



PACKAGE GAS ELECTRIC UNITS

FORM NO. R11-838 REV. 7
Supersedes Form No. R11-838 Rev. 6

RRNA- SUPER HIGH EFFICIENCY 13-SEER SERIES NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

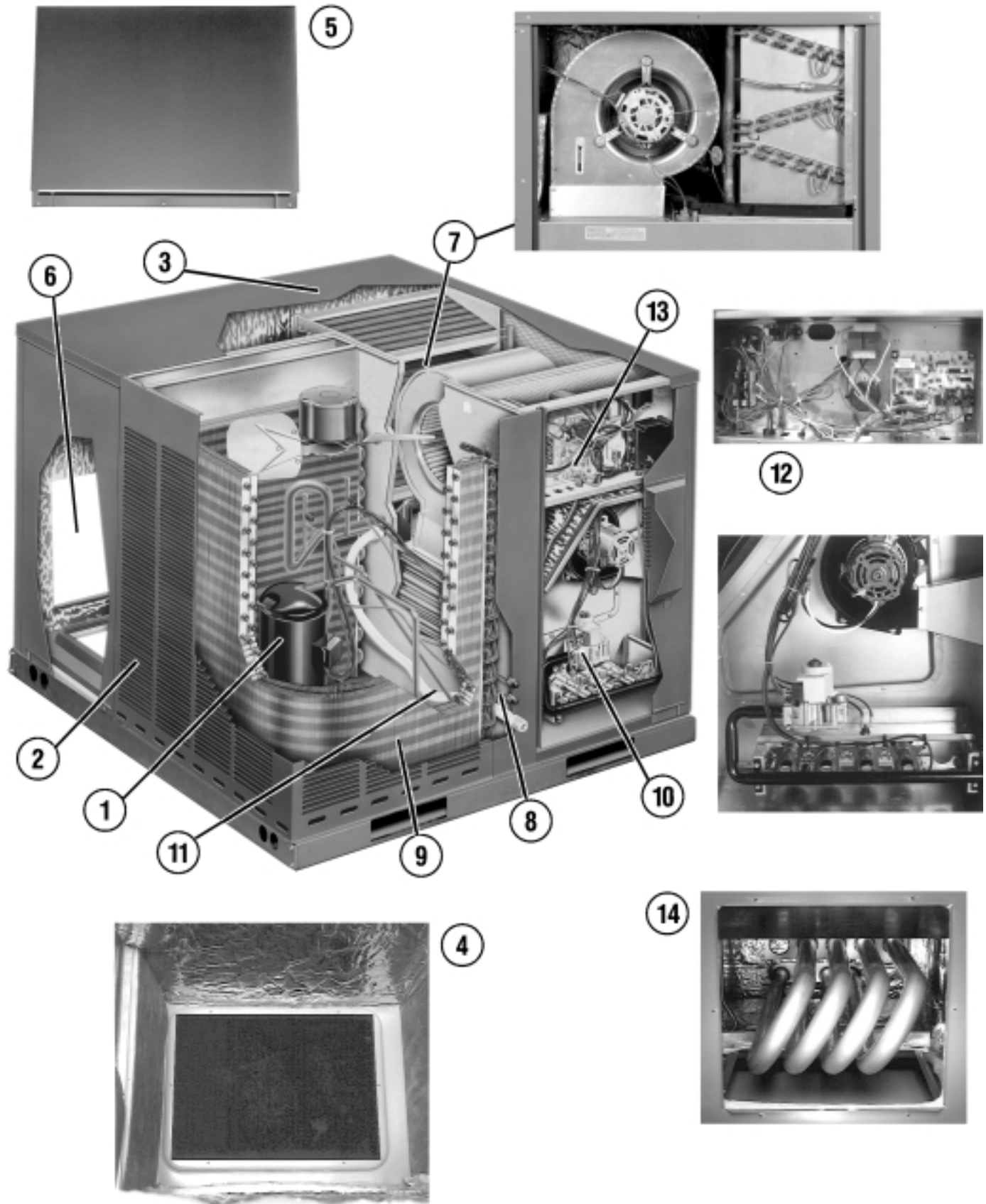




Unit Features & Benefits	3-4
Model Identification Options	5-6
General Data	
RRNA- Series	7-15
General Data Notes	16
Performance Data	
RRNA- Series	17-19
Airflow Performance	
RRNA- Series	20-22
Electrical Data	
RRNA- Series	23
Dimensional Data	24-25
Typical Installations	26
Accessories	27-35
Typical Wiring	36-40
Limited Warranty	44



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.
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.
7. Easily accessible blower section complete with slide-out blower. All units feature a system matched coil with low static pressure drop and excellent cooling capacities.
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 makes installation even easier.
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.



MODEL IDENTIFICATION—RRNA- SERIES



R R N A — B 036 J K 10 E X X

Factory Installed Options
(See Next Page)

Ignition System
E = Electric
X = Electric No_x

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

Design Series
B = 2nd Design
C = 3rd Design

Efficiency Designation
N = 13 SEER Super High Efficiency

Product Classification
R = Rooftop

Tradebrand
R = Rheem

[] Designates Metric Conversions



Instructions for Factory Installed Option(s) Selection

Note: Two 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 *two-character* option code from the FACTORY INSTALLED OPTION SELECTION TABLE.

FACTORY INSTALLED OPTION CODES

Option Code	Stainless Steel Heat Exchanger	Side Flow
AA		
AJA	X	
AKA		X
BVA	X	X

“X” indicates factory installed option.

Example: No Option

RRNA-036JK08E

Example: Option with Stainless Steel Heat Exchanger and Sideflow

RRNA-036JK08EBVA

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



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

Model RRNA- Series	B024JK04(E/X)	B024JK06(E/X)	B024JK08(E/X)	B030JK04(E/X)
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	24,800 [7.27]	24,800 [7.27]	24,800 [7.27]	31,200 [9.14]
EER/SEER ²	11.8/13	11.8/13	11.8/13	11.1/13
Nominal CFM/ARI Rated CFM [L/s]	800/800 [378/378]	800/800 [378/378]	800/800 [378/378]	1000/1000 [472/472]
ARI Net Cooling Capacity Btu [kW]	24,000 [7.03]	24,000 [7.03]	24,000 [7.03]	30,000 [8.79]
Net Sensible Capacity Btu [kW]	17,170 [5.03]	17,170 [5.03]	17,170 [5.03]	20,980 [6.15]
Net Latent Capacity Btu [kW]	6,830 [2]	6,830 [2]	6,830 [2]	9,020 [2.64]
Net System Power kW	2.04	2.04	2.04	2.7
Heating Performance (Gas)³				
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 (%) ⁴	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]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁵	76	76	76	76
Outdoor Coil—Fin Type	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]
Indoor Coil—Fin 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]	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]
Outdoor Fan—Type	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
Indoor Fan—Type	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
Filter—Type	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]
Refrigerant Charge Oz. [g]	69.6 [1973]	69.6 [1973]	69.6 [1973]	72 [2041]
Weights				
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 16 for Notes.

[] Designates Metric Conversions



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

Model RRNA- Series	B030JK06(E/X)	B030JK08(E/X)	B030JK10(E/X)	B030CK04
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	31,200 [9.14]	31,200 [9.14]	31,200 [9.14]	37,400 [10.96]
EER/SEER ²	11.1/13	11.1/13	11.1/13	11.7/13
Nominal CFM/ARI Rated CFM [L/s]	1000/1000 [472/472]	1000/1000 [472/472]	1000/1000 [472/472]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	30,000 [8.79]	30,000 [8.79]	30,000 [8.79]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	20,980 [6.15]	20,980 [6.15]	20,980 [6.15]	25,740 [7.54]
Net Latent Capacity Btu [kW]	9,020 [2.64]	9,020 [2.64]	9,020 [2.64]	10,260 [3.01]
Net System Power kW	2.7	2.7	2.7	3.07
Heating Performance (Gas)³				
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 (%) ⁴	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]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁵	76	76	76	76
Outdoor Coil—Fin Type	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]
Indoor Coil—Fin 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]	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]
Outdoor Fan—Type	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
Indoor Fan—Type	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
Filter—Type	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]
Refrigerant Charge Oz. [g]	72 [2041]	72 [2041]	72 [2041]	83.2 [2359]
Weights				
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 16 for Notes.

[] Designates Metric Conversions



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

Model RRNA- Series	B036CK06	B036CK08	B036CK10	B036DK06
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]
EER/SEER ²	11.7/13	11.7/13	11.7/13	11.7/13
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI 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]	25,740 [7.54]	25,740 [7.54]	25,740 [7.54]	25,740 [7.54]
Net Latent Capacity Btu [kW]	10,260 [3.01]	10,260 [3.01]	10,260 [3.01]	10,260 [3.01]
Net System Power kW	3.07	3.07	3.07	3.07
Heating Performance (Gas)³				
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 (%) ⁴	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]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁵	76	76	76	76
Outdoor Coil—Fin Type	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]
Indoor Coil—Fin 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]	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]
Outdoor Fan—Type	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
Indoor Fan—Type	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
Filter—Type	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]
Refrigerant Charge Oz. [g]	83.2 [2359]	83.2 [2359]	83.2 [2359]	83.2 [2359]
Weights				
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 16 for Notes.

[] Designates Metric Conversions



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

Model RRNA- Series	B036DK08	B036DK10	B036JK04(E/X)	B036JK06(E/X)
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]
EER/SEER ²	11.7/13	11.7/13	11.7/13	11.7/13
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI 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]	25,740 [7.54]	25,740 [7.54]	25,740 [7.54]	25,740 [7.54]
Net Latent Capacity Btu [kW]	10,260 [3.01]	10,260 [3.01]	10,260 [3.01]	10,260 [3.01]
Net System Power kW	3.07	3.07	3.07	3.07
Heating Performance (Gas)³				
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 (%) ⁴	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]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁵	76	76	76	76
Outdoor Coil—Fin Type	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]
Indoor Coil—Fin 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]	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]
Outdoor Fan—Type	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
Indoor Fan—Type	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
Filter—Type	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]
Refrigerant Charge Oz. [g]	83.2 [2359]	83.2 [2359]	83.2 [2359]	83.2 [2359]
Weights				
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 16 for Notes.

[] Designates Metric Conversions



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

Model RRNA- Series	B036JK08(E/X)	B036JK10(E/X)	B042CK04	B042CK06
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,400 [10.96]	37,400 [10.96]	42,500 [12.45]	42,500 [12.45]
EER/SEER ²	11.7/13	11.7/13	11.5/13	11.5/13
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1400/1350 [661/637]	1400/1350 [661/637]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	41,000 [12.01]	41,000 [12.01]
Net Sensible Capacity Btu [kW]	25,740 [7.54]	25,740 [7.54]	28,510 [8.35]	28,510 [8.35]
Net Latent Capacity Btu [kW]	10,260 [3.01]	10,260 [3.01]	12,490 [3.66]	12,490 [3.66]
Net System Power kW	3.07	3.07	3.57	3.57
Heating Performance (Gas)³				
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 (%) ⁴	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]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁵	76	76	76	76
Outdoor Coil—Fin Type	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]
Indoor Coil—Fin 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]	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]
Outdoor Fan—Type	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
Indoor Fan—Type	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
Filter—Type	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]
Refrigerant Charge Oz. [g]	83.2 [2359]	83.2 [2359]	104 [2948]	104 [2948]
Weights				
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 16 for Notes.

[] Designates Metric Conversions



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

Model RRNA- Series	B042CK08	B042CK10	B042JK04(E/X)	B042JK06(E/X)
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]
EER/SEER ²	11.5/13	11.5/13	11.5/13	11.5/13
Nominal CFM/ARI Rated CFM [L/s]	1400/1350 [661/637]	1400/1350 [661/637]	1400/1350 [661/637]	1400/1350 [661/637]
ARI Net Cooling Capacity Btu [kW]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]
Net Sensible Capacity Btu [kW]	28,510 [8.35]	28,510 [8.35]	28,510 [8.35]	28,510 [8.35]
Net Latent Capacity Btu [kW]	12,490 [3.66]	12,490 [3.66]	12,490 [3.66]	12,490 [3.66]
Net System Power kW	3.57	3.57	3.57	3.57
Heating Performance (Gas)³				
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 (%) ⁴	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]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁵	76	76	76	76
Outdoor Coil—Fin Type	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]
Indoor Coil—Fin 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]
Outdoor Fan—Type	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
Indoor Fan—Type	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
Filter—Type	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]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	104 [2948]	104 [2948]
Weights				
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 16 for Notes.

[] Designates Metric Conversions



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

Model RRNA- Series	B042JK08(E/X)	B042JK10(E/X)	C048CK06	C048CK08
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	50,000 [14.65]	50,000 [14.65]
EER/SEER ²	11.5/13	11.5/13	11.4/13	11.4/13
Nominal CFM/ARI Rated CFM [L/s]	1400/1350 [661/637]	1400/1350 [661/637]	1600/1550 [755/731]	1600/1550 [755/731]
ARI Net Cooling Capacity Btu [kW]	41,000 [12.01]	41,000 [12.01]	48,000 [14.06]	48,000 [14.06]
Net Sensible Capacity Btu [kW]	28,510 [8.35]	28,510 [8.35]	34,020 [9.97]	34,020 [9.97]
Net Latent Capacity Btu [kW]	12,490 [3.66]	12,490 [3.66]	13,980 [4.1]	13,980 [4.1]
Net System Power kW	3.57	3.57	4.18	4.18
Heating Performance (Gas)³				
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 (%) ⁴	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]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁵	76	76	78	78
Outdoor Coil—Fin Type	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]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin 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]
Outdoor Fan—Type	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
Indoor Fan—Type	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	1050	1050
Motor Frame Size	48	48	48	48
Filter—Type	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]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	97.6 [2767]	97.6 [2767]
Weights				
Net Weight lbs. [kg]	432 [196]	437 [198]	481 [218]	486 [220]
Ship Weight lbs. [kg]	472 [214]	477 [216]	492 [223]	497 [225]

See Page 16 for Notes.

[] Designates Metric Conversions



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

Model RRNA- Series	C048CK10	B048DK10	C048JK06(E/X)	C048JK08(E/X)
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.65]	50,500 [14.8]	50,000 [14.65]	50,000 [14.65]
EER/SEER ²	11.4/13	11.6/13	11.4/13	11.4/13
Nominal CFM/ARI Rated CFM [L/s]	1600/1550 [755/731]	1600/1600 [755/755]	1600/1550 [755/731]	1600/1550 [755/731]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.06]	48,500 [14.21]	48,000 [14.06]	48,000 [14.06]
Net Sensible Capacity Btu [kW]	34,020 [9.97]	34,520 [10.11]	34,020 [9.97]	34,020 [9.97]
Net Latent Capacity Btu [kW]	13,980 [4.1]	13,980 [4.1]	13,980 [4.1]	13,980 [4.1]
Net System Power kW	4.18	4.18	4.18	4.18
Heating Performance (Gas)³				
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 (%) ⁴	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]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁵	78	78	78	78
Outdoor Coil—Fin Type	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]	1 / 22 [9]	2 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin 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]
Outdoor Fan—Type	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
Indoor Fan—Type	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	1050	1075	1050	1050
Motor Frame Size	48	48	48	48
Filter—Type	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]
Refrigerant Charge Oz. [g]	97.6 [2767]	153.6 [4355]	97.6 [2767]	97.6 [2767]
Weights				
Net Weight lbs. [kg]	491 [223]	491 [223]	490 [222]	495 [225]
Ship Weight lbs. [kg]	502 [228]	502 [228]	501 [227]	506 [230]

See Page 16 for Notes.

[] Designates Metric Conversions



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

Model RRNA- Series	C048JK10(E/X)	C060CK10	B060DK10	C060JK10(E/X)
Cooling Performance¹				
Gross Cooling Capacity Btu [kW]	50,000 [14.65]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
EER/SEER ²	11.4/13	11.1/13	10.8/12.1	11.1/13
Nominal CFM/ARI Rated CFM [L/s]	1600/1550 [755/731]	2000/1850 [944/873]	2000/1850 [944/873]	2000/1850 [944/873]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.06]	58,000 [16.99]	57,500 [16.85]	58,000 [16.99]
Net Sensible Capacity Btu [kW]	34,020 [9.97]	40,560 [11.88]	40,170 [11.77]	40,560 [11.88]
Net Latent Capacity Btu [kW]	13,980 [4.1]	17,440 [5.11]	17,330 [5.08]	17,440 [5.11]
Net System Power kW	4.18	5.2	5.31	5.2
Heating Performance (Gas)³				
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 (%) ⁴	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]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁵				
	78	78	78	78
Outdoor Coil—Fin Type				
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]	1 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type				
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]
Outdoor Fan—Type				
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
Indoor Fan—Type				
FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/12x9 [305x229]	1/10x9 [254x229]	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	3/4	1
Motor RPM	1050	1075	1075	1075
Motor Frame Size	48	48	48	48
Filter—Type				
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]
Refrigerant Charge Oz. [g]				
	97.6 [2767]	145.6 [4128]	145.6 [4128]	145.6 [4128]
Weights				
Net Weight lbs. [kg]	500 [227]	540 [245]	532 [241]	540 [245]
Ship Weight lbs. [kg]	511 [232]	585 [265]	577 [262]	585 [265]

See Page 16 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. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to $\pm 20\%$ of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on ARI Standard 210/240 or 360.
2. EER and/or SEER are rated at ARI 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 ARI Standard 270.



SYSTEMS PERFORMANCE—RRNA- SERIES

GROSS SYSTEMS PERFORMANCE DATA—RRNA-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		.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	28.9 [8.47] 16.2 [4.75] 1.4	28.4 [8.32] 15.4 [4.51] 1.3	27.6 [8.09] 14.4 [4.22] 1.3	27.3 [8.00] 19.5 [5.71] 1.3	26.8 [7.85] 18.6 [5.45] 1.3	26.1 [7.65] 17.3 [5.07] 1.3	25.0 [7.33] 22.0 [6.45] 1.3	24.6 [7.21] 21.1 [6.18] 1.3	23.9 [7.00] 19.6 [5.74] 1.3
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	28.9 [8.47] 16.1 [4.72] 1.5	28.4 [8.32] 15.4 [4.51] 1.5	27.6 [8.09] 14.3 [4.19] 1.4	27.2 [7.97] 19.5 [5.71] 1.5	26.8 [7.85] 18.6 [5.45] 1.4	26.0 [7.62] 17.3 [5.07] 1.4	25.0 [7.33] 22.0 [6.45] 1.4	24.5 [7.18] 21.0 [6.15] 1.4	23.9 [7.00] 19.6 [5.74] 1.4
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	28.5 [8.35] 16.0 [4.69] 1.6	28.0 [8.21] 15.3 [4.48] 1.6	27.2 [7.97] 14.2 [4.16] 1.5	26.9 [7.88] 19.3 [5.66] 1.6	26.4 [7.74] 18.5 [5.42] 1.6	25.7 [7.53] 17.2 [5.04] 1.5	24.6 [7.21] 21.9 [6.42] 1.5	24.1 [7.06] 20.9 [6.13] 1.5	23.5 [6.89] 19.5 [5.71] 1.5
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	27.8 [8.15] 15.8 [4.63] 1.7	27.3 [8.00] 15.1 [4.43] 1.7	26.6 [7.80] 14.0 [4.10] 1.7	26.2 [7.68] 19.1 [5.60] 1.7	25.7 [7.53] 18.3 [5.36] 1.7	25.0 [7.33] 17.0 [4.98] 1.7	23.9 [7.00] 21.7 [6.36] 1.6	23.5 [6.89] 20.7 [6.07] 1.6	22.8 [6.68] 19.3 [5.66] 1.6
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	27.0 [7.91] 15.5 [4.54] 1.8	26.5 [7.77] 14.8 [4.34] 1.8	25.8 [7.56] 13.8 [4.04] 1.8	25.3 [7.41] 18.9 [5.54] 1.8	24.8 [7.27] 18.0 [5.28] 1.8	24.2 [7.09] 16.8 [4.92] 1.8	23.0 [6.74] 21.4 [6.27] 1.8	22.6 [6.62] 20.5 [6.01] 1.7	22.0 [6.45] 19.0 [5.57] 1.7
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	26.0 [7.62] 15.2 [4.45] 1.9	25.5 [7.47] 14.5 [4.25] 1.9	24.8 [7.27] 13.5 [3.96] 1.9	24.3 [7.12] 18.5 [5.42] 1.9	23.9 [7.00] 17.7 [5.19] 1.9	23.2 [6.80] 16.4 [4.81] 1.9	22.1 [6.48] 21.1 [6.18] 1.9	21.7 [6.36] 20.1 [5.89] 1.9	21.1 [6.18] 18.7 [5.48] 1.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	25.0 [7.33] 14.7 [4.31] 2.0	24.5 [7.18] 14.1 [4.13] 2.0	23.9 [7.00] 13.1 [3.84] 2.0	23.3 [6.83] 18.1 [5.30] 2.0	22.9 [6.71] 17.3 [5.07] 2.0	22.3 [6.54] 16.1 [4.72] 2.0	21.1 [6.18] 20.6 [6.04] 2.0	20.7 [6.07] 19.7 [5.77] 2.0	20.1 [5.89] 18.3 [5.36] 1.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	24.1 [7.06] 14.3 [4.19] 2.1	23.7 [6.95] 13.6 [3.99] 2.1	23.0 [6.74] 12.7 [3.72] 2.1	22.4 [6.56] 17.6 [5.16] 2.1	22.0 [6.45] 16.8 [4.92] 2.1	21.4 [6.27] 15.6 [4.57] 2.1	20.2 [5.92] 20.1 [5.89] 2.1	19.8 [5.80] 19.2 [5.63] 2.1	19.3 [5.66] 17.9 [5.25] 2.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	23.3 [6.83] 13.7 [4.02] 2.3	22.9 [6.71] 13.1 [3.84] 2.2	22.3 [6.54] 12.2 [3.58] 2.2	21.7 [6.36] 17.0 [4.98] 2.3	21.3 [6.24] 16.3 [4.78] 2.2	20.7 [6.07] 15.1 [4.43] 2.2	19.4 [5.69] 19.4 [5.69] 2.2	19.1 [5.60] 18.7 [5.48] 2.2	18.5 [5.42] 17.4 [5.10] 2.2

GROSS SYSTEMS PERFORMANCE DATA—RRNA-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		.24	.23	.21	.24	.23	.21	.24	.23	.21	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	37.6 [11.02] 21.3 [6.24] 1.9	36.9 [10.81] 20.3 [5.95] 1.9	35.9 [10.52] 18.9 [5.54] 1.9	35.0 [10.26] 25.2 [7.39] 1.9	34.4 [10.08] 24.1 [7.06] 1.9	33.4 [9.79] 22.4 [6.56] 1.9	33.6 [9.85] 27.2 [7.97] 1.9	33.0 [9.67] 26.0 [7.62] 1.9	32.1 [9.41] 24.2 [7.09] 1.9
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	37.1 [10.87] 20.8 [6.10] 2.1	36.4 [10.67] 19.9 [5.83] 2.0	35.4 [10.37] 18.5 [5.42] 2.0	34.5 [10.11] 24.7 [7.24] 2.0	33.9 [9.94] 23.6 [6.92] 2.0	32.9 [9.64] 22.0 [6.45] 2.0	33.1 [9.70] 26.7 [7.83] 2.0	32.5 [9.52] 25.5 [7.47] 2.0	31.6 [9.26] 23.8 [6.98] 2.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	36.3 [10.64] 20.3 [5.95] 2.2	35.6 [10.43] 19.4 [5.69] 2.2	34.7 [10.17] 18.0 [5.28] 2.1	33.7 [9.88] 24.2 [7.09] 2.2	33.1 [9.70] 23.1 [6.77] 2.1	32.2 [9.44] 21.5 [6.30] 2.1	32.3 [9.47] 26.2 [7.68] 2.1	31.7 [9.29] 25.1 [7.36] 2.1	30.9 [9.06] 23.3 [6.83] 2.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	35.3 [10.35] 19.8 [5.80] 2.3	34.7 [10.17] 18.9 [5.54] 2.3	33.8 [9.91] 17.6 [5.16] 2.2	32.8 [9.61] 23.7 [6.95] 2.3	32.2 [9.44] 22.6 [6.62] 2.2	31.3 [9.17] 21.1 [6.18] 2.2	31.4 [9.20] 25.7 [7.53] 2.3	30.8 [9.03] 24.6 [7.21] 2.2	30.0 [8.79] 22.9 [6.71] 2.2
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	34.3 [10.05] 19.3 [5.66] 2.4	33.7 [9.88] 18.4 [5.39] 2.4	32.8 [9.61] 17.1 [5.01] 2.4	31.7 [9.29] 23.2 [6.80] 2.4	31.2 [9.14] 22.1 [6.48] 2.4	30.3 [8.88] 20.6 [6.04] 2.3	30.3 [8.88] 25.2 [7.39] 2.4	29.8 [8.73] 24.1 [7.06] 2.4	29.0 [8.50] 22.4 [6.56] 2.3
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	33.2 [9.73] 18.7 [5.48] 2.5	32.6 [9.55] 17.9 [5.25] 2.5	31.7 [9.29] 16.6 [4.86] 2.5	30.6 [8.97] 22.7 [6.65] 2.5	30.1 [8.82] 21.6 [6.33] 2.5	29.3 [8.59] 20.1 [5.89] 2.4	29.2 [8.56] 24.7 [7.24] 2.5	28.7 [8.41] 23.6 [6.92] 2.5	27.9 [8.18] 21.9 [6.42] 2.4
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	32.1 [9.41] 18.2 [5.33] 2.6	31.6 [9.26] 17.4 [5.10] 2.6	30.7 [9.00] 16.2 [4.75] 2.6	29.6 [8.67] 22.1 [6.48] 2.6	29.0 [8.50] 21.2 [6.21] 2.6	28.3 [8.29] 19.7 [5.77] 2.6	28.2 [8.26] 24.2 [7.09] 2.6	27.7 [8.12] 23.1 [6.77] 2.6	26.9 [7.88] 21.5 [6.30] 2.5
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	31.2 [9.14] 17.7 [5.19] 2.7	30.6 [8.97] 16.9 [4.95] 2.7	29.8 [8.73] 15.7 [4.60] 2.7	28.6 [8.38] 21.6 [6.33] 2.7	28.1 [8.24] 20.7 [6.07] 2.7	27.3 [8.00] 19.2 [5.63] 2.7	27.2 [7.97] 23.7 [6.95] 2.7	26.7 [7.83] 22.6 [6.62] 2.7	26.0 [7.62] 21.0 [6.15] 2.7
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	30.4 [8.91] 17.2 [5.04] 2.9	29.8 [8.73] 16.5 [4.84] 2.8	29.0 [8.50] 15.3 [4.48] 2.8	27.8 [8.15] 21.1 [6.18] 2.8	27.3 [8.00] 20.2 [5.92] 2.8	26.6 [7.80] 18.8 [5.51] 2.8	26.4 [7.74] 23.2 [6.80] 2.8	25.9 [7.59] 22.1 [6.48] 2.8	25.2 [7.39] 20.6 [6.04] 2.8

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—RRNA-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]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	
DR ①		.21	.20	.17	.21	.20	.17	.21	.20	.17	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	44.4 [13.01] 25.5 [7.47] 2.2	43.6 [12.78] 24.4 [7.15] 2.1	42.4 [12.43] 22.7 [6.65] 2.1	41.3 [12.10] 30.4 [8.91] 2.1	40.6 [11.90] 29.1 [8.53] 2.1	39.5 [11.58] 27.0 [7.91] 2.1	39.6 [11.61] 31.4 [9.20] 2.1	38.9 [11.40] 30.0 [8.79] 2.1	37.8 [11.08] 27.9 [8.18] 2.1
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	43.6 [12.78] 25.0 [7.33] 2.3	42.8 [12.54] 23.9 [7.00] 2.3	41.7 [12.22] 22.2 [6.51] 2.2	40.5 [11.87] 29.9 [8.76] 2.3	39.8 [11.66] 28.6 [8.38] 2.3	38.7 [11.34] 26.6 [7.80] 2.2	38.7 [11.34] 30.8 [9.03] 2.3	38.0 [11.14] 29.5 [8.65] 2.3	37.0 [10.84] 27.4 [8.03] 2.2
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	42.8 [12.54] 24.5 [7.18] 2.4	42.1 [12.34] 23.4 [6.86] 2.4	40.9 [11.99] 21.8 [6.39] 2.4	39.7 [11.63] 29.4 [8.62] 2.4	39.0 [11.43] 28.1 [8.24] 2.4	38.0 [11.14] 26.1 [7.65] 2.4	38.0 [11.14] 30.3 [8.88] 2.4	37.3 [10.93] 29.0 [8.50] 2.4	36.3 [10.64] 27.0 [7.91] 2.4
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	42.0 [12.31] 24.0 [7.03] 2.6	41.3 [12.10] 22.9 [6.71] 2.5	40.2 [11.78] 21.3 [6.24] 2.5	38.9 [11.40] 28.9 [8.47] 2.6	38.3 [11.22] 27.6 [8.09] 2.5	37.2 [10.90] 25.7 [7.53] 2.5	37.2 [10.90] 29.9 [8.76] 2.5	36.5 [10.70] 28.5 [8.35] 2.5	35.5 [10.40] 26.5 [7.77] 2.5
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	41.1 [12.05] 23.5 [6.89] 2.7	40.4 [11.84] 22.4 [6.56] 2.7	39.3 [11.52] 20.9 [6.13] 2.6	38.0 [11.14] 28.4 [8.32] 2.7	37.4 [10.96] 27.1 [7.94] 2.7	36.3 [10.64] 25.2 [7.39] 2.6	36.3 [10.64] 29.3 [8.59] 2.7	35.6 [10.43] 28.0 [8.21] 2.7	34.7 [10.17] 26.0 [7.62] 2.6
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	40.0 [11.72] 22.8 [6.68] 2.8	39.3 [11.52] 21.8 [6.39] 2.8	38.2 [11.20] 20.3 [5.95] 2.8	36.9 [10.81] 27.7 [8.12] 2.8	36.3 [10.64] 26.5 [7.77] 2.8	35.3 [10.35] 24.6 [7.21] 2.8	35.2 [10.32] 28.7 [8.41] 2.8	34.5 [10.11] 27.4 [8.03] 2.8	33.6 [9.85] 25.5 [7.47] 2.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	38.6 [11.31] 22.1 [6.48] 3.0	37.9 [11.11] 21.1 [6.18] 3.0	36.9 [10.81] 19.6 [5.74] 2.9	35.5 [10.40] 26.9 [7.88] 3.0	34.9 [10.23] 25.7 [7.53] 2.9	33.9 [9.94] 23.9 [7.00] 2.9	33.8 [9.91] 27.9 [8.18] 3.0	33.2 [9.73] 26.6 [7.80] 2.9	32.3 [9.47] 24.8 [7.27] 2.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	36.9 [10.81] 21.1 [6.18] 3.1	36.2 [10.61] 20.1 [5.89] 3.1	35.2 [10.32] 18.7 [5.48] 3.1	33.8 [9.91] 26.0 [7.62] 3.1	33.1 [9.70] 24.8 [7.27] 3.1	32.2 [9.44] 23.1 [6.77] 3.0	32.0 [9.38] 26.9 [7.88] 3.1	31.4 [9.20] 25.7 [7.53] 3.1	30.6 [8.97] 23.9 [7.00] 3.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	34.6 [10.14] 19.9 [5.83] 3.3	34.0 [9.96] 19.0 [5.57] 3.2	33.1 [9.70] 17.7 [5.19] 3.2	31.5 [9.23] 24.8 [7.27] 3.2	30.9 [9.06] 23.7 [6.95] 3.2	30.1 [8.82] 22.0 [6.45] 3.2	29.7 [8.70] 25.7 [7.53] 3.2	29.2 [8.56] 24.6 [7.21] 3.2	28.4 [8.32] 22.9 [6.71] 3.2

GROSS SYSTEMS PERFORMANCE DATA—RRNA-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]		880 [415]	800 [378]	680 [321]	880 [415]	800 [378]	680 [321]	880 [415]	800 [378]	680 [321]	
DR ①		.24	.23	.21	.24	.23	.21	.24	.23	.21	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	51.1 [14.98] 28.1 [8.24] 2.6	50.2 [14.71] 26.9 [7.88] 2.6	48.8 [14.30] 25.0 [7.33] 2.5	47.7 [13.98] 33.4 [9.79] 2.5	46.9 [13.75] 31.9 [9.35] 2.5	45.6 [13.36] 29.7 [8.70] 2.5	45.2 [13.25] 37.9 [11.11] 2.5	44.3 [12.98] 36.2 [10.61] 2.5	43.1 [12.63] 33.6 [9.85] 2.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	50.1 [14.68] 27.9 [8.18] 2.7	49.2 [14.42] 26.7 [7.83] 2.7	47.8 [14.01] 24.8 [7.27] 2.7	46.7 [13.69] 33.2 [9.73] 2.7	45.9 [13.45] 31.7 [9.29] 2.7	44.6 [13.07] 29.5 [8.65] 2.6	44.1 [12.92] 37.6 [11.02] 2.7	43.3 [12.69] 36.0 [10.55] 2.7	42.2 [12.37] 33.5 [9.82] 2.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	49.0 [14.36] 27.5 [8.06] 2.9	48.1 [14.10] 26.3 [7.71] 2.8	46.8 [13.72] 24.5 [7.18] 2.8	45.6 [13.36] 32.8 [9.61] 2.8	44.8 [13.13] 31.3 [9.17] 2.8	43.6 [12.78] 29.1 [8.53] 2.8	43.1 [12.63] 37.2 [10.90] 2.8	42.3 [12.40] 35.6 [10.43] 2.8	41.1 [12.05] 33.1 [9.70] 2.8
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	47.9 [14.04] 27.0 [7.91] 3.0	47.0 [13.77] 25.8 [7.56] 3.0	45.8 [13.42] 24.0 [7.03] 2.9	44.5 [13.04] 32.2 [9.44] 3.0	43.7 [12.81] 30.8 [9.03] 3.0	42.5 [12.46] 28.6 [8.38] 2.9	42.0 [12.31] 36.7 [10.76] 3.0	41.2 [12.07] 35.0 [10.26] 2.9	40.1 [11.75] 32.6 [9.55] 2.9
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	46.8 [13.72] 26.3 [7.71] 3.2	45.9 [13.45] 25.1 [7.36] 3.1	44.7 [13.10] 23.4 [6.86] 3.1	43.4 [12.72] 31.5 [9.23] 3.1	42.6 [12.48] 30.1 [8.82] 3.1	41.4 [12.13] 28.0 [8.21] 3.1	40.8 [11.96] 36.0 [10.55] 3.1	40.1 [11.75] 34.4 [10.08] 3.1	39.0 [11.43] 32.0 [9.38] 3.0
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	45.6 [13.36] 25.6 [7.50] 3.3	44.8 [13.13] 24.4 [7.15] 3.3	43.6 [12.78] 22.7 [6.65] 3.2	42.2 [12.37] 30.8 [9.03] 3.3	41.5 [12.16] 29.4 [8.62] 3.2	40.4 [11.84] 27.4 [8.03] 3.2	39.7 [11.63] 35.3 [10.35] 3.3	39.0 [11.43] 33.7 [9.88] 3.2	37.9 [11.11] 31.3 [9.17] 3.2
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	44.5 [13.04] 24.8 [7.27] 3.4	43.7 [12.81] 23.7 [6.95] 3.4	42.5 [12.46] 22.1 [6.48] 3.4	41.1 [12.05] 30.1 [8.82] 3.4	40.4 [11.84] 28.7 [8.41] 3.4	39.3 [11.52] 26.7 [7.83] 3.3	38.6 [11.31] 34.5 [10.11] 3.4	37.9 [11.11] 33.0 [9.67] 3.4	36.8 [10.79] 30.7 [9.00] 3.3
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	43.4 [12.72] 24.2 [7.09] 3.6	42.6 [12.48] 23.1 [6.77] 3.6	41.5 [12.16] 21.5 [6.30] 3.5	40.0 [11.72] 29.4 [8.62] 3.6	39.3 [11.52] 28.1 [8.24] 3.5	38.2 [11.20] 26.1 [7.65] 3.5	37.5 [10.99] 33.9 [9.94] 3.5	36.8 [10.79] 32.4 [9.50] 3.5	35.8 [10.49] 30.1 [8.82] 3.5
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	42.3 [12.40] 23.6 [6.92] 3.7	41.6 [12.19] 22.5 [6.59] 3.7	40.4 [11.84] 21.0 [6.15] 3.7	39.0 [11.43] 28.8 [8.44] 3.7	38.3 [11.22] 27.5 [8.06] 3.7	37.2 [10.90] 25.6 [7.50] 3.6	36.4 [10.67] 33.3 [9.76] 3.7	35.7 [10.46] 31.8 [9.32] 3.7	34.8 [10.20] 29.6 [8.67] 3.6

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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RRNA- SERIES

GROSS SYSTEMS PERFORMANCE DATA—RRNA-B048/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]	1360 [642]	1760 [831]	1600 [755]	1360 [642]	1760 [831]	1600 [755]	1360 [642]	
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	60.8 [17.82] 36.3 [10.64] 2.9	59.7 [17.50] 34.7 [10.17] 2.9	58.1 [17.03] 32.3 [9.47] 2.9	56.4 [16.53] 41.5 [12.16] 2.9	55.4 [16.24] 39.7 [11.63] 2.9	53.9 [15.80] 36.9 [10.81] 2.9	53.1 [15.56] 48.2 [14.13] 2.9	52.2 [15.30] 46.0 [13.48] 2.8	50.8 [14.89] 42.8 [12.54] 2.8
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	59.9 [17.55] 35.2 [10.32] 3.1	58.8 [17.23] 33.7 [9.88] 3.1	57.2 [16.76] 31.3 [9.17] 3.0	55.5 [16.27] 40.4 [11.84] 3.1	54.5 [15.97] 38.6 [11.31] 3.1	53.0 [15.53] 35.9 [10.52] 3.0	52.3 [15.33] 47.1 [13.80] 3.0	51.3 [15.03] 45.0 [13.19] 3.0	49.9 [14.62] 41.8 [12.25] 3.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	58.8 [17.23] 34.3 [10.05] 3.3	57.7 [16.91] 32.8 [9.61] 3.2	56.1 [16.44] 30.5 [8.94] 3.2	54.4 [15.94] 39.5 [11.58] 3.3	53.4 [15.65] 37.7 [11.05] 3.2	51.9 [15.21] 35.1 [10.29] 3.2	51.1 [14.98] 46.1 [13.51] 3.2	50.2 [14.71] 44.1 [12.92] 3.2	48.8 [14.30] 41.0 [12.02] 3.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	57.4 [16.82] 33.5 [9.82] 3.4	56.4 [16.53] 32.0 [9.38] 3.4	54.8 [16.06] 29.8 [8.73] 3.4	53.0 [15.53] 38.7 [11.34] 3.4	52.0 [15.24] 37.0 [10.84] 3.4	50.6 [14.83] 34.4 [10.08] 3.4	49.7 [14.57] 45.3 [13.28] 3.4	48.8 [14.30] 43.4 [12.72] 3.3	47.5 [13.92] 40.3 [11.81] 3.3
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	55.9 [16.38] 33.1 [9.70] 3.6	54.9 [16.09] 31.6 [9.26] 3.6	53.4 [15.65] 29.4 [8.62] 3.5	51.5 [15.09] 38.3 [11.22] 3.6	50.6 [14.83] 36.6 [10.73] 3.6	49.2 [14.42] 34.0 [9.96] 3.5	48.2 [14.13] 45.0 [13.19] 3.5	47.4 [13.89] 42.9 [12.57] 3.5	46.1 [13.51] 39.9 [11.69] 3.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	54.3 [15.91] 33.0 [9.67] 3.8	53.3 [15.62] 31.5 [9.23] 3.7	51.9 [15.21] 29.3 [8.59] 3.7	49.9 [14.62] 38.2 [11.20] 3.8	49.0 [14.36] 36.5 [10.70] 3.7	47.7 [13.98] 34.0 [9.96] 3.7	46.7 [13.69] 45.0 [13.19] 3.7	45.8 [13.42] 42.9 [12.57] 3.7	44.6 [13.07] 39.9 [11.69] 3.6
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	52.8 [15.47] 33.4 [9.79] 3.9	51.8 [15.18] 31.9 [9.35] 3.9	50.4 [14.77] 29.7 [8.70] 3.9	48.4 [14.18] 38.6 [11.31] 3.9	47.5 [13.92] 36.9 [10.81] 3.9	46.2 [13.54] 34.3 [10.05] 3.9	45.1 [13.22] 45.1 [13.22] 3.9	44.3 [12.98] 43.2 [12.66] 3.9	43.1 [12.63] 40.2 [11.78] 3.8
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	51.3 [15.03] 34.4 [10.08] 4.1	50.4 [14.77] 32.9 [9.64] 4.1	49.0 [14.36] 30.6 [8.97] 4.0	46.9 [13.75] 39.6 [11.61] 4.1	46.1 [13.51] 37.8 [11.08] 4.1	44.8 [13.13] 35.2 [10.32] 4.0	43.6 [12.78] 43.6 [12.78] 4.1	42.9 [12.57] 42.9 [12.57] 4.0	41.7 [12.22] 41.1 [12.05] 4.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	50.0 [14.65] 36.0 [10.55] 4.3	49.1 [14.39] 34.4 [10.08] 4.2	47.8 [14.01] 32.0 [9.38] 4.2	45.6 [13.36] 41.2 [12.07] 4.3	44.8 [13.13] 39.4 [11.55] 4.3	43.6 [12.78] 36.6 [10.73] 4.2	42.3 [12.40] 42.3 [12.40] 4.2	41.6 [12.19] 41.6 [12.19] 4.2	40.4 [11.84] 40.4 [11.84] 4.1

GROSS SYSTEMS PERFORMANCE DATA—RRNA-B060/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]	1570 [741]	2040 [963]	1850 [873]	1570 [741]	2040 [963]	1850 [873]	1570 [741]	
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	69.8 [20.46] 41.5 [12.16] 3.9	68.6 [20.10] 39.7 [11.63] 3.8	66.7 [19.55] 36.9 [10.81] 3.8	66.2 [19.40] 48.8 [14.30] 3.8	65.0 [19.05] 46.7 [13.69] 3.7	63.2 [18.52] 43.4 [12.72] 3.7	63.7 [18.67] 53.0 [15.53] 3.7	62.5 [18.32] 50.6 [14.83] 3.7	60.8 [17.82] 47.1 [13.80] 3.7
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	69.5 [20.37] 40.4 [11.84] 4.1	68.2 [19.99] 38.6 [11.31] 4.0	66.4 [19.46] 35.9 [10.52] 4.0	65.8 [19.28] 47.8 [14.01] 4.0	64.6 [18.93] 45.6 [13.36] 4.0	62.9 [18.43] 42.4 [12.43] 3.9	63.3 [18.55] 51.9 [15.21] 3.9	62.2 [18.23] 49.6 [14.54] 3.9	60.5 [17.73] 46.1 [13.51] 3.9
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	68.4 [20.05] 39.4 [11.55] 4.3	67.2 [19.69] 37.6 [11.02] 4.3	65.3 [19.14] 35.0 [10.26] 4.2	64.7 [18.96] 46.7 [13.69] 4.2	63.6 [18.64] 44.6 [13.07] 4.2	61.8 [18.11] 41.5 [12.16] 4.1	62.2 [18.23] 50.9 [14.92] 4.2	61.1 [17.91] 48.6 [14.24] 4.1	59.4 [17.41] 45.2 [13.25] 4.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	66.7 [19.55] 38.3 [11.22] 4.5	65.5 [19.20] 36.6 [10.73] 4.5	63.8 [18.70] 34.0 [9.96] 4.4	63.1 [18.49] 45.7 [13.39] 4.4	61.9 [18.14] 43.6 [12.78] 4.4	60.2 [17.64] 40.6 [11.90] 4.3	60.5 [17.73] 49.8 [14.59] 4.4	59.5 [17.44] 47.6 [13.95] 4.3	57.8 [16.94] 44.3 [12.98] 4.3
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	64.7 [18.96] 37.3 [10.93] 4.7	63.6 [18.64] 35.6 [10.43] 4.7	61.8 [18.11] 33.1 [9.70] 4.6	61.1 [17.91] 44.6 [13.07] 4.6	60.0 [17.58] 42.6 [12.48] 4.6	58.3 [17.09] 39.7 [11.63] 4.5	58.5 [17.14] 48.8 [14.30] 4.6	57.5 [16.85] 46.6 [13.66] 4.5	55.9 [16.38] 43.4 [12.72] 4.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	62.6 [18.35] 36.3 [10.64] 4.9	61.5 [18.02] 34.7 [10.17] 4.9	59.8 [17.53] 32.3 [9.47] 4.8	58.9 [17.26] 43.6 [12.78] 4.8	57.9 [16.97] 41.7 [12.22] 4.8	56.3 [16.50] 38.8 [11.37] 4.7	56.4 [16.53] 47.8 [14.01] 4.8	55.4 [16.24] 45.7 [13.39] 4.8	53.9 [15.80] 42.5 [12.46] 4.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	60.5 [17.73] 35.3 [10.35] 5.1	59.4 [17.41] 33.8 [9.91] 5.1	57.8 [16.94] 31.4 [9.20] 5.0	56.9 [16.68] 42.7 [12.51] 5.1	55.8 [16.35] 40.8 [11.96] 5.0	54.3 [15.91] 37.9 [11.11] 4.9	54.3 [15.91] 46.9 [13.75] 5.0	53.4 [15.65] 44.8 [13.13] 5.0	51.9 [15.21] 41.6 [12.19] 4.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	58.7 [17.20] 34.4 [10.08] 5.3	57.7 [16.91] 32.9 [9.64] 5.3	56.1 [16.44] 30.6 [8.97] 5.2	55.1 [16.15] 41.8 [12.25] 5.3	54.1 [15.86] 39.9 [11.69] 5.2	52.6 [15.42] 37.1 [10.87] 5.2	52.5 [15.39] 45.9 [13.45] 5.2	51.6 [15.12] 43.9 [12.87] 5.2	50.2 [14.71] 40.8 [11.96] 5.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	57.4 [16.82] 33.5 [9.82] 5.6	56.4 [16.53] 32.0 [9.38] 5.5	54.8 [16.06] 29.8 [8.73] 5.4	53.7 [15.74] 40.9 [11.99] 5.5	52.8 [15.47] 39.1 [11.46] 5.4	51.3 [15.03] 36.3 [10.64] 5.4	51.2 [15.01] 45.0 [13.19] 5.4	50.3 [14.74] 43.0 [12.60] 5.4	48.9 [14.33] 40.0 [11.72] 5.3

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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE—RRNA- SERIES



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	CFM [L/s] Air Delivery/RPM/Watts—208 Volts Side Discharge—Wet Coil							
	Cool	Heat				External Static Pressure—Inches W.C. [kPa]							
						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]	
2.0 [7.03]	High	Low	40,000 [11.72]	9 x 7 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] 80,000 [23.45]			CFM [L/s]	898 [424]	861 [406]	822 [388]	777 [367]	721 [340]	651 [307]	562 [265]
2.5 [8.79]	Low	Low	All Inputs	10 x 9 1/2 HP [373] 3 Speed PSC Motor	Low	CFM [L/s]	1076 [508]	1059 [500]	1032 [490]	996 [470]	950 [448]	896 [423]	832 [393]
		Watts				730	775	820	865	905	940	975	
	Med.	Low				40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [L/s]	1222 [577]	1197 [565]	1179 [556]	1162 [548]	1137 [537]	1097 [518]
3.0 [10.55]	Med.	Low	All Inputs	10 x 9 1/2 HP [373] 3 Speed PSC Motor	Med.	CFM [L/s]	765	810	855	890	920	960	995
		Watts				423	415	407	397	386	370	351	
	High	High				100,000 [29.31]	CFM [L/s]	1514 [715]	1461 [670]	1415 [668]	1370 [647]	1322 [624]	1266 [597]
3.5 [12.31]	High	Low	All Inputs	10 x 9 1/2 HP [373] 3 Speed PSC Motor	High	CFM [L/s]	895	930	965	985	1005	1025	1045
		Watts				538	514	493	473	454	434	412	
	Heat	Heat				60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [L/s]	1454 [686]	1433 [676]	1392 [657]	1354 [639]	1322 [624]	1283 [606]
4.0 [14.07]	High	Heat	All Inputs	10 x 9 3/4 HP [559] 3 Speed X-13 Motor	Heat Dedicated (Tap 1)	CFM [L/s]	923	946	976	1015	1044	1085	1126
		Watts				301	309	316	327	337	348	356	
	High	High				60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [L/s]	1642 [775]	1621 [765]	1584 [748]	1542 [728]	1496 [706]	1451 [685]
5.0 [17.59]	High	Heat	All Inputs	12 x 9 1 HP [746] 3 Speed X-13 Motor	Low Cool (Tap 2)	CFM [L/s]	1006	1022	1064	1090	1114	1151	1160
		Watts				405	412	422	435	442	449	440	
	High	High				100,000 [29.31]	CFM [L/s]	1896 [895]	1863 [879]	1776 [838]	1694 [799]	1603 [757]	1528 [721]
5.0 [17.59]	High	Heat	All Inputs	12 x 9 1 HP [746] 3 Speed X-13 Motor	High Cool (Tap 3)	CFM [L/s]	1146	1147	1159	1171	1173	1180	1188
		Watts				624	614	583	554	522	497	467	
	High	High				60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [L/s]	1418 [669]	1386 [654]	1352 [638]	1307 [617]	1270 [599]	1221 [576]
5.0 [17.59]	High	Heat	All Inputs	12 x 9 1 HP [746] 3 Speed X-13 Motor	Dedicated (Tap 1)	CFM [L/s]	774	794	829	860	892	922	955
		Watts				267	273	287	295	308	316	328	
	High	High				60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [L/s]	1858 [877]	1821 [859]	1782 [841]	1752 [827]	1714 [809]	1678 [792]
5.0 [17.59]	High	Heat	All Inputs	12 x 9 1 HP [746] 3 Speed X-13 Motor	Low Cool (Tap 2)	CFM [L/s]	944	968	994	1019	1041	1072	1089
		Watts				541	555	564	578	586	598	611	
	High	High				60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [L/s]	2017 [952]	1985 [937]	1949 [920]	1909 [901]	1879 [887]	1843 [870]
5.0 [17.59]	High	Heat	All Inputs	12 x 9 1 HP [746] 3 Speed X-13 Motor	High Cool (Tap 3)	CFM [L/s]	1018	1033	1070	1076	1112	1124	1147
		Watts				690	701	711	723	735	741	742	
	High	High				60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	CFM [L/s]	1418 [669]	1386 [654]	1352 [638]	1307 [617]	1270 [599]	1221 [576]

NOTE: On 4 and 5 ton models, cooling speed must be changed to Low Cool to achieve ARI Performance.

[] Designates Metric Conversions

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] .07 [.017] .1 [.025] .12 [.030] .15 [.037] .17 [.042]
MINIMUM RECOMMENDED FILTER SIZES	
Nominal Cooling Capacity Tons [kW]	2.0 [7.03] 2.5 [8.79]—4.0 [14.07]
Minimum Filter Size—Inches [mm]	20 x 20 x 1 [508 x 508 x 25] 24 x 24 x 1 [610 x 610 x 25] 24 x 30 x 1 [610 x 762 x 1]



INDOOR AIRFLOW PERFORMANCE—230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	CFM [L/s] Air Delivery/RPM/Watts—230 Volts Side Discharge—Wet Coil							
	Cool	Heat				External Static Pressure—Inches W.C. [kPa]							
						0.1 [0.2]	0.2 [0.5]	0.3 [0.7]	0.4 [1.0]	0.5 [1.2]	0.6 [1.5]	0.7 [1.7]	
2.0 [7.03]	High	Low	40,000 [11.72]	9 x 7 1/3 HP [249] 3 Speed PSC Motor	Low	CFM [L/s]	771 [364]	751 [354]	725 [342]	691 [326]	645 [304]	584 [276]	546 [258]
						RPM	825	870	910	950	985	1010	1030
	High	High	60,000 [17.58]	830 [392]	769 [363]	701 [331]	630 [297]	1100					
2.5 [8.79]	Low	Low	All Inputs	10 x 9 1/2 HP [373] 3 Speed PSC Motor	Low	CFM [L/s]	1206 [569]	1182 [558]	1157 [546]	1128 [532]	1091 [515]	1044 [493]	983 [464]
						RPM	760	815	870	910	950	975	1000
	Med.	Med.	80,000 [23.45]	100,000 [29.31]	1035	1050	1065	1080					
3.0 [10.55]	Med.	Med.	All Inputs	10 x 9 1/2 HP [373] 3 Speed PSC Motor	Med.	CFM [L/s]	1411 [666]	1368 [646]	1327 [626]	1285 [606]	1238 [584]	1183 [558]	1116 [527]
						RPM	865	900	935	970	1000	1020	1035
	High	High	100,000 [29.31]	1577 [744]	1515 [715]	1455 [687]	1393 [657]	1329 [627]	1262 [596]				
3.5 [12.31]	High	High	All Inputs	10 x 9 1/2 HP [373] 3 Speed PSC Motor	High	CFM [L/s]	1641 [774]	1577 [744]	1515 [715]	1455 [687]	1393 [657]	1329 [627]	1262 [596]
						RPM	980	1000	1020	1035	1050	1065	1080
	Med.	Med.	80,000 [23.45]	100,000 [29.31]	543	503	481	456	431	391			
4.0 [14.07]	High	Heat (Tap 1)	All Inputs	10 x 9 3/4 HP [559] 3 Speed X-13 Motor	Heat Dedicated (Tap 1)	CFM [L/s]	1459 [689]	1438 [679]	1409 [665]	1371 [647]	1337 [631]	1296 [612]	1258 [594]
						RPM	931	958	993	1031	1058	1097	1133
	High	High	60,000 [17.58]	100,000 [29.31]	308	319	331	339	349	362	373		
5.0 [17.59]	High	Heat (Tap 1)	All Inputs	10 x 9 3/4 HP [559] 3 Speed X-13 Motor	Low Cool (Tap 2)	CFM [L/s]	1662 [784]	1607 [758]	1607 [758]	1579 [745]	1538 [726]	1477 [697]	1392 [657]
						RPM	1016	1037	1072	1098	1129	1156	1169
	High	High	80,000 [23.45]	100,000 [29.31]	421	429	443	453	465	465	446		
5.0 [17.59]	High	Heat (Tap 1)	All Inputs	10 x 9 3/4 HP [559] 3 Speed X-13 Motor	High Cool (Tap 3)	CFM [L/s]	1910 [901]	1873 [884]	1798 [849]	1715 [809]	1621 [765]	1536 [725]	1422 [671]
						RPM	1149	1160	1163	1169	1175	1187	1184
	High	High	60,000 [17.58]	100,000 [29.31]	638	625	601	571	536	506	469		
5.0 [17.59]	High	Heat (Tap 1)	All Inputs	10 x 9 3/4 HP [559] 3 Speed X-13 Motor	Heat Dedicated (Tap 1)	CFM [L/s]	1423 [672]	1390 [656]	1357 [640]	1311 [619]	1277 [603]	1233 [582]	1192 [563]
						RPM	776	796	830	861	895	927	958
	High	High	60,000 [17.58]	100,000 [29.31]	272	278	292	300	315	326	337		
5.0 [17.59]	High	Heat (Tap 1)	All Inputs	10 x 9 3/4 HP [559] 3 Speed X-13 Motor	Low Cool (Tap 2)	CFM [L/s]	1872 [883]	1847 [872]	1808 [853]	1772 [836]	1743 [823]	1703 [804]	1670 [788]
						RPM	956	973	1010	1023	1057	1085	1110
	High	High	80,000 [23.45]	100,000 [29.31]	562	572	584	598	613	622	636		
5.0 [17.59]	High	Heat (Tap 1)	All Inputs	10 x 9 3/4 HP [559] 3 Speed X-13 Motor	High Cool (Tap 3)	CFM [L/s]	2046 [966]	2010 [949]	1980 [934]	1942 [917]	1904 [899]	1867 [881]	1822 [860]
						RPM	1035	1046	1079	1086	1114	1141	1171
	High	High	60,000 [17.58]	100,000 [29.31]	721	731	743	754	770	777	770		

NOTE: On 4 and 5 ton models, cooling speed must be changed to Low Cool to achieve ARI Performance.

[] Designates Metric Conversions



INDOOR AIRFLOW PERFORMANCE—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	CFM [L/s] Air Delivery/RPM/Watts—460 Volts Side Discharge—Wet Coil							
	Cool	Heat				External Static Pressure—Inches W.C. [kPa]							
						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]	
3.0 [10.55]	Med	Low	60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 1/2 HP [373] 3 Speed PSC Motor	Low	CFM [L/s]	1206 [569]	1182 [558]	1157 [546]	1128 [532]	1091 [515]	1044 [493]	983 [464]
						RPM	760	815	870	910	950	975	1000
						Watts	419	406	394	381	368	353	334
	High	Med				CFM [L/s]	1411 [666]	1388 [646]	1327 [626]	1285 [606]	1238 [584]	1183 [558]	1116 [527]
						RPM	865	900	935	970	1000	1020	1035
						Watts	498	498	481	464	447	431	391
4.0 [14.07]	High	Low	80,000 [23.45] 100,000 [29.31]	10 x 9 3/4 HP [559] 3 Speed PSC Motor	Low	CFM [L/s]	1641 [774]	1577 [744]	1515 [715]	1455 [687]	1393 [657]	1329 [627]	1262 [596]
						RPM	980	1000	1020	1035	1050	1065	1080
						Watts	589	565	543	523	503	481	456
	Med	High				CFM [L/s]	1412 [666]	1395 [658]	1371 [647]	1339 [632]	1296 [612]	1242 [586]	1176 [555]
						RPM	859	905	951	981	1011	1034	1057
						Watts	557	530	506	483	461	437	409
5.0 [17.59]	High	Low	100,000 [29.31]	10 x 9 3/4 HP [559] 3 Speed PSC Motor	Med	CFM [L/s]	1793 [846]	1731 [817]	1665 [786]	1594 [752]	1519 [717]	1440 [680]	1356 [640]
						RPM	1053	1067	1080	1091	1101	1110	1119
						Watts	667	637	606	574	543	512	483
	Low	Med				CFM [L/s]	1889 [892]	1826 [862]	1753 [827]	1672 [789]	1586 [749]	1499 [707]	1413 [667]
						RPM	1110	1117	1124	1129	1133	1139	1144
						Watts	736	715	683	646	608	574	551
5.0 [17.59]	High	Low	100,000 [29.31]	10 x 9 3/4 HP [559] 3 Speed PSC Motor	Low	CFM [L/s]	1388 [655]	1380 [651]	1371 [647]	1351 [638]	1325 [625]	1294 [611]	1225 [578]
						RPM	741	794	858	904	947	985	1021
						Watts	595	583	564	539	510	484	453
	High	Med				CFM [L/s]	1943 [917]	1895 [894]	1840 [868]	1774 [837]	1700 [802]	1618 [764]	1525 [720]
						RPM	995	1024	1040	1057	1041	1087	1100
						Watts	785	751	717	674	643	599	561
High	Med	CFM [L/s]	2150 [1015]	2072 [978]	1991 [940]	1917 [905]	1820 [859]	1722 [813]	1627 [768]				
		RPM	1080	1093	1100	1106	1115	1123	1130				
		Watts	889	884	796	768	725	687	651				

NOTE: Cooling speed must be changed to medium to achieve ARI performance (4 & 5 ton).

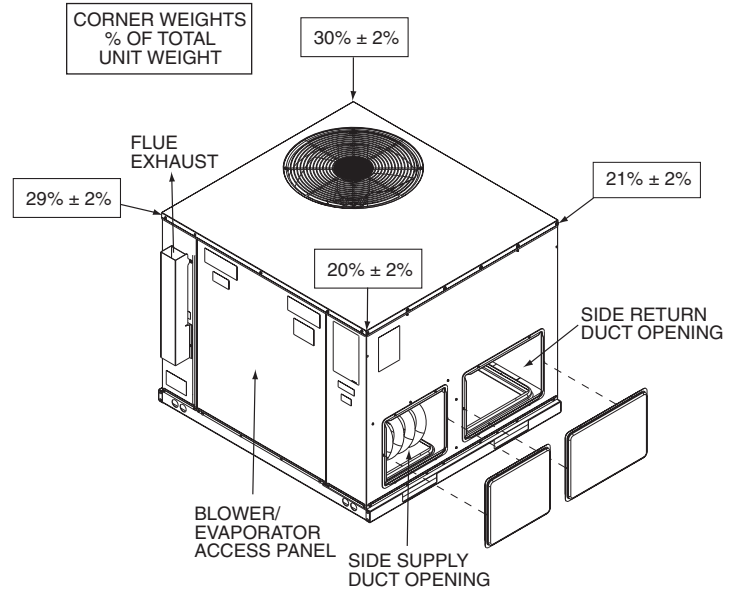
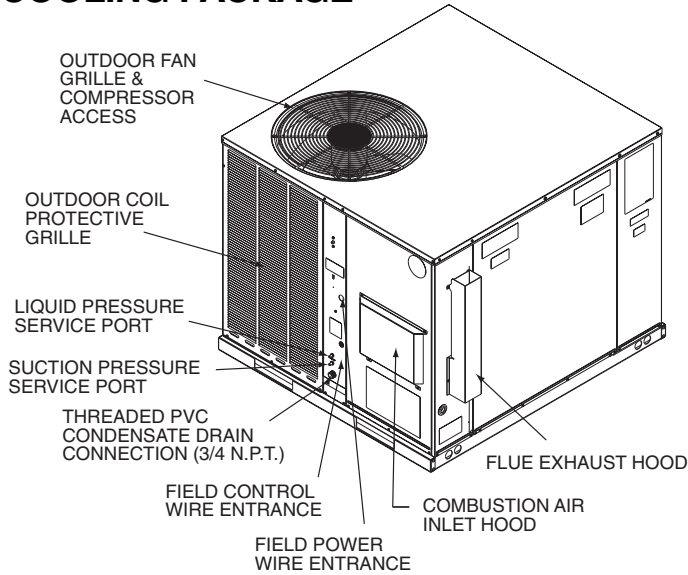
[] Designates Metric Conversions



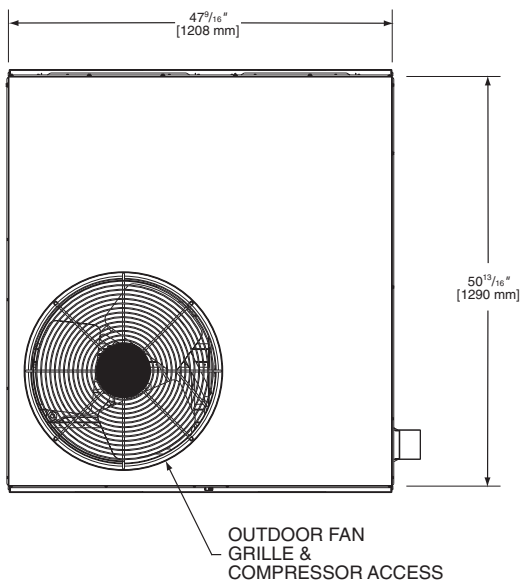
ELECTRICAL DATA – RRNA- SERIES														
		-B024JK	-B030JK	-B036CK	-B036DK	-B036JK	-B042CK	-B042JK	-C048CK	-B048DK	-C048JK	-C060CK	-B060DK	-C060JK
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	187-253	187-253	187-253	187-253	414-506	187-253	187-253	414-506	187-253
	Minimum Circuit Ampacity	16/16	22/22	16/16	10	22/22	18/18	26/26	20/20	11	30/30	27/27	12	37/37
	Minimum Overcurrent Protection Device Size	20/20	25/25	20/20	15	30/30	20/20	30/30	25/25	15	35/35	35/35	15	45/45
	Maximum Overcurrent Protection Device Size	25/25	35/35	25/25	15	35/35	25/25	40/40	30/30	15	50/50	40/40	15	60/60
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	208/230	208/230	208/230	208/230	460	208/230	208/230	460	208/230
	Phase	1	1	3	3	1	3	1	3	3	1	3	3	1
	HP	2 1/6	2 2/3	3 1/3	3 1/3	3 1/3	3 1/2	3 1/2	4	4	4	5	5	5
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	10.4/10.4	14.1/14.1	9.6/9.6	5.8	14.4/14.4	10.3/10.3	16.5/16.5	12.2/12.2	6.1	20.2/20.2	17.3/17.3	6.7	25/25
	Amps (LRA)	54/54	68/68	73/73	35	77/77	77/77	95/95	80.8/80.8	41	137/137	123/123	49.5	148/148
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	208/230	208/230	208/230	208/230	460	208/230	208/230	460	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
	Amps (FLA)	1.3	1.3	1.3	0.6	1.3	2	2	2	1	2	2	1	2
	Amps (LRA)	2.3	2.3	2.3	1.1	2.3	3.9	3.9	3.9	2.2	3.9	3.9	2.2	3.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	208/230	208/230	208/230	208/230	460	208/230	208/230	460	208/230
	Phase	1	1	1	1	1	1	1	1	1	1	1	1	1
	HP	1/4	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4	1	3/4	1
	Amps (FLA)	1.3	2.4	2.4	1.2	2.4	2.4	2.4	2.4	2.7	2.3	2.7	2.8	2.3
	Amps (LRA)	2.3	5.1	5.1	2.2	5.1	5.1	5.1	5.1	0	5	0	0	5

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

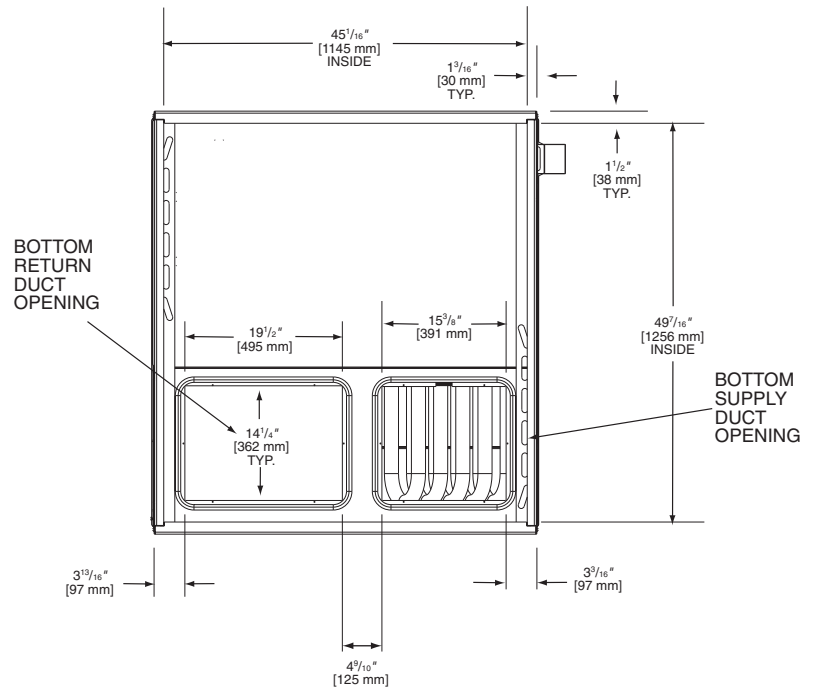
UNIT DIMENSIONS GAS HEAT/ELECTRIC COOLING PACKAGE



TOP VIEW



BOTTOM VIEW

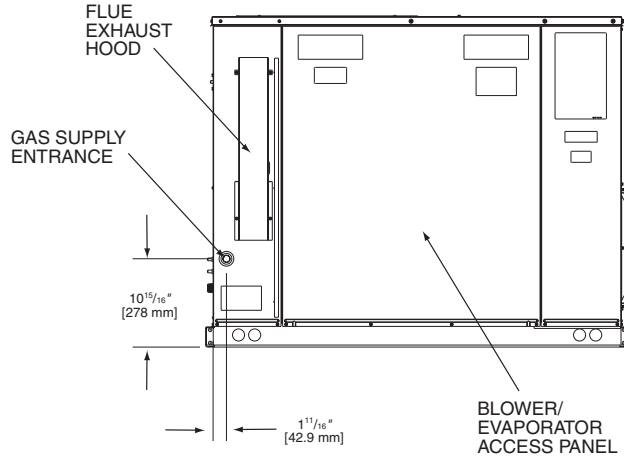


[] Designates Metric Conversions

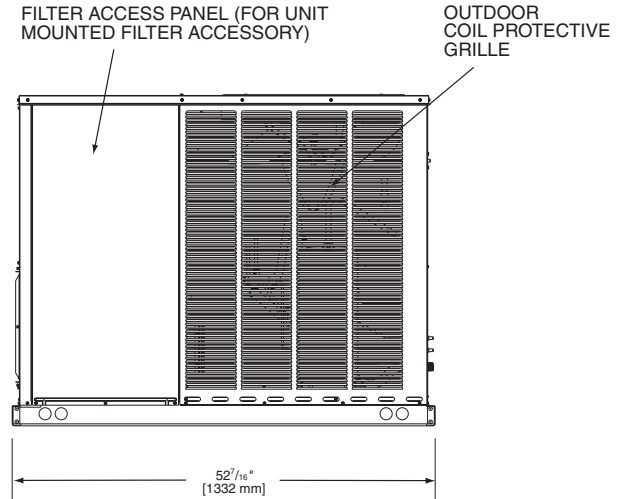


UNIT DIMENSIONS—RRNA- SERIES

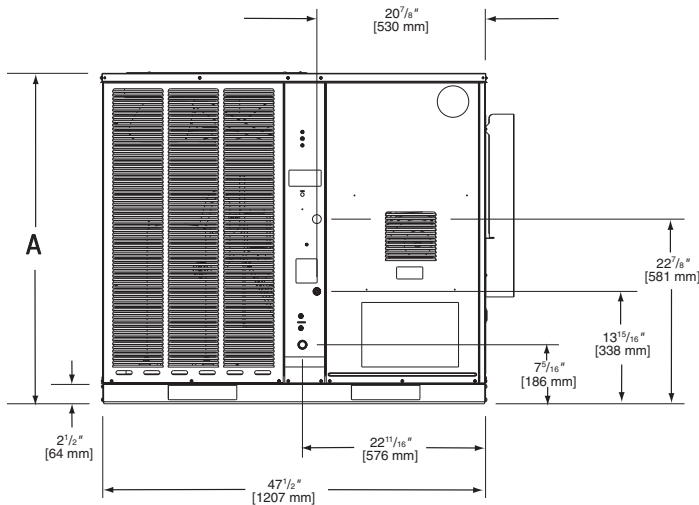
SIDE VIEW



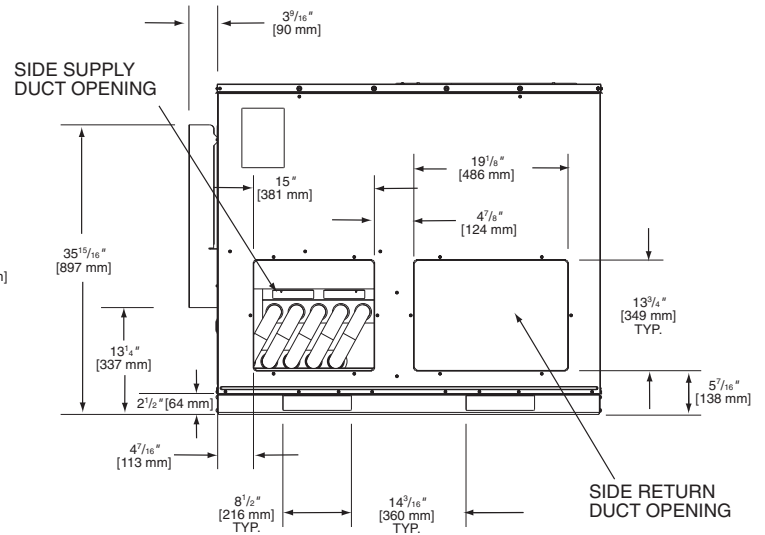
SIDE VIEW



FRONT VIEW



BACK VIEW

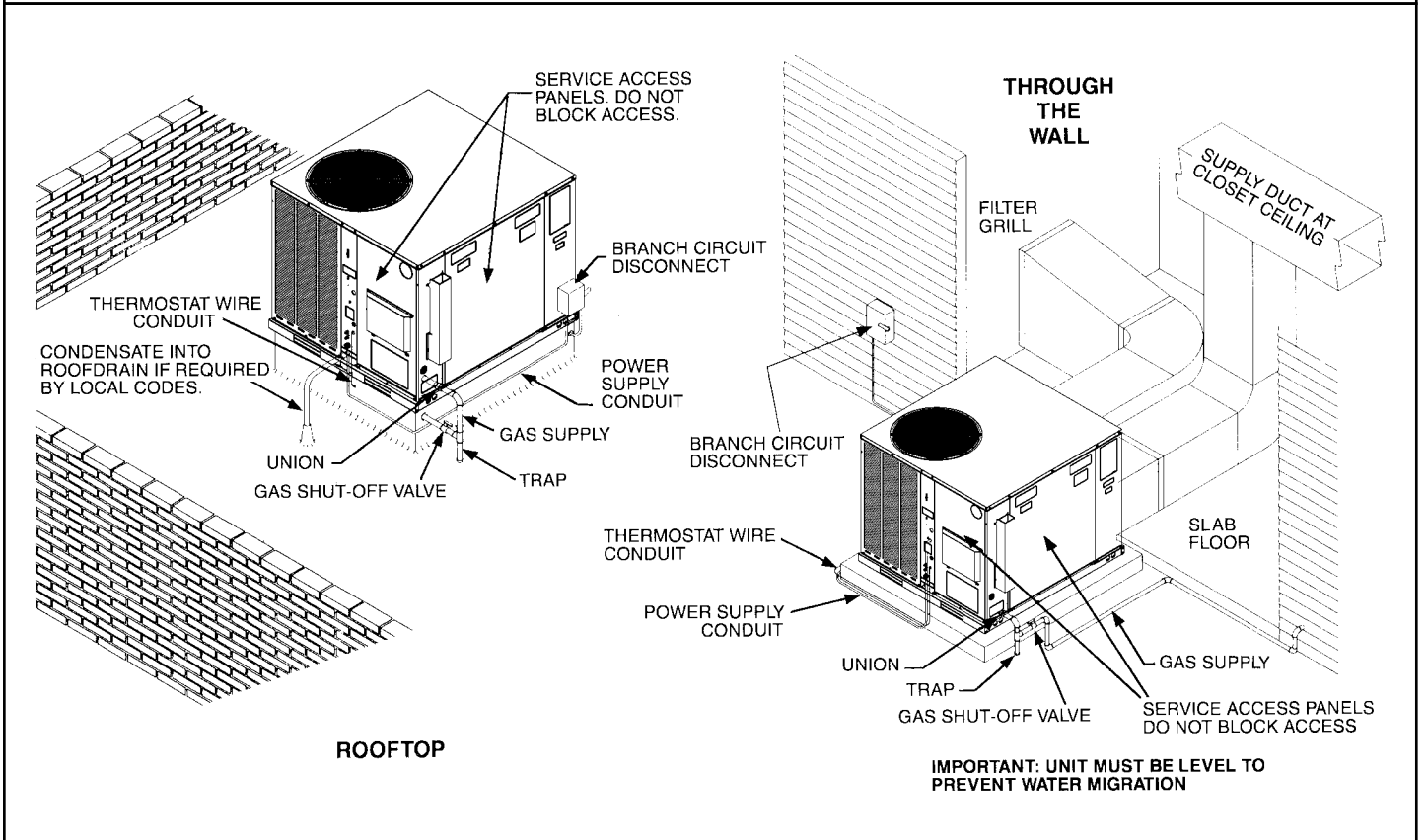
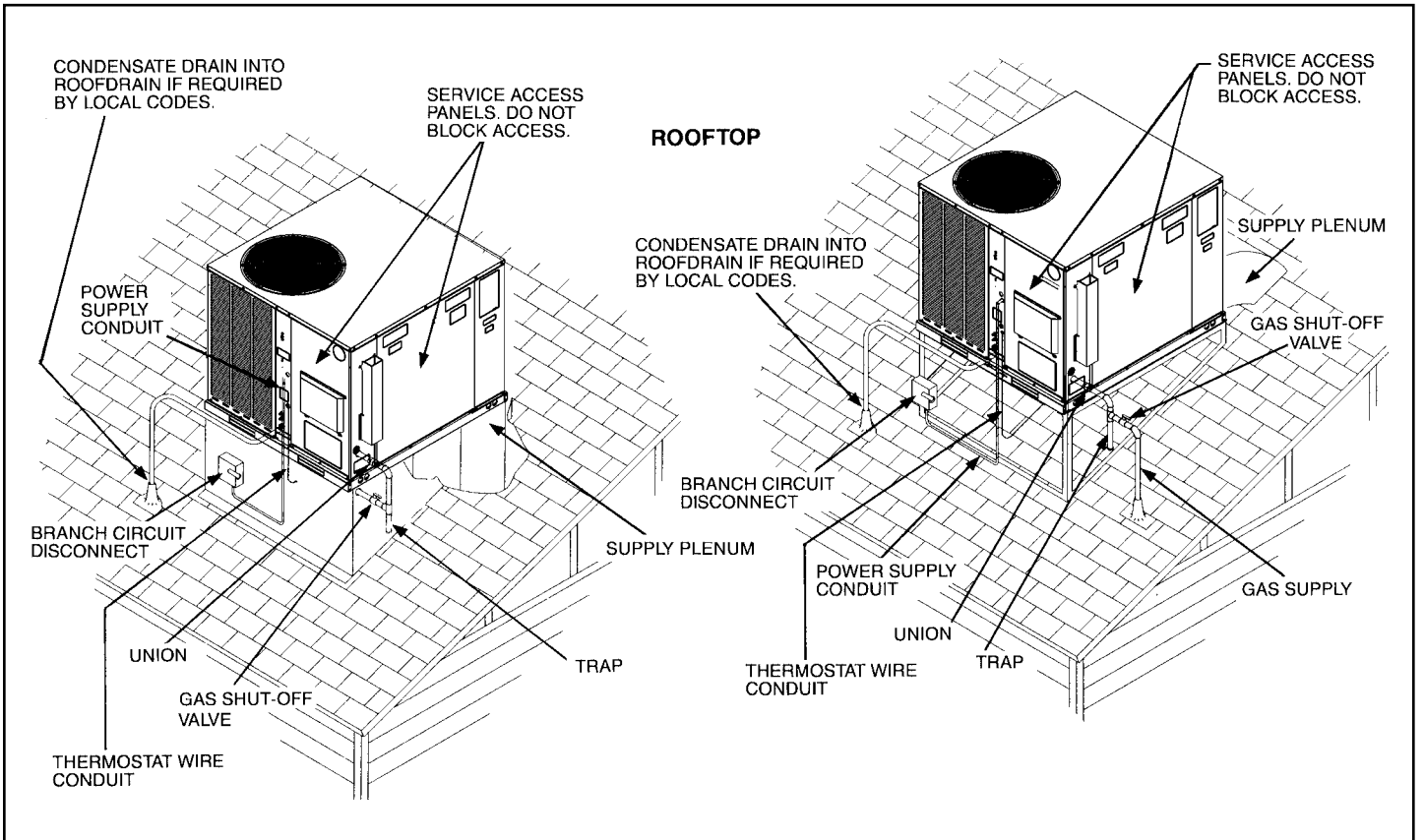


SHOWN WITH DUCT COVERS REMOVED.

IMPORTANT:
INSTALLATION MUST NOT INTERFERE WITH DRAINAGE OPENINGS IN BOTTOM OF UNIT UNDER OUTDOOR COIL.

[] Designates Metric Conversions

Model #	"A" Height
B024, B030, B036	$35^{15}/16"$
B042, B048, C060	41"



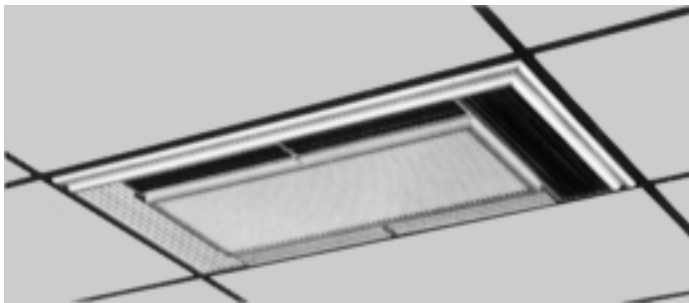
ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Thermostats	RRNA-	See Thermostat Specification Sheet (T11-001)
Roofcurbs	RRNA-	RXSG-AAA08 (8" [203 mm] Height) RXSG-AAA14 (14" [356 mm] Height) RXSG-AAA24 (24" [610 mm] Height)
Supply & Return Diffusers	RRNA-	RXRN-BD15
Economizers (Downflow ONLY)	RRNA-	RXRE-CAA30 (3 Position) RXRD-CAM10 (Fully Modulating)
Economizers (Sideflow ONLY)	RRNA-	RXRE-CCA30 (3 Position) RXRD-CCM10 (Fully Modulating)
Fresh Air Damper	RRNA-	RXRF-FAB1 (Motorized-35%) RXRF-FAA1 (Fixed-35%)
Rectangular to Round Transition (Downflow)	RRNA-	RXMC-CA02 (16" [406 mm] Ducts) RXMC-CA03 (18" [457 mm] Ducts)
Filter Kit	RRNA-	RXRY-B01
Low Ambient Control	RRNA-	RXRZ-A18
High Pressure Control	RRNA-	RXAB-A02
Low Pressure Control	RRNA-	RXAC-A02
Sideflow Rectangular to Round Transition	RRNA-	RXMC-BA01
LP Conversion Kits	RRNA-	RXGJ-EP84W (White-Rodgers Gas Valve) RXGJ-EP85H (Honeywell Gas Valve)
Canadian High Altitude Kit (for Natural Gas only*)	RRNA-	RXRX-AH01

*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.

[] Designates Metric Conversions

COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



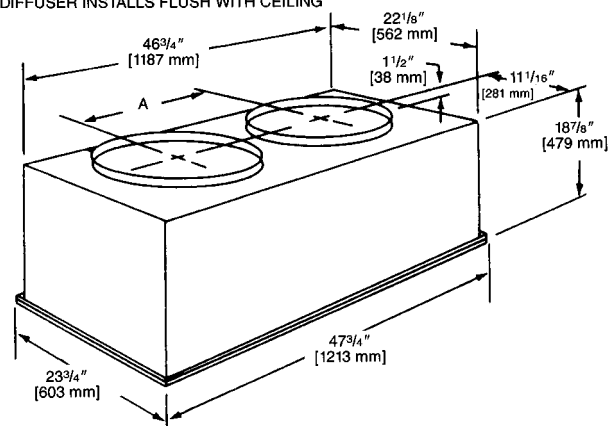
SUPPLY/RETURN DIFFUSER



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 1/2 [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



300-Series *
Deluxe Programmable



200-Series *
Programmable



100-Series *
Non-Programmable

400-Series *
Special Applications/Programmable

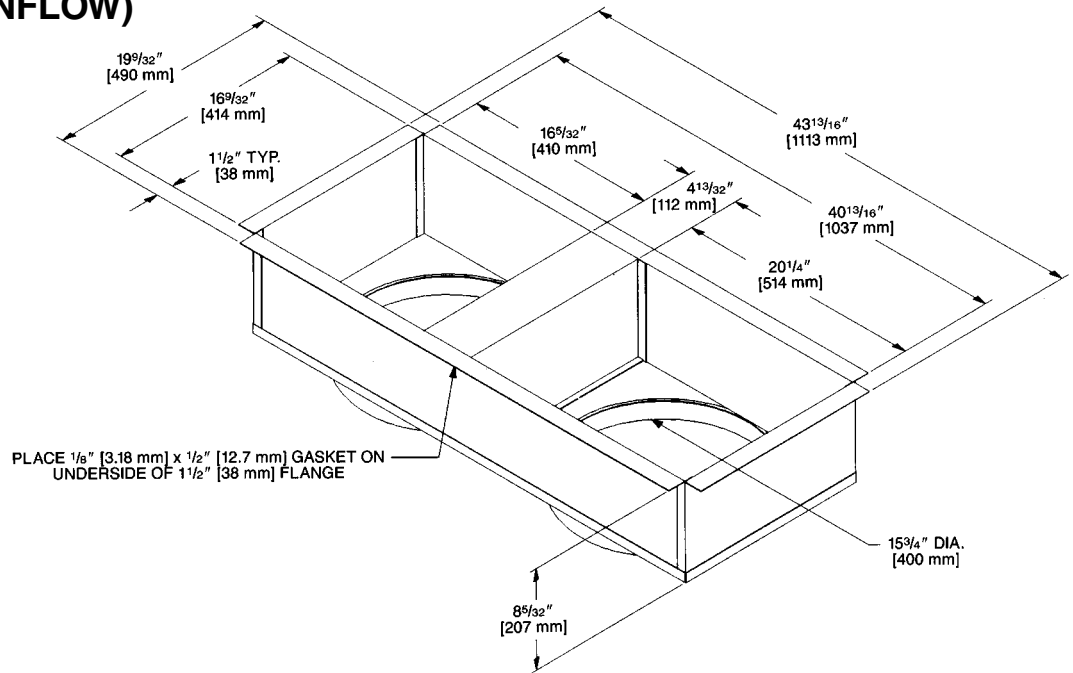
Brand	Unique Model Number Prefix	Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
RHC	-	TST	101	GE	MS
RHC=Rheem		TST=Thermostat	100=Non-Programmable 200=Programmable 300=Deluxe Programmable 400=Special Applications/Programmable	GE=Gas/Oil/Electric HP=Heat Pump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

* Photos are representative. Actual models may vary.

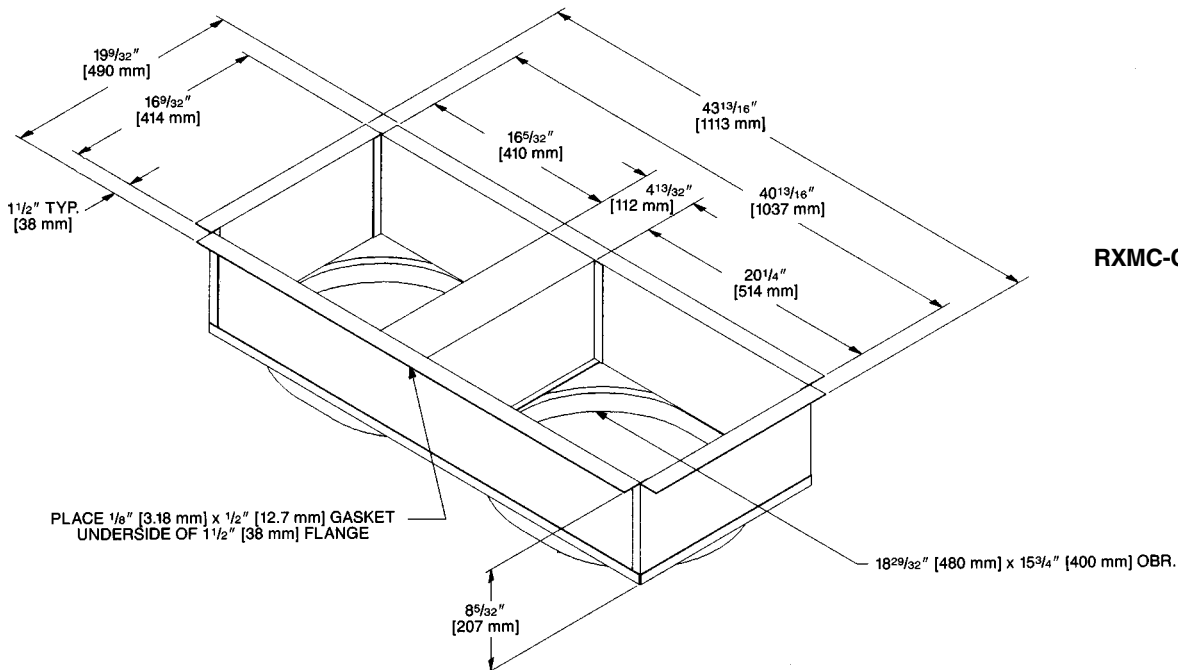
For detailed thermostat match-up information, see specification sheet form number T11-001.

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03



[] Designates Metric Conversions

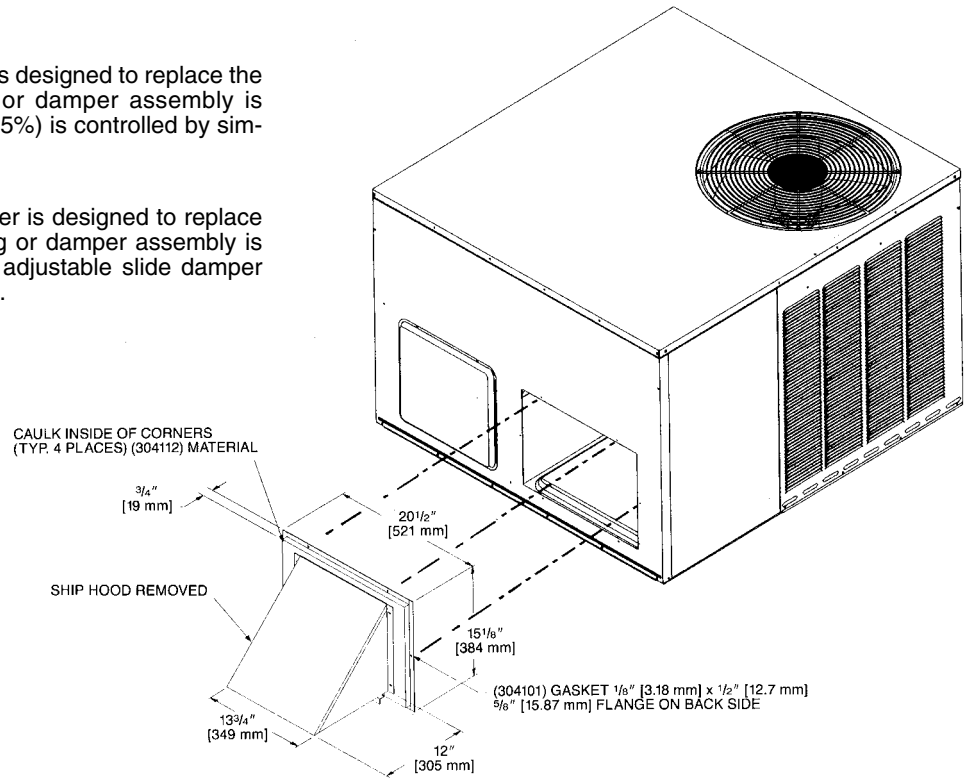
FRESH AIR DAMPER FOR USE ON RRNA- SERIES

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.



[] Designates Metric Conversions

ECONOMIZERS

RXRE-CAA30 (3 Position) and RXRD-CAM10 (Fully Modulating) for RRNA- Series

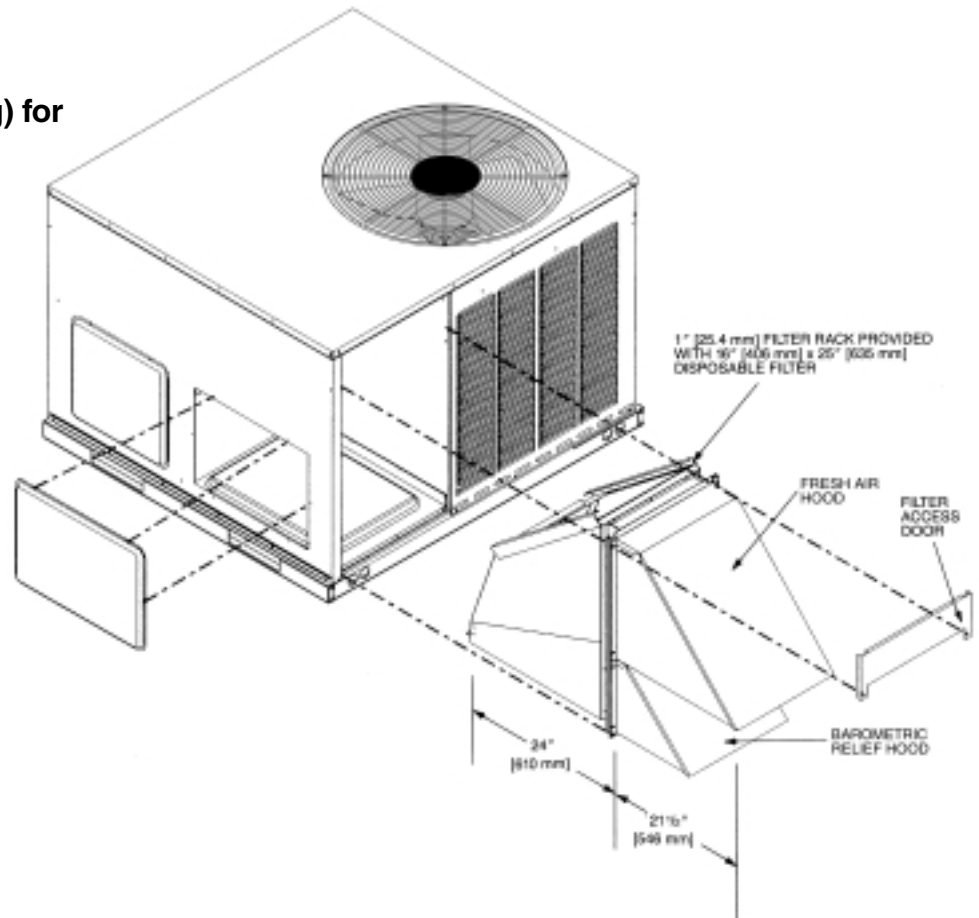
RXRE-CAA30 (3 Position)

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.



ECONOMIZERS

RXRD-CCM10 (Fully Modulating) and RXRE-CCA30 (3 Position) for RRNA-B Series Horizontal Application

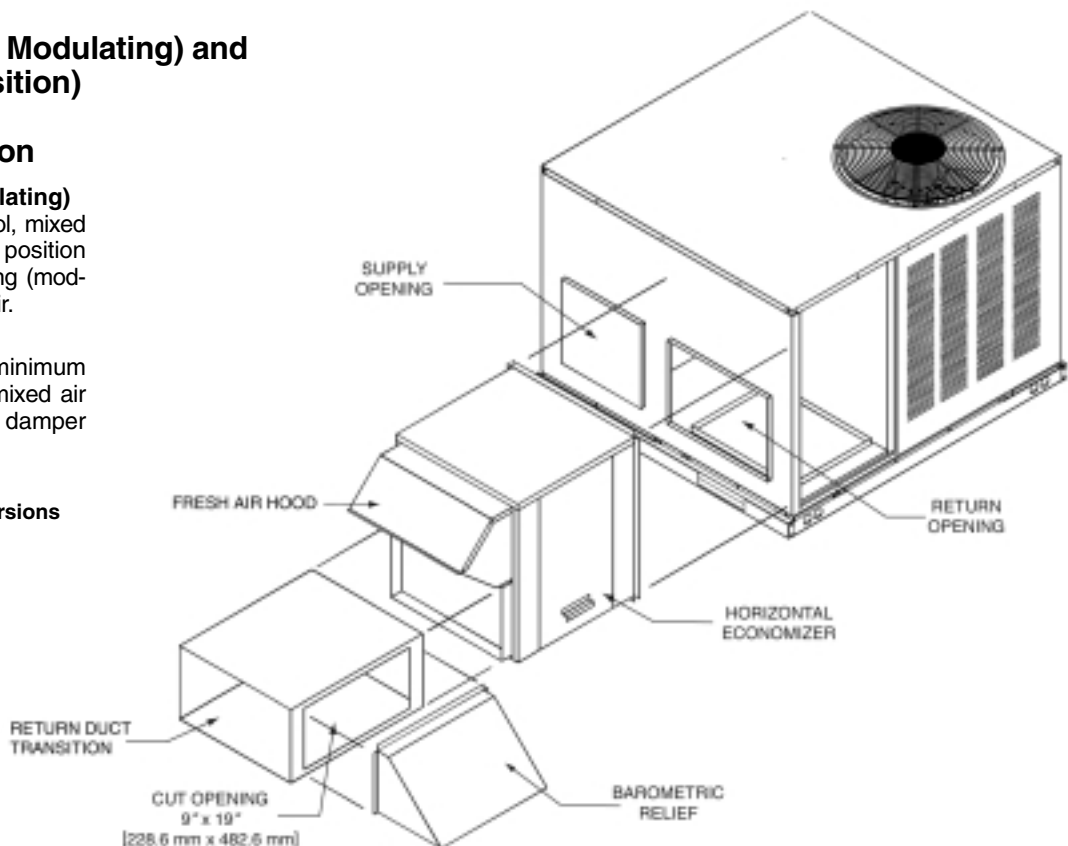
RXRD-CCM10 (Fully Modulating)

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

RXRE-CCA30 (3 Position)

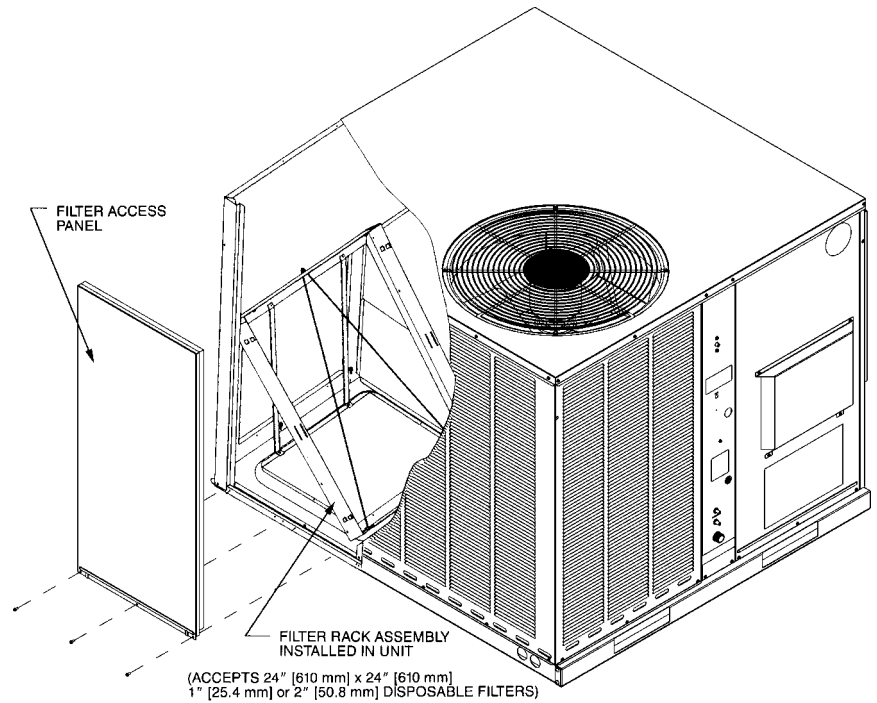
Has outdoor air sensor, minimum position potentiometer and mixed air sensor to provide three damper positions.

[] Designates Metric Conversions



FILTER KIT INSTALLATION RXRY-B01

For use in either
vertical or horizontal
discharge.



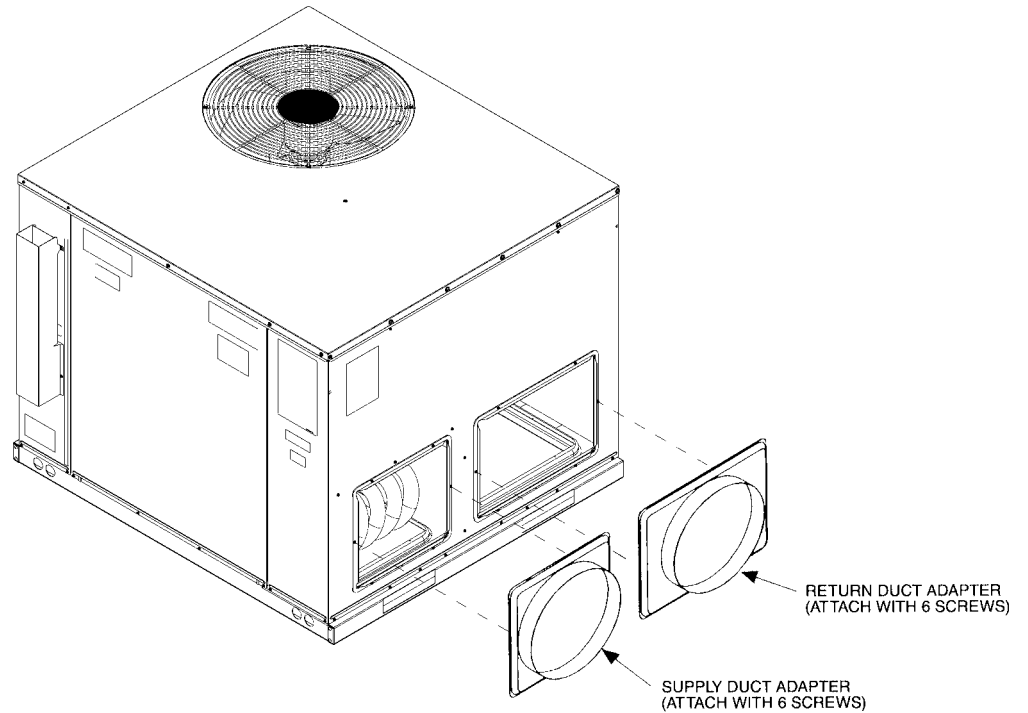
Model No.	CFM [L/s]		
	Minimum Airflow	Nominal Airflow	Maximum Airflow
RRNA-	510 [241]	600 [283]	660 [311]
RRNA-	680 [321]	800 [378]	880 [415]
RRNA-	850 [401]	1000 [472]	1100 [519]
RRNA-	1020 [481]	1200 [566]	1320 [623]
RRNA-	1190 [562]	1400 [661]	1540 [727]
RRNA-	1275 [602]	1500 [708]	1650 [779]

CFM [L/s]	Airflow Pressure Drop, Inches W.C. [kPa]	
	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-BA01**

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.



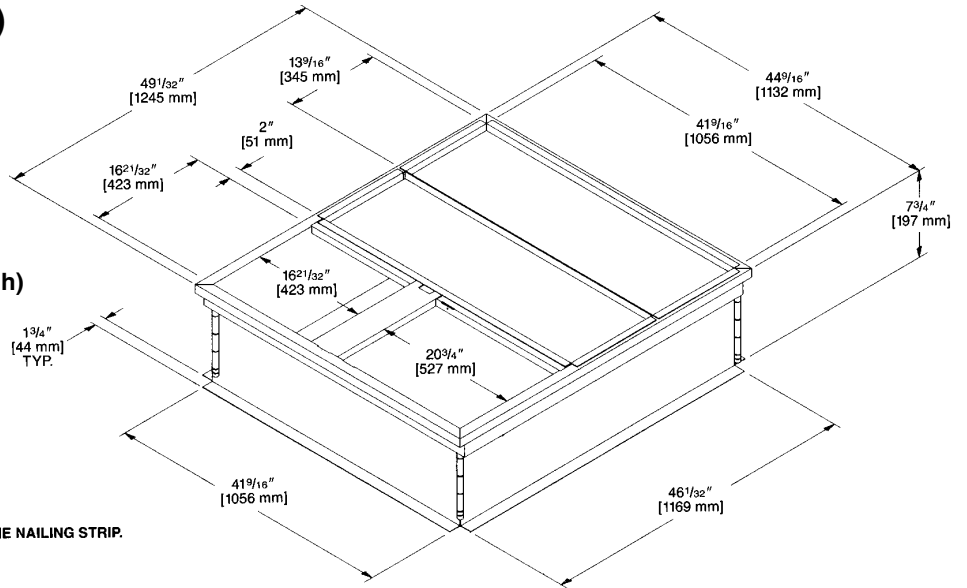
[] Designates Metric Conversions

ROOFCURB (Full Perimeter)

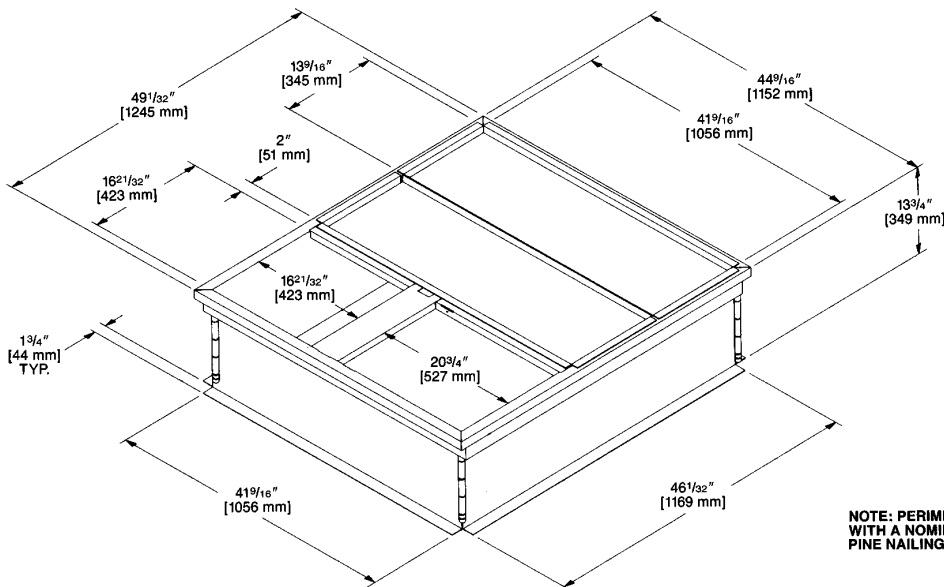
RXSG-AAA08, RXSG-AAA14
and RXSG-AAA24 for
RRNA- Series

Hinged corners make for
fast, easy set-up.

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



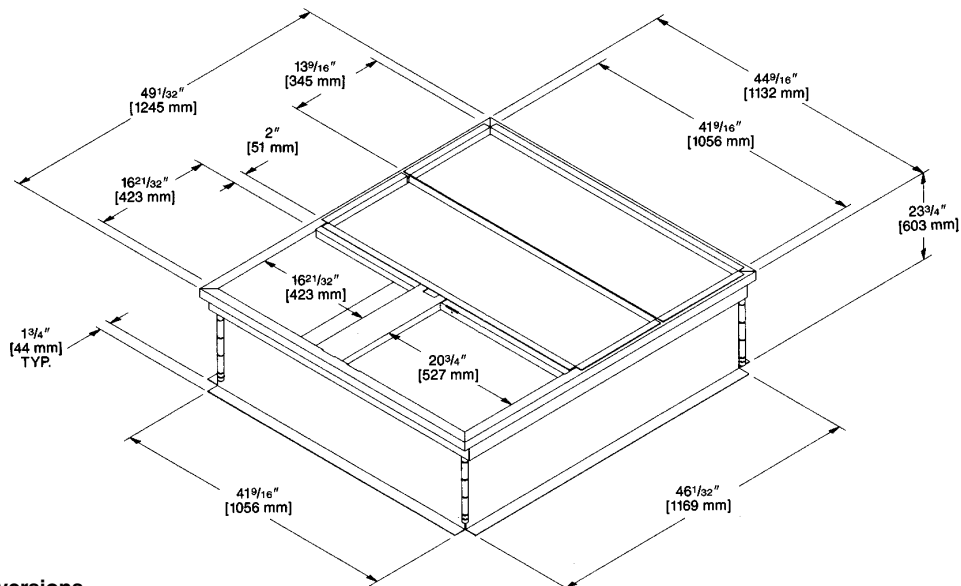
NOTE: PERIMETER OF ROOFCURB IS SUPPLIED
WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.



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

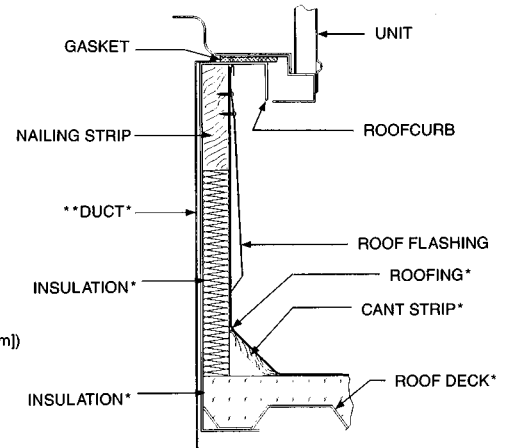
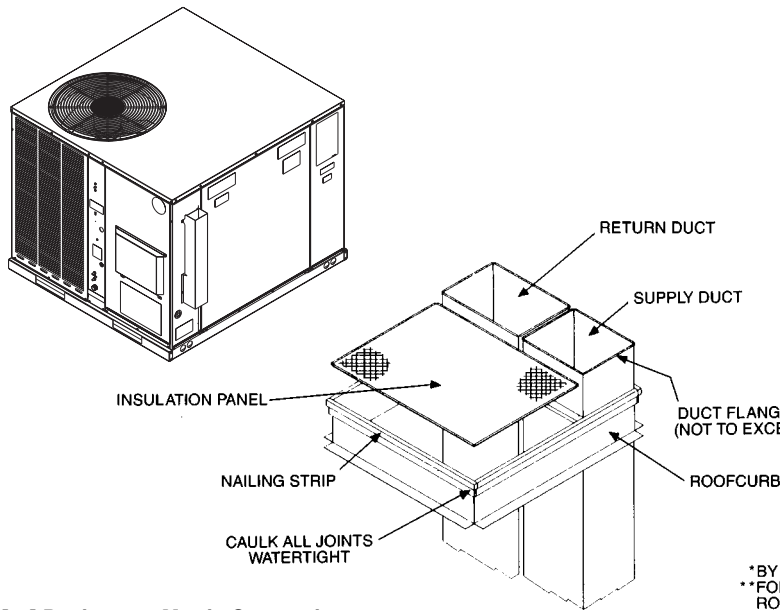
NOTE: PERIMETER OF ROOFCURB IS SUPPLIED
WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm]
PINE NAILING STRIP.

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



[] Designates Metric Conversions

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

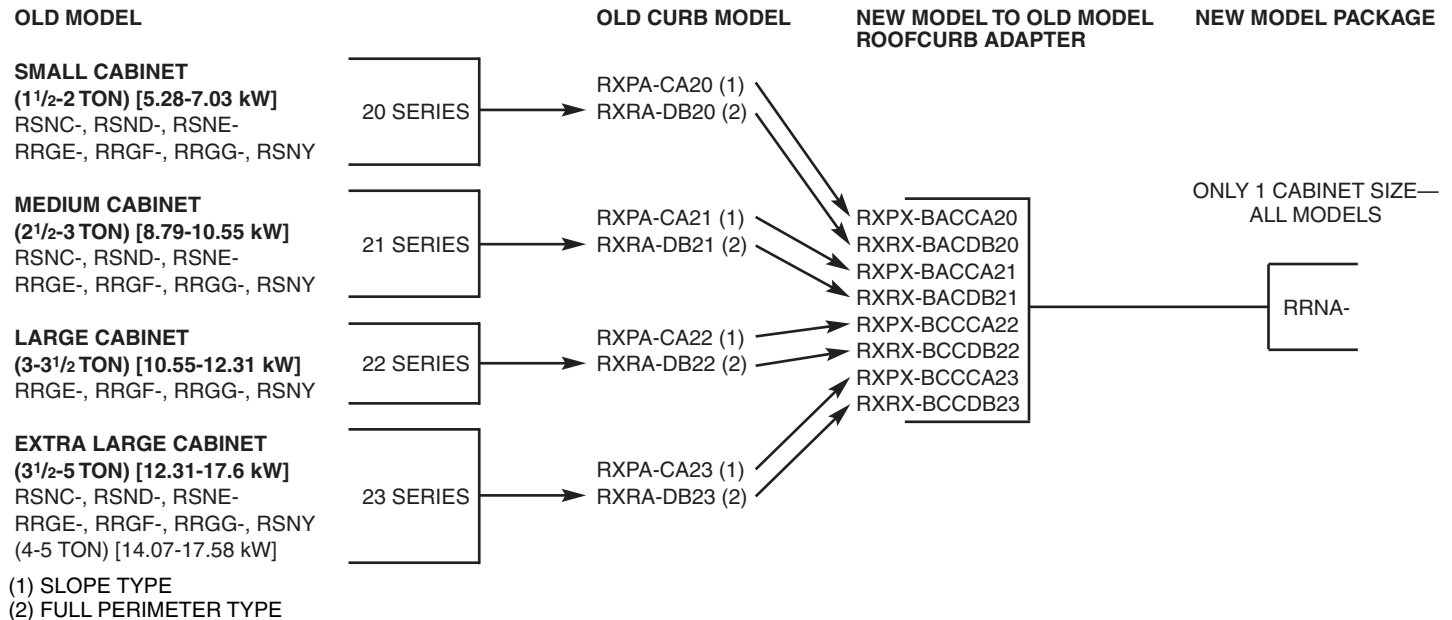


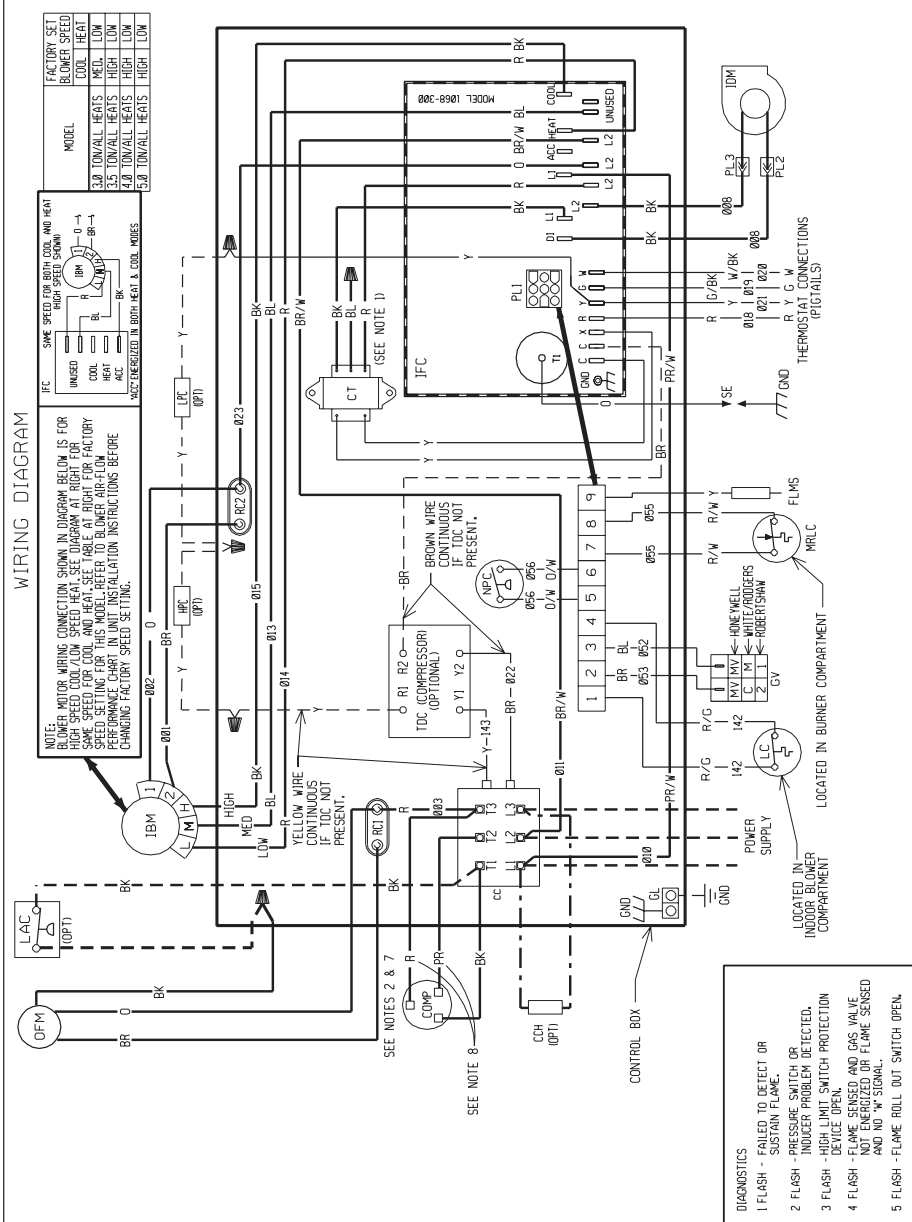
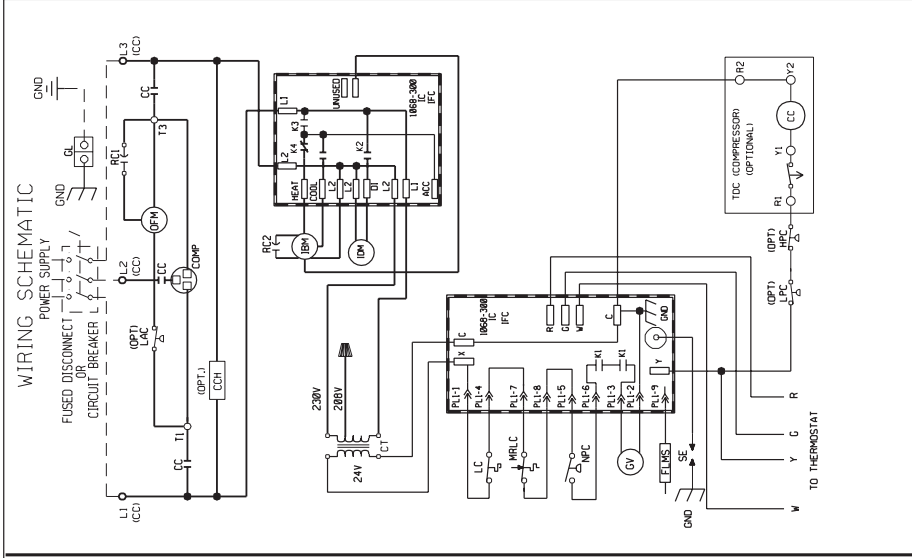
*BY CONTRACTOR
 **FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

[] Designates Metric Conversions

ROOFCURB ADAPTERS

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





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 (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:
60 HZ COMMON BLUE-208 V BLACK-230 V
RED-INTERCHANGE BLACK & BLUE LEADS FOR 208 V TRANSFORMER OPERATION.
CONNECTORS SUITABLE FOR USE WITH COPPER MOTORS & COMPRESSOR THERMALLY PROTECTED.
- CONNECTORS SUITABLE FOR USE WITH COPPER MOTORS & COMPRESSOR THERMALLY PROTECTED.
- CONNECTORS SUITABLE FOR USE WITH COPPER MOTORS & COMPRESSOR THERMALLY PROTECTED.
- CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
- LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER 24 VOLT, 50/60 HERTZ SUPPLIED.
- REPLACEMENT FUSES MUST BE SAME TYPE & RATED UNDER CONDITIONS.
- SINGLE PHASE CONDITIONS.
- COMPRESSOR PROTECTED UNDER PRIMARY COMPRESSOR WIRES ARE ALL BLACK FOR UNITS WITHOUT MOLDED COMPRESSOR LEADS.

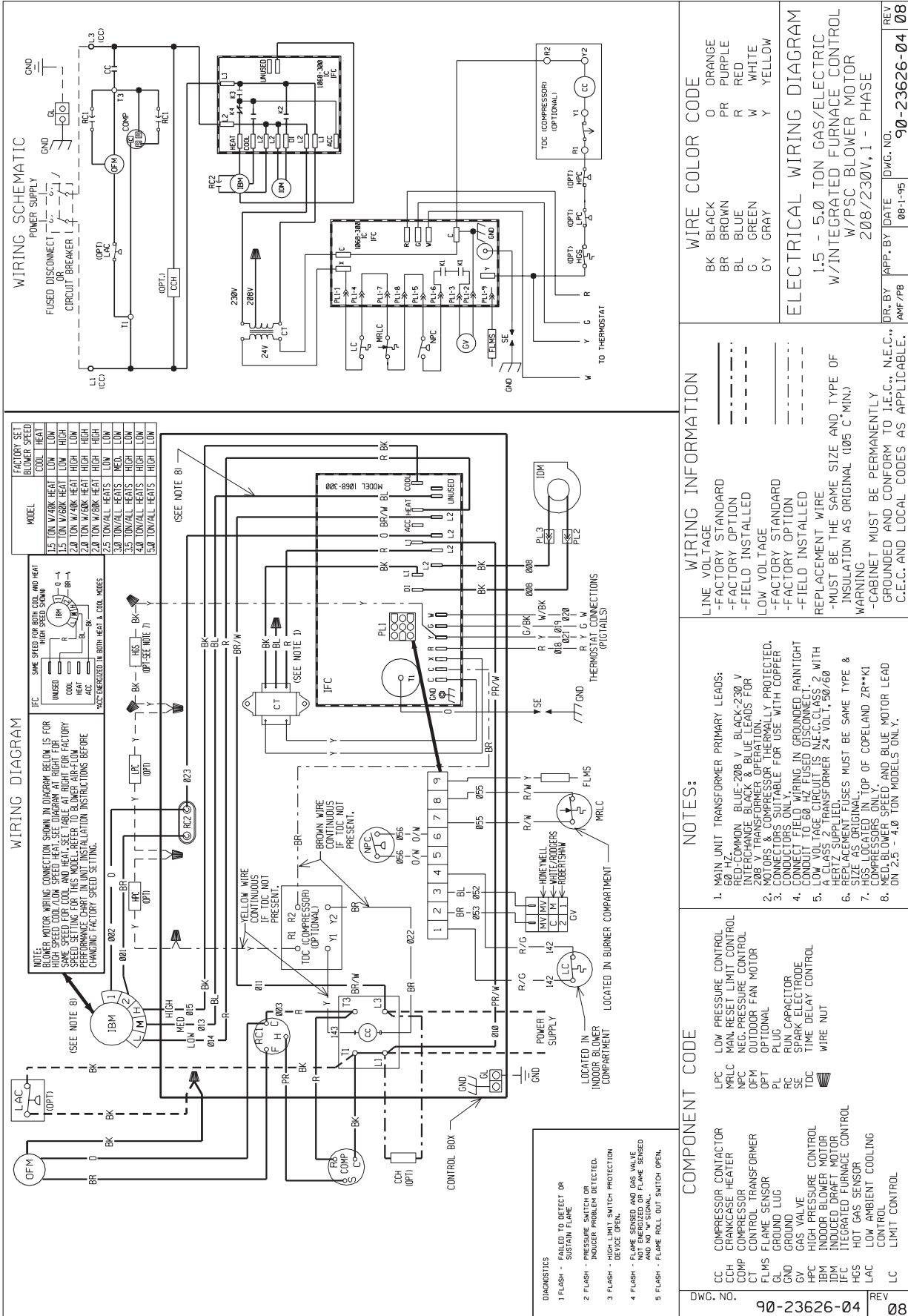
COMPONENT CODE

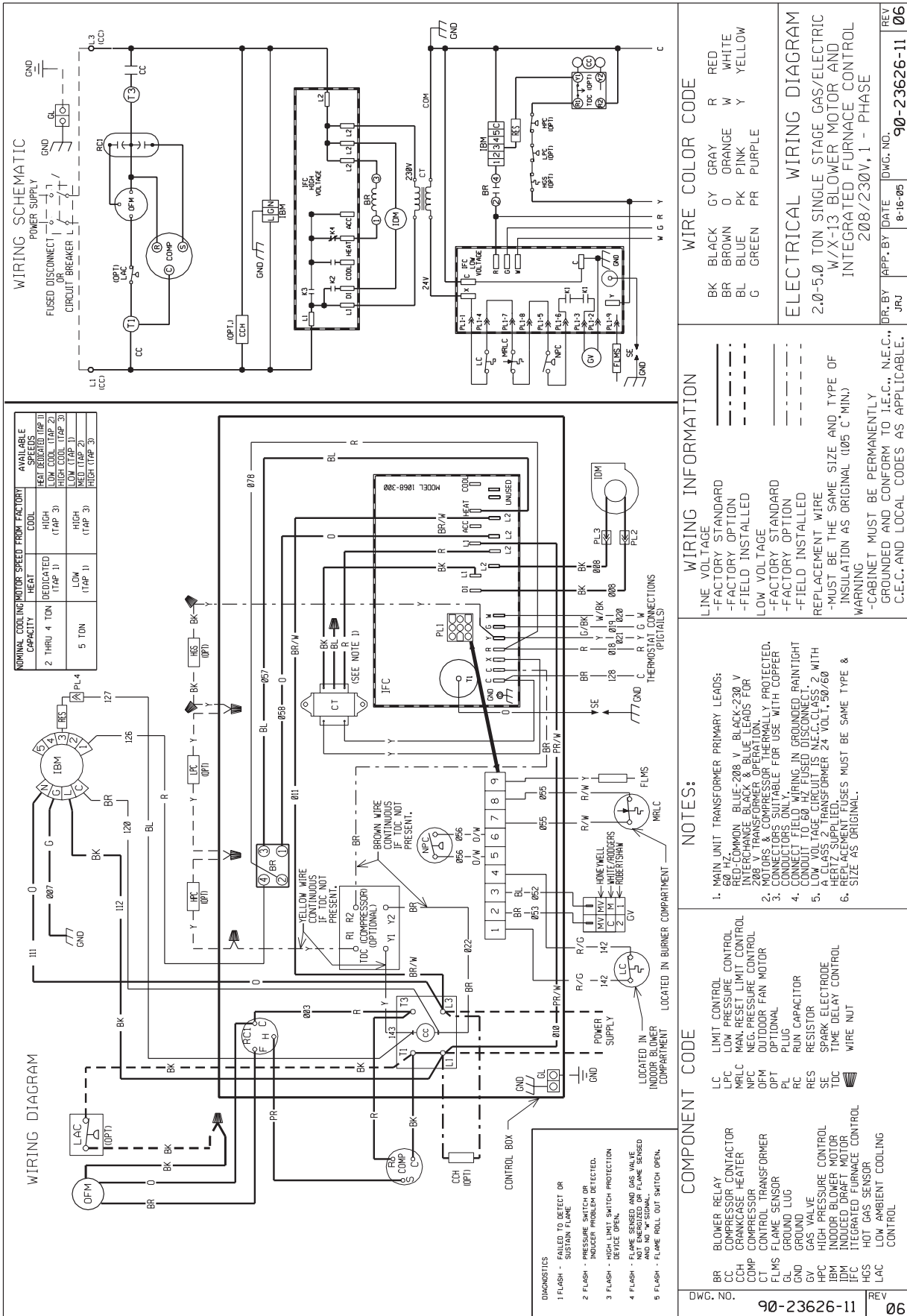
COMPRESSOR CONTACTOR
CRANKCASE HEATER
COMPRESSOR
CONTROL TRANSFORMER
FLMS FLAME SENSER
GND GROUND LUG
GND GROUND
GV GAS VALVE
HPC HIGH PRESSURE CONTROL
IBM INDOOR BLOWER MOTOR
IJC INTEGRATED FURNACE CONTROL
LAC HOT GAS SENSOR
LHC LOW AMBIENT COOLING CONTROL
LIMIT CONTROL

LOCATED IN BURNER COMPARTMENT
LOCATED IN INDOOR BLOWER COMPARTMENT

DIAGNOSTICS:
1 FLASH - FAILED TO DETECT OR SUSTAIN FLAME.
2 FLASH - PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3 FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4 FLASH - FLAME SENSED AND GAS VALVE CLOSED AND NO "W" SIGNAL AND NO "W" SIGNAL.
5 FLASH - FLAME ROLL OUT SWITCH OPEN.

DR. BY: AMF/PB DATE: 08-1-95 DWG. NO.: 90-23626-05 REV: 10





WIRING SCHEMATIC

WIRING DIAGRAM

WIRING INFORMATION

- LINE VOLTAGE STANDARD
- FACTORY OPTION
- FIELD INSTALLED
- LOW VOLTAGE
- 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: 60 HZ COMMON BLUE-208 V BLACK-230 V INTERCHANGE BLACK & BLUE LEADS FOR 208 V TRANSFORMER OPERATION.
2. MOTORS & COMPRESSOR THERMALLY PROTECTED. CONDUCTORS ONLY APPLICABLE FOR USE WITH COPPER.
3. CONNECT FIELD WIRING IN GROUNDED RAINLIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
4. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH HEAT SUPPLIED.
5. REPLACEMENT FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.

COMPONENT CODE

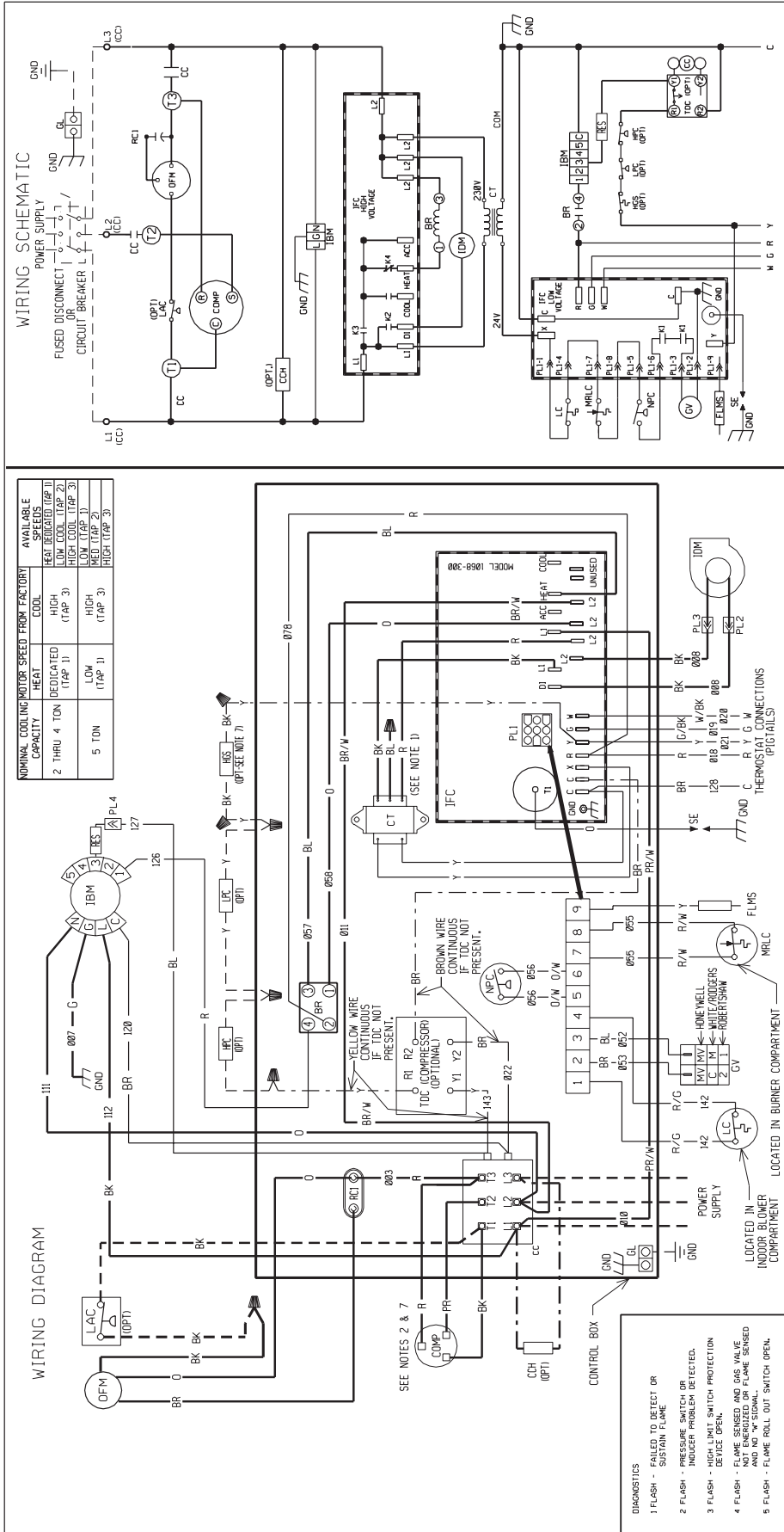
- BR BLOWER RELAY
- LPC LOW PRESSURE CONTROL
- MRLC MAN RESET LIMIT CONTROL
- NPC NEG. PRESSURE CONTROL
- OFM OUTDOOR FAN MOTOR
- OPT OPTIONAL
- PL PLUG
- RC RUN CAPACITOR
- RES RESISTOR
- SE SPARK ELECTRODE
- TBC TIME DELAY CONTROL
- WIRE NUT
- BR BLOWER RELAY
- CCH COMPRESSOR HEATER
- COMP COMPRESSOR
- CTM CONTROL TRANSFORMER
- FLMS FLAME SENSOR
- GL GROUND LUG
- GRND GROUND
- GV GAS VALVE
- HPC HIGH PRESSURE CONTROL
- IBM INDOOR BLOWER MOTOR
- IDM INDUCED DRAFT MOTOR
- IFC INTEGRATED FURNACE CONTROL
- HGS HOT GAS SENSOR
- LAC LOW AMBIENT COOLING CONTROL

DWG. NO. 90-23626-11

REV 06

DR. BY APP. BY DATE DWG. NO. 90-23626-11 REV 8-16-05

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



NOMINAL COOLING CAPACITY	MOTOR SPEED	FACTORY SPEEDS	AVAILABLE SPEEDS
2 THRU 4 TON	DEDICATED (TAP 1)	HIGH (TAP 3)	HEAT (REDUCED TAP 1)
		LOW (TAP 2)	LOW COOL (TAP 2)
		HIGH (TAP 3)	HIGH COOL (TAP 3)
5 TON	DEDICATED (TAP 1)	HIGH (TAP 3)	HEAT (REDUCED TAP 1)
		LOW (TAP 2)	LOW COOL (TAP 2)
		HIGH (TAP 3)	HIGH COOL (TAP 3)

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

3.0-5.0 TON SINGLE STAGE GAS/ELECTRIC W/X-13 BLOWER MOTOR AND INTEGRATED FURNACE CONTROL 208/230V, 3 - PHASE

REPLACEMENT WIRE MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

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: 60 HZ. RED-COMMON. BLUE-208 V. BLACK-230 V. IN RE-RANHS, BLACK & BLUE LEADS FOR MOTORS & COMPRESSOR THERMALLY PROTECTED.
2. MOTORS & COMPRESSOR THERMALLY PROTECTED. CONNECTORS SUITABLE FOR USE WITH COPPER.
3. CONNECTORS ONLY.
4. CONNECT FIELD WIRING IN GROUNDED PAINTIGHT CONTROL BOX. FUSED DISCONNECT, 2 WITH 1/2" UL TYPE CIRCUIT BREAKER, 208/230/60 HERTZ SUPPLIED.
5. REPLACEMENT FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.
6. CONTROL BOARD MUST BE INSTALLED UNDER PRIMARY SINGLE PHASE CONDITIONS.
7. PRIMARY SINGLE PHASE CONDITIONS.

COMPONENT CODE

BR	BLOWER RELAY
CC	COMPRESSOR CONTACTOR
CCH	CRANKCASE HEATER
COMP	COMPRESSOR
CT	CONTROL TRANSFORMER
FLM	FLAME SENSOR
GS	GROUND LUG
GV	GAS VALVE
HPC	HIGH PRESSURE CONTROL
IBM	INDOOR BLOWER MOTOR
IDM	INDUCED DRAFT MOTOR
I-F-C	INTEGRATED FURNACE CONTROL
HGS	HOT GAS SENSOR
LAC	LOW AMBIENT COOLING CONTROL

DIAGNOSTICS

- 1 FLASH - FAILED TO REPEAT
- 2 FLASH - SUSTAIN FLAME
- 3 FLASH - PRESSURE SWITCH OR DETECTED
- 4 FLASH - INDICATOR PROBLEM DETECTED
- 5 FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN
- 6 FLASH - FLAME SENSED AND GAS VALVE CLOSED
- 7 FLASH - FLAME ROLL OUT SWITCH OPEN

LOCATED IN BURNER COMPARTMENT

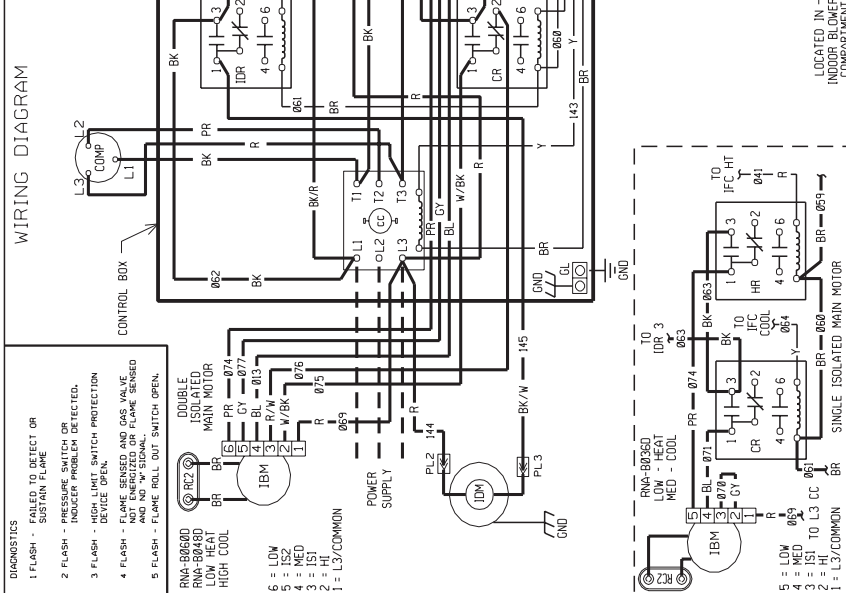
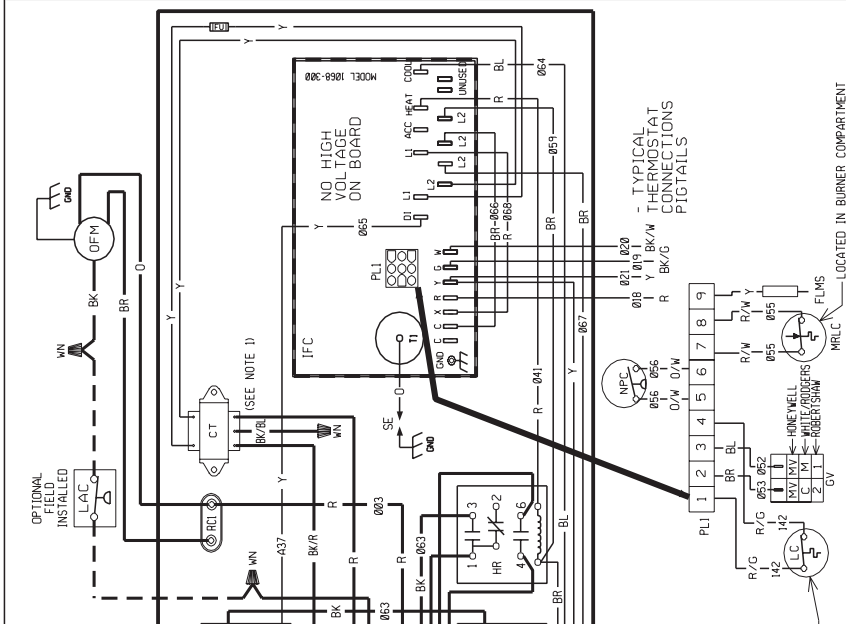
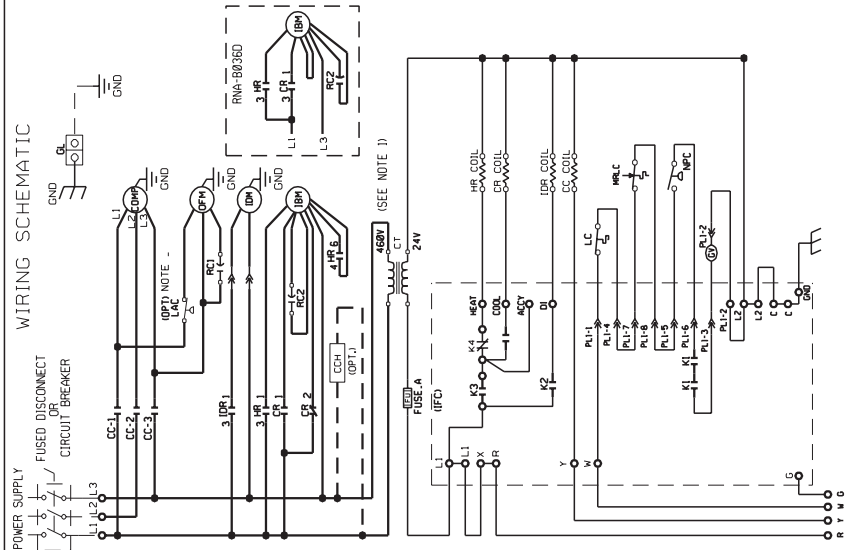
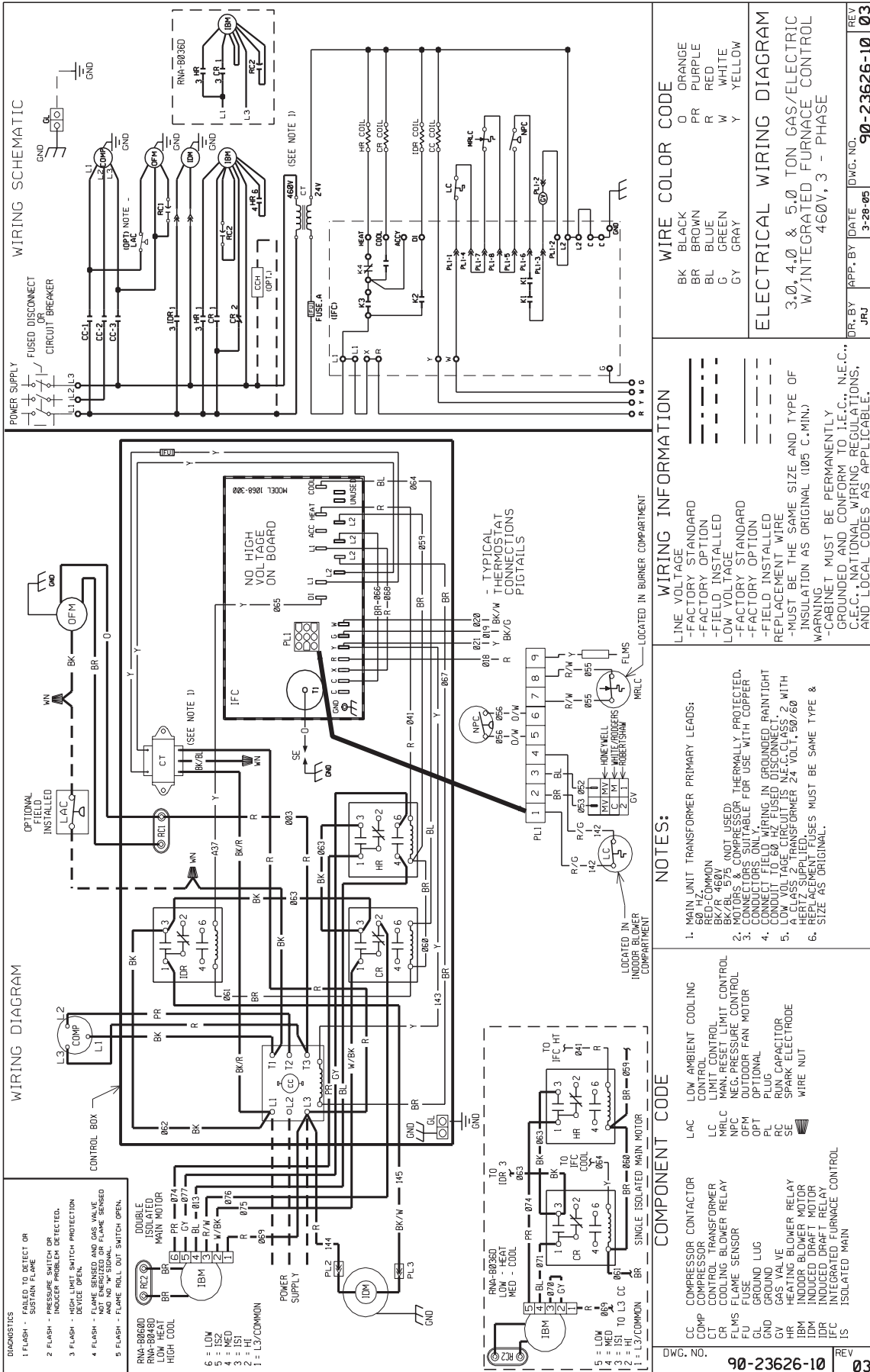
LOCATED IN INDOOR BLOWER COMPARTMENT

LOCATED IN CONTROL BOX

LOCATED IN BURNER COMPARTMENT

LOCATED IN INDOOR BLOWER COMPARTMENT

LOCATED IN CONTROL BOX



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
3.0, 4.0 & 5.0 TON GAS/ELECTRIC W/INTEGRATED FURNACE CONTROL 460V, 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., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.

NOTES:

1. MAIN UNIT TRANSFORMER PRIMARY LEADS: 60 HZ COMMON BK/R 460V BK/Y 460V BK/W 460V BK/G 460V D/W 0/W
2. MOTORS & COMPRESSOR THERMALLY PROTECTED. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY. WIRING IN GROUNDED PAINTIGHT CONDUIT TO 50 HZ FUSED DISCONNECT.
3. CONDENSERS ONLY. WIRING IN GROUNDED PAINTIGHT CONDUIT TO 50 HZ FUSED DISCONNECT.
4. CLASS 2 TRANSFORMER 24 VOLT, 50/60 HZ REPAIRABLE.
5. SIZE AS ORIGINAL.

COMPONENT CODE

CC	COMPRESSOR CONTACTOR
COMP	COMPRESSOR CONTROL
CT	CONTROL TRANSFORMER
CR	COOLING BLOWER RELAY
FU	FUSE
GL	GROUND LUG
GND	GROUND
GV	GV VALVE
HR	HEATING BLOWER RELAY
IDM	INDUCED DRAFT MOTOR
IDR	INDUCED DRAFT RELAY
IFC	INTEGRATED FURNACE CONTROL
IS	ISOLATED MAIN
LAC	LOW AMBIENT COOLING CONTROL
LC	LIMIT CONTROL
MRLC	MAN. RESET LIMIT CONTROL
NPC	NEG. PRESSURE CONTROL
DFM	OUTDOOR FAN MOTOR
OPT	OPTIONAL
PL	PLUG
PC	RUN CAPACITOR
SC	SPARK ELECTRODE
W	WIRE NUT

DWG. NO. **90-23626-10** REV **03**

DR. BY **JRJ** APP. BY **DATE** 3-28-05 DWG. NO. **90-23626-10** REV **03**

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 StandardTen (10) Years
- Stainless Steel/1-Phase & 3-Phase models/
Commercial ApplicationTwenty (20) Years
- Stainless Steel/1-Phase models/
Residential ApplicationLimited Lifetime

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

Condenser Coil and Evaporator Coil leaks

- caused by factory defectsFive (5) Years
- CompressorFive (5) Years
- Conditional Compressor (BVA or AJA option code only,
1-Phase, Residential Applications)Ten (10) Years
- Any Other Part**
- 1-Phase ModelsFive (5) Years
- 3-Phase ModelsOne (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."