.91] 42.4 [12.43] 2.9	53.3 [15.62] 40.4 [11.84] 2.9
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	59.9 [17.55] 33.7 [9.88] 3.1	58.8 [17.23] 32.2 [9.44] 3.1	57.7 [16.91] 30.7 [9.00] 3.1	56.2 [16.47] 40.5 [11.87] 3.1	55.2 [16.18] 38.7 [11.34] 3.1	54.2 [15.88] 36.9 [10.81] 3.1	53.5 [15.68] 43.3 [12.69] 3.1	52.6 [15.42] 41.4 [12.13] 3.1	51.6 [15.12] 39.4 [11.55] 3.1
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	58.2 [17.06] 32.8 [9.61] 3.3	57.1 [16.73] 31.3 [9.17] 3.3	56.1 [16.44] 29.8 [8.73] 3.3	54.5 [15.97] 39.6 [11.61] 3.3	53.5 [15.68] 37.8 [11.08] 3.3	52.6 [15.42] 36.0 [10.55] 3.2	51.8 [15.18] 42.3 [12.40] 3.3	50.9 [14.92] 40.4 [11.84] 3.3	49.9 [14.62] 38.6 [11.31] 3.2
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	56.4 [16.53] 31.9 [9.35] 3.5	55.4 [16.24] 30.4 [8.91] 3.5	54.4 [15.94] 29.0 [8.50] 3.4	52.8 [15.47] 38.7 [11.34] 3.5	51.8 [15.18] 36.9 [10.81] 3.4	50.9 [14.92] 35.2 [10.32] 3.4	50.1 [14.68] 41.4 [12.13] 3.5	49.2 [14.42] 39.6 [11.61] 3.4	48.3 [14.16] 37.7 [11.05] 3.4
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	54.7 [16.03] 31.0 [9.09] 3.7	53.7 [15.74] 29.6 [8.67] 3.6	52.7 [15.44] 28.2 [8.26] 3.6	51.0 [14.95] 37.8 [11.08] 3.7	50.1 [14.68] 36.1 [10.58] 3.6	49.2 [14.42] 34.4 [10.08] 3.6	48.3 [14.16] 40.6 [11.90] 3.6	47.4 [13.89] 38.7 [11.34] 3.6	46.6 [13.66] 36.9 [10.81] 3.6
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	52.9 [15.50] 30.1 [8.82] 3.9	51.9 [15.21] 28.8 [8.44] 3.8	51.0 [14.95] 27.4 [8.03] 3.8	49.2 [14.42] 36.9 [10.81] 3.8	48.3 [14.16] 35.3 [10.35] 3.8	47.5 [13.92] 33.6 [9.85] 3.8	46.5 [13.63] 39.7 [11.63] 3.8	45.7 [13.39] 37.9 [11.11] 3.8	44.8 [13.13] 36.1 [10.58] 3.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	51.0 [14.95] 29.2 [8.56] 4.0	50.1 [14.68] 27.9 [8.18] 4.0	49.2 [14.42] 26.6 [7.80] 4.0	47.3 [13.86] 36.0 [10.55] 4.0	46.5 [13.63] 34.4 [10.08] 4.0	45.6 [13.36] 32.8 [9.61] 3.9	44.6 [13.07] 38.8 [11.37] 4.0	43.8 [12.84] 37.0 [10.84] 4.0	43.0 [12.60] 35.3 [10.35] 3.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	49.0 [14.36] 28.2 [8.26] 4.2	48.1 [14.10] 27.0 [7.91] 4.2	47.2 [13.83] 25.7 [7.53] 4.1	45.3 [13.28] 35.0 [10.26] 4.2	44.5 [13.04] 33.5 [9.82] 4.2	43.7 [12.81] 31.9 [9.35] 4.1	42.6 [12.48] 37.8 [11.08] 4.2	41.9 [12.28] 36.1 [10.58] 4.1	41.1 [12.05] 34.4 [10.08] 4.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	46.9 [13.75] 27.1 [7.94] 4.4	46.1 [13.51] 25.9 [7.59] 4.4	45.2 [13.25] 24.7 [7.24] 4.3	43.2 [12.66] 33.9 [9.94] 4.4	42.5 [12.46] 32.4 [9.50] 4.3	41.7 [12.22] 30.9 [9.06] 4.3	40.5 [11.87] 36.7 [10.76] 4.4	39.8 [11.66] 35.1 [10.29] 4.3	39.1 [11.46] 33.4 [9.79] 4.3

## GROSS SYSTEMS PERFORMANCE DATA—C060

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		2040 [963]	1850 [873]	1660 [783]	2040 [963]	1850 [873]	1660 [783]	2040 [963]	1850 [873]	1660 [783]	
DR ①		.21	.20	.18	.21	.20	.18	.21	.20	.18	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	73.6 [21.57] 42.2 [12.37] 4.0	72.3 [21.19] 40.3 [11.81] 3.9	71.0 [20.81] 38.4 [11.25] 3.9	68.5 [20.08] 49.1 [14.39] 3.9	67.3 [19.72] 46.9 [13.75] 3.8	66.1 [19.37] 44.7 [13.10] 3.8	65.9 [19.31] 53.3 [15.62] 3.8	64.7 [18.96] 50.9 [14.92] 3.8	63.5 [18.61] 48.5 [14.21] 3.7
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	71.3 [20.90] 40.7 [11.93] 4.2	70.0 [20.51] 38.9 [11.40] 4.1	68.7 [20.13] 37.1 [10.87] 4.1	66.2 [19.40] 47.7 [13.98] 4.1	65.0 [19.05] 45.5 [13.33] 4.0	63.9 [18.73] 43.4 [12.72] 4.0	63.6 [18.64] 51.8 [15.18] 4.0	62.4 [18.29] 49.5 [14.51] 4.0	61.3 [17.97] 47.2 [13.83] 3.9
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	69.3 [20.31] 39.5 [11.58] 4.4	68.1 [19.96] 37.8 [11.08] 4.4	66.8 [19.58] 36.0 [10.55] 4.3	64.2 [18.82] 46.5 [13.63] 4.3	63.1 [18.49] 44.4 [13.01] 4.3	61.9 [18.14] 42.3 [12.40] 4.2	61.6 [18.05] 50.6 [14.83] 4.2	60.5 [17.73] 48.3 [14.16] 4.2	59.4 [17.41] 46.1 [13.51] 4.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	67.5 [19.78] 38.5 [11.28] 4.6	66.3 [19.43] 36.8 [10.79] 4.6	65.1 [19.08] 35.1 [10.29] 4.5	62.5 [18.32] 45.5 [13.33] 4.5	61.3 [17.97] 43.5 [12.75] 4.5	60.2 [17.64] 41.4 [12.13] 4.4	59.8 [17.53] 49.6 [14.54] 4.4	58.7 [17.20] 47.4 [13.89] 4.4	57.6 [16.88] 45.2 [13.25] 4.4
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	65.8 [19.28] 37.7 [11.05] 4.8	64.7 [18.96] 36.0 [10.55] 4.8	63.5 [18.61] 34.3 [10.05] 4.7	60.8 [17.82] 44.6 [13.07] 4.7	59.7 [17.50] 42.6 [12.48] 4.7	58.6 [17.17] 40.7 [11.93] 4.6	58.1 [17.03] 48.8 [14.30] 4.6	57.1 [16.73] 46.6 [13.66] 4.6	56.0 [16.41] 44.4 [13.01] 4.6
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	64.2 [18.82] 36.9 [10.81] 5.0	63.0 [18.46] 35.3 [10.35] 5.0	61.9 [18.14] 33.6 [9.85] 4.9	59.1 [17.32] 43.9 [12.87] 4.9	58.0 [17.00] 41.9 [12.28] 4.9	57.0 [16.71] 39.9 [11.69] 4.8	56.4 [16.53] 48.0 [14.07] 4.9	55.4 [16.24] 45.8 [13.42] 4.8	54.4 [15.94] 43.7 [12.81] 4.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	62.4 [18.29] 36.1 [10.58] 5.2	61.3 [17.97] 34.5 [10.11] 5.2	60.1 [17.61] 32.9 [9.64] 5.2	57.3 [16.79] 43.1 [12.63] 5.1	56.3 [16.50] 41.2 [12.07] 5.1	55.3 [16.21] 39.2 [11.49] 5.1	54.6 [16.00] 47.2 [13.83] 5.1	53.7 [15.74] 45.1 [13.22] 5.0	52.7 [15.44] 43.0 [12.60] 5.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	60.4 [17.70] 35.3 [10.35] 5.5	59.3 [17.38] 33.7 [9.88] 5.4	58.2 [17.06] 32.2 [9.44] 5.4	55.3 [16.21] 42.3 [12.40] 5.4	54.3 [15.91] 40.4 [11.84] 5.3	53.4 [15.65] 38.5 [11.28] 5.3	52.7 [15.44] 46.4 [13.60] 5.3	51.7 [15.15] 44.3 [12.98] 5.2	50.8 [14.89] 42.2 [12.37] 5.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	58.1 [17.03] 34.4 [10.08] 5.7	57.1 [16.73] 32.8 [9.61] 5.6	56.0 [16.41] 31.3 [9.17] 5.6	53.0 [15.53] 41.3 [12.10] 5.6	52.1 [15.27] 39.5 [11.58] 5.5	51.1 [14.98] 37.6 [11.02] 5.5	50.4 [14.77] 45.4 [13.31] 5.5	49.5 [14.51] 43.4 [12.72] 5.4	48.6 [14.24] 41.4 [12.13] 5.4

DR —Depression ratio  
dbE—Entering air dry bulb  
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 - DR) x (dbE - 80)].

[ ] Designates Metric Conversions





**GROSS SYSTEMS PERFORMANCE DATA—B024**

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	
DR ①		.19	.17	.15	.19	.17	.15	.19	.17	.15	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	29.6 [8.67] 17.6 [5.16] 1.5	29.1 [8.53] 16.8 [4.92] 1.5	28.5 [8.35] 16.0 [4.69] 1.5	27.8 [8.15] 20.7 [6.07] 1.5	27.3 [8.00] 19.8 [5.80] 1.5	26.8 [7.85] 18.9 [5.54] 1.5	26.6 [7.80] 22.2 [6.51] 1.5	26.1 [7.65] 21.2 [6.21] 1.5	25.6 [7.50] 20.2 [5.92] 1.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	29.0 [8.50] 17.3 [5.07] 1.6	28.5 [8.35] 16.5 [4.84] 1.6	28.0 [8.21] 15.7 [4.60] 1.6	27.2 [7.97] 20.4 [5.98] 1.6	26.7 [7.83] 19.5 [5.71] 1.6	26.3 [7.71] 18.5 [5.42] 1.6	26.0 [7.62] 21.9 [6.42] 1.6	25.5 [7.47] 20.9 [6.13] 1.6	25.1 [7.36] 19.9 [5.83] 1.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	28.3 [8.29] 16.8 [4.92] 1.7	27.8 [8.15] 16.1 [4.72] 1.7	27.3 [8.00] 15.3 [4.48] 1.7	26.5 [7.77] 19.9 [5.83] 1.7	26.0 [7.62] 19.1 [5.60] 1.7	25.6 [7.50] 18.2 [5.33] 1.7	25.3 [7.41] 21.4 [6.27] 1.7	24.8 [7.27] 20.5 [6.01] 1.7	24.4 [7.15] 19.5 [5.71] 1.7
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	27.5 [8.06] 16.4 [4.81] 1.8	27.0 [7.91] 15.6 [4.57] 1.8	26.5 [7.77] 14.9 [4.37] 1.8	25.7 [7.53] 19.5 [5.71] 1.8	25.2 [7.39] 18.6 [5.45] 1.8	24.8 [7.27] 17.7 [5.19] 1.8	24.5 [7.18] 21.0 [6.15] 1.8	24.0 [7.03] 20.0 [5.86] 1.8	23.6 [6.92] 19.1 [5.60] 1.8
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	26.6 [7.80] 15.9 [4.66] 1.9	26.1 [7.65] 15.2 [4.45] 1.9	25.7 [7.53] 14.5 [4.25] 1.9	24.8 [7.27] 19.0 [5.57] 1.9	24.4 [7.15] 18.2 [5.33] 1.9	23.9 [7.00] 17.3 [5.07] 1.9	23.6 [6.92] 20.5 [6.01] 1.9	23.2 [6.80] 19.6 [5.74] 1.9	22.8 [6.68] 18.7 [5.48] 1.9
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	25.7 [7.53] 15.5 [4.54] 2.0	25.2 [7.39] 14.8 [4.34] 2.0	24.8 [7.27] 14.1 [4.13] 2.0	23.9 [7.00] 18.6 [5.45] 2.0	23.5 [6.89] 17.7 [5.19] 2.0	23.1 [6.77] 16.9 [4.95] 2.0	22.7 [6.65] 20.1 [5.89] 2.0	22.3 [6.54] 19.2 [5.63] 2.0	21.9 [6.42] 18.3 [5.36] 2.0
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	24.8 [7.27] 15.1 [4.43] 2.1	24.4 [7.15] 14.4 [4.22] 2.1	23.9 [7.00] 13.7 [4.02] 2.1	23.0 [6.74] 18.2 [5.33] 2.1	22.6 [6.62] 17.4 [5.10] 2.1	22.2 [6.51] 16.6 [4.86] 2.1	21.8 [6.39] 19.7 [5.77] 2.1	21.4 [6.27] 18.8 [5.51] 2.1	21.0 [6.15] 17.9 [5.25] 2.1
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	24.0 [7.03] 14.8 [4.34] 2.2	23.5 [6.89] 14.2 [4.16] 2.2	23.1 [6.77] 13.5 [3.96] 2.2	22.2 [6.51] 17.9 [5.25] 2.2	21.8 [6.39] 17.1 [5.01] 2.2	21.4 [6.27] 16.3 [4.78] 2.2	21.0 [6.15] 19.4 [5.69] 2.2	20.6 [6.04] 18.6 [5.45] 2.2	20.2 [5.92] 17.7 [5.19] 2.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	23.2 [6.80] 14.7 [4.31] 2.3	22.8 [6.68] 14.0 [4.10] 2.3	22.4 [6.56] 13.4 [3.93] 2.2	21.4 [6.27] 17.8 [5.22] 2.3	21.0 [6.15] 17.0 [4.98] 2.3	20.7 [6.07] 16.2 [4.75] 2.2	20.2 [5.92] 19.3 [5.66] 2.3	19.8 [5.80] 18.4 [5.39] 2.3	19.5 [5.71] 17.6 [5.16] 2.2

**GROSS SYSTEMS PERFORMANCE DATA—B030**

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1100 [519]	1000 [472]	900 [425]	1100 [519]	1000 [472]	900 [425]	1100 [519]	1000 [472]	900 [425]	
DR ①		.20	.19	.17	.20	.19	.17	.20	.19	.17	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	36.7 [10.76] 21.5 [6.30] 1.8	36.1 [10.58] 20.6 [6.04] 1.8	35.4 [10.37] 19.6 [5.74] 1.8	34.5 [10.11] 25.7 [7.53] 1.8	33.9 [9.94] 24.6 [7.21] 1.8	33.3 [9.76] 23.4 [6.86] 1.8	33.1 [9.70] 27.4 [8.03] 1.8	32.5 [9.52] 26.2 [7.68] 1.8	32.0 [9.38] 25.0 [7.33] 1.8
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	35.8 [10.49] 20.9 [6.13] 1.9	35.2 [10.32] 20.0 [5.86] 1.9	34.5 [10.11] 19.0 [5.57] 1.9	33.6 [9.85] 25.1 [7.36] 1.9	33.0 [9.67] 24.0 [7.03] 1.9	32.4 [9.50] 22.9 [6.71] 1.9	32.2 [9.44] 26.8 [7.85] 1.9	31.6 [9.26] 25.6 [7.50] 1.9	31.1 [9.11] 24.4 [7.15] 1.9
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	34.8 [10.20] 20.3 [5.95] 2.0	34.2 [10.02] 19.4 [5.69] 2.0	33.5 [9.82] 18.5 [5.42] 2.0	32.6 [9.55] 24.5 [7.18] 2.0	32.0 [9.38] 23.4 [6.86] 2.0	31.4 [9.20] 22.3 [6.54] 2.0	31.2 [9.14] 26.1 [7.65] 2.0	30.6 [8.97] 25.0 [7.33] 2.0	30.1 [8.82] 23.8 [6.98] 2.0
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	33.7 [9.88] 19.7 [5.77] 2.1	33.1 [9.70] 18.8 [5.51] 2.1	32.5 [9.52] 17.9 [5.25] 2.1	31.4 [9.20] 23.8 [6.98] 2.1	30.9 [9.06] 22.8 [6.68] 2.1	30.3 [8.88] 21.7 [6.36] 2.1	30.1 [8.82] 25.5 [7.47] 2.1	29.5 [8.65] 24.4 [7.15] 2.1	29.0 [8.50] 23.3 [6.83] 2.1
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	32.4 [9.50] 19.0 [5.57] 2.3	31.9 [9.35] 18.2 [5.33] 2.2	31.3 [9.17] 17.3 [5.07] 2.2	30.2 [8.85] 23.2 [6.80] 2.3	29.7 [8.70] 22.2 [6.51] 2.2	29.1 [8.53] 21.1 [6.18] 2.2	28.9 [8.47] 24.9 [7.30] 2.2	28.3 [8.29] 23.8 [6.98] 2.2	27.8 [8.15] 22.7 [6.65] 2.2
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	31.2 [9.14] 18.4 [5.39] 2.4	30.6 [8.97] 17.6 [5.16] 2.3	30.1 [8.82] 16.7 [4.89] 2.3	28.9 [8.47] 22.6 [6.62] 2.4	28.4 [8.32] 21.6 [6.33] 2.3	27.9 [8.18] 20.5 [6.01] 2.3	27.6 [8.09] 24.2 [7.09] 2.4	27.1 [7.94] 23.2 [6.80] 2.3	26.6 [7.80] 22.1 [6.48] 2.3
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	29.8 [8.73] 17.7 [5.19] 2.5	29.3 [8.59] 16.9 [4.95] 2.5	28.8 [8.44] 16.1 [4.72] 2.4	27.6 [8.09] 21.9 [6.42] 2.5	27.1 [7.94] 20.9 [6.13] 2.5	26.6 [7.80] 19.9 [5.83] 2.4	26.2 [7.68] 23.5 [6.89] 2.5	25.8 [7.56] 22.5 [6.59] 2.4	25.3 [7.41] 21.4 [6.27] 2.4
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	28.5 [8.35] 16.9 [4.95] 2.6	27.9 [8.18] 16.2 [4.75] 2.6	27.4 [8.03] 15.4 [4.51] 2.5	26.2 [7.68] 21.1 [6.18] 2.6	25.8 [7.56] 20.2 [5.92] 2.6	25.3 [7.41] 19.2 [5.63] 2.5	24.9 [7.30] 22.8 [6.68] 2.6	24.4 [7.15] 21.8 [6.39] 2.6	24.0 [7.03] 20.8 [6.10] 2.5
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	27.1 [7.94] 16.2 [4.75] 2.7	26.6 [7.80] 15.4 [4.51] 2.7	26.1 [7.65] 14.7 [4.31] 2.6	24.8 [7.27] 20.3 [5.95] 2.7	24.4 [7.15] 19.4 [5.69] 2.7	23.9 [7.00] 18.5 [5.42] 2.6	23.5 [6.89] 22.0 [6.45] 2.7	23.0 [6.74] 21.0 [6.15] 2.7	22.6 [6.62] 20.1 [5.89] 2.6

DR —Depression ratio  
dbE—Entering air dry bulb  
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 - DR) x (dbE - 80)].

[ ] Designates Metric Conversions

# SYSTEMS PERFORMANCE—RRPL- SERIES



## GROSS SYSTEMS PERFORMANCE DATA—B036

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
		CFM [L/s]	1320 [623]	1200 [566]	1080 [510]	1320 [623]	1200 [566]	1080 [510]	1320 [623]	1200 [566]	1080 [510]
		DR ①	.19	.18	.16	.19	.18	.16	.19	.18	.16
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	44.7 [13.10]	43.9 [12.87]	43.1 [12.63]	42.1 [12.34]	41.3 [12.10]	40.6 [11.90]	40.4 [11.84]	39.7 [11.63]	39.0 [11.43]
		Sens BTUH [kW]	25.8 [7.56]	24.7 [7.24]	23.5 [6.89]	31.0 [9.09]	29.6 [8.67]	28.2 [8.26]	32.9 [9.64]	31.5 [9.23]	30.0 [8.79]
		Power	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1
	80 [26.7]	Total BTUH [kW]	44.0 [12.90]	43.3 [12.69]	42.5 [12.46]	41.4 [12.13]	40.6 [11.90]	39.9 [11.69]	39.7 [11.63]	39.0 [11.43]	38.3 [11.22]
		Sens BTUH [kW]	25.5 [7.47]	24.3 [7.12]	23.2 [6.80]	30.7 [9.00]	29.3 [8.59]	27.9 [8.18]	32.6 [9.55]	31.1 [9.11]	29.7 [8.70]
		Power	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	85 [29.4]	Total BTUH [kW]	43.0 [12.60]	42.2 [12.37]	41.4 [12.13]	40.3 [11.81]	39.6 [11.61]	38.9 [11.40]	38.6 [11.31]	38.0 [11.14]	37.3 [10.93]
		Sens BTUH [kW]	24.9 [7.30]	23.8 [6.98]	22.7 [6.65]	30.1 [8.82]	28.7 [8.41]	27.4 [8.03]	32.0 [9.38]	30.6 [8.97]	29.1 [8.53]
		Power	2.5	2.5	2.4	2.5	2.4	2.4	2.5	2.4	2.4
	90 [32.2]	Total BTUH [kW]	41.6 [12.19]	40.9 [11.99]	40.1 [11.75]	39.0 [11.43]	38.3 [11.22]	37.6 [11.02]	37.3 [10.93]	36.6 [10.73]	36.0 [10.55]
Sens BTUH [kW]		24.1 [7.06]	23.1 [6.77]	22.0 [6.45]	29.3 [8.59]	28.0 [8.21]	26.7 [7.83]	31.2 [9.14]	29.9 [8.76]	28.5 [8.35]	
Power		2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	
95 [35]	Total BTUH [kW]	40.1 [11.75]	39.4 [11.55]	38.7 [11.34]	37.5 [10.99]	36.8 [10.79]	36.1 [10.58]	35.8 [10.49]	35.2 [10.32]	34.5 [10.11]	
	Sens BTUH [kW]	23.3 [6.83]	22.3 [6.54]	21.2 [6.21]	28.5 [8.35]	27.2 [7.97]	25.9 [7.59]	30.4 [8.91]	29.1 [8.53]	27.7 [8.12]	
	Power	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	
100 [37.8]	Total BTUH [kW]	38.5 [11.28]	37.8 [11.08]	37.1 [10.87]	35.9 [10.52]	35.2 [10.32]	34.6 [10.14]	34.2 [10.02]	33.6 [9.85]	33.0 [9.67]	
	Sens BTUH [kW]	22.4 [6.56]	21.4 [6.27]	20.4 [5.98]	27.6 [8.09]	26.4 [7.74]	25.2 [7.39]	29.6 [8.67]	28.2 [8.26]	26.9 [7.88]	
	Power	2.9	2.9	2.8	2.9	2.8	2.8	2.9	2.8	2.8	
105 [40.6]	Total BTUH [kW]	36.9 [10.81]	36.3 [10.64]	35.6 [10.43]	34.3 [10.05]	33.7 [9.88]	33.0 [9.67]	32.6 [9.55]	32.0 [9.38]	31.4 [9.20]	
	Sens BTUH [kW]	21.6 [6.33]	20.7 [6.07]	19.7 [5.77]	26.8 [7.85]	25.6 [7.50]	24.4 [7.15]	28.8 [8.44]	27.5 [8.06]	26.2 [7.68]	
	Power	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	
110 [43.3]	Total BTUH [kW]	35.5 [10.40]	34.8 [10.20]	34.2 [10.02]	32.8 [9.61]	32.2 [9.44]	31.6 [9.26]	31.1 [9.11]	30.6 [8.97]	30.0 [8.79]	
	Sens BTUH [kW]	21.0 [6.15]	20.1 [5.89]	19.1 [5.60]	26.2 [7.68]	25.0 [7.33]	23.8 [6.98]	28.1 [8.24]	26.9 [7.88]	25.6 [7.50]	
	Power	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	
115 [46.1]	Total BTUH [kW]	34.2 [10.02]	33.6 [9.85]	33.0 [9.67]	31.5 [9.23]	31.0 [9.09]	30.4 [8.91]	29.9 [8.76]	29.3 [8.59]	28.8 [8.44]	
	Sens BTUH [kW]	20.6 [6.04]	19.6 [5.74]	18.7 [5.48]	25.7 [7.53]	24.6 [7.21]	23.4 [6.86]	27.7 [8.12]	26.4 [7.74]	25.2 [7.39]	
	Power	3.3	3.3	3.2	3.3	3.2	3.2	3.3	3.2	3.2	

## GROSS SYSTEMS PERFORMANCE DATA—B042

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
		CFM [L/s]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]
		DR ①	.19	.17	.16	.19	.17	.16	.19	.17	.16
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	54.0 [15.83]	53.0 [15.53]	52.1 [15.27]	50.6 [14.83]	49.7 [14.57]	48.8 [14.30]	48.9 [14.33]	48.0 [14.07]	47.2 [13.83]
		Sens BTUH [kW]	31.1 [9.11]	29.7 [8.70]	28.3 [8.29]	36.6 [10.73]	35.0 [10.26]	33.4 [9.79]	39.8 [11.66]	38.1 [11.17]	36.3 [10.64]
		Power	2.7	2.7	2.6	2.7	2.6	2.6	2.7	2.6	2.6
	80 [26.7]	Total BTUH [kW]	52.4 [15.36]	51.5 [15.09]	50.6 [14.83]	49.0 [14.36]	48.2 [14.13]	47.3 [13.86]	47.3 [13.86]	46.5 [13.63]	45.7 [13.39]
		Sens BTUH [kW]	30.4 [8.91]	29.0 [8.50]	27.7 [8.12]	35.9 [10.52]	34.3 [10.05]	32.7 [9.58]	39.1 [11.46]	37.4 [10.96]	35.6 [10.43]
		Power	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	85 [29.4]	Total BTUH [kW]	51.0 [14.95]	50.1 [14.68]	49.2 [14.42]	47.6 [13.95]	46.7 [13.69]	45.9 [13.45]	45.9 [13.45]	45.1 [13.22]	44.2 [12.95]
		Sens BTUH [kW]	29.7 [8.70]	28.3 [8.29]	27.0 [7.91]	35.2 [10.32]	33.6 [9.85]	32.1 [9.41]	38.4 [11.25]	36.7 [10.76]	35.0 [10.26]
		Power	3.0	3.0	2.9	3.0	2.9	2.9	3.0	2.9	2.9
	90 [32.2]	Total BTUH [kW]	49.6 [14.54]	48.7 [14.27]	47.8 [14.01]	46.2 [13.54]	45.4 [13.31]	44.5 [13.04]	44.5 [13.04]	43.7 [12.81]	42.9 [12.57]
Sens BTUH [kW]		29.0 [8.50]	27.7 [8.12]	26.4 [7.74]	34.5 [10.11]	33.0 [9.67]	31.4 [9.20]	37.7 [11.05]	36.0 [10.55]	34.3 [10.05]	
Power		3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	
95 [35]	Total BTUH [kW]	48.2 [14.13]	47.4 [13.89]	46.5 [13.63]	44.8 [13.13]	44.0 [12.90]	43.2 [12.66]	43.1 [12.63]	42.4 [12.43]	41.6 [12.19]	
	Sens BTUH [kW]	28.3 [8.29]	27.0 [7.91]	25.7 [7.53]	33.8 [9.91]	32.3 [9.47]	30.8 [9.03]	37.0 [10.84]	35.3 [10.35]	33.7 [9.88]	
	Power	3.3	3.3	3.2	3.3	3.2	3.2	3.3	3.2	3.2	
100 [37.8]	Total BTUH [kW]	46.9 [13.75]	46.0 [13.48]	45.2 [13.25]	43.5 [12.75]	42.7 [12.51]	41.9 [12.28]	41.8 [12.25]	41.0 [12.02]	40.3 [11.81]	
	Sens BTUH [kW]	27.5 [8.06]	26.3 [7.71]	25.1 [7.36]	33.1 [9.70]	31.6 [9.26]	30.1 [8.82]	36.3 [10.64]	34.7 [10.17]	33.0 [9.67]	
	Power	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	
105 [40.6]	Total BTUH [kW]	45.5 [13.33]	44.7 [13.10]	43.9 [12.87]	42.1 [12.34]	41.4 [12.13]	40.6 [11.90]	40.4 [11.84]	39.7 [11.63]	39.0 [11.43]	
	Sens BTUH [kW]	26.8 [7.85]	25.6 [7.50]	24.4 [7.15]	32.3 [9.47]	30.9 [9.06]	29.4 [8.62]	35.5 [10.40]	33.9 [9.94]	32.3 [9.47]	
	Power	3.6	3.6	3.5	3.6	3.5	3.5	3.6	3.5	3.5	
110 [43.3]	Total BTUH [kW]	44.1 [12.92]	43.3 [12.69]	42.5 [12.46]	40.7 [11.93]	40.0 [11.72]	39.3 [11.52]	39.0 [11.43]	38.3 [11.22]	37.6 [11.02]	
	Sens BTUH [kW]	26.0 [7.62]	24.8 [7.27]	23.7 [6.95]	31.5 [9.23]	30.1 [8.82]	28.7 [8.41]	34.7 [10.17]	33.2 [9.73]	31.6 [9.26]	
	Power	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	
115 [46.1]	Total BTUH [kW]	42.7 [12.51]	41.9 [12.28]	41.1 [12.05]	39.3 [11.52]	38.6 [11.31]	37.9 [11.11]	37.6 [11.02]	36.9 [10.81]	36.2 [10.61]	
	Sens BTUH [kW]	25.1 [7.36]	24.0 [7.03]	22.9 [6.71]	30.7 [9.00]	29.3 [8.59]	27.9 [8.18]	33.8 [9.91]	32.3 [9.47]	30.8 [9.03]	
	Power	3.9	3.9	3.8	3.9	3.8	3.8	3.9	3.8	3.8	

DR —Depression ratio  
dbE—Entering air dry bulb  
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions



# SYSTEMS PERFORMANCE—RRPL- SERIES

## GROSS SYSTEMS PERFORMANCE DATA—B048

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	
DR ①		.21	.20	.18	.21	.20	.18	.21	.20	.18	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	62.0 [18.17] 35.0 [10.26] 3.0	60.9 [17.85] 33.4 [9.79] 3.0	59.8 [17.53] 31.9 [9.35] 3.0	58.3 [17.09] 41.9 [12.28] 3.0	57.3 [16.79] 40.0 [11.72] 3.0	56.3 [16.50] 38.1 [11.17] 2.9	55.6 [16.29] 44.7 [13.10] 3.0	54.6 [16.00] 42.7 [12.51] 3.0	53.6 [15.71] 40.7 [11.93] 2.9
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	60.3 [17.67] 33.9 [9.94] 3.2	59.2 [17.35] 32.4 [9.50] 3.2	58.1 [17.03] 30.9 [9.06] 3.1	56.6 [16.59] 40.8 [11.96] 3.2	55.5 [16.27] 39.0 [11.43] 3.1	54.5 [15.97] 37.2 [10.90] 3.1	53.8 [15.77] 43.6 [12.78] 3.2	52.8 [15.47] 41.7 [12.22] 3.1	51.9 [15.21] 39.7 [11.63] 3.1
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	58.5 [17.14] 32.9 [9.64] 3.4	57.5 [16.85] 31.5 [9.23] 3.3	56.4 [16.53] 30.0 [8.79] 3.3	54.8 [16.06] 39.8 [11.66] 3.3	53.8 [15.77] 38.1 [11.17] 3.3	52.8 [15.47] 36.3 [10.64] 3.3	52.0 [15.24] 42.6 [12.48] 3.3	51.1 [14.98] 40.7 [11.93] 3.3	50.2 [14.71] 38.8 [11.37] 3.3
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	56.7 [16.62] 32.0 [9.38] 3.5	55.7 [16.32] 30.6 [8.97] 3.5	54.7 [16.03] 29.2 [8.56] 3.5	53.0 [15.53] 38.9 [11.40] 3.5	52.1 [15.27] 37.2 [10.90] 3.5	51.1 [14.98] 35.4 [10.37] 3.4	50.3 [14.74] 41.7 [12.22] 3.5	49.4 [14.48] 39.9 [11.69] 3.5	48.5 [14.21] 38.0 [11.14] 3.4
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	55.0 [16.12] 31.1 [9.11] 3.7	54.0 [15.83] 29.7 [8.70] 3.7	53.0 [15.53] 28.3 [8.29] 3.6	51.3 [15.03] 38.0 [11.14] 3.7	50.3 [14.74] 36.3 [10.64] 3.6	49.4 [14.48] 34.6 [10.14] 3.6	48.5 [14.21] 40.8 [11.96] 3.7	47.6 [13.95] 39.0 [11.43] 3.6	46.8 [13.72] 37.2 [10.90] 3.6
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	53.1 [15.56] 30.2 [8.85] 3.9	52.2 [15.30] 28.9 [8.47] 3.8	51.2 [15.01] 27.5 [8.06] 3.8	49.4 [14.48] 37.1 [10.87] 3.8	48.5 [14.21] 35.5 [10.40] 3.8	47.7 [13.98] 33.8 [9.91] 3.8	46.7 [13.69] 40.0 [11.72] 3.8	45.8 [13.42] 38.2 [11.20] 3.8	45.0 [13.19] 36.4 [10.67] 3.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	51.2 [15.01] 29.3 [8.59] 4.0	50.3 [14.74] 28.0 [8.21] 4.0	49.4 [14.48] 26.7 [7.83] 4.0	47.5 [13.92] 36.2 [10.61] 4.0	46.7 [13.69] 34.6 [10.14] 4.0	45.8 [13.42] 33.0 [9.67] 3.9	44.8 [13.13] 39.0 [11.43] 4.0	44.0 [12.90] 37.3 [10.93] 4.0	43.2 [12.66] 35.5 [10.40] 3.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	49.2 [14.42] 28.3 [8.29] 4.2	48.3 [14.16] 27.1 [7.94] 4.2	47.5 [13.92] 25.8 [7.56] 4.1	45.5 [13.33] 35.2 [10.32] 4.2	44.7 [13.10] 33.6 [9.85] 4.1	43.9 [12.87] 32.1 [9.41] 4.1	42.8 [12.54] 38.0 [11.14] 4.2	42.0 [12.31] 36.3 [10.64] 4.1	41.2 [12.07] 34.6 [10.14] 4.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	47.1 [13.80] 27.2 [7.97] 4.4	46.2 [13.54] 26.0 [7.62] 4.3	45.4 [13.31] 24.8 [7.27] 4.3	43.4 [12.72] 34.1 [9.99] 4.3	42.6 [12.48] 32.6 [9.55] 4.3	41.8 [12.25] 31.1 [9.11] 4.3	40.6 [11.90] 36.9 [10.81] 4.3	39.9 [11.69] 35.3 [10.35] 4.3	39.2 [11.49] 33.6 [9.85] 4.3

## GROSS SYSTEMS PERFORMANCE DATA—B060

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		2040 [963]	1850 [873]	1660 [783]	2040 [963]	1850 [873]	1660 [783]	2040 [963]	1850 [873]	1660 [783]	
DR ①		.21	.20	.18	.21	.20	.18	.21	.20	.18	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	73.6 [21.57] 42.2 [12.37] 4.0	72.3 [21.19] 40.3 [11.81] 3.9	71.0 [20.81] 38.4 [11.25] 3.9	68.5 [20.08] 49.1 [14.39] 4.9	67.3 [19.72] 46.9 [13.75] 3.8	66.1 [19.37] 44.7 [13.10] 3.8	65.9 [19.31] 53.3 [15.62] 3.8	64.7 [18.96] 50.9 [14.92] 3.8	63.5 [18.61] 48.5 [14.21] 3.7
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	71.3 [20.90] 40.7 [11.93] 4.2	70.0 [20.51] 38.9 [11.40] 4.1	68.7 [20.13] 37.1 [10.87] 4.1	66.2 [19.40] 47.7 [13.98] 4.1	65.0 [19.05] 45.5 [13.33] 4.0	63.9 [18.73] 43.4 [12.72] 4.0	63.6 [18.64] 51.8 [15.18] 4.0	62.4 [18.29] 49.5 [14.51] 4.0	61.3 [17.97] 47.2 [13.83] 3.9
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	69.3 [20.31] 39.5 [11.58] 4.4	68.1 [19.96] 37.8 [11.08] 4.4	66.8 [19.58] 36.0 [10.55] 4.3	64.2 [18.82] 46.5 [13.63] 4.3	63.1 [18.49] 44.4 [13.01] 4.3	61.9 [18.14] 42.3 [12.40] 4.2	61.6 [18.05] 50.6 [14.83] 4.2	60.5 [17.73] 48.3 [14.16] 4.2	59.4 [17.41] 46.1 [13.51] 4.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	67.5 [19.78] 38.5 [11.28] 4.6	66.3 [19.43] 36.8 [10.79] 4.6	65.1 [19.08] 35.1 [10.29] 4.5	62.5 [18.32] 45.5 [13.33] 4.5	61.3 [17.97] 43.5 [12.75] 4.5	60.2 [17.64] 41.4 [12.13] 4.4	59.8 [17.53] 49.6 [14.54] 4.4	58.7 [17.20] 47.4 [13.89] 4.4	57.6 [16.88] 45.2 [13.25] 4.4
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	65.8 [19.28] 37.7 [11.05] 4.8	64.7 [18.96] 36.0 [10.55] 4.8	63.5 [18.61] 34.3 [10.05] 4.7	60.8 [17.82] 44.6 [13.07] 4.7	59.7 [17.50] 42.6 [12.48] 4.7	58.6 [17.17] 40.7 [11.93] 4.6	58.1 [17.03] 48.8 [14.30] 4.6	57.1 [16.73] 46.6 [13.66] 4.6	56.0 [16.41] 44.4 [13.01] 4.6
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	64.2 [18.82] 36.9 [10.81] 5.0	63.0 [18.46] 35.3 [10.35] 5.0	61.9 [18.14] 33.6 [9.85] 4.9	59.1 [17.32] 43.9 [12.87] 4.9	58.0 [17.00] 41.9 [12.28] 4.9	57.0 [16.71] 39.9 [11.69] 4.8	56.4 [16.53] 48.0 [14.07] 4.9	55.4 [16.24] 45.8 [13.42] 4.8	54.4 [15.94] 43.7 [12.81] 4.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	62.4 [18.29] 36.1 [10.58] 5.2	61.3 [17.97] 34.5 [10.11] 5.2	60.1 [17.61] 32.9 [9.64] 5.2	57.3 [16.79] 43.1 [12.63] 5.1	56.3 [16.50] 41.2 [12.07] 5.1	55.3 [16.21] 39.2 [11.49] 5.1	54.6 [16.00] 47.2 [13.83] 5.1	53.7 [15.74] 45.1 [13.22] 5.0	52.7 [15.44] 43.0 [12.60] 5.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	60.4 [17.70] 35.3 [10.35] 5.5	59.3 [17.38] 33.7 [9.88] 5.4	58.2 [17.06] 32.2 [9.44] 5.4	55.3 [16.21] 42.3 [12.40] 5.4	54.3 [15.91] 40.4 [11.84] 5.3	53.4 [15.65] 38.5 [11.28] 5.3	52.7 [15.44] 46.4 [13.60] 5.3	51.7 [15.15] 44.3 [12.98] 5.2	50.8 [14.89] 42.2 [12.37] 5.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	58.1 [17.03] 34.4 [10.08] 5.7	57.1 [16.73] 32.8 [9.61] 5.6	56.0 [16.41] 31.3 [9.17] 5.6	53.0 [15.53] 41.3 [12.10] 5.6	52.1 [15.27] 39.5 [11.58] 5.5	51.1 [14.98] 37.6 [11.02] 5.5	50.4 [14.77] 45.4 [13.31] 5.5	49.5 [14.51] 43.4 [12.72] 5.4	48.6 [14.24] 41.4 [12.13] 5.4

DR —Depression ratio  
dbE—Entering air dry bulb  
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions



## GROSS SYSTEMS PERFORMANCE DATA—C024

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	
DR ①		.15	.16	.19	.15	.16	.19	.15	.16	.19	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	29.9 [8.76] 18.0 [5.28] 1.5	29.4 [8.62] 16.7 [4.89] 1.5	28.9 [8.47] 15.4 [4.51] 1.5	28.1 [8.24] 21.2 [6.21] 1.5	27.6 [8.09] 19.8 [5.80] 1.5	27.1 [7.94] 18.4 [5.39] 1.5	27.0 [7.91] 24.2 [7.09] 1.5	26.5 [7.77] 22.6 [6.62] 1.5	26.0 [7.62] 21.1 [6.18] 1.4
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	29.1 [8.53] 17.5 [5.13] 1.6	28.6 [8.38] 16.2 [4.75] 1.6	28.0 [8.21] 14.9 [4.37] 1.6	27.3 [8.00] 20.7 [6.07] 1.6	26.8 [7.85] 19.3 [5.66] 1.6	26.3 [7.71] 17.9 [5.25] 1.6	26.1 [7.65] 23.6 [6.92] 1.5	25.6 [7.50] 22.0 [6.45] 1.5	25.2 [7.39] 20.6 [6.04] 1.5
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	28.2 [8.26] 16.9 [4.95] 1.7	27.7 [8.12] 15.6 [4.57] 1.7	27.2 [7.97] 14.4 [4.22] 1.7	26.4 [7.74] 20.1 [5.89] 1.7	25.9 [7.59] 18.7 [5.48] 1.6	25.5 [7.47] 17.4 [5.10] 1.6	25.2 [7.39] 22.9 [6.71] 1.6	24.8 [7.27] 21.5 [6.30] 1.6	24.3 [7.12] 20.0 [5.86] 1.6
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	27.3 [8.00] 16.3 [4.78] 1.8	26.8 [7.85] 15.1 [4.43] 1.8	26.3 [7.71] 13.9 [4.07] 1.7	25.5 [7.47] 19.6 [5.74] 1.7	25.1 [7.36] 18.3 [5.36] 1.7	24.6 [7.21] 17.0 [4.98] 1.7	24.3 [7.12] 22.4 [6.56] 1.7	23.9 [7.00] 21.0 [6.15] 1.7	23.5 [6.89] 19.6 [5.74] 1.7
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	26.4 [7.74] 15.8 [4.63] 1.9	25.9 [7.59] 14.6 [4.28] 1.8	25.5 [7.47] 13.5 [3.96] 1.8	24.6 [7.21] 19.0 [5.57] 1.8	24.2 [7.09] 17.8 [5.22] 1.8	23.7 [6.95] 16.5 [4.84] 1.8	23.4 [6.86] 21.9 [6.42] 1.8	23.0 [6.74] 20.5 [6.01] 1.8	22.6 [6.62] 19.2 [5.63] 1.8
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	25.5 [7.47] 15.3 [4.48] 2.0	25.0 [7.33] 14.1 [4.13] 1.9	24.6 [7.21] 13.1 [3.84] 1.9	23.7 [6.95] 18.6 [5.45] 1.9	23.3 [6.83] 17.4 [5.10] 1.9	22.9 [6.71] 16.2 [4.75] 1.9	22.5 [6.59] 21.5 [6.30] 1.9	22.1 [6.48] 20.1 [5.89] 1.9	21.7 [6.36] 18.8 [5.51] 1.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	24.6 [7.21] 14.9 [4.37] 2.0	24.2 [7.09] 13.8 [4.04] 2.0	23.7 [6.95] 12.7 [3.72] 2.0	22.8 [6.68] 18.2 [5.33] 2.0	22.4 [6.56] 17.0 [4.98] 2.0	22.0 [6.45] 15.8 [4.63] 2.0	21.6 [6.33] 21.0 [6.15] 2.0	21.2 [6.21] 19.7 [5.77] 2.0	20.8 [6.10] 18.4 [5.39] 1.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	23.7 [6.95] 14.5 [4.25] 2.1	23.2 [6.80] 13.4 [3.93] 2.1	22.8 [6.68] 12.4 [3.63] 2.1	21.9 [6.42] 17.8 [5.22] 2.1	21.5 [6.30] 16.6 [4.86] 2.1	21.1 [6.18] 15.4 [4.51] 2.1	20.7 [6.07] 20.6 [6.04] 2.1	20.3 [5.95] 19.3 [5.66] 2.1	19.9 [5.83] 18.0 [5.28] 2.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	22.7 [6.65] 14.1 [4.13] 2.3	22.3 [6.54] 13.1 [3.84] 2.2	21.9 [6.42] 12.1 [3.55] 2.2	20.9 [6.13] 17.4 [5.10] 2.2	20.6 [6.04] 16.3 [4.78] 2.2	20.2 [5.92] 15.2 [4.45] 2.2	19.7 [5.77] 19.7 [5.77] 2.2	19.4 [5.69] 19.1 [5.60] 2.2	19.0 [5.57] 17.8 [5.22] 2.1

## GROSS SYSTEMS PERFORMANCE DATA—C036

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1320 [623]	1200 [566]	1080 [510]	1320 [623]	1200 [566]	1080 [510]	1320 [623]	1200 [566]	1080 [510]	
DR ①		.07	.09	.11	.07	.09	.11	.07	.09	.11	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	45.1 [13.22] 28.8 [8.44] 2.4	44.3 [12.98] 26.7 [7.83] 2.3	43.5 [12.75] 24.7 [7.24] 2.2	42.4 [12.43] 33.0 [9.67] 2.2	41.6 [12.19] 30.7 [9.00] 2.2	40.9 [11.99] 28.6 [8.38] 2.2	39.8 [11.66] 35.3 [10.35] 2.1	39.1 [11.46] 33.0 [9.67] 2.1	38.4 [11.25] 30.8 [9.03] 2.1
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	44.0 [12.90] 28.1 [8.24] 2.4	43.2 [12.66] 26.0 [7.62] 2.4	42.4 [12.43] 24.0 [7.03] 2.4	41.3 [12.10] 32.2 [9.44] 2.3	40.5 [11.87] 30.0 [8.79] 2.3	39.8 [11.66] 27.9 [8.18] 2.3	38.7 [11.34] 34.6 [10.14] 2.2	38.0 [11.14] 32.4 [9.50] 2.2	37.3 [10.93] 30.2 [8.85] 2.2
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	42.8 [12.54] 27.4 [8.03] 2.5	42.1 [12.34] 25.5 [7.47] 2.5	41.3 [12.10] 23.5 [6.89] 2.5	40.1 [11.75] 31.6 [9.26] 2.4	39.4 [11.55] 29.5 [8.65] 2.4	38.7 [11.34] 27.5 [8.06] 2.4	37.5 [10.99] 33.9 [9.94] 2.4	36.8 [10.79] 31.7 [9.29] 2.4	36.1 [10.58] 29.6 [8.67] 2.3
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	41.6 [12.19] 26.7 [7.83] 2.7	40.8 [11.96] 24.7 [7.24] 2.6	40.1 [11.75] 22.9 [6.71] 2.6	38.8 [11.37] 30.8 [9.03] 2.6	38.1 [11.17] 28.7 [8.41] 2.6	37.4 [10.96] 26.7 [7.83] 2.5	36.2 [10.61] 33.2 [9.73] 2.5	35.6 [10.43] 31.1 [9.11] 2.5	34.9 [10.23] 29.0 [8.50] 2.5
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	40.2 [11.78] 26.0 [7.62] 2.8	39.5 [11.58] 24.1 [7.06] 2.8	38.8 [11.37] 22.3 [6.54] 2.8	37.5 [10.99] 30.1 [8.82] 2.7	36.8 [10.79] 28.1 [8.24] 2.7	36.1 [10.58] 26.1 [7.65] 2.7	34.9 [10.23] 32.4 [9.50] 2.7	34.2 [10.02] 30.3 [8.88] 2.6	33.6 [9.85] 28.3 [8.29] 2.6
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	38.8 [11.37] 25.2 [7.39] 3.0	38.1 [11.17] 23.4 [6.86] 2.9	37.4 [10.96] 21.6 [6.33] 2.9	36.1 [10.58] 29.4 [8.62] 2.9	35.4 [10.37] 27.4 [8.03] 2.9	34.8 [10.20] 25.5 [7.47] 2.8	33.5 [9.82] 31.7 [9.29] 2.8	32.9 [9.64] 29.7 [8.70] 2.8	32.3 [9.47] 27.7 [8.12] 2.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	37.3 [10.93] 24.5 [7.18] 3.1	36.6 [10.73] 22.7 [6.65] 3.1	36.0 [10.55] 21.1 [6.18] 3.1	34.6 [10.14] 28.7 [8.41] 3.0	34.0 [9.96] 26.8 [7.85] 3.0	33.3 [9.76] 24.9 [7.30] 3.0	32.0 [9.38] 31.0 [9.09] 3.0	31.4 [9.20] 29.0 [8.50] 2.9	30.8 [9.03] 27.1 [7.94] 2.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	35.8 [10.49] 23.8 [6.98] 3.3	35.1 [10.29] 22.0 [6.45] 3.3	34.5 [10.11] 20.4 [5.98] 3.2	33.0 [9.67] 27.8 [8.15] 3.2	32.4 [9.50] 26.0 [7.62] 3.2	31.8 [9.32] 24.2 [7.09] 3.2	30.4 [8.91] 30.1 [8.82] 3.1	29.9 [8.76] 28.3 [8.29] 3.1	29.3 [8.59] 26.4 [7.74] 3.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	34.1 [9.99] 22.9 [6.71] 3.5	33.5 [9.82] 21.3 [6.24] 3.4	32.9 [9.64] 19.7 [5.77] 3.4	31.4 [9.20] 27.1 [7.94] 3.4	30.8 [9.03] 25.3 [7.41] 3.4	30.3 [8.88] 23.6 [6.92] 3.3	28.8 [8.44] 28.8 [8.44] 3.3	28.3 [8.29] 27.6 [8.09] 3.3	27.8 [8.15] 25.8 [7.56] 3.3

DR —Depression ratio  
dbE—Entering air dry bulb  
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 - DR) x (dbE - 80)].

[ ] Designates Metric Conversions



# SYSTEMS PERFORMANCE—RRRL- SERIES

## GROSS SYSTEMS PERFORMANCE DATA—C048

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	
DR ①		.12	.14	.16	.12	.14	.16	.12	.14	.16	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	59.8 [17.53] 36.4 [10.67] 3.1	58.7 [17.20] 33.7 [9.88] 3.1	57.6 [16.88] 31.1 [9.11] 3.0	55.8 [16.35] 42.0 [12.31] 3.0	54.8 [16.06] 39.1 [11.46] 3.0	53.8 [15.77] 36.3 [10.64] 2.9	52.4 [15.36] 46.3 [13.57] 2.9	51.4 [15.06] 43.2 [12.66] 2.9	50.5 [14.80] 40.3 [11.81] 2.9
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	58.3 [17.09] 35.7 [10.46] 3.2	57.3 [16.79] 33.1 [9.70] 3.2	56.2 [16.47] 30.5 [8.94] 3.2	54.3 [15.91] 41.2 [12.07] 3.1	53.3 [15.62] 38.4 [11.25] 3.1	52.4 [15.36] 35.7 [10.46] 3.1	50.9 [14.92] 45.4 [13.31] 3.1	50.0 [14.65] 42.5 [12.46] 3.0	49.1 [14.39] 39.7 [11.63] 3.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	56.8 [16.65] 34.9 [10.23] 3.4	55.8 [16.35] 32.3 [9.47] 3.4	54.7 [16.03] 29.7 [8.70] 3.3	52.8 [15.47] 40.4 [11.84] 3.3	51.8 [15.18] 37.6 [11.02] 3.3	50.9 [14.92] 35.0 [10.26] 3.2	49.4 [14.48] 44.7 [13.10] 3.2	48.5 [14.21] 41.8 [12.25] 3.2	47.6 [13.95] 39.0 [11.43] 3.2
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	55.2 [16.18] 34.0 [9.96] 3.6	54.2 [15.88] 31.5 [9.23] 3.5	53.2 [15.59] 29.1 [8.53] 3.5	51.2 [15.01] 39.6 [11.61] 3.5	50.3 [14.74] 36.9 [10.81] 3.4	49.4 [14.48] 34.3 [10.05] 3.4	47.8 [14.01] 43.9 [12.87] 3.4	46.9 [13.75] 41.0 [12.02] 3.3	46.1 [13.51] 38.3 [11.22] 3.3
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	53.5 [15.68] 33.2 [9.73] 3.7	52.6 [15.42] 30.8 [9.03] 3.7	51.6 [15.12] 28.4 [8.32] 3.7	49.6 [14.54] 38.8 [11.37] 3.6	48.7 [14.27] 36.2 [10.61] 3.6	47.8 [14.01] 33.7 [9.88] 3.6	46.1 [13.51] 42.9 [12.57] 3.6	45.3 [13.28] 40.2 [11.78] 3.5	44.5 [13.04] 37.6 [11.02] 3.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	51.8 [15.18] 32.2 [9.44] 3.9	50.9 [14.92] 29.9 [8.76] 3.9	50.0 [14.65] 27.6 [8.09] 3.8	47.8 [14.01] 37.9 [11.11] 3.8	47.0 [13.77] 35.4 [10.37] 3.8	46.1 [13.51] 32.9 [9.64] 3.8	44.4 [13.01] 42.1 [12.34] 3.7	43.6 [12.78] 39.4 [11.55] 3.7	42.9 [12.57] 36.9 [10.81] 3.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	50.1 [14.68] 31.4 [9.20] 4.1	49.2 [14.42] 29.1 [8.53] 4.1	48.3 [14.16] 26.9 [7.88] 4.0	46.1 [13.51] 37.1 [10.87] 4.0	45.3 [13.28] 34.6 [10.14] 4.0	44.4 [13.01] 32.1 [9.41] 3.9	42.7 [12.51] 41.2 [12.07] 3.9	41.9 [12.28] 38.6 [11.31] 3.9	41.2 [12.07] 36.1 [10.58] 3.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	48.2 [14.13] 30.5 [8.94] 4.3	47.4 [13.89] 28.3 [8.29] 4.3	46.5 [13.63] 26.1 [7.65] 4.2	44.3 [12.98] 36.1 [10.58] 4.2	43.5 [12.75] 33.7 [9.88] 4.2	42.7 [12.51] 31.4 [9.20] 4.1	40.9 [11.99] 40.4 [11.84] 4.1	40.1 [11.75] 37.8 [11.08] 4.1	39.4 [11.55] 35.4 [10.37] 4.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	46.4 [13.60] 29.5 [8.65] 4.5	45.5 [13.33] 27.3 [8.00] 4.5	44.7 [13.10] 25.3 [7.41] 4.4	42.4 [12.43] 35.2 [10.32] 4.4	41.6 [12.19] 32.8 [9.61] 4.4	40.9 [11.99] 30.6 [8.97] 4.4	39.0 [11.43] 39.0 [11.43] 4.3	38.3 [11.22] 36.9 [10.81] 4.3	37.6 [11.02] 34.5 [10.11] 4.3

## GROSS SYSTEMS PERFORMANCE DATA—C060

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		2040 [963]	1850 [873]	1660 [783]	2040 [963]	1850 [873]	1660 [783]	2040 [963]	1850 [873]	1660 [783]	
DR ①		.07	.09	.12	.07	.09	.12	.07	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	73.1 [21.42] 44.3 [12.98] 4.1	71.8 [21.04] 41.0 [12.02] 4.0	70.5 [20.66] 37.8 [11.08] 4.0	68.9 [20.19] 51.6 [15.12] 4.0	67.6 [19.81] 47.9 [14.04] 3.9	66.4 [19.46] 44.5 [13.04] 3.9	65.1 [19.08] 56.8 [16.65] 3.8	63.9 [18.73] 53.0 [15.53] 3.8	62.7 [18.38] 49.3 [14.45] 3.8
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	71.5 [20.95] 43.7 [12.81] 4.3	70.2 [20.57] 40.4 [11.84] 4.2	68.9 [20.19] 37.2 [10.90] 4.2	67.3 [19.72] 50.9 [14.92] 4.1	66.1 [19.37] 47.4 [13.89] 4.1	64.8 [18.99] 43.9 [12.87] 4.1	63.5 [18.61] 56.2 [16.47] 4.0	62.3 [18.26] 52.4 [15.36] 4.0	61.1 [17.91] 48.7 [14.27] 3.9
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	69.8 [20.46] 43.0 [12.60] 4.4	68.5 [20.08] 39.7 [11.63] 4.4	67.2 [19.69] 36.6 [10.73] 4.4	65.5 [19.20] 50.1 [14.68] 4.3	64.3 [18.84] 46.6 [13.66] 4.3	63.1 [18.49] 43.2 [12.66] 4.2	61.7 [18.08] 55.3 [16.21] 4.2	60.6 [17.76] 51.7 [15.15] 4.2	59.4 [17.41] 48.1 [14.10] 4.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	67.9 [19.90] 42.0 [12.31] 4.6	66.6 [19.52] 38.8 [11.37] 4.6	65.4 [19.17] 35.8 [10.49] 4.6	63.6 [18.64] 49.1 [14.39] 4.5	62.5 [18.32] 45.8 [13.42] 4.5	61.3 [17.97] 42.5 [12.46] 4.4	59.8 [17.53] 54.4 [15.94] 4.4	58.7 [17.20] 50.8 [14.89] 4.4	57.6 [16.88] 47.3 [13.86] 4.3
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	65.8 [19.28] 40.9 [11.99] 4.9	64.6 [18.93] 37.8 [11.08] 4.8	63.4 [18.58] 34.8 [10.20] 4.8	61.6 [18.05] 48.1 [14.10] 4.7	60.4 [17.70] 44.7 [13.10] 4.7	59.3 [17.38] 41.5 [12.16] 4.6	57.7 [16.91] 53.2 [15.59] 4.6	56.7 [16.62] 49.8 [14.59] 4.6	55.6 [16.29] 46.4 [13.60] 4.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	63.6 [18.64] 39.6 [11.61] 5.1	62.4 [18.29] 36.6 [10.73] 5.0	61.3 [17.97] 33.8 [9.91] 5.0	59.4 [17.41] 46.8 [13.72] 5.0	58.3 [17.09] 43.6 [12.78] 4.9	57.2 [16.76] 40.5 [11.87] 4.9	55.5 [16.27] 52.0 [15.24] 4.8	54.5 [15.97] 48.6 [14.24] 4.8	53.5 [15.68] 45.3 [13.28] 4.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	61.2 [17.94] 38.0 [11.14] 5.3	60.1 [17.61] 35.2 [10.32] 5.3	59.0 [17.29] 32.5 [9.52] 5.2	57.0 [16.71] 45.3 [13.28] 5.2	55.9 [16.38] 42.1 [12.34] 5.1	54.9 [16.09] 39.1 [11.46] 5.1	53.1 [15.56] 50.5 [14.80] 5.1	52.2 [15.30] 47.3 [13.86] 5.0	51.2 [15.01] 44.1 [12.92] 5.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	58.7 [17.20] 36.5 [10.70] 5.6	57.6 [16.88] 33.7 [9.88] 5.5	56.5 [16.56] 31.0 [9.09] 5.5	54.4 [15.94] 43.6 [12.78] 5.4	53.4 [15.65] 40.6 [11.90] 5.4	52.4 [15.36] 37.7 [11.05] 5.3	50.6 [14.83] 48.8 [14.30] 5.3	49.7 [14.57] 45.7 [13.39] 5.3	48.7 [14.27] 42.6 [12.48] 5.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	56.0 [16.41] 34.7 [10.17] 5.8	55.0 [16.12] 32.1 [9.41] 5.8	53.9 [15.80] 29.5 [8.65] 5.7	51.8 [15.18] 41.8 [12.25] 5.7	50.8 [14.89] 38.9 [11.40] 5.6	49.9 [14.62] 36.2 [10.61] 5.6	47.9 [14.04] 47.1 [13.80] 5.6	47.0 [13.77] 44.0 [12.90] 5.5	46.2 [13.54] 41.1 [12.05] 5.5

DR —Depression ratio  
dbE—Entering air dry bulb  
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions



## INDOOR AIRFLOW PERFORMANCE—208 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] Side Discharge—Wet Coil							
	Cool	Heat				0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	
2.0 [7.03]	High	Low	40,000 [11.72]	9 x 7 Blower 1/4 HP [186] 2 Speed (PSC Motor)	Low	CFM [l/s]	675 [319]	657 [310]	634 [299]	602 [284]	560 [264]	505 [238]	435 [205]
			Watts			695	785	870	905	940	980	1020	
	High	High	60,000 [17.58]			CFM [l/s]	898 [424]	861 [406]	822 [388]	777 [367]	721 [340]	651 [307]	562 [265]
2.5 [8.79]	Low	Low	80,000 [23.45]	10 x 9 Blower 1/2 HP [372] 3 Speed (PSC Motor)	Low	CFM [l/s]	1076 [508]	1059 [500]	1032 [490]	996 [470]	950 [448]	896 [423]	832 [393]
			Watts			292	278	266	253	239	221	199	
	Med.	Low	All Inputs			CFM [l/s]	730	775	820	865	905	940	980
3.0 [10.55]	Med.	Low	40,000 [11.72]	10 x 9 Blower 1/2 HP [372] 3 Speed (PSC Motor)	Med.	CFM [l/s]	1222 [577]	1197 [565]	1179 [556]	1162 [548]	1137 [537]	1097 [518]	1033 [488]
			Watts			765	810	855	890	920	960	995	
	High	Low	60,000 [17.58]			CFM [l/s]	1514 [715]	1461 [670]	1415 [668]	1370 [647]	1322 [624]	1266 [597]	1197 [565]
3.5 [12.31]	High	Low	80,000 [23.45]	10 x 9 Blower 1/2 HP [372] 3 Speed (PSC Motor)	High	CFM [l/s]	895	930	965	985	1005	1025	1045
			Watts			538	514	493	473	454	434	412	
	High	Low	100,000 [29.31]			CFM [l/s]	1204 [568]	1202 [567]	1191 [562]	1171 [553]	1143 [539]	1107 [522]	1065 [503]
4.0 [14.07]	High	Low	All Inputs	10 x 9 Blower 3/4 HP [559] 3 Speed (PSC Motor)	Low	CFM [l/s]	734	810	886	923	959	968	1016
			Watts			476	468	450	427	403	380	363	
	High	Low	60,000 [17.58]			CFM [l/s]	1674 [790]	1620 [765]	1566 [739]	1511 [713]	1451 [685]	1384 [653]	1305 [616]
5.0 [17.59]	High	Med. (Tap 1)	80,000 [23.45]	12 x 9 Blower 1 HP [746] 3 Speed (X13 Motor)	Med. (Tap 2)	CFM [l/s]	997	1019	1040	1058	1076	1088	1100
			Watts			625	596	567	539	512	484	455	
	High	Med. (Tap 3)	100,000 [29.31]			CFM [l/s]	1843 [870]	1763 [832]	1693 [799]	1627 [768]	1560 [736]	1485 [701]	1398 [660]
5.0 [17.59]	High	Med. (Tap 1)	80,000 [23.45]	12 x 9 Blower 1 HP [746] 3 Speed (X13 Motor)	High	CFM [l/s]	1085	1094	1102	1110	1118	1126	1134
			Watts			699	663	632	604	576	548	517	
	High	Med. (Tap 3)	100,000 [29.31]			CFM [l/s]	1418 [669]	1386 [654]	1352 [638]	1307 [617]	1270 [599]	1221 [576]	1180 [557]
5.0 [17.59]	High	Med. (Tap 1)	80,000 [23.45]	12 x 9 Blower 1 HP [746] 3 Speed (X13 Motor)	High	CFM [l/s]	774	794	829	860	892	922	955
			Watts			267	273	287	295	308	316	328	
	High	Med. (Tap 3)	100,000 [29.31]			CFM [l/s]	1858 [877]	1821 [859]	1782 [841]	1752 [827]	1714 [809]	1678 [792]	1640 [774]
5.0 [17.59]	High	Med. (Tap 1)	80,000 [23.45]	12 x 9 Blower 1 HP [746] 3 Speed (X13 Motor)	High	CFM [l/s]	944	968	994	1019	1041	1072	1089
			Watts			541	555	564	578	586	598	611	
	High	Med. (Tap 3)	100,000 [29.31]			CFM [l/s]	2017 [952]	1985 [937]	1949 [920]	1909 [901]	1879 [887]	1843 [870]	1792 [846]
5.0 [17.59]	High	Med. (Tap 1)	80,000 [23.45]	12 x 9 Blower 1 HP [746] 3 Speed (X13 Motor)	High	CFM [l/s]	1018	1033	1070	1076	1112	1124	1147
			Watts			690	701	711	723	735	741	742	
	High	Med. (Tap 3)	100,000 [29.31]			CFM [l/s]	690	701	711	723	735	741	742

NOTES: 5 ton High cooling speed must be changed to low cool to achieve AHRI performance.

[ ] Designates Metric Conversions

**INDOOR AIRFLOW PERFORMANCE—208 VOLTS (continued)**

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)										
CFM [L/s]	600 [283]	800 [378]	1000 [472]	1200 [556]	1440 [661]	1600 [755]	1800 [850]	2000 [944]		
Pressure Drop—Includes W.C. [kPa]	.00	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]		

[ ] Designates Metric Conversions



## INDOOR AIRFLOW PERFORMANCE—230/460 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa]							
	Cool	Heat				0.1 [0.2]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	
2.0 [7.03]	High	Low	40,000 [11.72]	9 x 7 Blower 1/4 HP [186] 2 Speed (PSC Motor)	Low	CFM [l/s]	771 [364]	751 [354]	725 [342]	691 [326]	654 [304]	584 [276]	546 [258]
		Watts	825			870	910	950	985	1010	1030		
	High	High	60,000 [17.58] 80,000 [23.45]		CFM [l/s]	946 [446]	922 [435]	882 [416]	830 [392]	769 [363]	701 [331]	630 [298]	546 [258]
2.5 [8.79]	Low	Low	All Inputs	10 x 9 Blower 1/2 HP [372] 3 Speed (PSC Motor)	Low	CFM [l/s]	1206 [569]	1182 [558]	1157 [546]	1128 [532]	1091 [515]	1044 [493]	983 [464]
		Watts				760	815	870	910	950	975	1000	
	Med.	Med.			40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [l/s]	1411 [666]	1368 [646]	1327 [626]	1285 [606]	1238 [584]	1183 [558]	1116 [527]
3.0 [10.55]	Med.	Low	All Inputs	10 x 9 Blower 1/2 HP [372] 3 Speed (PSC Motor)	Med.	CFM [l/s]	865	900	935	970	1000	1020	1035
		Watts				498	481	464	447	430	411	391	
	High	High			60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [l/s]	1641 [774]	1577 [744]	1515 [715]	1455 [687]	1393 [657]	1329 [627]	1262 [596]
3.5 [12.31]	High	Low	All Inputs	10 x 9 Blower 1/2 HP [372] 3 Speed (PSC Motor)	High	CFM [l/s]	980	1000	1020	1035	1050	1065	1080
		Watts				589	565	543	523	503	481	456	
	High	High			60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [l/s]	1412 [668]	1395 [658]	1371 [647]	1339 [632]	1296 [612]	1242 [586]	1176 [555]
4.0 [14.07]	High	Low	All Inputs	10 x 9 Blower 3/4 HP [559] 3 Speed (PSC Motor)	Low	CFM [l/s]	859	905	951	981	1011	1034	1057
		Watts				557	530	506	483	461	437	409	
	High	High			60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [l/s]	1793 [846]	1731 [817]	1665 [786]	1594 [752]	1519 [717]	1440 [680]	1356 [640]
5.0 [17.59]	High	Low	All Inputs	12 x 9 Blower 1 HP [746] 3 Speed (X13 Motor)	Med.	CFM [l/s]	1053	1067	1080	1091	1101	1110	1119
		Watts				667	637	606	574	543	512	483	
	High	High			60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [l/s]	1869 [892]	1826 [862]	1753 [827]	1672 [789]	1586 [749]	1499 [707]	1413 [667]
5.0 [17.59]	High	Low	All Inputs	12 x 9 Blower 1 HP [746] 3 Speed (X13 Motor)	High	CFM [l/s]	1110	1117	1124	1129	1133	1139	1144
		Watts				736	715	683	646	608	574	551	
	High	High			60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [l/s]	1423 [672]	1390 [656]	1357 [640]	1311 [619]	1277 [603]	1233 [582]	1192 [563]
5.0 [17.59]	High	Low	All Inputs	12 x 9 Blower 1 HP [746] 3 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s]	776	796	830	861	895	927	958
		Watts				272	278	292	300	315	326	337	
	High	High			60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [l/s]	1872 [883]	1847 [872]	1808 [853]	1772 [836]	1743 [823]	1703 [804]	1670 [788]
5.0 [17.59]	High	Med. (Tap 1)	All Inputs	12 x 9 Blower 1 HP [746] 3 Speed (X13 Motor)	Low (Tap 2)	CFM [l/s]	956	973	1010	1023	1057	1085	1110
		Watts				562	572	584	598	613	622	636	
	High	High			60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [l/s]	2046 [966]	2010 [949]	1980 [934]	1942 [917]	1904 [899]	1867 [881]	1822 [860]
5.0 [17.59]	High	Med. (Tap 1)	All Inputs	12 x 9 Blower 1 HP [746] 3 Speed (X13 Motor)	High (Tap 3)	CFM [l/s]	1035	1046	1079	1086	1114	1141	1171
		Watts				721	731	743	754	770	777	770	

NOTES: 5 ton High cooling speed must be changed to low cool to achieve AHRI performance.

[ ] Designates Metric Conversions





## INDOOR AIRFLOW PERFORMANCE—208 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] Side Discharge—Dry Coil								
	Cool	Heat				0.1 [1.02]	0.2 [1.05]	0.3 [1.07]	0.4 [1.10]	0.5 [1.12]	0.6 [1.15]	0.7 [1.17]	0.8 [1.20]	
2.0 [7.03]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45]	9 x 7 Blower 1/3 HP [249 W] 3 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s]	821 [387]	799 [377]	775 [366]	742 [350]	706 [333]	681 [321]	641 [303]	611 [288]
						RPM	878	903	953	996	1032	1075	1119	1176
						Watts	131	134	142	145	147	154	156	161
2.5 [8.79]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	Low Cool (Tap 2)	CFM [l/s]	843 [398]	820 [387]	786 [371]	760 [359]	726 [343]	699 [330]	662 [312]	608 [287]
						RPM	896	924	961	1015	1045	1092	1125	1172
						Watts	141	144	147	155	157	163	165	164
3.0 [10.55]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	High Cool (Tap 3)	CFM [l/s]	896 [423]	884 [417]	847 [400]	825 [389]	789 [372]	752 [355]	720 [340]	642 [303]
						RPM	935	966	1008	1047	1084	1118	1154	1176
						Watts	165	171	175	182	184	186	189	174
3.5 [12.31]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s]	1153 [544]	1126 [531]	1087 [513]	1042 [492]	1002 [473]	966 [456]	903 [426]	856 [404]
						RPM	866	887	930	966	1010	1038	1082	1121
						Watts	207	210	220	226	234	241	246	251
3.5 [12.31]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	Low Cool (Tap 2)	CFM [l/s]	1030 [486]	1010 [477]	967 [456]	922 [435]	868 [410]	825 [389]	763 [360]	709 [335]
						RPM	794	829	868	912	956	1002	1040	1093
						Watts	155	164	169	178	183	192	195	203
3.5 [12.31]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	High Cool (Tap 3)	CFM [l/s]	1242 [586]	1213 [572]	1173 [554]	1132 [534]	1086 [513]	1044 [493]	1003 [473]	952 [449]
						RPM	912	934	972	1012	1055	1081	1109	1146
						Watts	249	252	262	271	275	282	283	288
3.5 [12.31]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s]	1153 [544]	1126 [531]	1087 [513]	1042 [492]	1002 [473]	966 [456]	903 [426]	856 [404]
						RPM	866	887	930	966	1010	1038	1082	1121
						Watts	207	210	220	226	234	241	246	251
3.5 [12.31]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	Low Cool (Tap 2)	CFM [l/s]	1242 [586]	1213 [572]	1173 [554]	1132 [534]	1086 [513]	1044 [493]	1003 [473]	952 [449]
						RPM	912	934	972	1012	1055	1081	1109	1146
						Watts	249	252	262	271	275	282	283	288
3.5 [12.31]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	High Cool (Tap 3)	CFM [l/s]	1338 [631]	1309 [618]	1278 [603]	1234 [582]	1182 [558]	1135 [536]	1087 [513]	1007 [475]
						RPM	963	983	1016	1049	1096	1121	1142	1159
						Watts	304	307	316	321	328	332	330	315
3.5 [12.31]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s]	1228 [580]	1187 [560]	1140 [538]	1105 [522]	1062 [501]	1008 [476]	959 [453]	911 [430]
						RPM	761	808	841	884	920	960	999	1038
						Watts	150	170	180	183	185	190	195	215
3.5 [12.31]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	Low Cool (Tap 2)	CFM [l/s]	1454 [686]	1433 [676]	1392 [657]	1354 [639]	1322 [624]	1283 [606]	1238 [584]	1192 [563]
						RPM	923	946	976	1015	1044	1085	1126	1146
						Watts	301	309	316	327	337	348	356	363
3.5 [12.31]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	High Cool (Tap 3)	CFM [l/s]	1544 [729]	1531 [723]	1473 [695]	1440 [680]	1398 [660]	1361 [642]	1317 [622]	1263 [596]
						RPM	958	973	1025	1046	1078	1109	1147	1163
						Watts	343	350	364	371	382	391	401	396

NOTES: (1) Do not operate 2 ton models below 700 CFM. (2) Do not operate 2 1/2 or 3 ton models below 875 CFM. (3) Cooling speed must be changed to low cool to achieve AHRI performance (all models).

[ ] Designates Metric Conversions



## INDOOR AIRFLOW PERFORMANCE—208 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] Side Discharge—Dry Coil								
	Cool	Heat				0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	
4.0 [14.07]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 3/4 HP [559 W] 3 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s]	1454 [686]	1433 [676]	1392 [657]	1354 [639]	1322 [624]	1283 [606]	1238 [584]	1192 [563]
						RPM	923	946	976	1015	1044	1085	1126	1146
						Watts	301	309	316	327	337	348	356	363
5.0 [17.59]	1st Stage Cool (Tap 2)	Med. (Tap 1)	100,000 [29.31]	12 x 9 1 HP [746 W] 4 Speed (X13 Motor)	Low Cool (Tap 2)	CFM [l/s]	1642 [775]	1621 [765]	1584 [748]	1542 [728]	1496 [706]	1451 [685]	1396 [659]	1299 [613]
						RPM	1006	1022	1064	1090	1114	1151	1160	1172
						Watts	405	412	422	435	442	449	440	414
5.0 [17.59]	2nd Stage High Cool (Tap 4)	Med. (Tap 1)	100,000 [29.31]	12 x 9 1 HP [746 W] 4 Speed (X13 Motor)	High Cool (Tap 3)	CFM [l/s]	1896 [895]	1863 [879]	1776 [838]	1694 [799]	1603 [757]	1528 [721]	1424 [672]	1316 [621]
						RPM	1146	1147	1159	1171	1173	1180	1188	1195
						Watts	624	614	583	554	522	497	467	432
5.0 [17.59]	2nd Stage High Cool (Tap 4)	Med. (Tap 1)	100,000 [29.31]	12 x 9 1 HP [746 W] 4 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s]	1418 [669]	1386 [654]	1352 [638]	1307 [617]	1270 [599]	1221 [576]	1180 [557]	1117 [527]
						RPM	774	794	829	860	892	922	955	1015
						Watts	267	273	287	295	308	316	328	343
5.0 [17.59]	2nd Stage High Cool (Tap 4)	Med. (Tap 1)	100,000 [29.31]	12 x 9 1 HP [746 W] 4 Speed (X13 Motor)	1st Stage Cool Dedicated (Tap 2)	CFM [l/s]	1310 [618]	1288 [608]	1238 [584]	1204 [568]	1149 [542]	1104 [521]	1035 [488]	971 [458]
						RPM	731	757	789	826	857	894	937	993
						Watts	218	229	237	250	258	270	280	294
5.0 [17.59]	2nd Stage High Cool (Tap 4)	Med. (Tap 1)	100,000 [29.31]	12 x 9 1 HP [746 W] 4 Speed (X13 Motor)	2nd Stage Low Cool (Tap 3)	CFM [l/s]	1858 [877]	1821 [859]	1782 [841]	1752 [827]	1714 [809]	1678 [792]	1640 [774]	1607 [758]
						RPM	944	968	994	1019	1041	1072	1089	1111
						Watts	541	555	564	578	586	598	611	617
5.0 [17.59]	2nd Stage High Cool (Tap 4)	Med. (Tap 1)	100,000 [29.31]	12 x 9 1 HP [746 W] 4 Speed (X13 Motor)	2nd Stage High Cool (Tap 4)	CFM [l/s]	2017 [952]	1985 [937]	1949 [920]	1909 [901]	1879 [887]	1843 [870]	1792 [846]	1737 [820]
						RPM	1018	1033	1070	1076	1112	1124	1147	1152
						Watts	690	701	711	723	735	741	742	728

NOTES: (1) Do not operate 2 ton models below 700 CFM. (2) Do not operate 2 1/2 or 3 ton models below 875 CFM. (3) Cooling speed must be changed to low cool to achieve AHRI performance (all models).

### [ ] Designates Metric Conversions

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)								
CFM [L/s]	600 [283]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	0	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]



## INDOOR AIRFLOW PERFORMANCE—230/460 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] Side Discharge—Dry Coil								
	Cool	Heat				0.1 [1.02]	0.2 [1.05]	0.3 [1.07]	0.4 [1.10]	0.5 [1.12]	0.6 [1.15]	0.7 [1.17]	0.8 [1.20]	
2.0 [7.03]			All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45]	9 x 7 Blower 1/3 HP [249 W] 3 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s] RPM Watts	829 [391] 890 137	808 [381] 915 139	789 [372] 961 148	756 [357] 1000 151	737 [348] 1046 160	697 [329] 1089 163	668 [315] 1121 166	615 [290] 1173 167
	High Cool (Tap 3)	CFM [l/s] RPM Watts			853 [403] 901 146	832 [393] 928 149	804 [379] 984 159	779 [368] 1013 161	745 [352] 1054 165	724 [342] 1099 173	688 [325] 1137 176	630 [297] 1185 173		
	High Cool (Tap 3)	CFM [l/s] RPM Watts			912 [430] 940 171	896 [423] 977 179	863 [407] 1017 183	839 [396] 1062 192	815 [385] 1088 194	787 [371] 1139 203	736 [347] 1165 199	656 [310] 1181 182		
2.5 [8.79]			All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s] RPM Watts	1169 [552] 868 213	1140 [538] 893 217	1111 [524] 932 228	1068 [504] 978 239	1030 [486] 1010 244	995 [470] 1048 254	949 [448] 1086 258	895 [422] 1129 268
	High Cool (Tap 3)	CFM [l/s] RPM Watts			1039 [490] 798 159	1021 [482] 833 168	971 [458] 878 175	932 [440] 922 185	887 [419] 955 189	839 [396] 1011 200	797 [376] 1061 210	735 [347] 1093 213		
	High Cool (Tap 3)	CFM [l/s] RPM Watts			1256 [593] 921 259	1231 [581] 942 263	1201 [567] 976 272	1161 [548] 1018 284	1115 [526] 1053 290	1076 [508] 1093 299	1043 [492] 1131 309	999 [471] 1149 307		
3.0 [10.55]			All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s] RPM Watts	1169 [552] 868 213	1140 [538] 893 217	1111 [524] 932 228	1068 [504] 978 239	1030 [486] 1010 244	995 [470] 1048 254	949 [448] 1086 258	895 [422] 1129 268
	High Cool (Tap 3)	CFM [l/s] RPM Watts			1256 [593] 921 259	1231 [581] 942 263	1201 [567] 976 272	1161 [548] 1018 284	1115 [526] 1053 290	1076 [508] 1093 299	1043 [492] 1131 309	999 [471] 1149 307		
	High Cool (Tap 3)	CFM [l/s] RPM Watts			1357 [640] 974 318	1330 [628] 1003 323	1292 [610] 1036 333	1262 [596] 1071 343	1225 [578] 1103 347	1178 [556] 1134 356	1110 [524] 1153 364	1033 [488] 1169 378		
3.5 [12.31]			All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 1/2 HP [372 W] 3 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s] RPM Watts	1241 [586] 771 155	1203 [568] 815 162	1155 [545] 848 170	1119 [528] 886 182	1082 [511] 932 193	1032 [487] 965 200	994 [469] 1004 210	950 [448] 1044 220
	High Cool (Tap 3)	CFM [l/s] RPM Watts			1459 [689] 931 308	1438 [679] 958 319	1409 [665] 993 331	1371 [647] 1031 339	1337 [631] 1058 349	1296 [612] 1097 362	1258 [594] 1133 373	1223 [577] 1158 381		
	High Cool (Tap 3)	CFM [l/s] RPM Watts			1562 [737] 960 353	1538 [726] 991 364	1500 [708] 1017 375	1456 [687] 1055 388	1434 [677] 1089 398	1383 [653] 1121 408	1339 [632] 1154 418	1270 [599] 1169 405		

NOTES: (1) Do not operate 2 ton models below 700 CFM. (2) Do not operate 2 1/2 or 3 ton models below 875 CFM. (3) Cooling speed must be changed to low cool to achieve AHRI performance (all models).

[ ] Designates Metric Conversions



## INDOOR AIRFLOW PERFORMANCE—230/460 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] Side Discharge—Dry Coil								
	Cool	Heat				0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	
4.0 [14.07]	High Cool (Tap 3)	Heat (Tap 1)	All Inputs 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 3/4 HP [559 W] 3 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s]	1459 [689]	1438 [679]	1409 [665]	1371 [647]	1337 [631]	1296 [612]	1258 [594]	1223 [577]
						RPM	931	958	993	1031	1058	1097	1133	1158
						Watts	308	319	331	339	349	362	373	381
	Low Cool (Tap 2)	Heat (Tap 1)	All Inputs 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 Blower 3/4 HP [559 W] 3 Speed (X13 Motor)	Low Cool (Tap 2)	CFM [l/s]	1662 [784]	1648 [778]	1607 [758]	1579 [745]	1538 [726]	1477 [697]	1392 [657]	1305 [616]
						RPM	1016	1037	1072	1098	1129	1156	1169	1179
						Watts	421	429	443	453	465	485	446	420
5.0 [17.59]	1st Stage Cool (Tap 2)	Med. (Tap 1)	100,000 [29.31]	12 x 9 Blower 1 HP [746 W] 4 Speed (X13 Motor)	High Cool (Tap 3)	CFM [l/s]	1910 [901]	1873 [884]	1798 [849]	1715 [809]	1621 [765]	1536 [725]	1422 [671]	1323 [624]
						RPM	1149	1160	1163	1169	1175	1187	1184	1205
						Watts	638	625	601	571	536	506	469	440
	2nd Stage High Cool (Tap 4)	Med. (Tap 1)	100,000 [29.31]	12 x 9 Blower 1 HP [746 W] 4 Speed (X13 Motor)	Heat Dedicated (Tap 1)	CFM [l/s]	1423 [672]	1390 [656]	1357 [640]	1311 [619]	1277 [603]	1233 [582]	1192 [563]	1137 [537]
						RPM	776	796	830	861	895	927	958	999
						Watts	272	278	292	300	315	326	337	352
5.0 [17.59]	1st Stage High Cool (Tap 2)	Med. (Tap 1)	100,000 [29.31]	12 x 9 Blower 1 HP [746 W] 4 Speed (X13 Motor)	1st Stage Cool Dedicated (Tap 2)	CFM [l/s]	1319 [622]	1289 [608]	1242 [586]	1201 [567]	1148 [542]	1111 [524]	1047 [494]	985 [465]
						RPM	728	760	790	832	859	894	939	992
						Watts	222	234	241	256	263	276	287	304
	2nd Stage High Cool (Tap 4)	Med. (Tap 1)	100,000 [29.31]	12 x 9 Blower 1 HP [746 W] 4 Speed (X13 Motor)	2nd Stage Low Cool (Tap 3)	CFM [l/s]	1872 [883]	1847 [872]	1808 [853]	1772 [836]	1743 [823]	1703 [804]	1670 [788]	1639 [774]
						RPM	956	973	1010	1023	1057	1085	1110	1146
						Watts	562	572	584	598	613	622	636	646
2nd Stage High Cool (Tap 4)	Med. (Tap 1)	100,000 [29.31]	12 x 9 Blower 1 HP [746 W] 4 Speed (X13 Motor)	2nd Stage High Cool (Tap 4)	CFM [l/s]	2046 [966]	2010 [949]	1980 [934]	1942 [917]	1904 [899]	1867 [881]	1822 [860]	1758 [830]	
					RPM	1035	1046	1079	1086	1114	1141	1171	1163	
					Watts	721	731	743	754	770	777	770	751	

NOTES: (1) Do not operate 2 ton models below 700 CFM. (2) Do not operate 2 1/2 or 3 ton models below 875 CFM. (3) Cooling speed must be changed to low cool to achieve AHRI performance (all models).

[ J ] Designates Metric Conversions

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)			
CFM [L/s]	600 [283]	800 [378]	1000 [472]
Pressure Drop—Includes W.C. [kPa]	0	.02 [.005]	.05 [.012]
		.1 [.025]	.12 [.030]
		.15 [.037]	.17 [.042]





## INDOOR AIRFLOW PERFORMANCE—208 & 230 VOLTS (continued)

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)								
CFM [L/s]	600 [283]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	0	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]

[ ] Designates Metric Conversions



ELECTRICAL DATA – RRNL- SERIES														
		-B024JK04	-B024JK06	-B024JK08	-B030JK04	-B030JK06	-B030JK08	-B030JK10	-B036CK04	-B036CK06	-B036CK08	-B036CK10	-B036DK06	
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	414-506	
	Minimum Circuit Ampacity	19/19	19/19	19/19	22/22	22/22	22/22	22/22	17/17	17/17	17/17	17/17	9	
	Minimum Overcurrent Protection Device Size	20/20	20/20	20/20	25/25	25/25	25/25	25/25	20/20	20/20	20/20	20/20	15	
	Maximum Overcurrent Protection Device Size	30/30	30/30	30/30	35/35	35/35	35/35	35/35	25/25	25/25	25/25	25/25	20	
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	460	
	Phase	1	1	1	1	1	1	1	3	3	3	3	3	
	HP	2 1/6	2 1/6	2 1/6	2 2/3	2 2/3	2 2/3	2 2/3	3 1/3	3 1/3	3 1/3	3 1/3	3 1/3	
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	
	Amps (RLA)	12.8/12.8	12.8/12.8	12.8/12.8	14.1/14.1	14.1/14.1	14.1/14.1	14.1/14.1	10.4/10.4	10.4/10.4	10.4/10.4	10.4/10.4	10.4/10.4	5.8
	Amps (LRA)	58.3/58.3	58.3/58.3	58.3/58.3	73/73	73/73	73/73	73/73	88/88	88/88	88/88	88/88	88/88	38
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	460	
	Phase	1	1	1	1	1	1	1	1	1	1	1	1	
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	
	Amps (FLA)	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.6	
	Amps (LRA)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.1	
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	460	
	Phase	1	1	1	1	1	1	1	1	1	1	1	1	
	HP	1/4	1/4	1/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
	Amps (FLA)	1.3	1.3	1.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	
Amps (LRA)	2.3	2.3	2.3	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	2.2		

1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.



ELECTRICAL DATA – RRNL- SERIES														
		-B036DK08	-B036DK10	-B036JK04	-B036JK06	-B036JK08	-B036JK10	-B042CK04	-B042CK06	-B042CK08	-B042CK10	-B042JK04	-B042JK06	
Unit Information	Unit Operating Voltage Range	414-506	414-506	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	
	Minimum Circuit Ampacity	9	9	25/25	25/25	25/25	25/25	22/22	22/22	22/22	22/22	27/27	27/27	
	Minimum Overcurrent Protection Device Size	15	15	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	30/30	30/30	
	Maximum Overcurrent Protection Device Size	20	20	40/40	40/40	40/40	40/40	30/30	30/30	30/30	30/30	40/40	40/40	
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	460	460	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	
	Phase	3	3	1	1	1	1	3	3	3	3	1	1	
	HP	3 1/3	3 1/3	3 1/3	3 1/3	3 1/3	3 1/3	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	
	Amps (RLA)	5.8	5.8	16.7/16.7	16.7/16.7	16.7/16.7	16.7/16.7	13.5/13.5	13.5/13.5	13.5/13.5	13.5/13.5	13.5/13.5	17.9/17.9	17.9/17.9
	Amps (LRA)	38	38	79/79	79/79	79/79	79/79	88/88	88/88	88/88	88/88	88/88	112/112	112/112
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	460	460	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	
	Phase	1	1	1	1	1	1	1	1	1	1	1	1	
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	
	Amps (FLA)	0.6	0.6	1.3	1.3	1.3	1.3	2	2	2	2	2	2	
	Amps (LRA)	1.1	1.1	2.3	2.3	2.3	2.3	3.9	3.9	3.9	3.9	3.9	3.9	
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	460	460	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	
	Phase	1	1	1	1	1	1	1	1	1	1	1	1	
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
	Amps (FLA)	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
	Amps (LRA)	2.2	2.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	

1. Horsepower Per Compressor.

2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.





ELECTRICAL DATA – RRNL- SERIES													
		-B042JK08	-B042JK10	-B048CK06	-B048CK08	-B048CK10	-B048DK10	-B048JK06	-B048JK08	-B048JK10	-C060CK10	-C060DK10	-C060JK10
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	414-506	187-253	187-253	187-253	197-253	414-506	197-253
	Minimum Circuit Ampacity	27/27	27/27	24/24	24/24	24/24	12	34/34	34/34	34/34	32/32	15	43/43
	Minimum Overcurrent Protection Device Size	30/30	30/30	25/25	25/25	25/25	15	35/35	35/35	35/35	35/35	20	45/45
	Maximum Overcurrent Protection Device Size	40/40	40/40	35/35	35/35	35/35	20	50/50	50/50	50/50	45/45	20	60/60
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	460	208/230	208/230	208/230	208/230	460	208/230
	Phase	1	1	3	3	3	3	1	1	1	3	3	1
	HP	3 1/2	3 1/2	4	4	4	4	4	4	4	5	5	5
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3500	3450
	Amps (RLA)	17.9/17.9	17.9/17.9	13.7/13.7	13.7/13.7	13.7/13.7	6.2	21.8/21.8	21.8/21.8	21.8/21.8	17.9/17.9	7.8	26.4/26.4
	Amps (LRA)	112/112	112/112	83.1/83.1	83.1/83.1	83.1/83.1	41	117/117	117/117	117/117	110/110	52	134/134
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	460	208/230	208/230	208/230	208/230	460	208/230
	Phase	1	1	1	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	2	2	2	2	2	1	2	2	2	2	1	2
	Amps (LRA)	3.9	3.9	3.9	3.9	3.9	2.2	3.9	3.9	3.9	3.9	2.2	3.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	460	208/230	208/230	208/230	208/230	460/460	208/230
	Phase	1	1	1	1	1	1	1	1	1	1	1	1
	HP	1/2	1/2	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1	1
	Amps (FLA)	2.4	2.4	4.4	4.4	4.4	2.3	4.4	4.4	4.4	4.4	7.6	4
	Amps (LRA)	5.1	5.1	9.5	9.5	9.5	5	9.5	9.5	9.5	9.5	0	0

1. Horsepower Per Compressor.

2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.



ELECTRICAL DATA – RRPL- SERIES															
		-B024JK04	-B024JK06	-B024JK08	-B030JK04	-B030JK06	-B030JK08	-B030JK10	-B036CK04	-B036CK06	-B036CK08	-B036CK10	-B036DK06	-B036DK08	
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	414-506	414-506	
	Minimum Circuit Ampacity	21/21	21/21	21/21	24/24	24/24	24/24	24/24	19/19	19/19	19/19	19/19	10	10	
	Minimum Overcurrent Protection Device Size	25/25	25/25	25/25	25/25	25/25	25/25	25/25	20/20	20/20	20/20	20/20	15	15	
	Maximum Overcurrent Protection Device Size	30/30	30/30	30/30	35/35	35/35	35/35	35/35	25/25	25/25	25/25	25/25	15	15	
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	460	460	
	Phase	1	1	1	1	1	1	1	3	3	3	3	3	3	
	HP	2 1/6	2 1/6	2 1/6	2 2/3	2 2/3	2 2/3	2 2/3	3 1/3	3 1/3	3 1/3	3 1/3	3 1/3	3 1/3	
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	
	Amps (RLA)	12.8/12.8	12.8/12.8	12.8/12.8	14.1/14.1	14.1/14.1	14.1/14.1	14.1/14.1	10.4/10.4	10.4/10.4	10.4/10.4	10.4/10.4	10.4/10.4	5.8	5.8
	Amps (LRA)	58.3/58.3	58.3/58.3	58.3/58.3	73/73	73/73	73/73	73/73	88/88	88/88	88/88	88/88	88/88	38	38
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	460	460	
	Phase	1	1	1	1	1	1	1	1	1	1	1	1	1	
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	
	Amps (FLA)	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.6	0.6
	Amps (LRA)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.6	1.6
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	460/460	460/460	
	Phase	1	1	1	1	1	1	1	1	1	1	1	1	1	
	HP	1/3	1/3	1/3	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
	Amps (FLA)	2.8	2.8	2.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.1	2.1
	Amps (LRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	

1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.



ELECTRICAL DATA – RRPL- SERIES															
	-B036DK10	-B036JK04	-B036JK06	-B036JK08	-B036JK10	-B042CK04	-B042CK06	-B042CK08	-B042CK10	-B042JK04	-B042JK06	-B042JK08	-B042JK10	-B048CK06	
Unit Information	Unit Operating Voltage Range	414-506	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	10	27/27	27/27	27/27	27/27	24/24	24/24	24/24	24/24	29/29	29/29	29/29	29/29	26/26
	Minimum Overcurrent Protection Device Size	15	30/30	30/30	30/30	30/30	25/25	25/25	25/25	25/25	30/30	30/30	30/30	30/30	30/30
	Maximum Overcurrent Protection Device Size	15	40/40	40/40	40/40	40/40	35/35	35/35	35/35	35/35	45/45	45/45	45/45	45/45	35/35
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	460	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	
	Phase	3	1	1	1	1	3	3	3	3	1	1	1	1	
	HP	3 1/3	3 1/3	3 1/3	3 1/3	3 1/3	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	4
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	5.8	16.7/16.7	16.7/16.7	16.7/16.7	16.7/16.7	13.5/13.5	13.5/13.5	13.5/13.5	13.5/13.5	17.9/17.9	17.9/17.9	17.9/17.9	17.9/17.9	13.7/13.7
	Amps (LRA)	38	79/79	79/79	79/79	79/79	88/88	88/88	88/88	88/88	112/112	112/112	112/112	112/112	83.1/83.1
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	460	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	
	Phase	1	1	1	1	1	1	1	1	1	1	1	1	1	
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	0.6	1.3	1.3	1.3	1.3	2	2	2	2	2	2	2	2	2
	Amps (LRA)	1.6	2.3	2.3	2.3	2.3	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Volts	460/460	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	
	Phase	1	1	1	1	1	1	1	1	1	1	1	1	1	
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3/4
	Amps (FLA)	2.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6
	Amps (LRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.



ELECTRICAL DATA – RRPL- SERIES										
		-B048CK08	-B048CK10	-B048DK10	-B048JK06	-B048JK08	-B048JK10	-B060CK10	-B060DK10	-B060JK10
<b>Unit Information</b>	Unit Operating Voltage Range	187-253	187-253	414-506	187-253	187-253	187-253	197-253	414-506	197-253
	Minimum Circuit Ampacity	26/26	26/26	12	36/36	36/36	36/36	32/32	17	42/42
	Minimum Overcurrent Protection Device Size	30/30	30/30	15	40/40	40/40	40/40	35/35	20	45/45
	Maximum Overcurrent Protection Device Size	35/35	35/35	15	50/50	50/50	50/50	45/45	25	60/60
<b>Compressor Motor</b>	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	460	208/230	208/230	208/230	208/230	460	208/230
	Phase	3	3	3	1	1	1	3	3	1
	HP	4	4	4	4	4	4	5	5	5
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	13.7/13.7	13.7/13.7	6.2	21.8/21.8	21.8/21.8	21.8/21.8	17.6/17.6	9	25.6/25.6
	Amps (LRA)	83.1/83.1	83.1/83.1	41	117/117	117/117	117/117	123/123	62	118/118
<b>Condenser Motor</b>	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	460	208/230	208/230	208/230	208/230	460	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	2	2	1	2	2	2	2	1	2
	Amps (LRA)	3.9	3.9	2.2	3.9	3.9	3.9	3.9	2.2	3.9
<b>Evaporator Fan</b>	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	460/460	208/230	208/230	208/230	208/230	460/460	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	3/4	3/4	3/4	3/4	3/4	3/4	1	1	1
	Amps (FLA)	6	6	3.2	6	6	6	7.6	4	7.6
	Amps (LRA)	0	0	0	0	0	0	0	0	0

1. Horsepower Per Compressor.

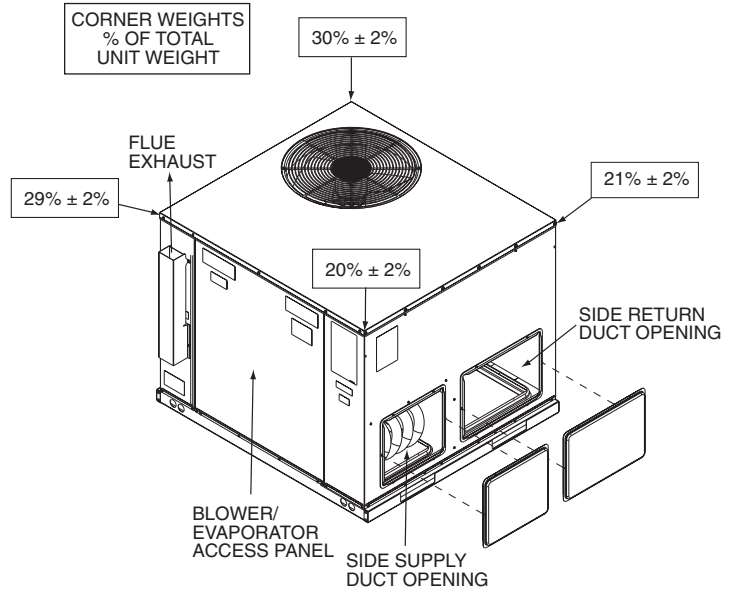
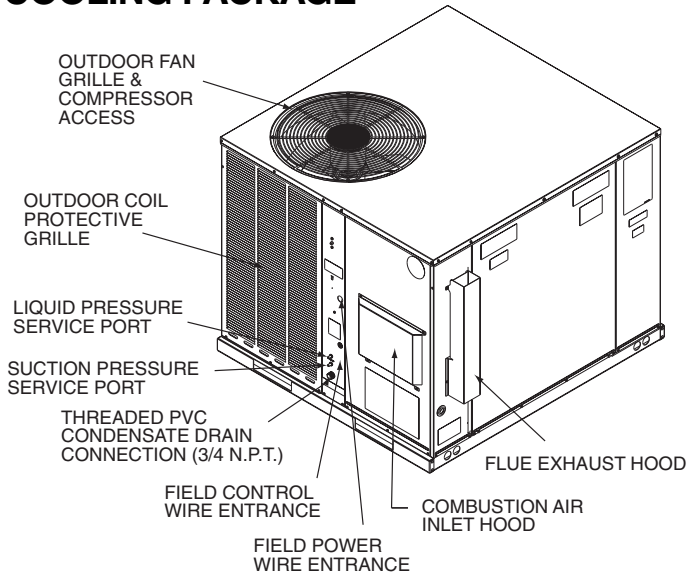
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.



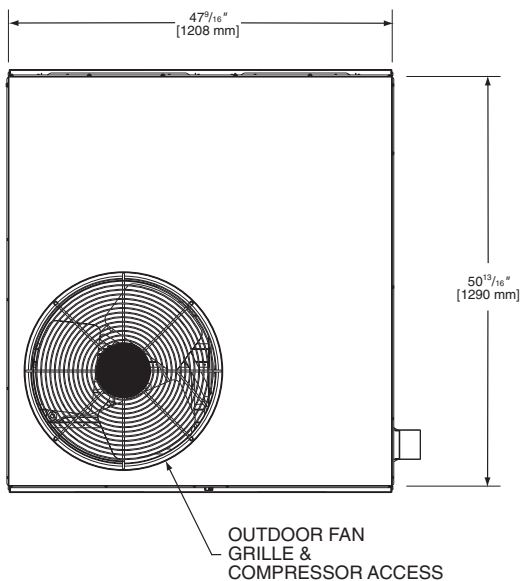
ELECTRICAL DATA – RRRL- SERIES								
		C024JK	C036CK	C036JK	C048CK	C048JK	C060CK	C060JK
Unit Information	Unit Operating Voltage Range	197-253	197-253	197-253	197-253	197-253	197-253	197-253
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Minimum Circuit Ampacity	15/15	17/17	24/24	22/22	31/31	28/28	38/38
	Minimum Overcurrent Protection Device Size	20/20	20/20	30/30	25/25	40/40	35/35	45/45
	Maximum Overcurrent Protection Device Size	20/20	25/25	40/40	30/30	50/50	45/45	60/60
Compressor Motor	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	3	1	3	1
	RPM	3450	3450	3450	3450	3450	3450	3450
	HP, Compressor 1	2 5/6	4	4	5 1/4	5 1/4	7	6 2/3
	Amps (RLA), Comp. 1	10.3/10.3	11.2/11.2	16.7/16.7	13.5/13.5	21.2/21.2	17.6/17.6	25.6/25.6
	Amps (LRA), Comp. 1	52/52	58/58	82/82	88/88	96/96	123/123	118/118
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1
	HP	1/6	1/6	1/6	1/3	1/3	1/3	1/3
	Amps (FLA, each)	0.6/0.6	0.6/0.6	0.6/0.6	1.5/1.5	1.5/1.5	2/2	2/2
	Amps (LRA, each)	1.5/1.5	1.5/1.5	1.5/1.5	3/3	3/3	3.9/3.9	3.9/3.9
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1
	HP	1/3	1/2	1/2	3/4	3/4	1	1
	Amps (FLA, each)	1/1	2/2	2/2	3/3	3/3	4/4	4/4
	Amps (LRA, each)	0/0	0/0	0/0	0/0	0/0	0/0	0/0

1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

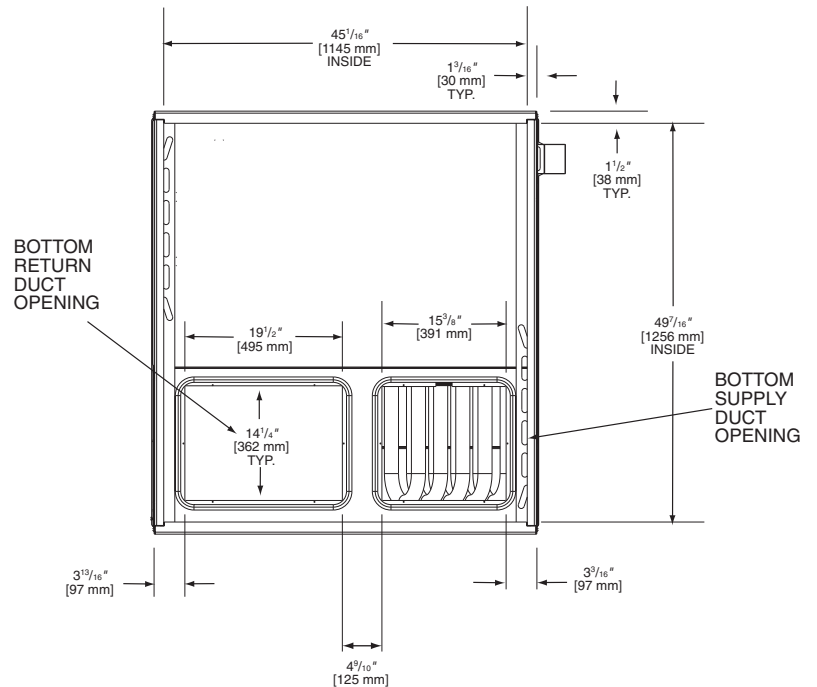
## UNIT DIMENSIONS GAS HEAT/ELECTRIC COOLING PACKAGE



### TOP VIEW



### BOTTOM VIEW

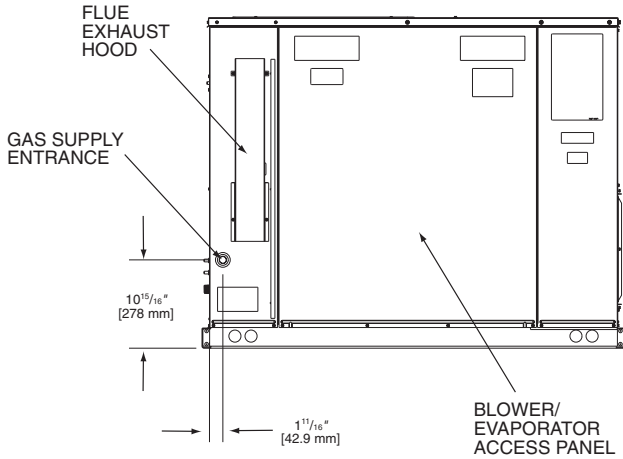


[ ] Designates Metric Conversions

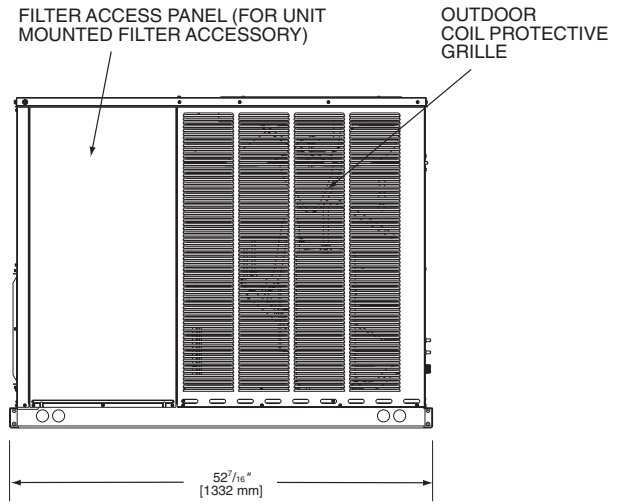


# UNIT DIMENSIONS—RRNL-/RRPL-/RRRL- SERIES

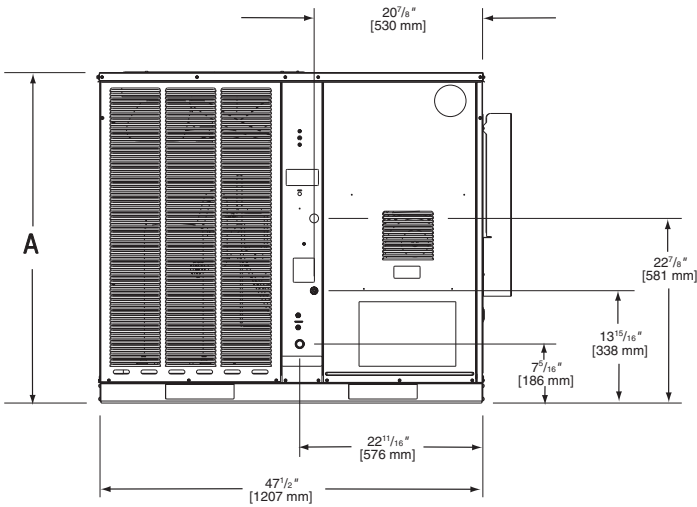
**SIDE VIEW**



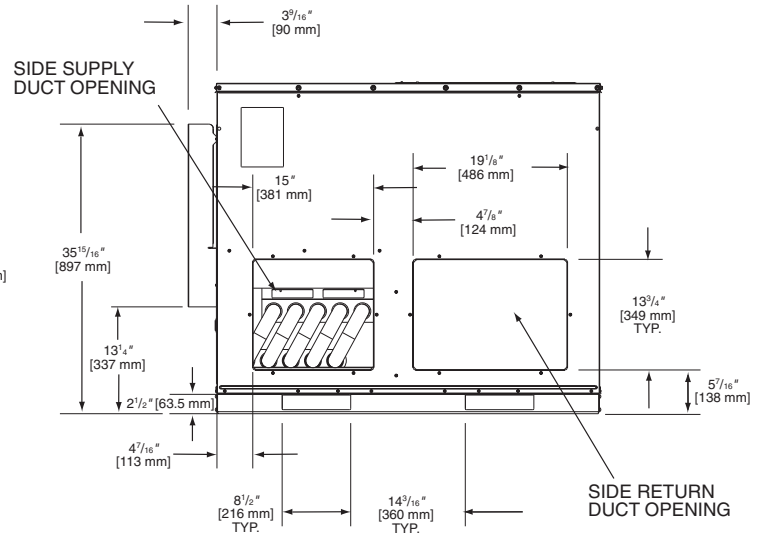
**SIDE VIEW**



**FRONT VIEW**



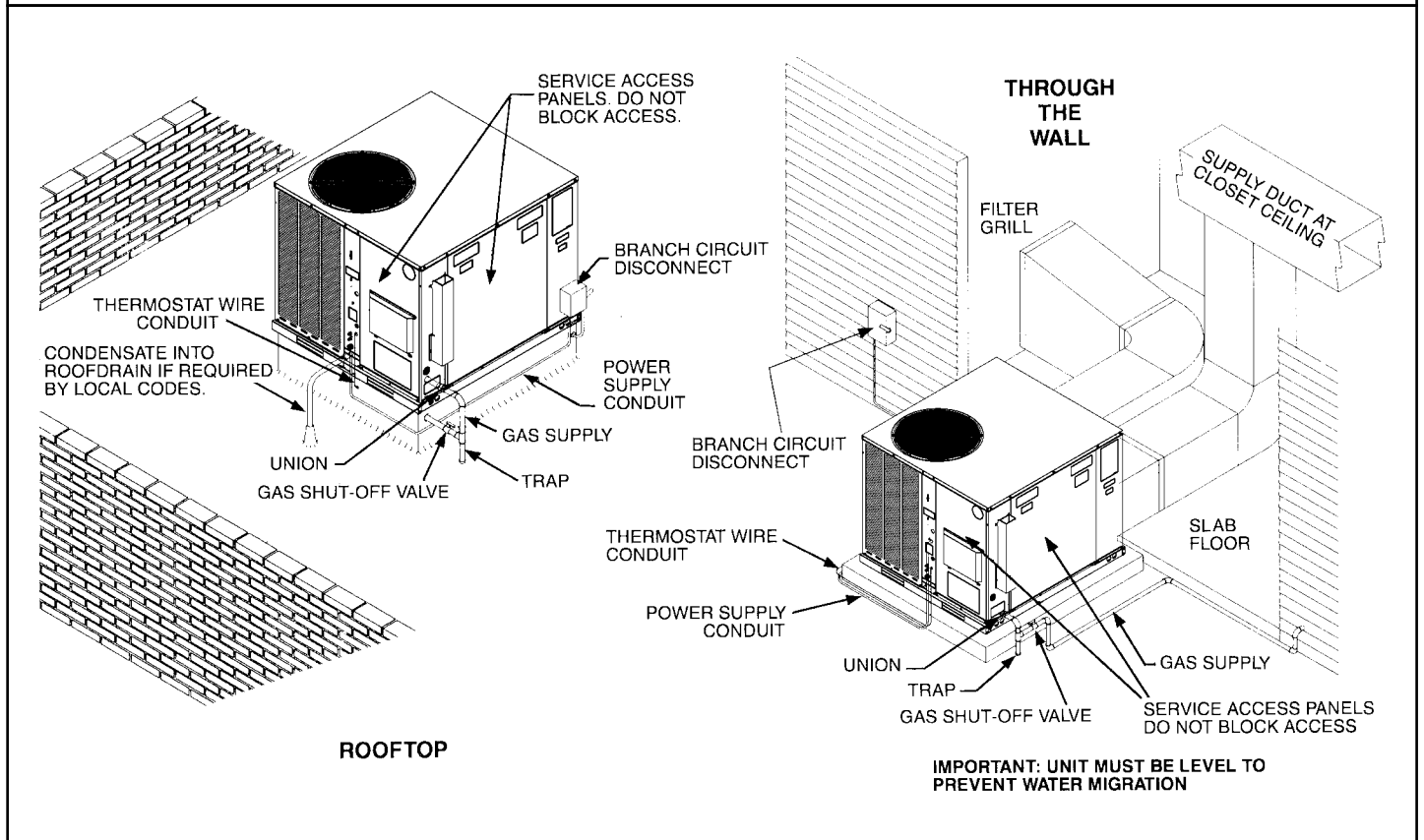
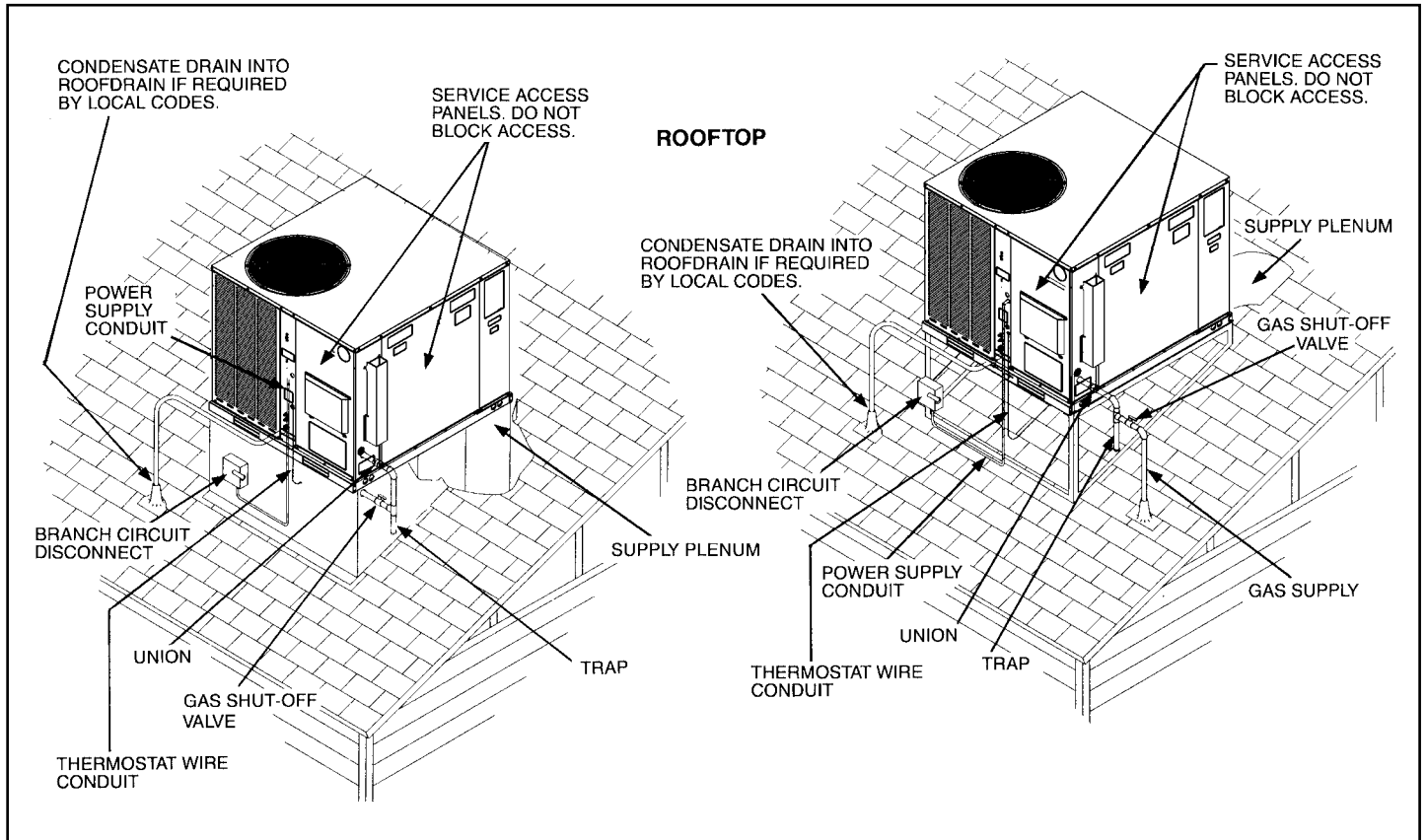
**BACK VIEW**



SHOWN WITH DUCT COVERS REMOVED.

Models: RRNL/RRPL	Model: RRRL	"A" Height
B024, B030, B036	B024	$35^{15}/16"$
B042, B048, B060/C060	B036, B048, B060	41"

[ ] Designates Metric Conversions



[ ] Designates Metric Conversions



## ACCESSORY EQUIPMENT

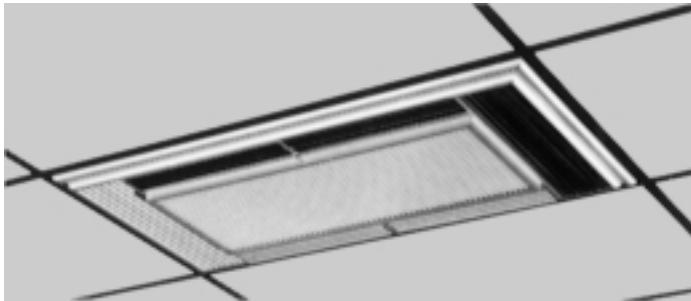
Accessory Description	Model Application	Accessory Model No.
Thermostats	RRNL-/RRPL-/RRRL-	See Thermostat Specification Sheet (T11-001)
Roofcurbs	RRNL-/RRPL-/RRRL-	RXSG-AAA08 (8" [203 mm] Height) RXSG-AAA14 (14" [356 mm] Height) RXSG-AAA24 (24" [610 mm] Height)
Supply & Return Diffusers	RRNL-/RRPL-/RRRL-	RXRN-BD15
Economizers (Sideflow Only)	RRNL-/RRPL-/RRRL-	RXRE-CCA30 (3 Position) RXRD-CCM10 (Fully Modulating)
Economizers (Downflow Only)	RRNL-/RRPL-/RRRL-	RXRE-CAA30 (3 Position) RXRD-CAM10 (Fully Modulating)
Fresh Air Damper	RRNL-/RRPL-/RRRL-	RXRF-FAB1 (Motorized-35%) RXRF-FAA1 (Fixed-35%)
Rectangular to Round Transition (Downflow)	RRNL-/RRPL-/RRRL-	RXMC-CA02 (16" [406 mm] Ducts) RXMC-CA03 (18" [457 mm] Ducts)
Filter Kit	RRNL-/RRPL-/RRRL-	RXRY-B01
Sideflow Rectangular to Round Transition	RRNL-/RRPL-/RRRL-	RXMC-BA01
LP Conversion Kits	RRNL-/RRPL-/RRRL-C (2 Stage)	RXGJ-EP84W (White-Rodgers Gas Valve) RXGJ-EP85H (Honeywell Gas Valve) RXGJ-FP25
Low Ambient Control	RRNL-/RRPL-/RRRL-	RXRZ-B01
High Pressure Control	RRNL-/RRPL-/RRRL- <sup>2</sup>	RXAB-E01
Low Pressure Control	RRNL-/RRPL-/RRRL- <sup>2</sup>	RXAC-C01
Canadian High Altitude Kit (for Natural Gas only <sup>1</sup> )	RRNL-/RRPL-/RRRL-	RXRX-AH01
Dehumidistat	RRRL-	41-25066-02 (Available through PROSTOCK)

<sup>1</sup> If a particular unit is to be converted to operate on LP (propane) for elevations above 2000 ft. [609.6 m] in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. [609.6-1371.6 m] Canadian applications.

<sup>2</sup> High and low pressure switches are standard for RRRL Models and for RRNL/RRPL 5 Ton models.

[ ] Designates Metric Conversions

## COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



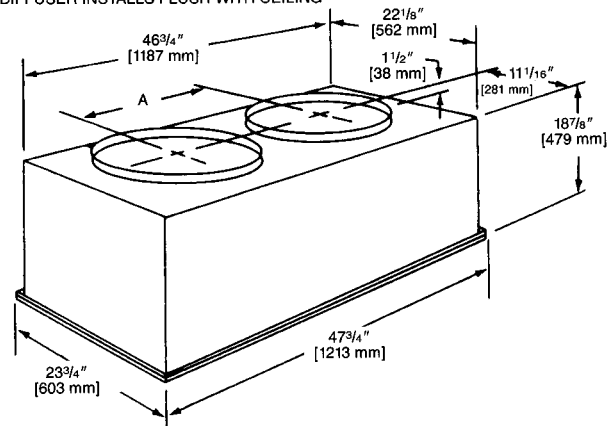
## SUPPLY/RETURN DIFFUSER



Designed to convert a side by side or an over and under arrangement into a concentric distribution of air. The diffuser is flush mounted, completely insulated, assembled, and internally baffled to provide four way supply air distribution with a center return. To make the assembly complete and ready to fit into a 2' [0.61 m] x 4' [1.22 m] suspended ceiling grid, the diffuser includes adjustable supply louvers, hanging rings, anti-sweat gasket, and round flanges for use with flexible ducts.

Model No.	Diameter Inches [mm]	Shipping Wt. Lbs. [kg]	Dimension A Inches [mm]
RXRN-BD15	16 [406]	90 [40.82]	20 <sup>1</sup> / <sub>2</sub> [521]

DIFFUSER INSTALLS FLUSH WITH CEILING



**NOTE:** The location of the combination supply and return diffuser should not exceed 10 feet [3.05 m] above the floor level for units @ 1000 CFM [472 L/s] or less and 12 [3.66 m] to 14 feet [4.27 m] above the floor level for units with CFM greater than 1000 [472 L/s]. If the diffuser is installed with a greater distance than recommended above, the supply air may become stratified above the required comfort area causing uncomfortable conditions.

## AIRFLOW/PRESSURE DROP INFORMATION (INCHES W.C. [kPa])

Accessory	Approximate CFM [L/s]-Supply Air			
	1300 [614]	1575 [743]	1800 [850]	2200 [1038]
Plenum & Supply/Return Duct	.07 [.017]	.10 [.024]	.12 [.030]	.17 [.042]
Diffuser	.09 [.022]	.13 [.032]	.16 [.040]	.24 [.060]
Economizer	.06 [.015]	.09 [.022]	.11 [.027]	.17 [.042]

## SUPPLY AIR/PERFORMANCE

Diffuser Airflow CFM [L/s]	Range of Throw Ft. [m]
800 [378]-1200 [566]	14 [4.27]-16 [4.88]
1600 [755]-2000 [944]	18 [5.49]-28 [8.53]

## THERMOSTATS



**100-Series \***  
Non-Programmable



**200-Series \***  
Programmable



**300-Series \***  
Deluxe  
Programmable



**400-Series \***  
Special Applications/  
Programmable

**500-Series \***  
Communicating/  
Programmable

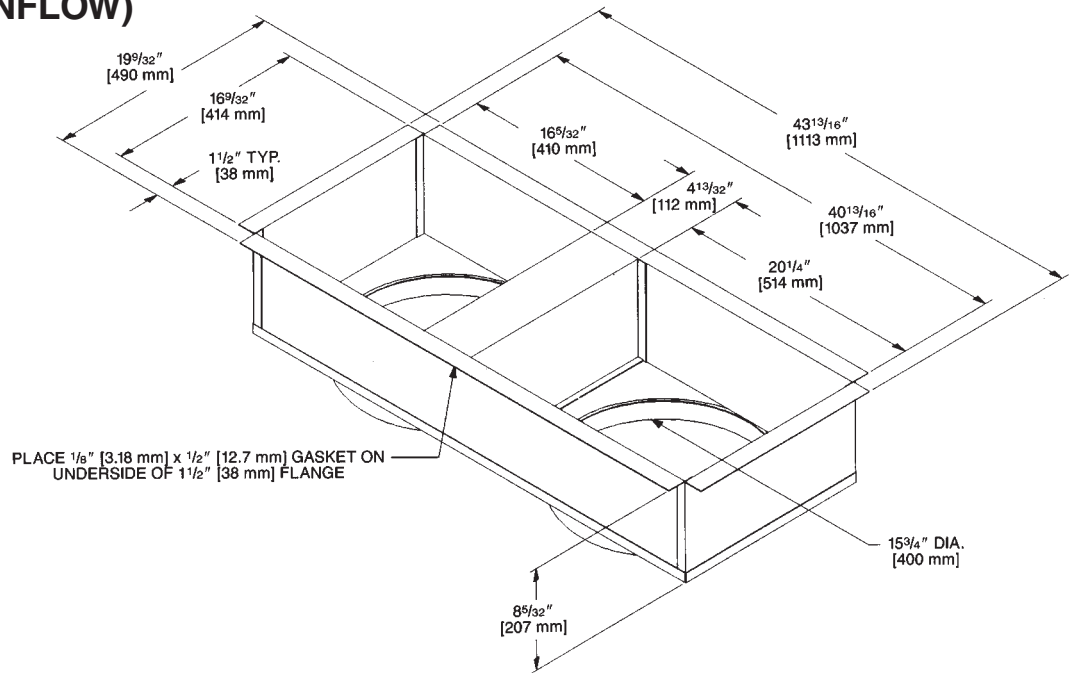
Brand	Unique Model Number Prefix	Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
RHC	-	TST	101	GE	MS
RHC=Rheem		TST=Thermostat	100=Non-Programmable 200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable 500=Communicating/ Programmable	GE=Gas/Oil/Electric HP=Heat Pump MD=Modulating Furnace DF=Dual Fuel UN=Universal AC/HP/GE CM=Communicating	SS=Single-Stage MS=Multi-Stage

\* Photos are representative. Actual models may vary.

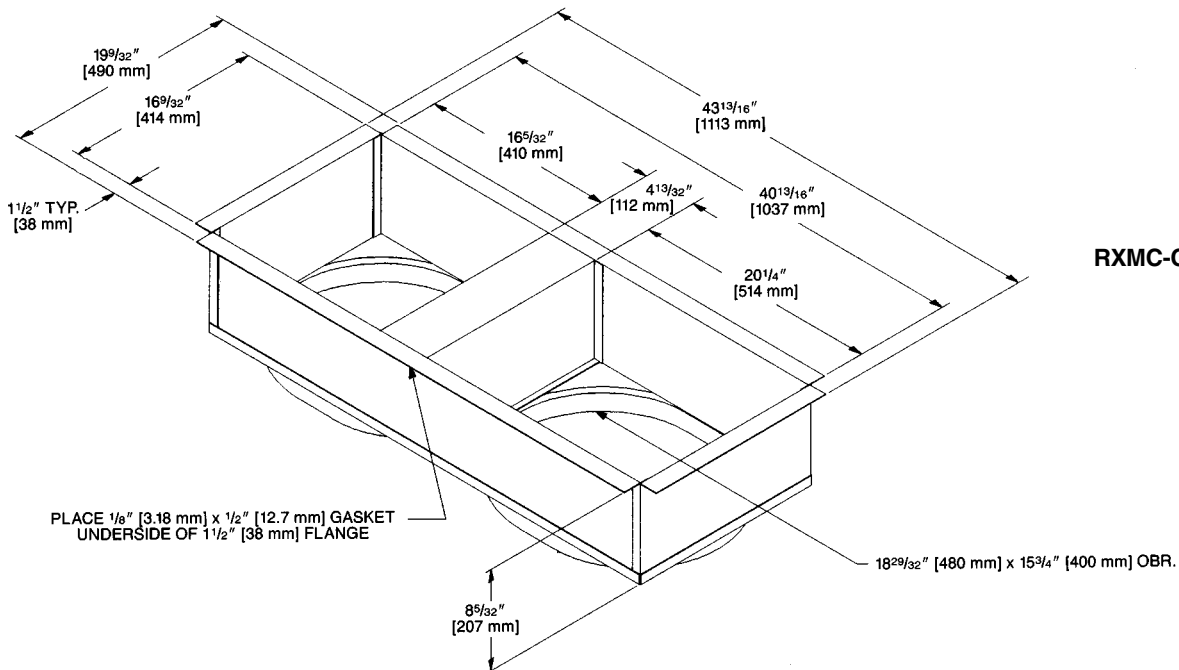
For detailed thermostat match-up information, see specification sheet form number T11-001.

**DUCT ADAPTERS  
RECTANGULAR TO ROUND  
TRANSITIONS (DOWNFLOW)**

**RXMC-CA02**



**RXMC-CA03**



[ ] Designates Metric Conversions

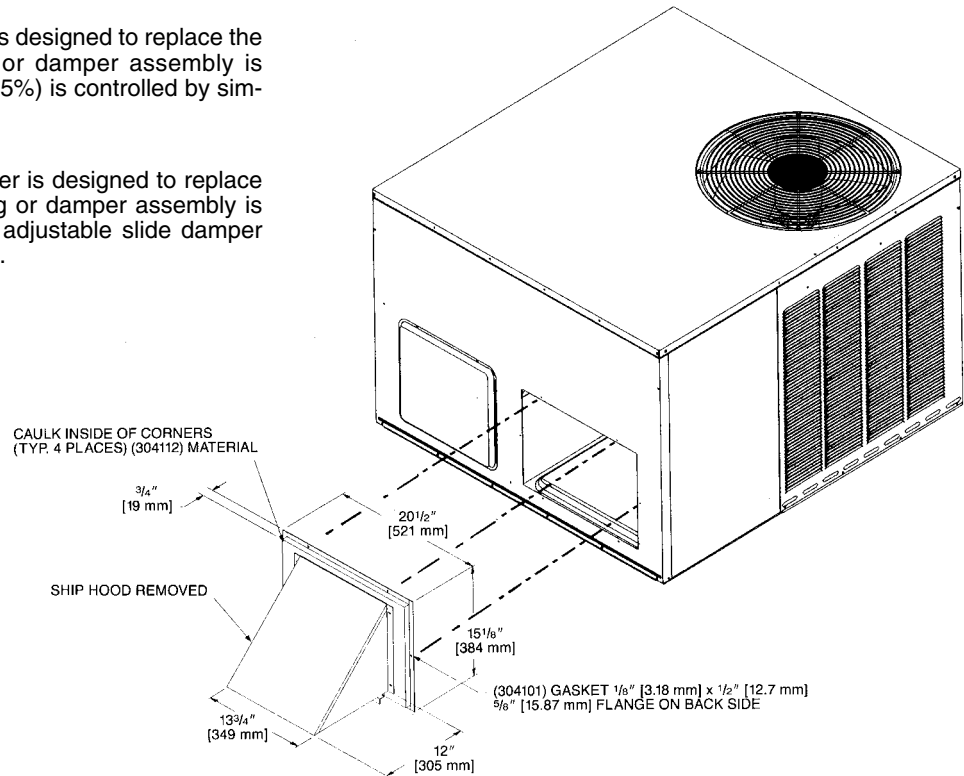
## FRESH AIR DAMPER

### RXRF-FAA1 (Fixed - 0-35%)

The 0-35% manual outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The amount of outside air (0-35%) is controlled by simply adjusting the side damper.

### RXRF-FAB1 (Motorized - 0-35%)

The 0-35% motorized outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The control motor opens the adjustable slide damper when the unit blower motor is energized.



## ECONOMIZERS

### RXRE-CAA30 (3 Position) and RXRD-CAM10 (Fully Modulating)

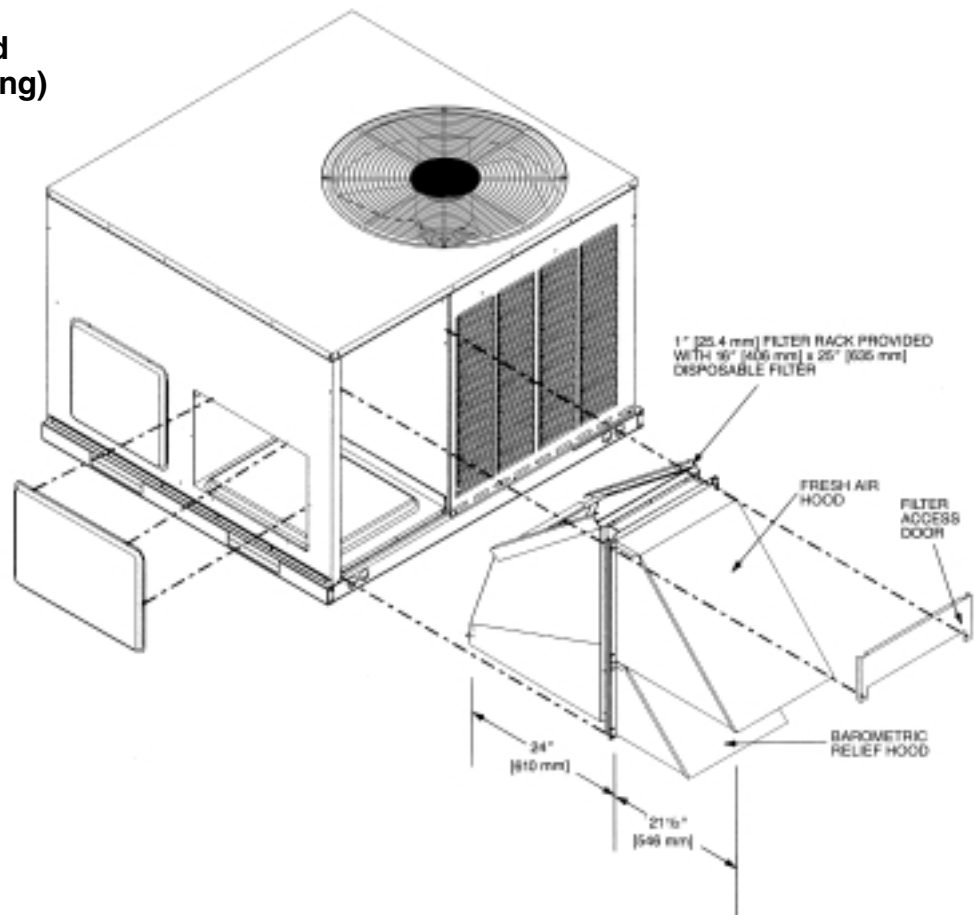
#### RXRE-CAA30 (3 Position)

Provided with enthalpy control, and mixed air sensor. Settings include fully open, fully closed and adjustable mid point.

#### RXRD-CAM10 (Fully Modulating)

Provided with enthalpy control, mixed air sensor and minimum position potentiometer for proportioning (modulating) the amount of fresh air.

**NOTE:** See economizer installation instructions for correct filter access door.



[ ] Designates Metric Conversions

## ECONOMIZERS

### RXRD-CCM10 (Fully Modulating) and RXRE-CCA30 (3 Position) Horizontal Application

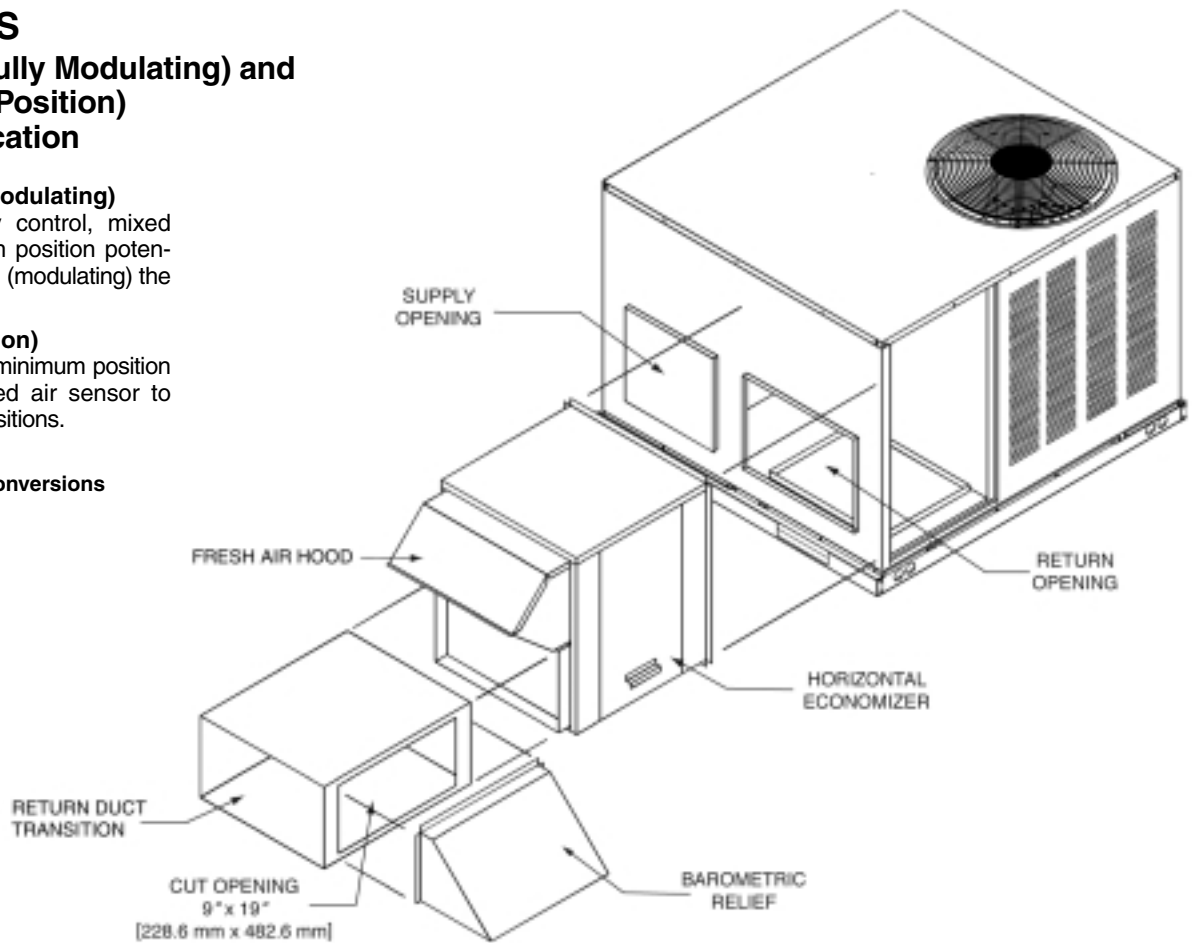
#### RXRD-CCM10 (Fully Modulating)

Provided with enthalpy control, mixed air sensor and minimum position potentiometer for proportioning (modulating) the amount of fresh air.

#### RXRE-CCA30 (3-Position)

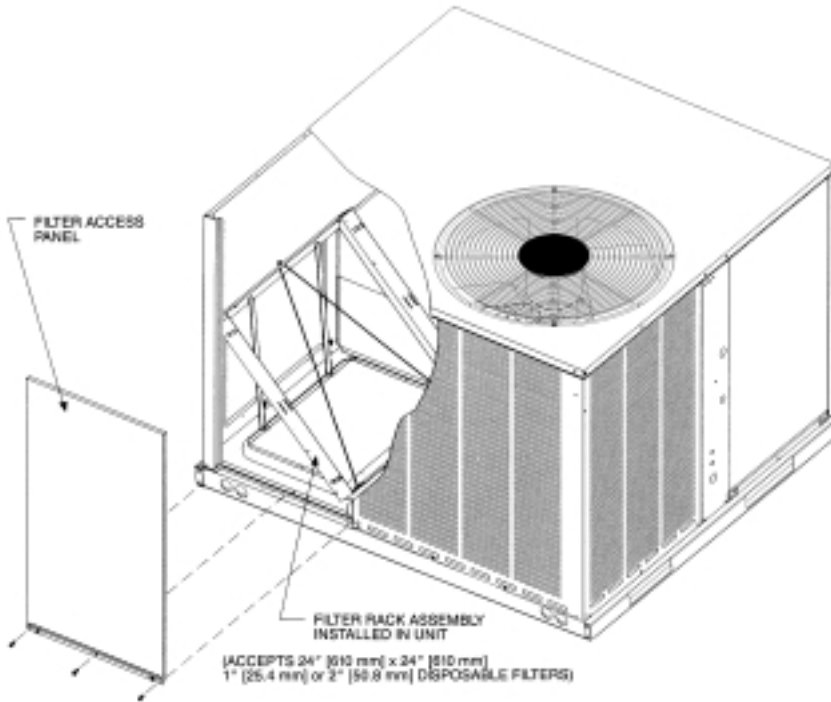
Has outdoor air sensor, minimum position potentiometer and mixed air sensor to provide three damper positions.

[ ] Designates Metric Conversions



## FILTER KIT INSTALLATION RXRY-B01

For use in either  
vertical or horizontal  
discharge.



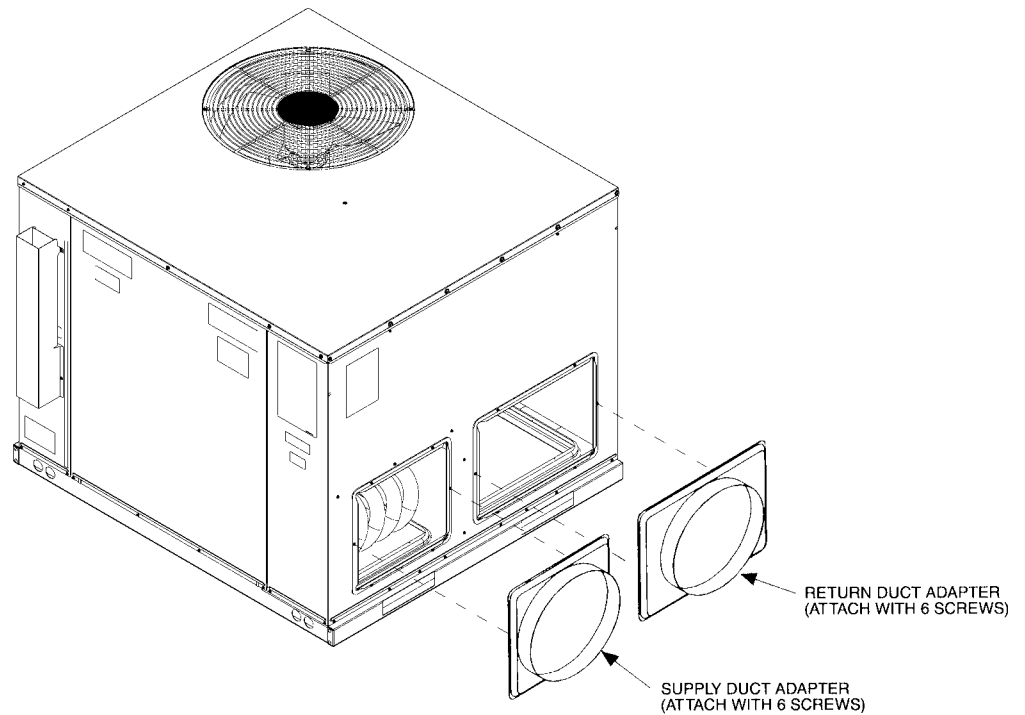
Airflow Pressure Drop, Inches W.C. [kPa]		
CFM [L/s]	1" Filter	2" Filter
500 [236]	.02 [.0050]	.03 [.0075]
600 [283]	.02 [.0050]	.03 [.0075]
700 [330]	.03 [.0075]	.04 [.0010]
800 [378]	.04 [.0010]	.05 [.0124]
900 [425]	.05 [.0124]	.06 [.0149]
1000 [472]	.07 [.0174]	.08 [.0199]
1100 [519]	.08 [.0199]	.09 [.0224]
1200 [566]	.10 [.0249]	.12 [.0299]
1300 [614]	.13 [.0324]	.15 [.0373]
1400 [661]	.16 [.0398]	.19 [.0473]
1500 [708]	.19 [.0473]	.21 [.0523]
1600 [755]	.20 [.0498]	.23 [.0572]
1700 [802]	.21 [.0523]	.24 [.0598]
1800 [850]	.22 [.0548]	.25 [.0623]
1900 [897]	.24 [.0598]	.27 [.0672]
2000 [944]	.26 [.0647]	.29 [.0722]

[ ] Designates Metric Conversions

## DUCT ADAPTER SIDEFLOW SQUARE TO ROUND TRANSITION RXMC-A01

Adapts the side rectangular supply and return openings to 14" [356 mm] diameter round openings. Adapters provided with same finish as unit and also provided with thermal insulation.

[ ] Designates Metric Conversions



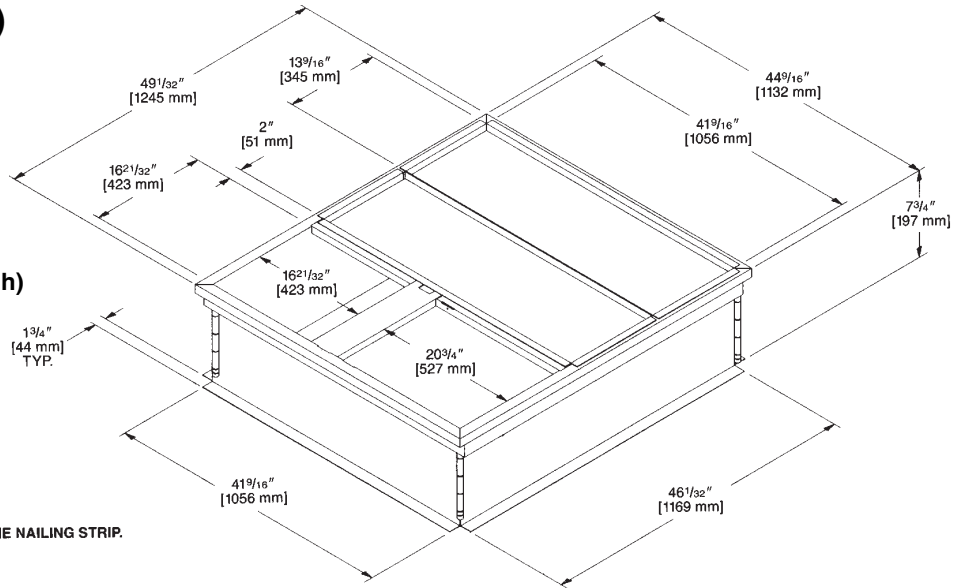
## ROOFCURB (Full Perimeter)

RXSG-AAA08, RXSG-AAA14  
and RXSG-AAA24

Hinged corners make for  
fast, easy set-up.

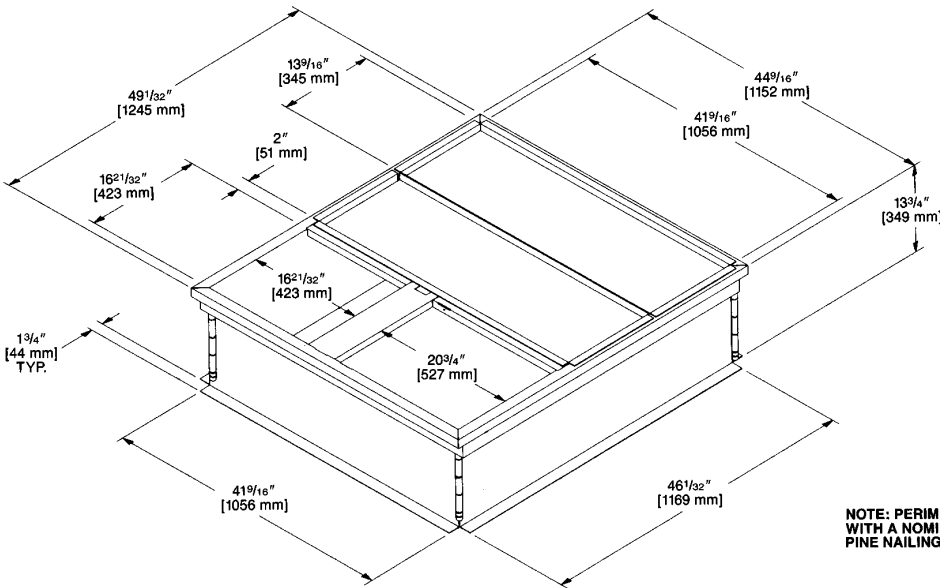
NOT for use with  
RQKA/RQLA/RQMA  
Package Heat Pumps.

**RXSG-AAA08**  
(8" [203 mm] High)



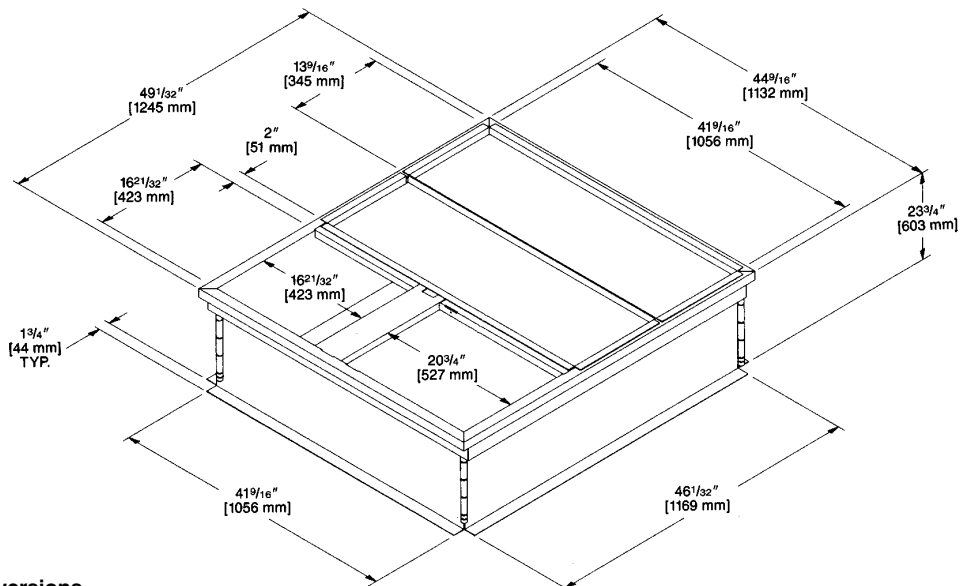
NOTE: PERIMETER OF ROOFCURB IS SUPPLIED  
WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

**RXSG-AAA14**  
(14" [356 mm] High)



NOTE: PERIMETER OF ROOFCURB IS SUPPLIED  
WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm]  
PINE NAILING STRIP.

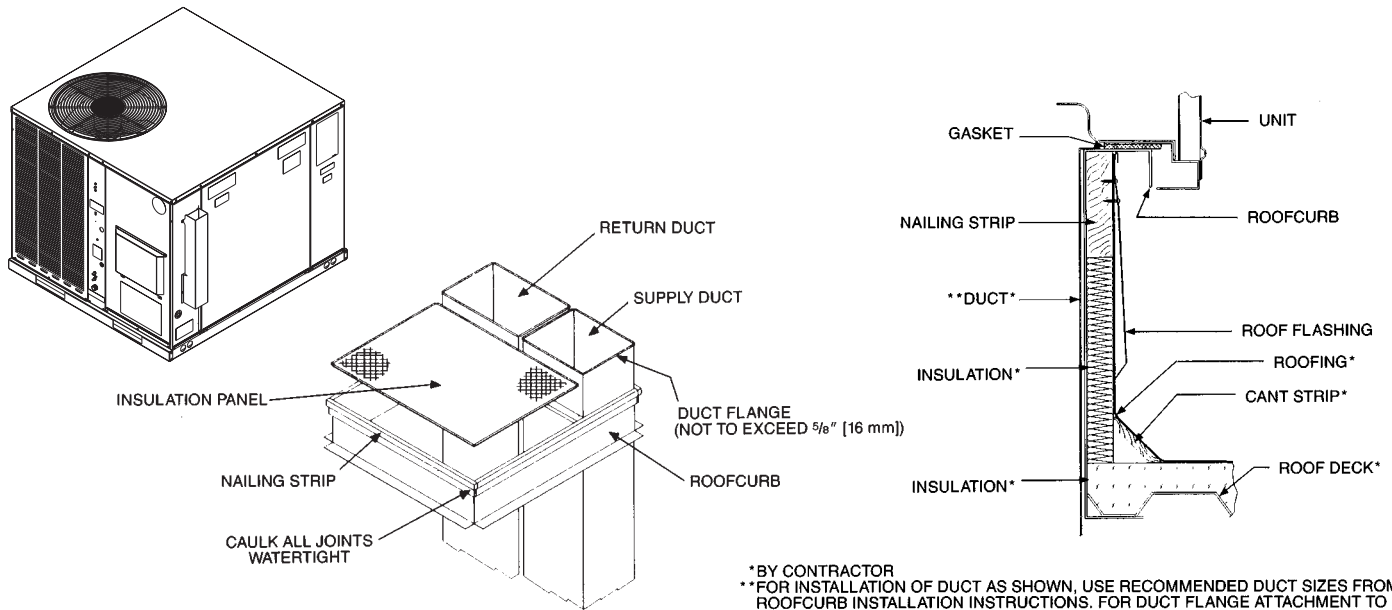
**RXSG-AAA24**  
(24" [610 mm] High)



[ ] Designates Metric Conversions



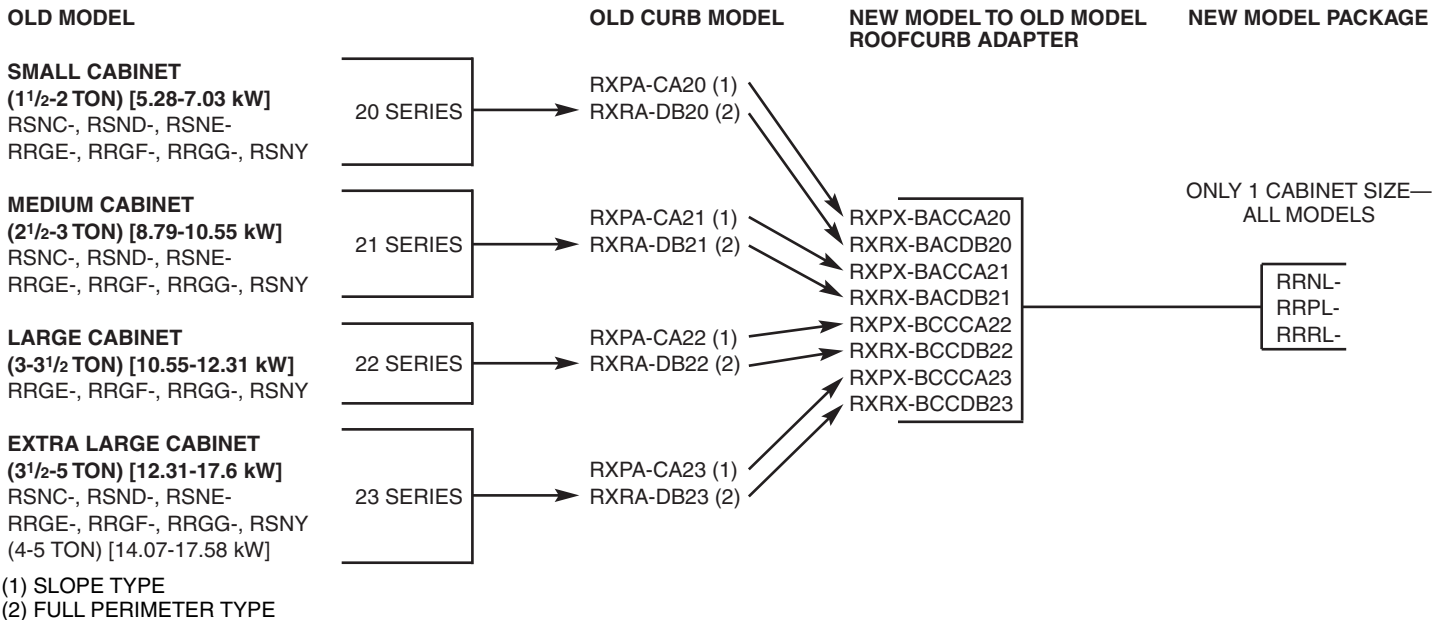
## PACKAGE AIR CONDITIONERS & PACKAGE GAS/ELECTRIC UNITS ROOFCURB INSTALLATION (Full Perimeter)



\*BY CONTRACTOR  
 \*\*FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

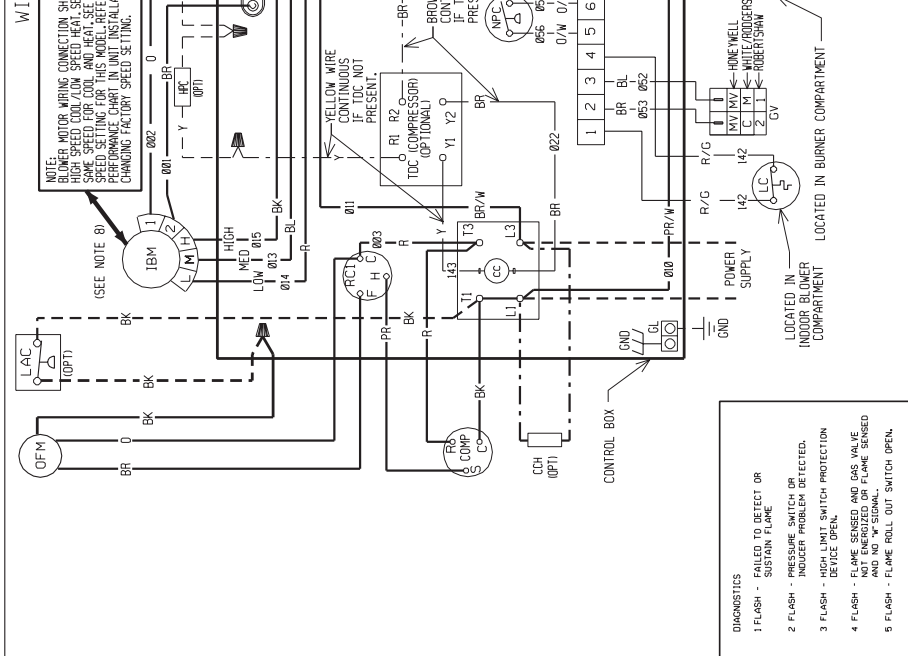
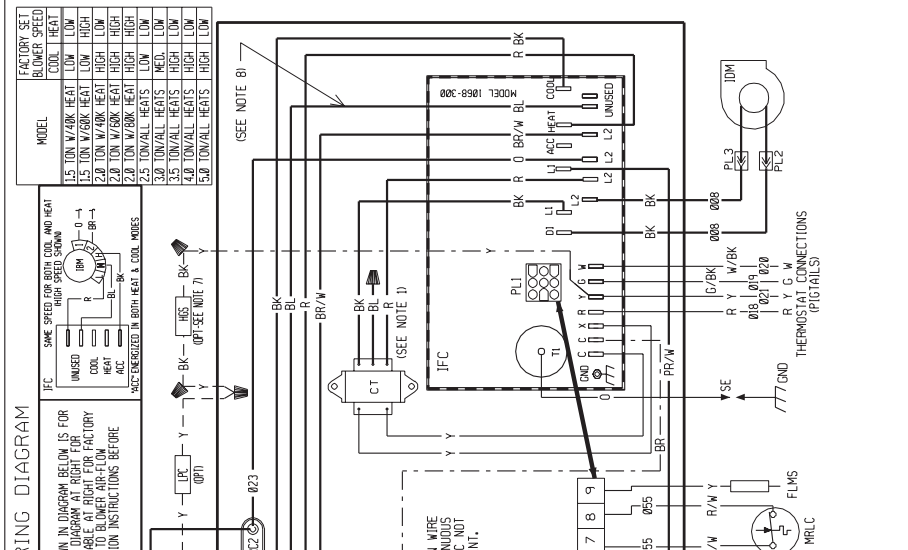
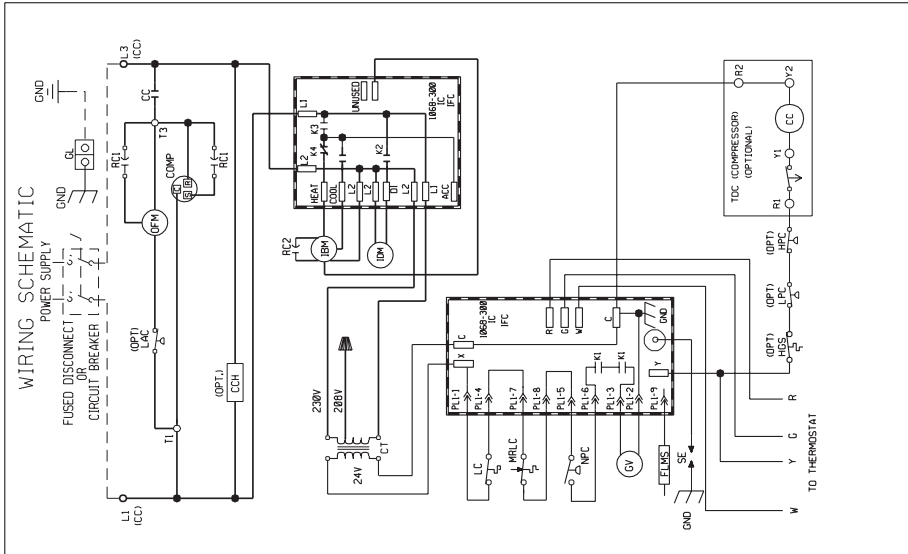
## ROOFCURB ADAPTERS

Fabricated from galvanized steel to adapt the New cabinet to the old style curb. All are furnished with a New gasket.



(1) SLOPE TYPE  
 (2) FULL PERIMETER TYPE

[ ] Designates Metric Conversions



### WIRE COLOR CODE

BK	BLACK
BR	BROWN
BL	BLUE
G	GREEN
GY	GRAY
O	ORANGE
PR	PURPLE
R	RED
W	WHITE
Y	YELLOW

### ELECTRICAL WIRING DIAGRAM

1.5 - 5.0 TON GAS/ELECTRIC W/INTEGRATED FURNACE CONTROL W/PSC BLOWER MOTOR 208/230V, 1 - PHASE

DR. BY: AMF/PB | APP. BY: DATE: 08-1-95 | DWG. NO.: 90-23626-04 | REV: 08

### WIRING INFORMATION

LINE VOLTAGE: -FACTORY STANDARD, -FACTORY OPTION, -FIELD INSTALLED, LOW VOLTAGE, -FACTORY STANDARD, -FACTORY OPTION, -FIELD INSTALLED.

REPLACE WITH THE SAME SIZE AND TYPE OF REPLACEMENT WIRE. INSULATION AS ORIGINAL (105 C MIN.).

WARNING: -CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

### NOTES:

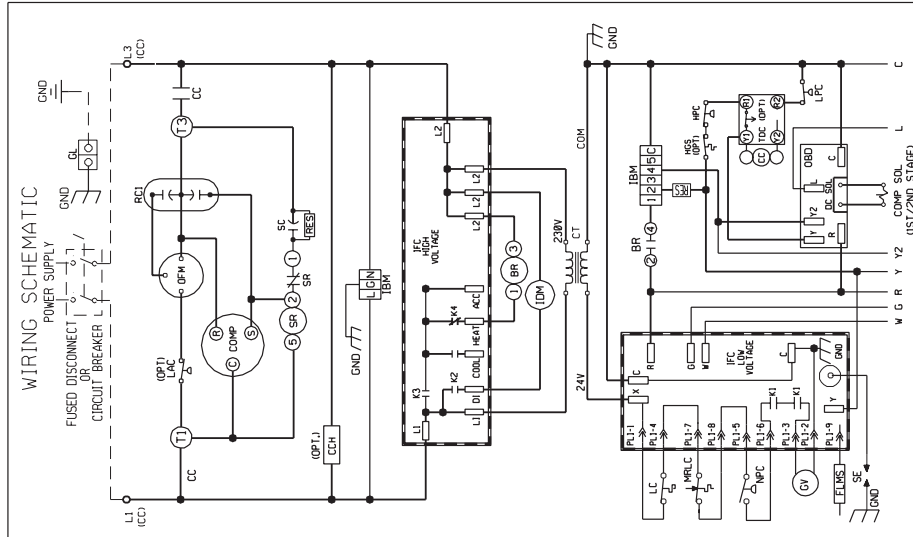
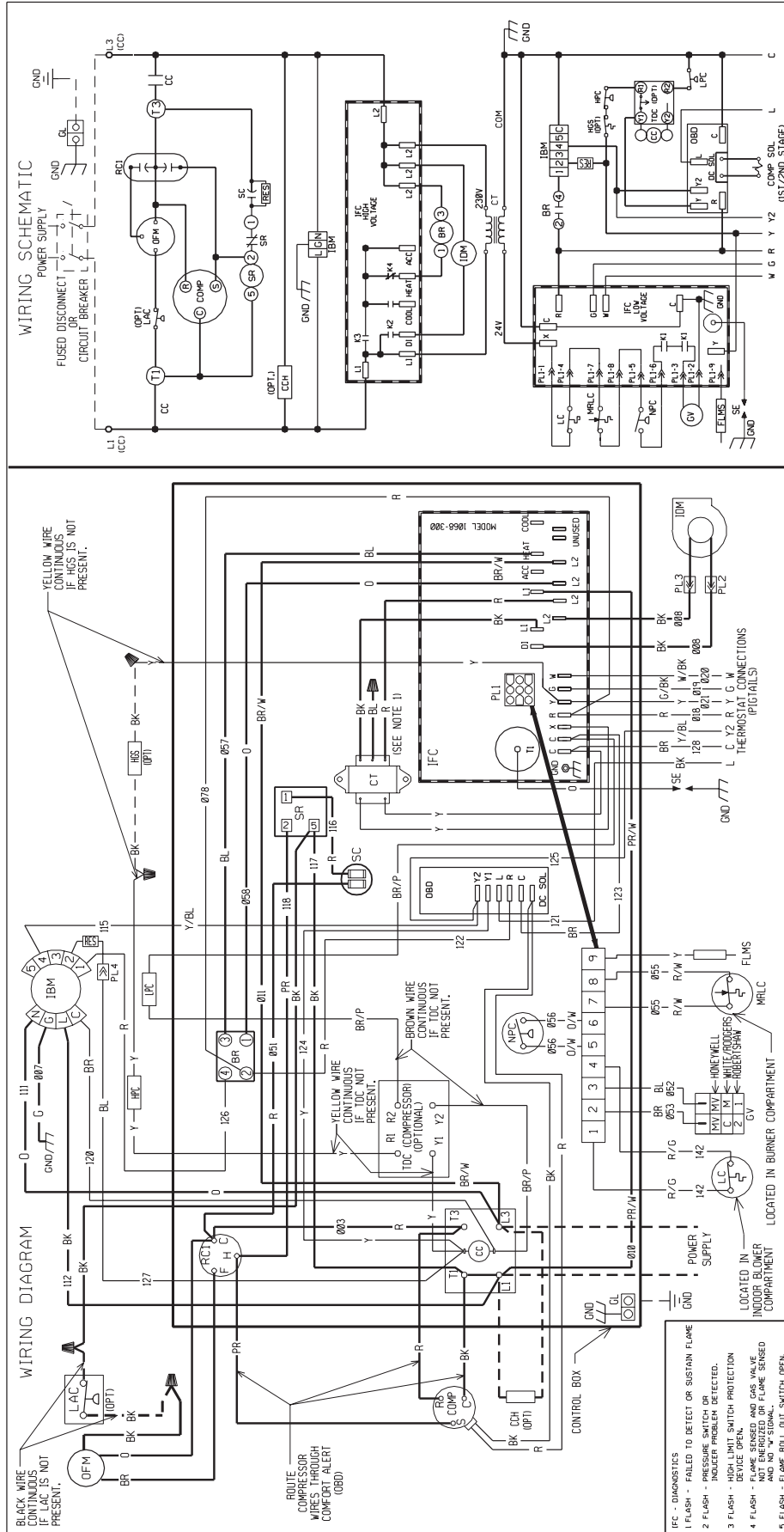
- MAIN UNIT TRANSFORMER PRIMARY LEADS: RED-COMMON, BLUE-208 V. BLACK-230 V. INTERCHANGE BLACK & BLUE LEADS FOR 208 V. TRANSFORMER OPERATION.
- MOTORS & COMPRESSOR THERMALLY PROTECTED. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUIT TO 60 HZ FUSED DISCONNECT.
- CONNECTIONS IN WIRING IN GROUNDED RAIN-TIGHT A CLASS 2 TRANSFORMER 24 VOLT, 50/60 HERTZ SUPPLIED.
- REPLACE WITH THE SAME TYPE & SIZE AS ORIGINAL USES MUST BE SAME TYPE & COMPRESSORS ONLY.
- HGS LOCATED IN TOP OF COPELAND ZR\*\*K1 ON 2.5 - 4.0 TON MODELS ONLY.

### COMPONENT CODE

CC	COMPRESSOR CONTACTOR
CCH	CRANKCASE HEATER
COMP	COMPRESSOR
CT	CONTROL TRANSFORMER
FLMS	FLAME SENSOR
GL	GROUND LUG
GND	GROUND
GV	GAS VALVE
HPC	HIGH PRESSURE CONTROL
IDM	INDOOR BLOWER MOTOR
IFC	INTEGRATED FURNACE CONTROL
HGS	HOT GAS SENSOR
LAC	LOW AMBIENT COOLING CONTROL
LC	LIMIT CONTROL

DWG. NO. 90-23626-04 | REV 08





**WIRING SCHEMATIC**

POWER SUPPLY  
FUSED DISCONNECT  
OR  
CIRCUIT BREAKER

**WIRE COLOR CODE**

BK	BLACK	O	ORANGE
BR	BROWN	PR	PURPLE
BL	BLUE	R	RED
G	GREEN	W	WHITE
GY	GRAY	Y	YELLOW

**ELECTRICAL WIRING DIAGRAM**

5.0 TON GAS/ELECTRIC  
2-STAGE COMPRESSOR AND  
INTEGRATED FURNACE CONTROL  
208/230V, 1 - PHASE

DR. BY: JRP  
APP. BY: DATE: 10-14-05  
DWG. NO.: 90-23626-13  
REV: 06

**WIRING INFORMATION**

LINE VOLTAGE  
-FACTORY STANDARD  
-FACTORY OPTION  
-FIELD INSTALLED

LOW VOLTAGE  
-FACTORY STANDARD  
-FACTORY OPTION  
-FIELD INSTALLED

REPLACE WIRE  
-MUST BE THE SAME SIZE AND TYPE OF  
INSULATION AS ORIGINAL (105 C MIN.)

WARNING  
-CABINET MUST BE PERMANENTLY  
GROUNDED AND CONFORM TO I.E.C., N.E.C.,  
C.E.C. AND LOCAL CODES AS APPLICABLE.

- NOTES:**
1. MAIN UNIT TRANSFORMER PRIMARY LEADS:  
R1 - COMMON BLUE-208 V BLACK-230 V  
R2 - INTERCHANGE BLACK & BLUE LEADS FOR  
208 V TRANSFORMER OPERATION.
  2. MOTORS & COMPRESSOR THERMALLY PROTECTED.  
CONNECTORS SUITABLE FOR USE WITH COPPER  
CONDUCTOR WIRING IN GROUNDED RAINLIGHT  
CONDUIT TO 60 HZ FUSED DISCONNECT.
  3. A CLASS 2 TRANSFORMER 24 VOLT, 50/60  
HERTZ SUPPLIED. USES MUST BE SAME TYPE &  
SIZE AS ORIGINAL.

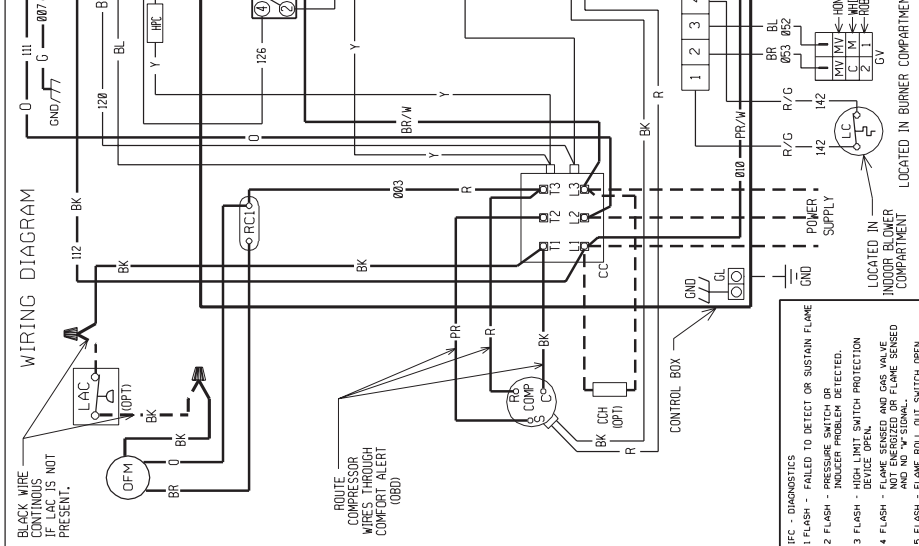
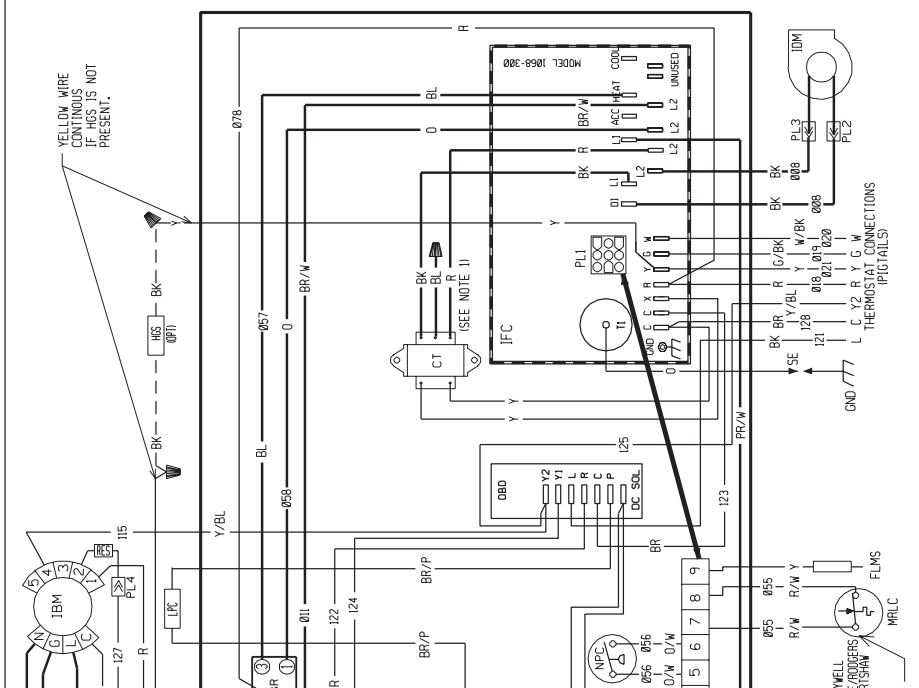
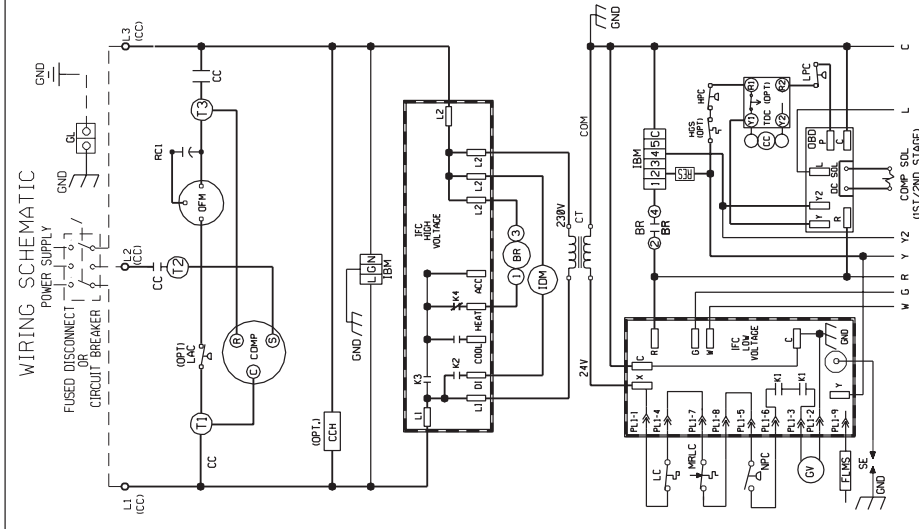
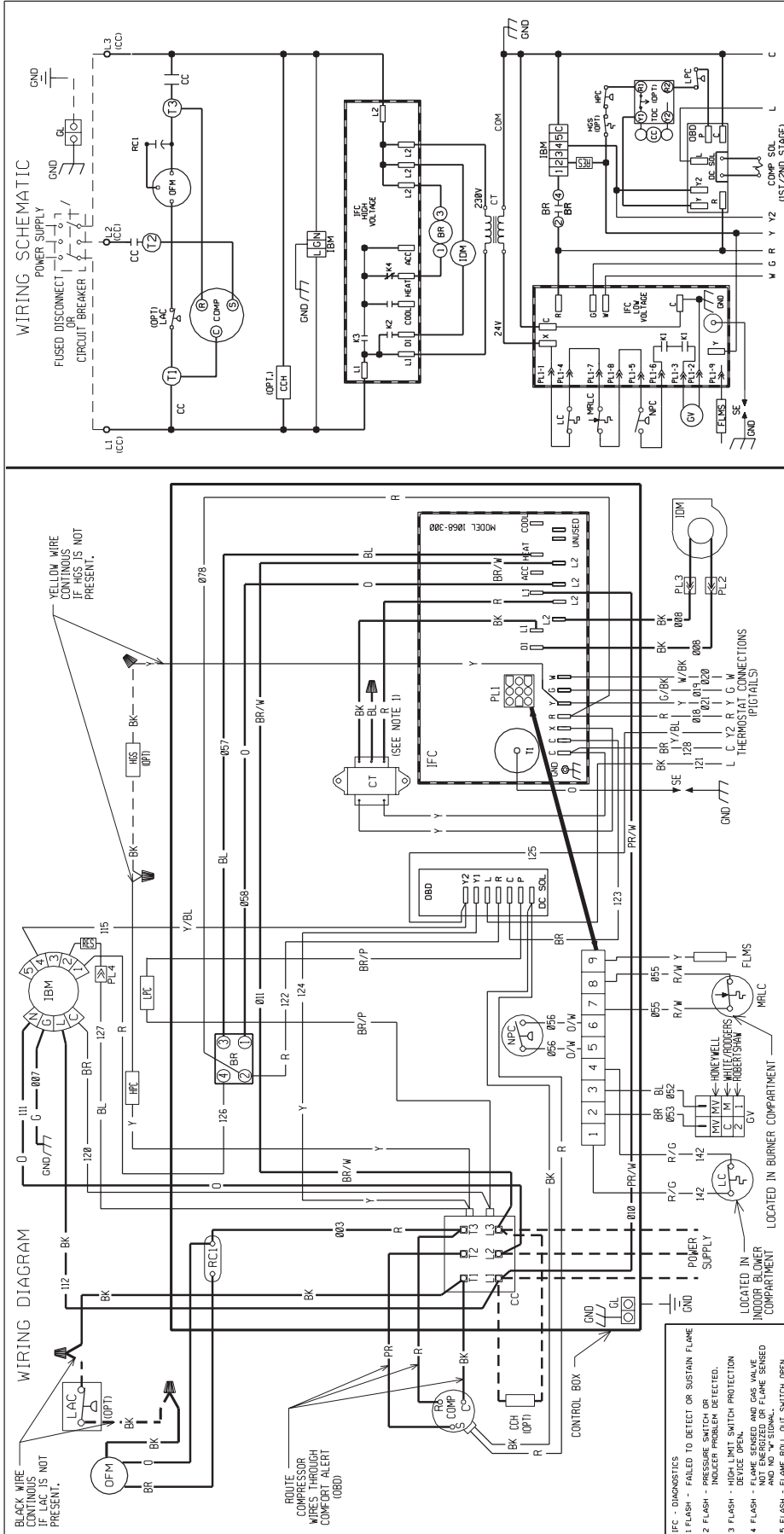
**COMPONENT CODE**

BR	BLOWER RELAY
CC	COMPRESSOR CONTACTOR
CH	CRANKCASE HEATER
COM	COMPRESSOR
CT	CONTROL TRANSFORMER
FLMS	FLAME SENSOR
GL	GROUND LUG
GN	GROUND
GV	GRASS VALVE
HPC	HIGH PRESSURE CONTROL
IBM	INDOOR BLOWER MOTOR
IJC	INTEGRATED FURNACE CONTROL
LAC	HOT GAS SENSOR
LC	LOW AMBIENT COOLING
LPC	LOW PRESSURE CONTROL
MRLC	MAN. RESET LIMIT CONTROL
NPC	NEG. PRESSURE CONTROL
ON	ON BOARD DIAGNOSTICS
OFM	OUTDOOR FAN MOTOR
OPT	OPTIONAL
PLUG	PLUG
RC	RUN CAPACITOR
RES	RESISTOR
SC	START CAPACITOR
SE	START ELECTRODE
SR	START RELAY
TDC	TIME DELAY CONTROL
W	WIRE NUT

**DIAGNOSTICS**

- 1 FLASH - FAILED TO DETECT OR SUSTAIN FLAME
- 2 FLASH - PRESSURE SWITCH OR INDICATOR PROBLEM DETECTED.
- 3 FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
- 4 FLASH - NOT ENERGIZED OR FLAME SENSED AND NO "W" SIGNAL.
- 5 FLASH - FLAME ROLL OUT SWITCH OPEN.

DWG. NO. 90-23626-13  
REV 06



**WIRE COLOR CODE**

BK	BLACK	0	ORANGE
BR	BROWN	PR	PURPLE
BL	BLUE	R	RED
G	GREEN	W	WHITE
GY	GRAY	Y	YELLOW

**ELECTRICAL WIRING DIAGRAM**  
5.0 TON GAS/ELECTRIC  
2-STAGE COMPRESSOR AND  
INTEGRATED FURNACE CONTROL  
208/230V, 3 - PHASE

**WIRING INFORMATION**

LINE VOLTAGE  
-FACTORY STANDARD  
-FACTORY OPTION  
-FIELD INSTALLED  
LOW VOLTAGE  
-FACTORY STANDARD  
-FACTORY OPTION  
-FIELD INSTALLED  
REPLACEMENT WIRE  
-MUST BE THE SAME SIZE AND TYPE OF  
-INSULATION AS ORIGINAL (105 C MIN.)  
WARNING  
-CABINET MUST BE PERMANENTLY  
GROUNDED AND CONFORM TO I.E.C., N.E.C.,  
C.E.C. AND LOCAL CODES AS APPLICABLE.

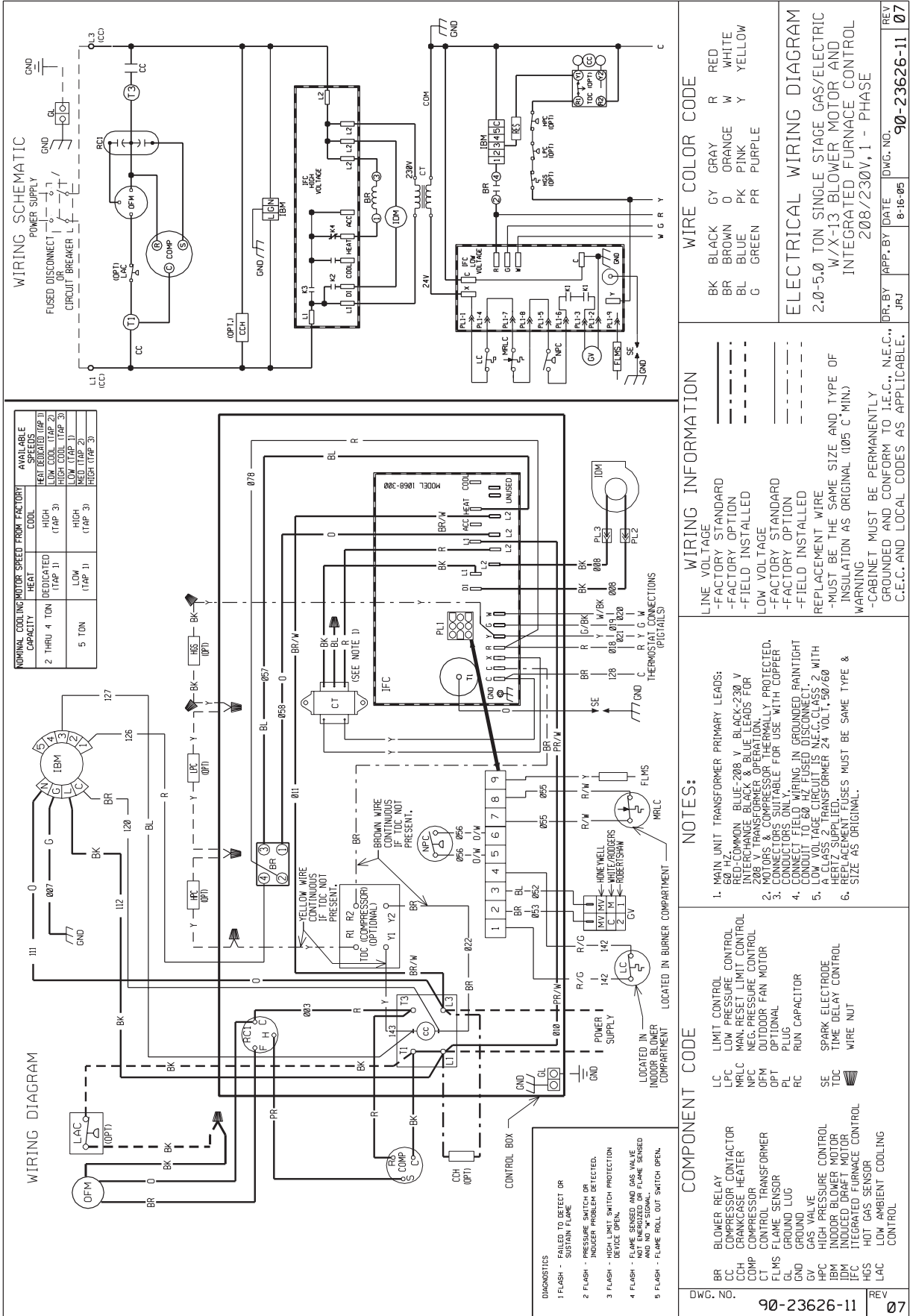
- NOTES:**
1. MAIN UNIT TRANSFORMER PRIMARY LEADS:  
RED - COMMON BLUE - 208 V BLACK - 230 V  
INTERCHANGE BLACK & BLUE LEADS FOR  
208 V TRANSFORMER OPERATION.  
2. MOTORS & COMPRESSOR THERMALLY PROTECTED,  
CONNECTORS SUITABLE FOR USE WITH COPPER  
CONDUCTIVE WIRING IN GROUNDED RAIN-TIGHT  
CONDUIT TO 60 HZ FUSED DISCONNECT.  
3. A CLASS 2 TRANSFORMER 24 VOLT, 50/60  
HERTZ SUPPLIES THESE MUST BE SAME TYPE &  
SIZE AS ORIGINAL.

**COMPONENT CODE**

BR	BLOWER RELAY
CC	COMPRESSOR CONTACTOR
LAC	LOW PRESSURE CONTROL
MRLC	MIN. RESET LIMIT CONTROL
NFC	NEG. PRESSURE CONTROL
OPM	ON BOARD DIAGNOSTICS
OPM	OUTDOOR FAN MOTOR
OPT	OPTIONAL
PLUG	PLUG CAPACITOR
RC	RESISTOR
RES	HIGH PRESSURE CONTROL
IBM	INDOOR BLOWER MOTOR
SC	START CAPACITOR
IFC	INTEGRATED FURNACE CONTROL
SR	START ELECTRODE
HCS	HOT GAS SENSOR
LHC	LOW AMBIENT COOLING CONTROL

DWG. NO. **90-23626-14** REV **06**

DR. BY	JRJ	APP. BY DATE	11-8-05	DWG. NO.	90-23626-14	REV	06
--------	-----	--------------	---------	----------	-------------	-----	----



**NOMINAL COOLING CAPACITY AND AVAILABLE SPEEDS**

CAPACITY	SPEEDS FROM FACTORY		
	HEAT	COOL	HEAT RECOVER (HP 1)
2 THRU 4 TON	DEDICATED (TAP 1)	HIGH (TAP 3)	LOW COOL (TAP 2)
	LOW (TAP 1)	LOW (TAP 3)	MED (TAP 2)
	MED (TAP 1)	HIGH (TAP 3)	LOW (TAP 2)
5 TON	LOW (TAP 1)	HIGH (TAP 3)	MED (TAP 2)
	MED (TAP 1)	HIGH (TAP 3)	LOW (TAP 2)

**WIRING DIAGRAM**

**WIRING SCHEMATIC**

**COMPONENT CODE**

BR	BLOWER RELAY
CC	CONTACTOR
CH	CHANGEOVER HEATER
COMP	COMPRESSOR
CT	CONTROL TRANSFORMER
FLM	FLAME SENSOR
GL	GROUND LUG
GV	GROUND
GAS	GAS VALVE
HPC	HIGH PRESSURE CONTROL
IDM	INDOOR BLOWER MOTOR
IFC	INDUCED DRAFT
IFC	INTEGRATED FURNACE CONTROL
HGS	HOT GAS SENSOR
LAC	LOW AMBIENT COOLING CONTROL

**DIAGNOSTICS**

- FLASH - FAILED TO DETECT OR SUSTAIN FLAME
- FLASH - PRESSURE SWITCH OR INDUOOR PROBLEM DETECTED
- FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN
- FLASH - FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND "W" SIGNAL
- FLASH - FLAME ROLL OUT SWITCH OPEN

**WIRING INFORMATION**

LINE VOLTAGE  
 -FACTORY STANDARD  
 -FACTORY OPTION  
 -FIELD INSTALLED

LOW VOLTAGE  
 -FACTORY STANDARD  
 -FIELD INSTALLED

REPLACEMENT WIRE  
 -MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (1005 C MIN.)

WARNING  
 -CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

**NOTES:**

- MAIN UNIT TRANSFORMER PRIMARY LEADS: RED-COMMON BLUE-208 V BLACK-230 V INTERCHANGE BLACK & BLUE LEADS FOR 208 V TRANSFORMER OPERATION.
- POTIONS & COMPRESSOR THERMALLY PROTECTED. CONDUCTORS ONLY APPLICABLE FOR USE WITH COPPER.
- CONNECT FIELD WIRING IN GROUNDED RAIN-TIGHT.
- CONDUIT TO 60 HZ FUSED DISCONNECT.
- LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH HEAT SUPPLIED.
- REPLACEMENT FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.

**WIRE COLOR CODE**

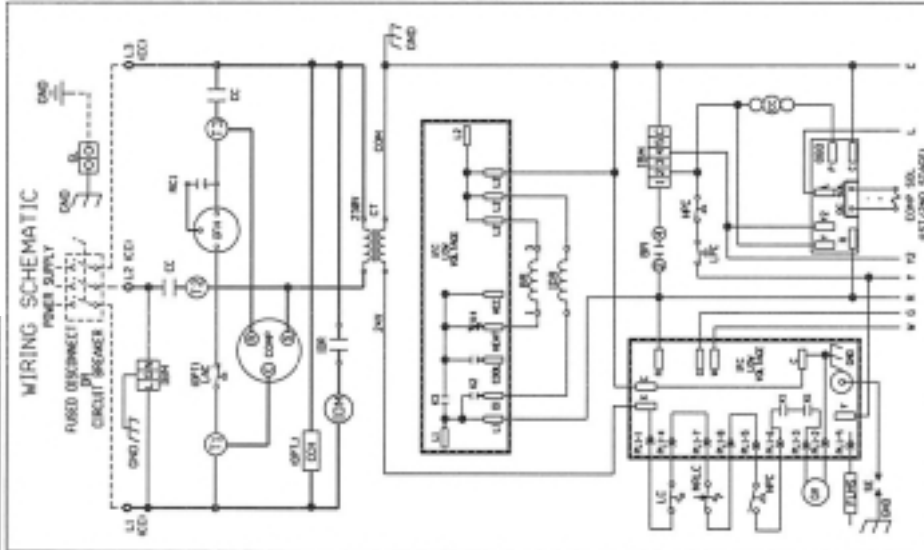
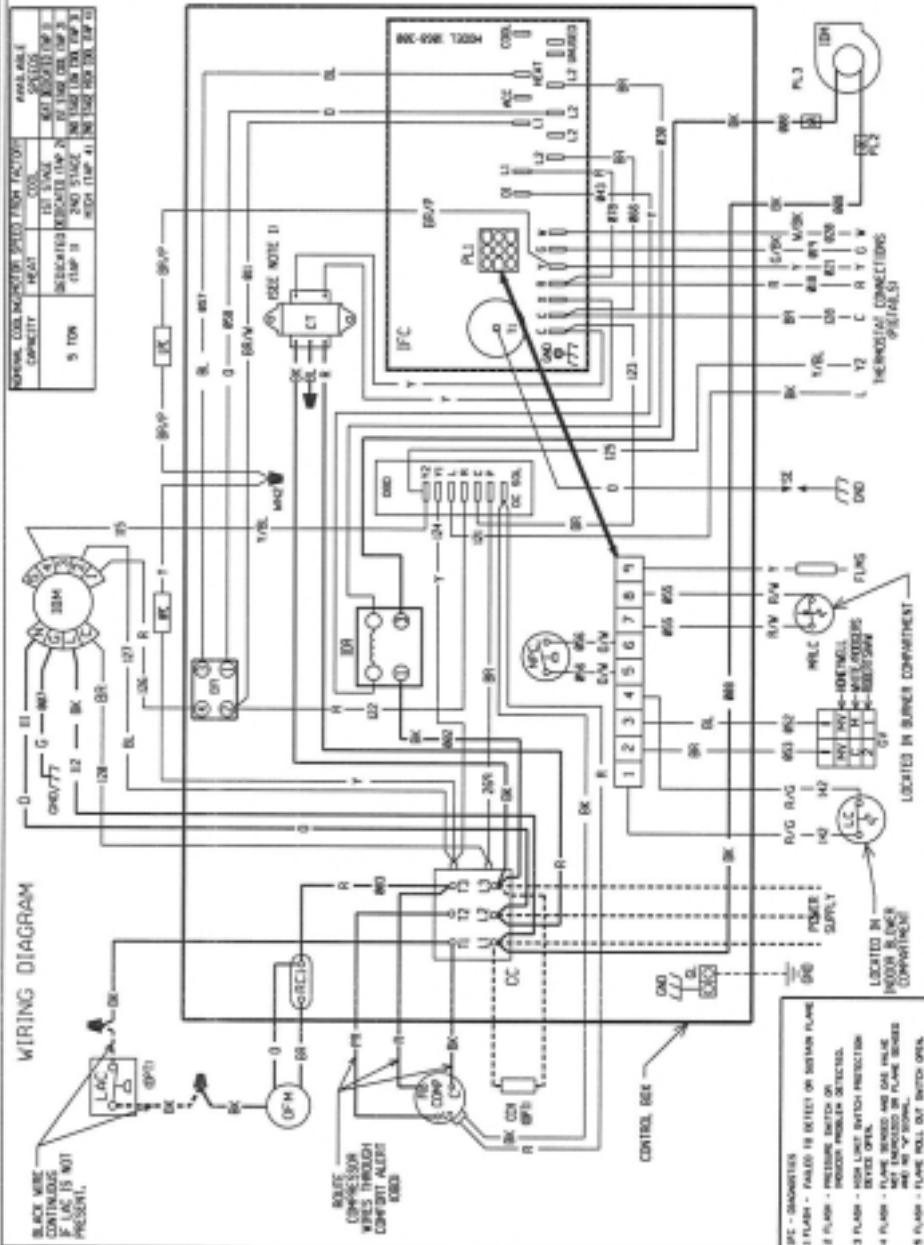
BK	BLACK	GY	GRAY	R	RED
BR	BROWN	O	ORANGE	W	WHITE
BL	BLUE	PK	PINK	Y	YELLOW
G	GREEN	PR	PURPLE		

**ELECTRICAL WIRING DIAGRAM**  
 2.0-5.0 TON SINGLE STAGE GAS/ELECTRIC W/X-13 BLOWER MOTOR AND INTEGRATED FURNACE CONTROL 208/230V, 1 - PHASE

DWG. NO. **90-23626-11**

REV **07**





**WIRING INFORMATION**

LINE VOLTAGE  
 -FACTORY STANDARD  
 -FACTORY OPTION  
 -FIELD INSTALLED

LOW VOLTAGE  
 -FACTORY STANDARD  
 -FACTORY OPTION  
 -FIELD INSTALLED

REPLACEMENT WIRE  
 -MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (100% C MIN.)  
 -WARNING  
 -CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

**WIRE COLOR CODE**

BK BLACK  
 BR BROWN  
 BL BLUE  
 G GREEN  
 GR GRAY  
 O ORANGE  
 PK PINK  
 PR PURPLE  
 R RED  
 W WHITE  
 Y YELLOW

**ELECTRICAL WIRING DIAGRAM**  
 5.0 TON GAS/ELECTRIC  
 2-STAGE COMPRESSOR AND  
 INTEGRATED FURNACE CONTROL  
 460V, 3 - PHASE

REV BY DATE DRG. NO. 90-23626-19 00

**NOTES:**

- CONTROL TRANSFORMER REMAINS LEADABLE - COMMON BK/RO - 100V 60 HZ / 300V 50 HZ, BK/RO - 575V 60 HZ / 415V 50 HZ.
- COMPRESSOR MOTOR THERMALLY PROTECTED, ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- CONNECT FIELD WIRING IN GROUNDED PAINTIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
- LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER 24 VOLT, 60/60 HERTZ SUPPLIED.
- REPLACEMENT FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.

**COMPONENT CODE**

BR BLOWER RELAY  
 CL COMPRESSOR CONTACTOR  
 CM COMPRESSOR HEATER  
 CN CONDENSOR  
 CT CONTROL TRANSFORMER  
 FLG FLAME SENSOR  
 GND GROUND LUG  
 GAS GAS VALVE  
 HPC HIGH PRESSURE CONTROL  
 IMB INDUCED DRAFT MOTOR  
 ICM INDUCED DRAFT MOTOR  
 IOK INDUCED DRAFT RELAY  
 IFC INTEGRATED FURNACE CONTROL

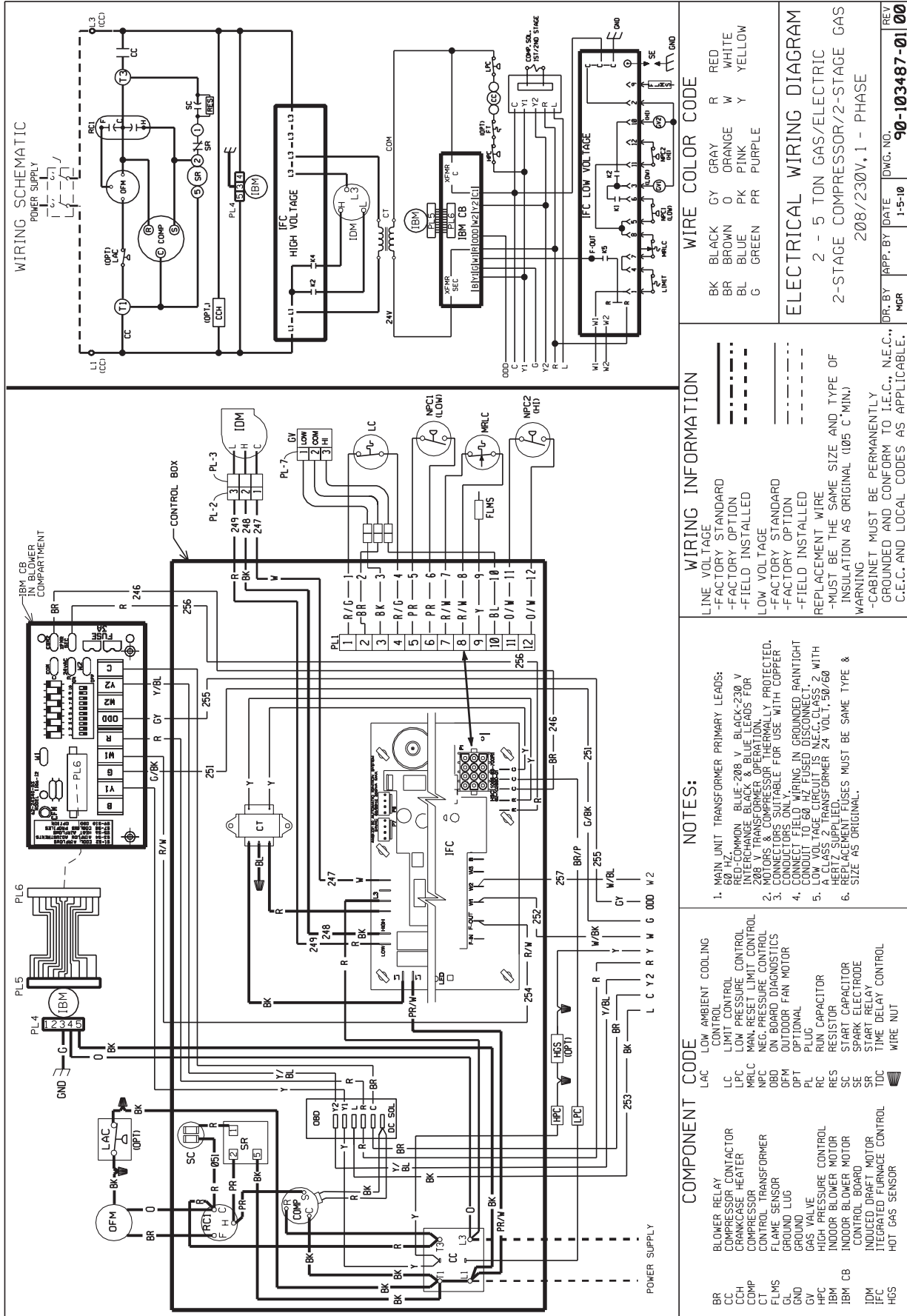
LAC LOW AMBIENT COOLING CONTROL  
 LC LIMIT CONTROL  
 LPC LOW PRESSURE CONTROL  
 MRLC MAIN RESET LIMIT CONTROL  
 MPC NEG. PRESSURE CONTROL  
 GBD ON BOARD DIAGNOSTICS  
 GFM OUTDOOR FAN MOTOR  
 GPT OPTIONAL  
 PL FLG  
 RC RUN CAPACITOR  
 SC START RELAY  
 SE SPARK ELECTRODE  
 SR START RELAY  
 WIRE NUT

IFC - DIAGNOSTICS  
 IFURN - FURNACE IS DEFECTIVE OR SUSPECT FLAME  
 IFLAME - PRESSURE SWITCH OR PRESSURE PROBLEM DETECTED  
 IFLAME - NO FLAME SWITCH PROTECTION  
 IFLAME - NO FLAME SWITCH PROTECTION  
 IFLAME - FLAME SENSORS ARE GAS VALVE AND NOT W/ NORMAL  
 IFLAME - FLAME ROLL OUT SWITCH OPEN

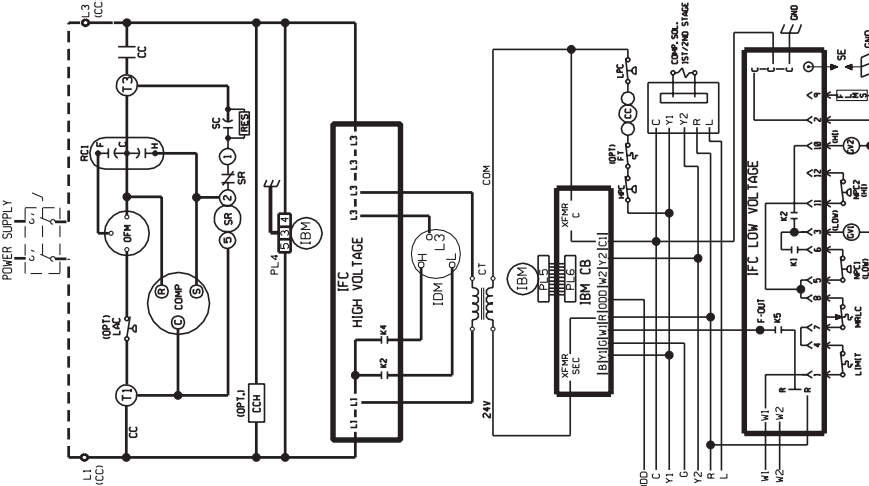
LOCATED IN BLOWER COMPARTMENT  
 LOCATED IN MAIN BLOWER COMPARTMENT







WIRING SCHEMATIC



**WIRE COLOR CODE**

BK	BLACK	CY	GRAY	R	RED
BR	BROWN	O	ORANGE	W	WHITE
BL	BLUE	PK	PINK	Y	YELLOW
G	GREEN	PR	PURPLE		

**ELECTRICAL WIRING DIAGRAM**  
2 - 5 TON GAS/ELECTRIC  
2-STAGE COMPRESSOR/2-STAGE GAS  
208/230V, 1 - PHASE

DR. BY: MGR    APP. BY: DATE: 1-5-10    DWG. NO.: 90-103487-01    REV: 00

**WIRING INFORMATION**

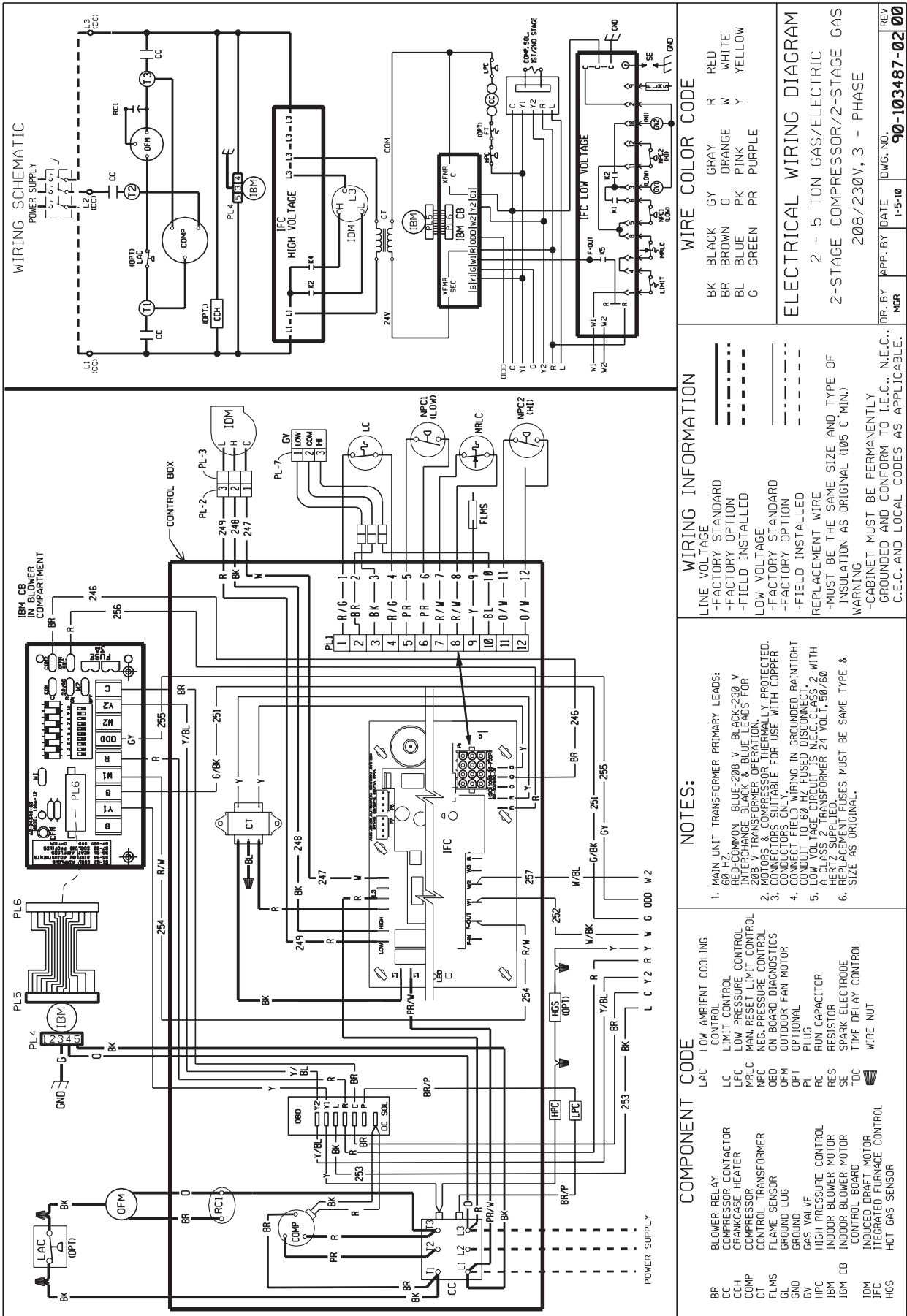
LINE VOLTAGE  
-FACTORY STANDARD  
-FACTORY OPTION  
-FIELD INSTALLED  
LOW VOLTAGE  
-FACTORY STANDARD  
-FIELD INSTALLED  
-FIELD INSTALLED  
REPLACEMENT WIRE  
-MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C MIN.)  
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

**NOTES:**

1. MAIN UNIT TRANSFORMER PRIMARY LEADS: RED - COMMON BLUE-208 V. BLACK-230 V INTERCHANGE BLACK & BLUE LEADS FOR 208 V TRANSFORMER OPERATION.
2. MOTORS & COMPRESSOR THERMALLY PROTECTED. CONNECTORS SUITABLE FOR USE WITH COPPER.
3. CONNECT FIELD WIRING IN GROUNDED RAIN-TIGHT CONDUIT TO 60 HZ WIRING DISCONNECT.
4. A CLASS 2 TRANSFORMER 24 VOLT, 50/60 HZ REPAIRMENT USES MUST BE SAME TYPE & SIZE AS ORIGINAL.

**COMPONENT CODE**

BR	BLOWER RELAY	LAC	LOW AMBIENT COOLING CONTROL
CC	COMPRESSOR CONTACTOR	LPC	LOW PRESSURE CONTROL
CC	CHAMBRASE HEATER	LPC	LOW PRESSURE CONTROL
CC	COMPRESSOR	MRLC	MOTOR RELAY CONTROL
CC	CONTROL TRANSFORMER	NPC	NEG. PRESSURE CONTROL
FLMS	FLAME SENSOR	ODD	ON BOARD DIAGNOSTICS
FLMS	FLAME SENSOR	OFM	OUTDOOR FAN MOTOR
FLMS	FLAME SENSOR	OPT	OPTIONAL
FLMS	FLAME SENSOR	PLG	PLUG
FLMS	FLAME SENSOR	RC	RUN CAPACITOR
FLMS	FLAME SENSOR	RES	RESISTOR
FLMS	FLAME SENSOR	SC	START CAPACITOR
FLMS	FLAME SENSOR	SC	SPARK ELECTRODE
FLMS	FLAME SENSOR	SR	START RELAY
FLMS	FLAME SENSOR	TRC	TIME DELAY CONTROL
FLMS	FLAME SENSOR	WLN	WIRE NUT



WIRING SCHEMATIC

POWER SUPPLY

IBM CB

HIGH VOLTAGE

IFC

LOW VOLTAGE

COMP

OFM

LAC

CT

IBM

IFC

LOW VOLTAGE

COMP

OFM

LAC

CT

IBM

IFC

LOW VOLTAGE

COMP

OFM

LAC

CT

IBM

IFC

LOW VOLTAGE

COMP

OFM

LAC

CT

IBM

IFC

LOW VOLTAGE

COMP

OFM

LAC

CT

IBM

IFC

LOW VOLTAGE

COMP

OFM

LAC

### WIRE COLOR CODE

BK	BLACK	GY	GRAY	R	RED
BR	BROWN	O	ORANGE	W	WHITE
BL	BLUE	PK	PINK	Y	YELLOW
G	GREEN	PR	PURPLE		

### ELECTRICAL WIRING DIAGRAM

2 - 5 TON GAS/ELECTRIC  
2-STAGE COMPRESSOR/2-STAGE GAS  
208/230V, 3 - PHASE

DR. BY DATE  
MGR 1-5-10

DWG. NO. **90-103487-02** REV **00**

### WIRING INFORMATION

- LINE VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED
- LOW VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED
- REPLACE WIRE
- MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C-MIN.)
- WARNING
- CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

### NOTES:

1. MAIN UNIT TRANSFORMER PRIMARY LEADS: RED-COMMON BLUE-208 V BLACK-230 V INTERCHANGE BLACK & BLUE LEADS FOR 208 V TRANSFORMER OPERATION.
2. CONDENSER & COMPRESSOR ARE RELIABLY PROTECTED. CONDENSER IS NOT PROTECTED FOR USE WITH COPPER CONDUCTORS ONLY.
3. CONNECT FIELD WIRING IN GROUNDED RAINIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
4. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH 40 VOLT TRANSFORMER 24 VOLT, 50/60 HZ.
5. REPLACE FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.

### COMPONENT CODE

BR	BLOWER RELAY	LAC	LOW AMBIENT COOLING CONTROL
CC	COMPRESSOR CONTACTOR	LC	LIMIT CONTROL
CH	CRANKCASE HEATER	LPC	LOW PRESSURE CONTROL
COMP	COMPRESSOR	MRLC	MAN RESET LIMIT CONTROL
CT	CONTROL TRANSFORMER	NPC	NEG PRESSURE CONTROL
FLMS	FLAME SENSOR	OBD	ON BOARD DIAGNOSTICS
GL	GROUND LUG	OFM	OUTDOOR FAN MOTOR
GV	GAS VALVE	OPT	OPTIONAL
HPC	HIGH PRESSURE CONTROL	PL	PLUG
IBM	INDOOR BLOWER MOTOR	RC	RUN CAPACITOR
IBM CB	INDOOR BLOWER MOTOR CONTROL BOARD	RES	RESISTOR
IDM	INDUCED DRAFT MOTOR	SE	SPARK ELECTRODE
IFC	INTEGRATED FURNACE CONTROL	TDC	TIME DELAY CONTROL
HGS	HOT GAS SENSOR	WIRE NUT	

**BEFORE PURCHASING THIS APPLIANCE, READ IMPORTANT ENERGY COST AND EFFICIENCY INFORMATION AVAILABLE FROM YOUR RETAILER.**

**GENERAL TERMS OF LIMITED WARRANTY**

Rheem will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

**Heat Exchanger**

- Factory Standard .....Ten (10) Years
- Stainless Steel/1-Phase & 3-Phase Models
- Commercial Application .....Twenty (20) Years
- Stainless Steel/1-Phase Models
- Residential Application.....Limited Lifetime

**\*For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.**

**Compressor:**

- 13, 14 & 16 SEER 1 & 3-Phase Models
- (Commercial Applications).....Five (5) Years
- 13, 14 & 16 SEER 1-Phase Models
- (Residential Applications) .....Ten (10) Years
- Any Other Part**
- 16 SEER 1-Phase Models
- (Residential Applications) .....Ten (10) Years
- 13 & 14 SEER Conditional Parts\*
- (Registration Required –
- Residential Applications) .....Ten (10) Years
- 1 & 3-Phase Models
- (Commercial Applications) .....One (1) Year

**Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.**

**Rheem Heating,  
Cooling and  
Water Heating**

P.O. Box 17010, Fort Smith, AR 72917



*"In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice."*