PACKAGE DUAL FUEL UNITS

FORM NO. D22-001 REV. 1

Featuring Earth-Friendly R-410A Refrigerant

R-410A earth friendly refrigerant

RQPW-B 14-SEER SERIES
NOMINAL SIZES 2-4 TONS [7.0-14.0 kW]

Accredited by the RvA

ISO 9001:2000
Certificate Number: 30164

c UL us LISTED

ENERGY STAR PARTNER

ARI PERFORMANCE CERTIFIED
ARI Standard 210/240 UHP

member gama

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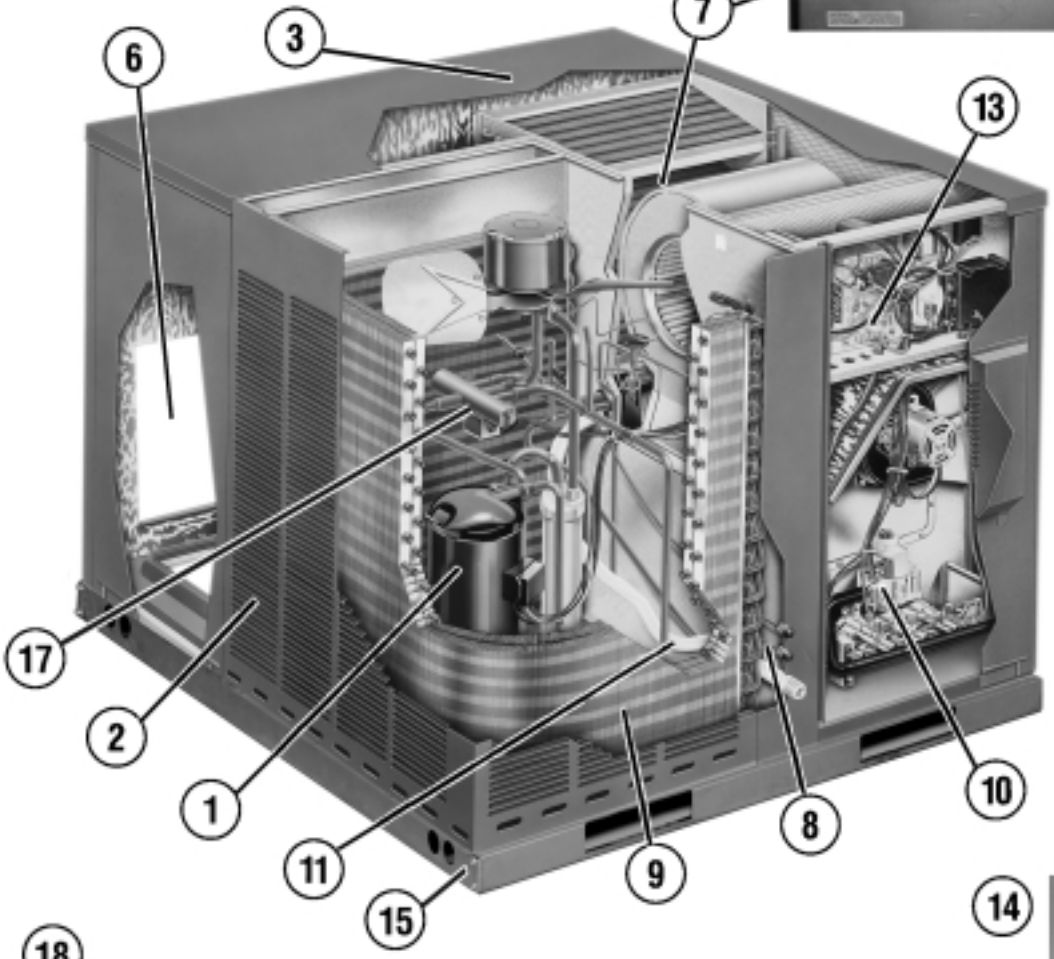
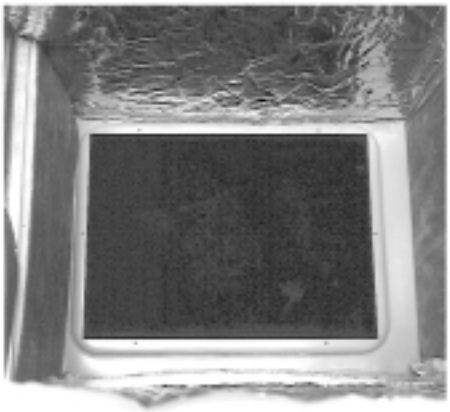
These quality features are included in the Ruud® Package Dual Fuel Unit



(NOT INCLUDED WITH THE UNIT)



Features Below Correspond to Photos on Page 3

1. A Package Dual Fuel Unit is a Package Heat Pump with a gas furnace installed in the heat section instead of electric heat that is in a standard Package Heat Pump. Generally, heating is satisfied by operation of the Heat Pump above a outdoor temperature balance point and below the outdoor temperature balance point the gas furnace is utilized to satisfy the heat requirement. This hybrid package system allows for both comfort and energy savings. It is more cost effective above the balance point to run electricity and the heat pump provides adequate supply air temperature at these outdoor temperatures to assure comfort. Below the balance point it is more economical and provides better comfort to utilize gas heat. All models feature Copeland® Scroll® compressors for maximum efficiency and quiet operation. This unit contains a special scroll compressor that is designed specifically to operate with R-410A Refrigerants and polyolester (POE) oils. The compressor is hermetically sealed and incorporates internal high temperature motor overload protection and durable insulation on the motor windings. It is externally mounted on rubber grommets to reduce vibration and noise.
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 indoor 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 package dual fuel 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. Package dual-fuel utilizes demand defrost control which monitors the outdoor ambient temperature, outdoor coil temperature, and compressor runtime to determine when a defrost cycle is required.
13. Single point wiring makes installation even easier.
14. Our package dual fuel units feature a tubular stainless steel heat exchanger design. Tubular heat exchangers are more efficient and durable than older-style clamshell heat exchangers and stainless steel is more corrosion resistant than aluminized steel. The heat exchanger is backed by a lifetime limited warranty.
15. Rugged Baserail for improved installation and handling.
16. Filter Drier Standard on all models.
17. Reversing valve directs flow of refrigerant and reverses the refrigerant flow when heating is required.
18. The specially designed thermostat and outdoor ambient sensor offered by Ruud optimizes the performance of the package dual fuel unit. It is conveniently pre-programmed for quick trouble-free installation. (Not included with the unit) Model No. UHC-TST402DFMS.

R Q P W — B 036 J K 08 E BVA

- **BVA** — Factory Installed Options (Side-flow, stainless-steel heat exchanger)
- **E** — Ignition System
  E = Electric
  X = Electric No_X
- **08** — Heating Capacity (MBH)
  06 = 60,000 [17.6]
  08 = 80,000 [23.4]
  10 = 100,000 [29.3]
- **K** — Drive Package
  K = Direct Drive
- **J** — Electrical Designation
  J = 208-230V—1PH—60 Hz
- **036** — Cooling Capacity (BTUH) [kW]
  024 = 24,000 [7.03]
  036 = 36,000 [10.55]
  042 = 42,000 [12.31]
  048 = 48,000 [14.07]
- **B** — Future Technical Variations
- **W** — Design Series
  W = Dual Fuel
- **P** — Efficiency Designation
  P = 14 SEER
- **Q** — Product Classification
  Q = Heat Pump Self Contained
- **R** — Tradebrand
  R = Ruud

[ ] Designates Metric Conversions

NOMINAL SIZES 2-4 TONS [7.0-14.0 kW]

Model RQPW-B Series	B024JK06EBVA	B024JK06XBVA	B024JK08EBVA	B024JK08XBVA
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	25,000 [7.32]	25,000 [7.32]	25,000 [7.32]	25,000 [7.32]
EER/SEER[2]	11.8/14	11.8/14	11.8/14	11.8/14
Nominal CFM/ARI Rated CFM [L/s]	800/850 [378/401]	800/850 [378/401]	800/850 [378/401]	800/850 [378/401]
ARI Net Cooling Capacity Btu [kW]	24,400 [7.15]	24,400 [7.15]	24,400 [7.15]	24,400 [7.15]
Net Sensible Capacity Btu [kW]	18,900 [5.54]	18,900 [5.54]	18,900 [5.54]	18,900 [5.54]
Net Latent Capacity Btu [kW]	5,500 [1.61]	5,500 [1.61]	5,500 [1.61]	5,500 [1.61]
Net System Power kW	2.06	2.06	2.06	2.06
Heating Performance (Heat Pumps)[3]				
High Temp. Btuh [kW] Rating	23,800 [6.97]	23,800 [6.97]	23,800 [6.97]	23,800 [6.97]
System Power KW / COP	1.94/3.5	1.94/3.5	1.94/3.5	1.94/3.5
Low Temp. Btuh [kW] Rating	13,800 [4.04]	13,800 [4.04]	13,800 [4.04]	13,800 [4.04]
System Power KW / COP	1.78/2.2	1.78/2.2	1.78/2.2	1.78/2.2
HSPF (Btu/Watts-hr)	8	8	8	8
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	60,000 [17.58]	60,000 [17.58]	80,000 [23.44]	80,000 [23.44]
Heating Output Btu [kW]	47,000 [13.77]	47,000 [13.77]	62,000 [18.17]	62,000 [18.17]
Temperature Rise Range ˚F [˚C]	40-70 [22.2/38.9]	40-70 [22.2/38.9]	55-85 [30.6/47.2]	55-85 [30.6/47.2]
AFUE (%)[4]	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	3	3	4	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/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland 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]	14.51 [1.35]	14.51 [1.35]	14.51 [1.35]	14.51 [1.35]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
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]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
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 1/5 HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/5 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 [228.6x177.8]	1/9x7 [228.6x177.8]	1/9x7 [228.6x177.8]	1/9x7 [228.6x177.8]
Drive Type/No. Speeds	Direct/4	Direct/4	Direct/4	Direct/4
No. Motors	1	1	1	1
Motor HP	1/3	1/3	1/3	1/3
Motor RPM	1050	1050	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)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]
Refrigerant Charge Oz. [g]	98 [2778]	98 [2778]	98 [2778]	98 [2778]
Weights				
Net Weight lbs. [kg]	440 [200]	440 [200]	445 [202]	445 [205]
Ship Weight lbs. [kg]	450 [204]	450 [204]	455 [206]	455 [206]

See Page 10 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-4 TONS [7.0-14.0 kW]

Model RQPW-B Series	B030JK08EBVA	B030JK08XBVA	B036JK08EBVA	B036JK08XBVA
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	29,800 [8.73]	29,800 [8.73]	36,800 [10.78]	36,800 [10.78]
EER/SEER[2]	12/14	12/14	12/14	12/14
Nominal CFM/ARI Rated CFM [L/s]	1000/1050 [472/495]	1000/1050 [472/495]	1200/1250 [566/590]	1200/1250 [566/590]
ARI Net Cooling Capacity Btu [kW]	29,200 [8.56]	29,200 [8.56]	36,000 [10.55]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	23,000 [6.74]	23,000 [6.74]	27,000 [7.91]	27,000 [7.91]
Net Latent Capacity Btu [kW]	6,200 [1.82]	6,200 [1.82]	9,000 [2.64]	9,000 [2.64]
Net System Power kW	2.43	2.43	3	3
Heating Performance (Heat Pumps)[3]				
High Temp. Btuh [kW] Rating	27,800 [8.15]	27,800 [8.15]	33,200 [9.73]	33,200 [9.73]
System Power KW / COP	2.27/3.6	2.27/3.6	2.73/3.6	2.73/3.6
Low Temp. Btuh [kW] Rating	15,500 [4.54]	15,500 [4.54]	18,000 [5.27]	18,000 [5.27]
System Power KW / COP	2.07/2.2	2.07/2.2	2.5/2.2	2.5/2.2
HSPF (Btu/Watts-hr)	8	8	8	8
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	80,000 [23.44]	80,000 [23.44]	80,000 [23.44]	80,000 [23.44]
Heating Output Btu [kW]	62,000 [18.17]	62,000 [18.17]	62,000 [18.17]	62,000 [18.17]
Temperature Rise Range ˚F [˚C]	40-70 [22.2/38.9]	40-70 [22.2/38.9]	40-70 [22.2/38.9]	40-70 [22.2/38.9]
AFUE (%)[4]	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	4	4	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/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland 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]	16.32 [1.52]	16.32 [1.52]	11.2 [1.04]	11.2 [1.04]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
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]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
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 1/5 HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/5 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 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/5	Direct/5	Direct/5	Direct/5
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1050	1050	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]	108 [3062]	108 [3062]	146 [4139]	146 [4139]
Weights				
Net Weight lbs. [kg]	485 [220]	485 [220]	506 [230]	506 [230]
Ship Weight lbs. [kg]	496 [225]	496 [225]	517 [235]	517 [235]

See Page 10 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-4 TONS [7.0-14.0 kW]

Model RQPW-B Series	B036JK10EBVA	B036JK10XBVA	B042JK10EBVA	B042JK10XBVA
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	36,800 [10.78]	43,500 [12.75]	43,500 [12.75]
EER/SEER[2]	12/14	12/14	11.3/14	11.3/14
Nominal CFM/ARI Rated CFM [L/s]	1200/1250 [566/590]	1200/1250 [566/590]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	42,500 [12.45]	42,500 [12.45]
Net Sensible Capacity Btu [kW]	27,000 [7.91]	27,000 [7.91]	31,500 [9.23]	31,500 [9.23]
Net Latent Capacity Btu [kW]	9,000 [2.64]	9,000 [2.64]	11,000 [3.22]	11,000 [3.22]
Net System Power kW	3	3	3.76	3.76
Heating Performance (Heat Pumps)[3]				
High Temp. Btuh [kW] Rating	33,200 [9.73]	33,200 [9.73]	41,500 [12.16]	41,500 [12.16]
System Power KW / COP	2.73/3.6	2.73/3.6	3.65/3.4	3.65/3.4
Low Temp. Btuh [kW] Rating	18,000 [5.27]	18,000 [5.27]	24,200 [7.09]	24,200 [7.09]
System Power KW / COP	2.5/2.2	2.5/2.2	3.43/2.08	3.43/2.08
HSPF (Btu/Watts-hr)	8	8	8	8
Heating Performance (Package Gas/Electric)[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]	77,000 [22.56]	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 (%)[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/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland 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]	11.2 [1.04]	11.2 [1.04]	16.32 [1.52]	16.32 [1.52]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
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]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
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]	3300 [1557]	3300 [1557]
No. Motors/HP	1 at 1/5 HP	1 at 1/5 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 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/5	Direct/5	Direct/4	Direct/4
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
Motor RPM	1050	1050	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]	146 [4139]	146 [4139]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	510 [231]	510 [231]	572 [259]	572 [259]
Ship Weight lbs. [kg]	521 [230]	521 [230]	583 [264]	583 [264]

See Page 10 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-4 TONS [7.0-14.0 kW]

Model RQPW-B Series	B048JK10EBVA	B048JK10XBVA
Cooling Performance[1]		
Gross Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]
EER/SEER[2]	11.5/14	11.5/14
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	47,500 [13.92]	47,500 [13.92]
Net Sensible Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]
Net Latent Capacity Btu [kW]	11,500 [3.37]	11,500 [3.37]
Net System Power kW	4.13	4.13
Heating Performance (Heat Pumps)[3]		
High Temp. Btuh [kW] Rating	46,000 [13.48]	46,000 [13.48]
System Power KW / COP	3.89/3.45	3.89/3.45
Low Temp. Btuh [kW] Rating	26,600 [7.79]	26,600 [7.79]
System Power KW / COP	3.57/2.2	3.57/2.2
HSPF (Btu/Watts-hr)	8	8
Heating Performance (Package Gas/Electric)[3]		
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	77,000 [22.56]	77,000 [22.56]
Temperature Rise Range ˚F [˚C]	45-85 [25/47.2]	45-85 [25/47.2]
AFUE (%)[4]	80	80
Steady State Efficiency (%)	81	81
No. Burners	5	5
No. Stages	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]
Compressor		
No./Type	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78
Outdoor Coil—Fin Type	Louvered	Louvered
Tube Type	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.32 [1.52]	16.32 [1.52]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves
Indoor Coil—Fin Type	Louvered	Louvered
Tube Type	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	3000 [1416]	3000 [1416]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/4	Direct/4
No. Motors	1	1
Motor HP	3/4	3/4
Motor RPM	1050	1050
Motor Frame Size	48	48
Filter—Type	Field Supplied	Field Supplied
Furnished	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	183 [5188]	183 [5188]
Weights		
Net Weight lbs. [kg]	604 [274]	604 [274]
Ship Weight lbs. [kg]	615 [279]	615 [279]

See Page 10 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 ±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 is rated at 47° F ambient, 70° F entering dry bulb for High Temp rating and 17° F ambient, 70° F entering dry bulb for Low Temp rating. Performance ratings do include the effect of fan motor heat. 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.

COOLING PERFORMANCE DATA—RQPW-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]			940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]
DR ①			.15	.13	.11	.15	.13	.11	.15	.13	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	29.9 [8.76]	29.4 [8.62]	28.8 [8.44]	28.6 [8.38]	28.0 [8.21]	27.5 [8.06]	27.6 [8.09]	27.1 [7.94]	26.6 [7.80]
		Sens BTUH [kW]	19.2 [5.63]	18.4 [5.39]	17.5 [5.13]	22.0 [6.45]	21.0 [6.15]	20.1 [5.89]	23.3 [6.83]	22.3 [6.54]	21.2 [6.21]
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	80 [26.7]	Total BTUH [kW]	29.7 [8.70]	29.1 [8.53]	28.6 [8.38]	28.3 [8.29]	27.8 [8.15]	27.3 [8.00]	27.3 [8.00]	26.8 [7.85]	26.4 [7.74]
		Sens BTUH [kW]	19.0 [5.57]	18.1 [5.30]	17.3 [5.07]	21.8 [6.39]	20.8 [6.10]	19.9 [5.83]	23.1 [6.77]	22.1 [6.48]	21.0 [6.15]
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	85 [29.4]	Total BTUH [kW]	29.0 [8.50]	28.5 [8.35]	27.9 [8.18]	27.6 [8.09]	27.2 [7.97]	26.7 [7.83]	26.7 [7.83]	26.2 [7.68]	25.7 [7.53]
		Sens BTUH [kW]	18.6 [5.45]	17.8 [5.22]	16.9 [4.95]	21.4 [6.27]	20.5 [6.01]	19.5 [5.71]	22.7 [6.65]	21.7 [6.36]	20.7 [6.07]
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	90 [32.2]	Total BTUH [kW]	28.0 [8.21]	27.5 [8.06]	27.0 [7.91]	26.6 [7.80]	26.2 [7.68]	25.7 [7.53]	25.6 [7.50]	25.2 [7.39]	24.7 [7.24]
		Sens BTUH [kW]	18.1 [5.30]	17.3 [5.07]	16.5 [4.84]	20.9 [6.13]	20.0 [5.86]	19.1 [5.60]	22.2 [6.51]	21.2 [6.21]	20.2 [5.92]
		Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	95 [35]	Total BTUH [kW]	26.7 [7.83]	26.3 [7.71]	25.8 [7.56]	25.4 [7.44]	24.9 [7.30]	24.5 [7.18]	24.4 [7.15]	24.0 [7.03]	23.5 [6.89]
		Sens BTUH [kW]	17.5 [5.13]	16.7 [4.89]	16.0 [4.69]	20.4 [5.98]	19.4 [5.69]	18.5 [5.42]	21.6 [6.33]	20.7 [6.07]	19.7 [5.77]
		Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	100 [37.8]	Total BTUH [kW]	25.4 [7.44]	24.9 [7.30]	24.5 [7.18]	24.0 [7.03]	23.6 [6.92]	23.2 [6.80]	23.0 [6.74]	22.6 [6.62]	22.2 [6.51]
		Sens BTUH [kW]	16.9 [4.95]	16.1 [4.72]	15.4 [4.51]	19.7 [5.77]	18.8 [5.51]	18.0 [5.28]	21.0 [6.15]	20.1 [5.89]	19.1 [5.60]
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	105 [40.6]	Total BTUH [kW]	24.0 [7.03]	23.6 [6.92]	23.1 [6.77]	22.6 [6.62]	22.2 [6.51]	21.8 [6.39]	21.7 [6.36]	21.3 [6.24]	20.9 [6.13]
		Sens BTUH [kW]	16.3 [4.78]	15.5 [4.54]	14.8 [4.34]	19.1 [5.60]	18.2 [5.33]	17.4 [5.10]	20.4 [5.98]	19.5 [5.71]	18.5 [5.42]
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	110 [43.3]	Total BTUH [kW]	22.7 [6.65]	22.3 [6.54]	21.9 [6.42]	21.4 [6.27]	21.0 [6.15]	20.6 [6.04]	20.4 [5.98]	20.0 [5.86]	19.6 [5.74]
		Sens BTUH [kW]	15.6 [4.57]	14.9 [4.37]	14.2 [4.16]	18.5 [5.42]	17.6 [5.16]	16.8 [4.92]	19.7 [5.77]	18.9 [5.54]	18.0 [5.28]
		Power	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	115 [46.1]	Total BTUH [kW]	21.6 [6.33]	21.2 [6.21]	20.8 [6.10]	20.2 [5.92]	19.9 [5.83]	19.5 [5.71]	19.3 [5.66]	18.9 [5.54]	18.6 [5.45]
		Sens BTUH [kW]	15.1 [4.43]	14.4 [4.22]	13.7 [4.02]	17.9 [5.25]	17.1 [5.01]	16.3 [4.78]	19.2 [5.63]	18.3 [5.36]	17.5 [5.13]
		Power	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3

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)].

HEATING PERFORMANCE DATA—RQPW-B024

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	8.9 [2.61]	8.8 [2.58]	8.7 [2.55]	8.0 [2.34]	7.9 [2.32]	7.9 [2.32]	6.5 [1.90]	6.5 [1.90]	6.4 [1.88]
		Power	1.4	1.4	1.4	1.6	1.6	1.6	1.8	1.8	1.9
	5 [-15]	Total BTUH [kW]	10.5 [3.08]	10.4 [3.05]	10.3 [3.02]	9.6 [2.81]	9.5 [2.78]	9.5 [2.78]	8.2 [2.40]	8.1 [2.37]	8.1 [2.37]
		Power	1.4	1.4	1.5	1.6	1.6	1.6	1.8	1.9	1.9
	10 [-12.2]	Total BTUH [kW]	12.1 [3.55]	12.0 [3.52]	12.0 [3.52]	11.2 [3.28]	11.2 [3.28]	11.1 [3.25]	9.8 [2.87]	9.7 [2.84]	9.7 [2.84]
		Power	1.4	1.5	1.5	1.6	1.6	1.7	1.9	1.9	1.9
	15 [-9.4]	Total BTUH [kW]	13.8 [4.04]	13.7 [4.02]	13.6 [3.99]	12.9 [3.78]	12.8 [3.75]	12.7 [3.72]	11.4 [3.34]	11.4 [3.34]	11.3 [3.31]
		Power	1.5	1.5	1.5	1.6	1.7	1.7	1.9	1.9	1.9
	20 [-6.7]	Total BTUH [kW]	15.4 [4.51]	15.3 [4.48]	15.2 [4.45]	14.5 [4.25]	14.4 [4.22]	14.3 [4.19]	13.1 [3.84]	13.0 [3.81]	12.9 [3.78]
		Power	1.5	1.5	1.5	1.7	1.7	1.7	1.9	1.9	1.9
	25 [-3.9]	Total BTUH [kW]	17.0 [4.98]	16.9 [4.95]	16.8 [4.92]	16.1 [4.72]	16.0 [4.69]	15.9 [4.66]	14.7 [4.31]	14.6 [4.28]	14.5 [4.25]
		Power	1.5	1.5	1.5	1.7	1.7	1.7	1.9	1.9	2.0
	30 [-1.1]	Total BTUH [kW]	18.7 [5.48]	18.5 [5.42]	18.4 [5.39]	17.8 [5.22]	17.6 [5.16]	17.5 [5.13]	16.3 [4.78]	16.2 [4.75]	16.1 [4.72]
		Power	1.5	1.5	1.6	1.7	1.7	1.7	1.9	2.0	2.0
	35 [1.7]	Total BTUH [kW]	20.3 [5.95]	20.1 [5.89]	20.0 [5.86]	19.4 [5.69]	19.3 [5.66]	19.1 [5.60]	18.0 [5.28]	17.8 [5.22]	17.7 [5.19]
		Power	1.5	1.6	1.6	1.7	1.7	1.8	2.0	2.0	2.0
	40 [4.4]	Total BTUH [kW]	21.9 [6.42]	21.8 [6.39]	21.6 [6.33]	21.0 [6.15]	20.9 [6.13]	20.7 [6.07]	19.6 [5.74]	19.5 [5.71]	19.3 [5.66]
		Power	1.6	1.6	1.6	1.7	1.8	1.8	2.0	2.0	2.0
	45 [7.2]	Total BTUH [kW]	23.6 [6.92]	23.4 [6.86]	23.2 [6.80]	22.7 [6.65]	22.5 [6.59]	22.3 [6.54]	21.2 [6.21]	21.1 [6.18]	20.9 [6.13]
		Power	1.6	1.6	1.6	1.8	1.8	1.8	2.0	2.0	2.1
	50 [10]	Total BTUH [kW]	25.2 [7.39]	25.0 [7.33]	24.8 [7.27]	24.3 [7.12]	24.1 [7.06]	24.0 [7.03]	22.9 [6.71]	22.7 [6.65]	22.5 [6.59]
		Power	1.6	1.6	1.6	1.8	1.8	1.8	2.0	2.0	2.1

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—RQPW-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]			1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]
DR ①			.15	.13	.11	.15	.13	.11	.15	.13	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	36.9 [10.81]	36.2 [10.61]	35.5 [10.40]	34.9 [10.23]	34.2 [10.02]	33.6 [9.85]	33.5 [9.82]	32.9 [9.64]	32.3 [9.47]
		Sens BTUH [kW]	23.7 [6.95]	22.6 [6.62]	21.5 [6.30]	26.9 [7.88]	25.7 [7.53]	24.5 [7.18]	28.4 [8.32]	27.1 [7.94]	25.8 [7.56]
		Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	80 [26.7]	Total BTUH [kW]	35.7 [10.46]	35.1 [10.29]	34.4 [10.08]	33.7 [9.88]	33.1 [9.70]	32.5 [9.52]	32.3 [9.47]	31.8 [9.32]	31.2 [9.14]
		Sens BTUH [kW]	23.1 [6.77]	22.0 [6.45]	21.0 [6.15]	26.3 [7.71]	25.2 [7.39]	24.0 [7.03]	27.8 [8.15]	26.5 [7.77]	25.3 [7.41]
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	85 [29.4]	Total BTUH [kW]	34.6 [10.14]	33.9 [9.94]	33.3 [9.76]	32.6 [9.55]	32.0 [9.38]	31.4 [9.20]	31.2 [9.14]	30.6 [8.97]	30.1 [8.82]
		Sens BTUH [kW]	22.5 [6.59]	21.5 [6.30]	20.5 [6.01]	25.8 [7.56]	24.6 [7.21]	23.5 [6.89]	27.2 [7.97]	26.0 [7.62]	24.8 [7.27]
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	90 [32.2]	Total BTUH [kW]	33.4 [9.79]	32.8 [9.61]	32.2 [9.44]	31.4 [9.20]	30.9 [9.06]	30.3 [8.88]	30.1 [8.82]	29.5 [8.65]	29.0 [8.50]
		Sens BTUH [kW]	21.9 [6.42]	20.9 [6.13]	20.0 [5.86]	25.2 [7.39]	24.1 [7.06]	23.0 [6.74]	26.6 [7.80]	25.4 [7.44]	24.3 [7.12]
		Power	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	95 [35]	Total BTUH [kW]	32.3 [9.47]	31.7 [9.29]	31.1 [9.11]	30.3 [8.88]	29.8 [8.73]	29.2 [8.56]	28.9 [8.47]	28.4 [8.32]	27.9 [8.18]
		Sens BTUH [kW]	21.4 [6.27]	20.4 [5.98]	19.5 [5.71]	24.7 [7.24]	23.6 [6.92]	22.5 [6.59]	26.1 [7.65]	24.9 [7.30]	23.8 [6.98]
		Power	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.3
	100 [37.8]	Total BTUH [kW]	31.1 [9.11]	30.6 [8.97]	30.0 [8.79]	29.1 [8.53]	28.6 [8.38]	28.1 [8.24]	27.8 [8.15]	27.3 [8.00]	26.8 [7.85]
		Sens BTUH [kW]	20.8 [6.10]	19.9 [5.83]	19.0 [5.57]	24.1 [7.06]	23.0 [6.74]	22.0 [6.45]	25.5 [7.47]	24.4 [7.15]	23.3 [6.83]
		Power	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4
	105 [40.6]	Total BTUH [kW]	30.0 [8.79]	29.4 [8.62]	28.9 [8.47]	28.0 [8.21]	27.5 [8.06]	27.0 [7.91]	26.6 [7.80]	26.1 [7.65]	25.6 [7.50]
		Sens BTUH [kW]	20.3 [5.95]	19.4 [5.69]	18.5 [5.42]	23.6 [6.92]	22.5 [6.59]	21.5 [6.30]	25.0 [7.33]	23.9 [7.00]	22.8 [6.68]
		Power	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.5
	110 [43.3]	Total BTUH [kW]	28.7 [8.41]	28.2 [8.26]	27.7 [8.12]	26.7 [7.83]	26.2 [7.68]	25.8 [7.56]	25.4 [7.44]	24.9 [7.30]	24.5 [7.18]
		Sens BTUH [kW]	19.7 [5.77]	18.8 [5.51]	18.0 [5.28]	23.0 [6.74]	22.0 [6.45]	21.0 [6.15]	24.4 [7.15]	23.4 [6.86]	22.3 [6.54]
		Power	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6
	115 [46.1]	Total BTUH [kW]	27.4 [8.03]	26.9 [7.88]	26.4 [7.74]	25.4 [7.44]	25.0 [7.33]	24.5 [7.18]	24.1 [7.06]	23.6 [6.92]	23.2 [6.80]
		Sens BTUH [kW]	19.2 [5.63]	18.3 [5.36]	17.5 [5.13]	22.5 [6.59]	21.5 [6.30]	20.5 [6.01]	23.9 [7.00]	22.8 [6.68]	21.8 [6.39]
		Power	2.7	2.7	2.7	2.7	2.6	2.6	2.7	2.7	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 x CFM x (1 – DR) x (dbE – 80)].

HEATING PERFORMANCE DATA—RQPW-B030

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	9.5 [2.78]	9.5 [2.78]	9.4 [2.75]	8.0 [2.34]	7.9 [2.32]	7.9 [2.32]	6.6 [1.93]	6.5 [1.90]	6.5 [1.90]
		Power	1.6	1.6	1.6	1.8	1.8	1.8	2.0	2.0	2.1
	5 [-15]	Total BTUH [kW]	11.5 [3.37]	11.4 [3.34]	11.3 [3.31]	9.9 [2.90]	9.8 [2.87]	9.8 [2.87]	8.5 [2.49]	8.4 [2.46]	8.4 [2.46]
		Power	1.6	1.6	1.6	1.8	1.8	1.9	2.0	2.1	2.1
	10 [-12.2]	Total BTUH [kW]	13.4 [3.93]	13.3 [3.90]	13.2 [3.87]	11.8 [3.46]	11.8 [3.46]	11.7 [3.43]	10.4 [3.05]	10.3 [3.02]	10.3 [3.02]
		Power	1.6	1.7	1.7	1.9	1.9	1.9	2.1	2.1	2.1
	15 [-9.4]	Total BTUH [kW]	15.3 [4.48]	15.2 [4.45]	15.1 [4.43]	13.8 [4.04]	13.7 [4.02]	13.6 [3.99]	12.3 [3.60]	12.3 [3.60]	12.2 [3.58]
		Power	1.7	1.7	1.7	1.9	1.9	1.9	2.1	2.1	2.2
	20 [-6.7]	Total BTUH [kW]	17.2 [5.04]	17.1 [5.01]	17.0 [4.98]	15.7 [4.60]	15.6 [4.57]	15.5 [4.54]	14.3 [4.19]	14.2 [4.16]	14.1 [4.13]
		Power	1.7	1.7	1.7	1.9	1.9	2.0	2.1	2.2	2.2
	25 [-3.9]	Total BTUH [kW]	19.2 [5.63]	19.0 [5.57]	18.9 [5.54]	17.6 [5.16]	17.5 [5.13]	17.4 [5.10]	16.2 [4.75]	16.1 [4.72]	16.0 [4.69]
		Power	1.7	1.8	1.8	1.9	2.0	2.0	2.2	2.2	2.2
	30 [-1.1]	Total BTUH [kW]	21.1 [6.18]	20.9 [6.13]	20.8 [6.10]	19.5 [5.71]	19.4 [5.69]	19.3 [5.66]	18.1 [5.30]	18.0 [5.28]	17.9 [5.25]
		Power	1.8	1.8	1.8	2.0	2.0	2.0	2.2	2.2	2.3
	35 [1.7]	Total BTUH [kW]	23.0 [6.74]	22.8 [6.68]	22.7 [6.65]	21.5 [6.30]	21.3 [6.24]	21.2 [6.21]	20.0 [5.86]	19.9 [5.83]	19.7 [5.77]
		Power	1.8	1.8	1.8	2.0	2.0	2.1	2.2	2.3	2.3
	40 [4.4]	Total BTUH [kW]	24.9 [7.30]	24.8 [7.27]	24.6 [7.21]	23.4 [6.86]	23.2 [6.80]	23.0 [6.74]	22.0 [6.45]	21.8 [6.39]	21.6 [6.33]
		Power	1.8	1.8	1.9	2.0	2.1	2.1	2.3	2.3	2.3
	45 [7.2]	Total BTUH [kW]	26.9 [7.88]	26.7 [7.83]	26.5 [7.77]	25.3 [7.41]	25.1 [7.36]	24.9 [7.30]	23.9 [7.00]	23.7 [6.95]	23.5 [6.89]
		Power	1.9	1.9	1.9	2.1	2.1	2.1	2.3	2.3	2.4
	50 [10]	Total BTUH [kW]	28.8 [8.44]	28.6 [8.38]	28.4 [8.32]	27.2 [7.97]	27.0 [7.91]	26.8 [7.85]	25.8 [7.56]	25.6 [7.50]	25.4 [7.44]
		Power	1.9	1.9	1.9	2.1	2.1	2.2	2.3	2.4	2.4

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—RQPW-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]			1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]
DR ①			.19	.18	.16	.19	.18	.16	.19	.18	.16
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	45.0 [13.19]	44.2 [12.95]	43.4 [12.72]	42.9 [12.57]	42.2 [12.37]	41.4 [12.13]	41.8 [12.25]	41.0 [12.02]	40.3 [11.81]
		Sens BTUH [kW]	27.7 [8.12]	26.5 [7.77]	25.3 [7.41]	31.8 [9.32]	30.4 [8.91]	28.9 [8.47]	34.2 [10.02]	32.6 [9.55]	31.1 [9.11]
		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]	43.9 [12.87]	43.1 [12.63]	42.3 [12.40]	41.8 [12.25]	41.1 [12.05]	40.3 [11.81]	40.7 [11.93]	39.9 [11.69]	39.2 [11.49]
		Sens BTUH [kW]	27.1 [7.94]	25.9 [7.59]	24.7 [7.24]	31.2 [9.14]	29.8 [8.73]	28.4 [8.32]	33.5 [9.82]	32.0 [9.38]	30.5 [8.94]
		Power	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.3	2.3
	85 [29.4]	Total BTUH [kW]	42.6 [12.48]	41.8 [12.25]	41.0 [12.02]	40.5 [11.87]	39.8 [11.66]	39.1 [11.46]	39.4 [11.55]	38.7 [11.34]	37.9 [11.11]
		Sens BTUH [kW]	26.5 [7.77]	25.3 [7.41]	24.1 [7.06]	30.5 [8.94]	29.1 [8.53]	27.8 [8.15]	32.9 [9.64]	31.4 [9.20]	29.9 [8.76]
		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]	41.1 [12.05]	40.3 [11.81]	39.6 [11.61]	39.0 [11.43]	38.3 [11.22]	37.6 [11.02]	37.9 [11.11]	37.2 [10.90]	36.5 [10.70]
		Sens BTUH [kW]	25.7 [7.53]	24.6 [7.21]	23.5 [6.89]	29.8 [8.73]	28.5 [8.35]	27.1 [7.94]	32.2 [9.44]	30.7 [9.00]	29.3 [8.59]
		Power	2.7	2.7	2.6	2.7	2.6	2.6	2.6	2.6	2.6
	95 [35]	Total BTUH [kW]	39.5 [11.58]	38.8 [11.37]	38.1 [11.17]	37.4 [10.96]	36.8 [10.79]	36.1 [10.58]	36.3 [10.64]	35.6 [10.43]	35.0 [10.26]
		Sens BTUH [kW]	25.0 [7.33]	23.9 [7.00]	22.8 [6.68]	29.1 [8.53]	27.8 [8.15]	26.5 [7.77]	31.4 [9.20]	30.0 [8.79]	28.6 [8.38]
		Power	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7
	100 [37.8]	Total BTUH [kW]	37.8 [11.08]	37.1 [10.87]	36.5 [10.70]	35.8 [10.49]	35.1 [10.29]	34.5 [10.11]	34.6 [10.14]	34.0 [9.96]	33.4 [9.79]
		Sens BTUH [kW]	24.2 [7.09]	23.2 [6.80]	22.1 [6.48]	28.3 [8.29]	27.0 [7.91]	25.8 [7.56]	30.7 [9.00]	29.3 [8.59]	27.9 [8.18]
		Power	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	105 [40.6]	Total BTUH [kW]	36.1 [10.58]	35.5 [10.40]	34.8 [10.20]	34.1 [9.99]	33.5 [9.82]	32.8 [9.61]	32.9 [9.64]	32.3 [9.47]	31.7 [9.29]
		Sens BTUH [kW]	23.4 [6.86]	22.4 [6.56]	21.3 [6.24]	27.5 [8.06]	26.3 [7.71]	25.0 [7.33]	29.9 [8.76]	28.5 [8.35]	27.2 [7.97]
		Power	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.0	3.0
	110 [43.3]	Total BTUH [kW]	34.4 [10.08]	33.8 [9.91]	33.2 [9.73]	32.4 [9.50]	31.8 [9.32]	31.2 [9.14]	31.2 [9.14]	30.7 [9.00]	30.1 [8.82]
		Sens BTUH [kW]	22.6 [6.62]	21.6 [6.33]	20.6 [6.04]	26.7 [7.83]	25.5 [7.47]	24.3 [7.12]	29.0 [8.50]	27.7 [8.12]	26.4 [7.74]
		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]	32.8 [9.61]	32.2 [9.44]	31.7 [9.29]	30.8 [9.03]	30.2 [8.85]	29.7 [8.70]	29.6 [8.67]	29.1 [8.53]	28.6 [8.38]
		Sens BTUH [kW]	21.8 [6.39]	20.8 [6.10]	19.8 [5.80]	25.8 [7.56]	24.7 [7.24]	23.5 [6.89]	28.2 [8.26]	26.9 [7.88]	25.7 [7.53]
		Power	3.4	3.4	3.3	3.4	3.3	3.3	3.4	3.3	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)].

HEATING PERFORMANCE DATA—RQPW-B036

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	11.7 [3.43]	11.6 [3.40]	11.5 [3.37]	9.6 [2.81]	9.6 [2.81]	9.5 [2.78]	8.3 [2.43]	8.2 [2.40]	8.1 [2.37]
		Power	1.8	1.9	1.9	2.1	2.1	2.1	2.4	2.4	2.4
	5 [-15]	Total BTUH [kW]	14.1 [4.13]	14.0 [4.10]	13.9 [4.07]	12.1 [3.55]	12.0 [3.52]	11.9 [3.49]	10.7 [3.14]	10.6 [3.11]	10.6 [3.11]
		Power	1.9	1.9	1.9	2.1	2.2	2.2	2.4	2.5	2.5
	10 [-12.2]	Total BTUH [kW]	16.6 [4.86]	16.5 [4.84]	16.3 [4.78]	14.5 [4.25]	14.4 [4.22]	14.3 [4.19]	13.2 [3.87]	13.1 [3.84]	13.0 [3.81]
		Power	1.9	1.9	2.0	2.2	2.2	2.2	2.5	2.5	2.5
	15 [-9.4]	Total BTUH [kW]	19.0 [5.57]	18.9 [5.54]	18.8 [5.51]	17.0 [4.98]	16.9 [4.95]	16.7 [4.89]	15.6 [4.57]	15.5 [4.54]	15.4 [4.51]
		Power	2.0	2.0	2.0	2.2	2.2	2.3	2.5	2.5	2.6
	20 [-6.7]	Total BTUH [kW]	21.5 [6.30]	21.3 [6.24]	21.2 [6.21]	19.4 [5.69]	19.3 [5.66]	19.2 [5.63]	18.1 [5.30]	17.9 [5.25]	17.8 [5.22]
		Power	2.0	2.0	2.1	2.3	2.3	2.3	2.5	2.6	2.6
	25 [-3.9]	Total BTUH [kW]	23.9 [7.00]	23.8 [6.98]	23.6 [6.92]	21.9 [6.42]	21.7 [6.36]	21.6 [6.33]	20.5 [6.01]	20.4 [5.98]	20.2 [5.92]
		Power	2.0	2.1	2.1	2.3	2.3	2.4	2.6	2.6	2.7
	30 [-1.1]	Total BTUH [kW]	26.4 [7.74]	26.2 [7.68]	26.0 [7.62]	24.3 [7.12]	24.2 [7.09]	24.0 [7.03]	23.0 [6.74]	22.8 [6.68]	22.6 [6.62]
		Power	2.1	2.1	2.1	2.3	2.4	2.4	2.6	2.7	2.7
	35 [1.7]	Total BTUH [kW]	28.8 [8.44]	28.6 [8.38]	28.4 [8.32]	26.8 [7.85]	26.6 [7.80]	26.4 [7.74]	25.4 [7.44]	25.2 [7.39]	25.1 [7.36]
		Power	2.1	2.1	2.2	2.4	2.4	2.4	2.7	2.7	2.7
	40 [4.4]	Total BTUH [kW]	31.3 [9.17]	31.1 [9.11]	30.8 [9.03]	29.2 [8.56]	29.0 [8.50]	28.8 [8.44]	27.9 [8.18]	27.7 [8.12]	27.5 [8.06]
		Power	2.2	2.2	2.2	2.4	2.4	2.5	2.7	2.7	2.8
	45 [7.2]	Total BTUH [kW]	33.7 [9.88]	33.5 [9.82]	33.3 [9.76]	31.7 [9.29]	31.5 [9.23]	31.3 [9.17]	30.3 [8.88]	30.1 [8.82]	29.9 [8.76]
		Power	2.2	2.2	2.3	2.5	2.5	2.5	2.8	2.8	2.8
	50 [10]	Total BTUH [kW]	36.2 [10.61]	35.9 [10.52]	35.7 [10.46]	34.2 [10.02]	33.9 [9.94]	33.7 [9.88]	32.8 [9.61]	32.5 [9.52]	32.3 [9.47]
		Power	2.2	2.3	2.3	2.5	2.5	2.6	2.8	2.8	2.9

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—RQPW-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			.17	.15	.14	.17	.15	.14	.17	.15	.14
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	53.9 [15.80]	52.9 [15.50]	51.9 [15.21]	50.9 [14.92]	50.0 [14.65]	49.1 [14.39]	48.1 [14.10]	47.3 [13.86]	46.4 [13.60]
		Sens BTUH [kW]	32.2 [9.44]	30.7 [9.00]	29.3 [8.59]	37.1 [10.87]	35.5 [10.40]	33.8 [9.91]	39.3 [11.52]	37.5 [10.99]	35.8 [10.49]
		Power	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	80 [26.7]	Total BTUH [kW]	52.0 [15.24]	51.0 [14.95]	50.1 [14.68]	49.0 [14.36]	48.1 [14.10]	47.2 [13.83]	46.2 [13.54]	45.4 [13.31]	44.6 [13.07]
		Sens BTUH [kW]	31.3 [9.17]	29.9 [8.76]	28.5 [8.35]	36.3 [10.64]	34.7 [10.17]	33.0 [9.67]	38.4 [11.25]	36.7 [10.76]	35.0 [10.26]
		Power	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.1	3.0
	85 [29.4]	Total BTUH [kW]	50.3 [14.74]	49.4 [14.48]	48.5 [14.21]	47.3 [13.86]	46.5 [13.63]	45.6 [13.36]	44.6 [13.07]	43.8 [12.84]	43.0 [12.60]
		Sens BTUH [kW]	30.5 [8.94]	29.2 [8.56]	27.8 [8.15]	35.5 [10.40]	33.9 [9.94]	32.3 [9.47]	37.6 [11.02]	35.9 [10.52]	34.3 [10.05]
		Power	3.3	3.2	3.2	3.3	3.2	3.2	3.2	3.2	3.2
	90 [32.2]	Total BTUH [kW]	48.7 [14.27]	47.9 [14.04]	47.0 [13.77]	45.8 [13.42]	44.9 [13.16]	44.1 [12.92]	43.0 [12.60]	42.2 [12.37]	41.5 [12.16]
		Sens BTUH [kW]	29.8 [8.73]	28.4 [8.32]	27.1 [7.94]	34.7 [10.17]	33.2 [9.73]	31.6 [9.26]	36.8 [10.79]	35.2 [10.32]	33.6 [9.85]
		Power	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	95 [35]	Total BTUH [kW]	47.2 [13.83]	46.4 [13.60]	45.5 [13.33]	44.2 [12.95]	43.4 [12.72]	42.7 [12.51]	41.5 [12.16]	40.7 [11.93]	40.0 [11.72]
		Sens BTUH [kW]	29.0 [8.50]	27.7 [8.12]	26.4 [7.74]	34.0 [9.96]	32.4 [9.50]	30.9 [9.06]	36.1 [10.58]	34.5 [10.11]	32.9 [9.64]
		Power	3.6	3.6	3.5	3.6	3.6	3.5	3.6	3.6	3.5
	100 [37.8]	Total BTUH [kW]	45.6 [13.36]	44.8 [13.13]	44.0 [12.90]	42.6 [12.48]	41.9 [12.28]	41.1 [12.05]	39.9 [11.69]	39.2 [11.49]	38.5 [11.28]
		Sens BTUH [kW]	28.2 [8.26]	26.9 [7.88]	25.7 [7.53]	33.2 [9.73]	31.7 [9.29]	30.2 [8.85]	35.3 [10.35]	33.7 [9.88]	32.1 [9.41]
		Power	3.8	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.7
	105 [40.6]	Total BTUH [kW]	43.8 [12.84]	43.0 [12.60]	42.3 [12.40]	40.8 [11.96]	40.1 [11.75]	39.4 [11.55]	38.1 [11.17]	37.4 [10.96]	36.7 [10.76]
		Sens BTUH [kW]	27.4 [8.03]	26.1 [7.65]	24.9 [7.30]	32.3 [9.47]	30.9 [9.06]	29.4 [8.62]	34.4 [10.08]	32.9 [9.64]	31.4 [9.20]
		Power	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	110 [43.3]	Total BTUH [kW]	41.7 [12.22]	41.0 [12.02]	40.2 [11.78]	38.8 [11.37]	38.1 [11.17]	37.4 [10.96]	36.0 [10.55]	35.4 [10.37]	34.7 [10.17]
		Sens BTUH [kW]	26.4 [7.74]	25.2 [7.39]	24.1 [7.06]	31.4 [9.20]	30.0 [8.79]	28.6 [8.38]	33.5 [9.82]	32.0 [9.38]	30.5 [8.94]
		Power	4.1	4.1	4.0	4.1	4.1	4.0	4.1	4.1	4.0
	115 [46.1]	Total BTUH [kW]	39.3 [11.52]	38.6 [11.31]	37.9 [11.11]	36.3 [10.64]	35.6 [10.43]	35.0 [10.26]	33.5 [9.82]	32.9 [9.64]	32.3 [9.47]
		Sens BTUH [kW]	25.4 [7.44]	24.2 [7.09]	23.1 [6.77]	30.3 [8.88]	29.0 [8.50]	27.6 [8.09]	32.4 [9.50]	31.0 [9.09]	29.5 [8.65]
		Power	4.3	4.2	4.2	4.3	4.2	4.2	4.3	4.2	4.2

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)].

HEATING PERFORMANCE DATA—RQPW-B042

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	13.9 [4.07]	13.8 [4.04]	13.7 [4.02]	12.9 [3.78]	12.8 [3.75]	12.8 [3.75]	11.2 [3.28]	11.1 [3.25]	11.1 [3.25]
		Power	2.6	2.6	2.6	3.0	3.0	3.1	3.3	3.4	3.4
	5 [-15]	Total BTUH [kW]	16.9 [4.95]	16.8 [4.92]	16.7 [4.89]	16.0 [4.69]	15.8 [4.63]	15.7 [4.60]	14.2 [4.16]	14.1 [4.13]	14.0 [4.10]
		Power	2.6	2.6	2.7	3.0	3.1	3.1	3.4	3.4	3.5
	10 [-12.2]	Total BTUH [kW]	20.0 [5.86]	19.8 [5.80]	19.7 [5.77]	19.0 [5.57]	18.8 [5.51]	18.7 [5.48]	17.3 [5.07]	17.1 [5.01]	17.0 [4.98]
		Power	2.6	2.7	2.7	3.1	3.1	3.1	3.4	3.5	3.5
	15 [-9.4]	Total BTUH [kW]	23.0 [6.74]	22.8 [6.68]	22.7 [6.65]	22.0 [6.45]	21.8 [6.39]	21.7 [6.36]	20.3 [5.95]	20.1 [5.89]	20.0 [5.86]
		Power	2.7	2.7	2.7	3.1	3.1	3.2	3.5	3.5	3.5
	20 [-6.7]	Total BTUH [kW]	26.0 [7.62]	25.8 [7.56]	25.6 [7.50]	25.0 [7.33]	24.8 [7.27]	24.7 [7.24]	23.3 [6.83]	23.1 [6.77]	23.0 [6.74]
		Power	2.7	2.7	2.8	3.1	3.2	3.2	3.5	3.5	3.6
	25 [-3.9]	Total BTUH [kW]	29.0 [8.50]	28.8 [8.44]	28.6 [8.38]	28.0 [8.21]	27.8 [8.15]	27.6 [8.09]	26.3 [7.71]	26.1 [7.65]	26.0 [7.62]
		Power	2.8	2.8	2.8	3.2	3.2	3.3	3.5	3.6	3.6
	30 [-1.1]	Total BTUH [kW]	32.0 [9.38]	31.8 [9.32]	31.6 [9.26]	31.1 [9.11]	30.8 [9.03]	30.6 [8.97]	29.3 [8.59]	29.1 [8.53]	28.9 [8.47]
		Power	2.8	2.8	2.9	3.2	3.2	3.3	3.6	3.6	3.7
	35 [1.7]	Total BTUH [kW]	35.1 [10.29]	34.8 [10.20]	34.6 [10.14]	34.1 [9.99]	33.8 [9.91]	33.6 [9.85]	32.4 [9.50]	32.1 [9.41]	31.9 [9.35]
		Power	2.8	2.9	2.9	3.2	3.3	3.3	3.6	3.6	3.7
	40 [4.4]	Total BTUH [kW]	38.1 [11.17]	37.8 [11.08]	37.5 [10.99]	37.1 [10.87]	36.8 [10.79]	36.6 [10.73]	35.4 [10.37]	35.1 [10.29]	34.9 [10.23]
		Power	2.9	2.9	2.9	3.3	3.3	3.4	3.6	3.7	3.7
	45 [7.2]	Total BTUH [kW]	41.1 [12.05]	40.8 [11.96]	40.5 [11.87]	40.1 [11.75]	39.8 [11.66]	39.6 [11.61]	38.4 [11.25]	38.1 [11.17]	37.9 [11.11]
		Power	2.9	2.9	3.0	3.3	3.4	3.4	3.7	3.7	3.8
	50 [10]	Total BTUH [kW]	44.1 [12.92]	43.8 [12.84]	43.5 [12.75]	43.1 [12.63]	42.8 [12.54]	42.5 [12.46]	41.4 [12.13]	41.1 [12.05]	40.8 [11.96]
		Power	2.9	3.0	3.0	3.4	3.4	3.4	3.7	3.8	3.8

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—RQPW-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			.15	.13	.11	.15	.13	.11	.15	.13	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	60.4 [17.70]	59.3 [17.38]	58.3 [17.09]	57.1 [16.73]	56.1 [16.44]	55.0 [16.12]	54.5 [15.97]	53.5 [15.68]	52.5 [15.39]
		Sens BTUH [kW]	37.4 [10.96]	35.7 [10.46]	34.1 [9.99]	42.7 [12.51]	40.8 [11.96]	38.9 [11.40]	45.0 [13.19]	43.0 [12.60]	41.0 [12.02]
		Power	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	80 [26.7]	Total BTUH [kW]	58.8 [17.23]	57.8 [16.94]	56.7 [16.62]	55.5 [16.27]	54.5 [15.97]	53.5 [15.68]	52.9 [15.50]	51.9 [15.21]	51.0 [14.95]
		Sens BTUH [kW]	36.6 [10.73]	35.0 [10.26]	33.3 [9.76]	41.9 [12.28]	40.0 [11.72]	38.2 [11.20]	44.2 [12.95]	42.2 [12.37]	40.3 [11.81]
		Power	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2
	85 [29.4]	Total BTUH [kW]	57.0 [16.71]	56.0 [16.41]	55.0 [16.12]	53.7 [15.74]	52.7 [15.44]	51.8 [15.18]	51.1 [14.98]	50.2 [14.71]	49.3 [14.45]
		Sens BTUH [kW]	35.7 [10.46]	34.1 [9.99]	32.5 [9.52]	41.0 [12.02]	39.2 [11.49]	37.3 [10.93]	43.3 [12.69]	41.4 [12.13]	39.4 [11.55]
		Power	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4
	90 [32.2]	Total BTUH [kW]	55.1 [16.15]	54.1 [15.86]	53.1 [15.56]	51.7 [15.15]	50.8 [14.89]	49.9 [14.62]	49.1 [14.39]	48.3 [14.16]	47.4 [13.89]
		Sens BTUH [kW]	34.8 [10.20]	33.2 [9.73]	31.7 [9.29]	40.1 [11.75]	38.3 [11.22]	36.5 [10.70]	42.4 [12.43]	40.5 [11.87]	38.6 [11.31]
		Power	3.7	3.7	3.7	3.7	3.7	3.6	3.7	3.6	3.6
	95 [35]	Total BTUH [kW]	53.1 [15.56]	52.1 [15.27]	51.2 [15.01]	49.8 [14.59]	48.9 [14.33]	48.0 [14.07]	47.2 [13.83]	46.3 [13.57]	45.5 [13.33]
		Sens BTUH [kW]	33.8 [9.91]	32.3 [9.47]	30.8 [9.03]	39.1 [11.46]	37.4 [10.96]	35.6 [10.43]	41.4 [12.13]	39.6 [11.61]	37.7 [11.05]
		Power	3.9	3.9	3.9	3.9	3.9	3.8	3.9	3.8	3.8
	100 [37.8]	Total BTUH [kW]	51.1 [14.98]	50.2 [14.71]	49.3 [14.45]	47.8 [14.01]	46.9 [13.75]	46.1 [13.51]	45.2 [13.25]	44.4 [13.01]	43.6 [12.78]
		Sens BTUH [kW]	32.9 [9.64]	31.4 [9.20]	29.9 [8.76]	38.2 [11.20]	36.5 [10.70]	34.8 [10.20]	40.5 [11.87]	38.7 [11.34]	36.9 [10.81]
		Power	4.1	4.1	4.0	4.1	4.0	4.0	4.1	4.0	4.0
	105 [40.6]	Total BTUH [kW]	49.3 [14.45]	48.4 [14.18]	47.5 [13.92]	46.0 [13.48]	45.1 [13.22]	44.3 [12.98]	43.4 [12.72]	42.6 [12.48]	41.8 [12.25]
		Sens BTUH [kW]	32.0 [9.38]	30.6 [8.97]	29.2 [8.56]	37.3 [10.93]	35.7 [10.46]	34.0 [9.96]	39.6 [11.61]	37.9 [11.11]	36.1 [10.58]
		Power	4.3	4.3	4.2	4.3	4.2	4.2	4.2	4.2	4.2
	110 [43.3]	Total BTUH [kW]	47.6 [13.95]	46.8 [13.72]	45.9 [13.45]	44.3 [12.98]	43.5 [12.75]	42.7 [12.51]	41.7 [12.22]	41.0 [12.02]	40.2 [11.78]
		Sens BTUH [kW]	31.3 [9.17]	29.9 [8.76]	28.5 [8.35]	36.6 [10.73]	34.9 [10.23]	33.3 [9.76]	38.9 [11.40]	37.1 [10.87]	35.4 [10.37]
		Power	4.5	4.4	4.4	4.5	4.4	4.4	4.4	4.4	4.4
	115 [46.1]	Total BTUH [kW]	46.3 [13.57]	45.5 [13.33]	44.6 [13.07]	43.0 [12.60]	42.2 [12.37]	41.4 [12.13]	40.4 [11.84]	39.6 [11.61]	38.9 [11.40]
		Sens BTUH [kW]	30.7 [9.00]	29.3 [8.59]	27.9 [8.18]	36.0 [10.55]	34.4 [10.08]	32.8 [9.61]	38.3 [11.22]	36.6 [10.73]	34.8 [10.20]
		Power	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5

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 x CFM x (1 – DR) x (dbE – 80)].

HEATING PERFORMANCE DATA—RQPW-B048

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	16.9 [4.95]	16.8 [4.92]	16.7 [4.89]	15.4 [4.51]	15.3 [4.48]	15.2 [4.45]	14.4 [4.22]	14.3 [4.19]	14.2 [4.16]
		Power	2.6	2.6	2.6	3.0	3.0	3.0	3.4	3.5	3.5
	5 [-15]	Total BTUH [kW]	20.1 [5.89]	19.9 [5.83]	19.8 [5.80]	18.6 [5.45]	18.5 [5.42]	18.3 [5.36]	17.6 [5.16]	17.5 [5.13]	17.3 [5.07]
		Power	2.6	2.6	2.7	3.0	3.0	3.1	3.5	3.5	3.5
	10 [-12.2]	Total BTUH [kW]	23.2 [6.80]	23.1 [6.77]	22.9 [6.71]	21.8 [6.39]	21.6 [6.33]	21.5 [6.30]	20.7 [6.07]	20.6 [6.04]	20.5 [6.01]
		Power	2.7	2.7	2.7	3.1	3.1	3.1	3.5	3.6	3.6
	15 [-9.4]	Total BTUH [kW]	26.4 [7.74]	26.2 [7.68]	26.0 [7.62]	24.9 [7.30]	24.7 [7.24]	24.6 [7.21]	23.9 [7.00]	23.7 [6.95]	23.6 [6.92]
		Power	2.7	2.8	2.8	3.1	3.2	3.2	3.6	3.6	3.7
	20 [-6.7]	Total BTUH [kW]	29.6 [8.67]	29.3 [8.59]	29.1 [8.53]	28.1 [8.24]	27.9 [8.18]	27.7 [8.12]	27.1 [7.94]	26.9 [7.88]	26.7 [7.83]
		Power	2.8	2.8	2.8	3.2	3.2	3.2	3.6	3.7	3.7
	25 [-3.9]	Total BTUH [kW]	32.7 [9.58]	32.5 [9.52]	32.2 [9.44]	31.2 [9.14]	31.0 [9.09]	30.8 [9.03]	30.2 [8.85]	30.0 [8.79]	29.8 [8.73]
		Power	2.8	2.9	2.9	3.2	3.3	3.3	3.7	3.7	3.8
	30 [-1.1]	Total BTUH [kW]	35.9 [10.52]	35.6 [10.43]	35.4 [10.37]	34.4 [10.08]	34.1 [9.99]	33.9 [9.94]	33.4 [9.79]	33.1 [9.70]	32.9 [9.64]
		Power	2.9	2.9	2.9	3.3	3.3	3.4	3.7	3.8	3.8
	35 [1.7]	Total BTUH [kW]	39.0 [11.43]	38.7 [11.34]	38.5 [11.28]	37.6 [11.02]	37.3 [10.93]	37.0 [10.84]	36.5 [10.70]	36.3 [10.64]	36.0 [10.55]
		Power	2.9	3.0	3.0	3.3	3.4	3.4	3.8	3.8	3.9
	40 [4.4]	Total BTUH [kW]	42.2 [12.37]	41.9 [12.28]	41.6 [12.19]	40.7 [11.93]	40.4 [11.84]	40.1 [11.75]	39.7 [11.63]	39.4 [11.55]	39.1 [11.46]
		Power	3.0	3.0	3.1	3.4	3.4	3.5	3.8	3.9	3.9
	45 [7.2]	Total BTUH [kW]	45.3 [13.28]	45.0 [13.19]	44.7 [13.10]	43.9 [12.87]	43.6 [12.78]	43.2 [12.66]	42.8 [12.54]	42.5 [12.46]	42.2 [12.37]
		Power	3.0	3.1	3.1	3.4	3.5	3.5	3.9	3.9	4.0
	50 [10]	Total BTUH [kW]	48.5 [14.21]	48.2 [14.13]	47.8 [14.01]	47.0 [13.77]	46.7 [13.69]	46.4 [13.60]	46.0 [13.48]	45.7 [13.39]	45.4 [13.31]
		Power	3.1	3.1	3.2	3.5	3.5	3.6	3.9	4.0	4.0

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE—208 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heat Pump Recommended Airflow (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed		External Static Pressure—Inches W.C. [kPa] (Side Discharge—Wet Coil)							
	HP (Cool/Heat)	Gas 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]
2.0 [7.03]	High HP (Tap 3)	Gas Heat (Tap 5)	700 CFM/900 CFM [330/425 L/s]	9 x 7 Blower 1/3 HP [249 W] 4 Speed X13 Motor	Cont. Fan 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
					Low HP (Cool/Heat) (Tap 2)	CFM [l/s]	847 [400]	818 [386]	788 [372]	765 [361]	737 [348]	695 [328]	659 [311]	581 [274]
						RPM	892	818	788	765	737	695	659	581
						Watts	145	147	156	157	164	167	167	155
					High HP (Cool/Heat) (Tap 3)	CFM [l/s]	914 [431]	887 [419]	853 [403]	824 [389]	793 [374]	762 [360]	717 [338]	602 [284]
						RPM	934	971	1024	1053	1083	1121	1135	1155
						Watts	173	177	185	186	188	192	185	164
					Gas Heat Dedicated (Tap 5)	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]	Med HP (Tap 3)	Gas Heat (Tap 5)	875 CFM/1125 CFM [652/839 L/s]	10 x 9 Blower 1/2 HP [373 W] 5 Speed X13 Motor	Cont. Fan Dedicated (Tap 1)	CFM [l/s]	1067 [504]	1034 [488]	992 [468]	957 [452]	912 [430]	820 [387]	778 [367]	729 [344]
						RPM	719	749	791	819	876	952	983	1024
						Watts	143	145	155	159	169	182	185	192
					Low HP (Cool/Heat) (Tap 2)	CFM [l/s]	1067 [504]	1034 [488]	992 [468]	957 [452]	912 [430]	820 [387]	778 [367]	729 [344]
						RPM	719	749	791	819	876	952	983	1024
						Watts	143	145	155	159	169	182	185	192
					Med HP (Cool/Heat) (Tap 3)	CFM [l/s]	1165 [550]	1132 [534]	1091 [515]	1051 [496]	1009 [476]	959 [453]	855 [404]	819 [387]
						RPM	744	785	833	864	905	951	1020	1053
						Watts	167	177	188	191	202	206	217	351
					High HP (Cool/Heat) (Tap 4)	CFM [l/s]	1252 [591]	1213 [572]	1166 [550]	1137 [537]	1099 [519]	1046 [494]	986 [465]	892 [421]
						RPM	796	826	868	893	934	982	1026	1086
						Watts	206	210	219	225	234	245	248	256
					Gas Heat Dedicated (Tap 5)	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
3.0 [10.55]	Med HP (Tap 3)	Gas Heat (Tap 5)	1050 CFM/1350 CFM [782/1007 L/s]	10 x 9 Blower 1/2 HP [373 W] 5 Speed X13 Motor	Cont. Fan 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
					Low HP (Cool/Heat) (Tap 2)	CFM [l/s]	1247 [589]	1220 [576]	1178 [556]	1143 [539]	1099 [519]	1064 [502]	998 [471]	904 [427]
						RPM	784	819	863	890	932	957	1012	1075
						Watts	200	208	219	224	233	236	246	256
					Med HP (Cool/Heat) (Tap 3)	CFM [l/s]	1307 [617]	1292 [610]	1238 [584]	1214 [573]	1170 [552]	1135 [536]	1087 [513]	989 [467]
						RPM	820	850	889	918	944	981	1028	1087
						Watts	233	242	248	255	262	268	277	284
					High HP (Cool/Heat) (Tap 4)	CFM [l/s]	1396 [659]	1357 [640]	1334 [630]	1286 [607]	1253 [591]	1207 [570]	1163 [549]	1103 [521]
						RPM	864	898	920	942	976	1010	1043	1089
						Watts	268	280	288	292	299	304	310	316
					Gas Heat Dedicated (Tap 5)	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

NOTES: Do not connect wiring to unspecified speed taps.
Heat Pump speed must be changed to Low to achieve ARI performance.

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE—208 VOLTS (con't.)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heat Pump Recommended Airflow (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed		External Static Pressure—Inches W.C. [kPa] (Side Discharge—Wet Coil)							
	HP (Cool/Heat)	Gas 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]
3.5 [12.31]	High HP (Tap 3)	Gas Heat (Tap 5)	1225 CFM/1575 CFM [913/1174 L/s]	10 x 9 Blower 3/4 HP [559 W] 4 Speed X13 Motor	Cont. Fan 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
					Low HP (Cool/Heat) (Tap 2)	CFM [l/s]	1455 [687]	1431 [675]	1396 [659]	1360 [642]	1315 [621]	1285 [606]	1241 [586]	
						RPM	824	856	889	931	968	1009	1041	
						Watts	268	280	288	303	311	325	331	
					High HP (Cool/Heat) (Tap 3)	CFM [l/s]	1559 [736]	1530 [722]	1488 [702]	1454 [686]	1417 [669]	1375 [649]	1336 [631]	
						RPM	870	893	932	968	1007	1036	1072	
						Watts	321	327	338	351	364	371	381	
					Gas Heat Dedicated (Tap 5)	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
4.0 [14.07]	High HP (Tap 3)	Gas Heat (Tap 5)	1350 CFM/1700 CFM [1007/1268 L/s]	10 x 9 Blower 3/4 HP [559 W] 4 Speed X13 Motor	Cont. Fan 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
					Low HP (Cool/Heat) (Tap 2)	CFM [l/s]	1675 [791]	1658 [782]	1610 [760]	1580 [746]	1535 [724]	1491 [704]	1422 [671]	
						RPM	923	944	979	1013	1045	1077	1098	
						Watts	390	401	412	425	433	440	432	
					High HP (Cool/Heat) (Tap 3)	CFM [l/s]	1770 [835]	1751 [826]	1706 [805]	1672 [789]	1624 [766]	1555 [734]	1463 [690]	
						RPM	966	989	1018	1050	1078	1100	1115	
						Watts	454	466	473	486	490	481	460	
					Gas Heat Dedicated (Tap 5)	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

NOTES: Do not connect wiring to unspecified speed taps.
Heat Pump speed must be changed to Low to achieve ARI performance.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)								
CFM [L/s]	600 [283]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1400 [661]	1600 [775]	1600 [775]
Pressure Drop—Inches W.C. [kPa]	.00	.01 [.002]	.02 [.005]	.03 [.007]	.05 [.012]	.05 [.012]	.07 [.017]	.07 [.017]

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE—230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heat Pump Recommended Airflow (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed		External Static Pressure—Inches W.C. [kPa] (Side Discharge—Wet Coil)							
	HP (Cool/Heat)	Gas 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]
2.0 [7.03]	High HP (Tap 3)	Gas Heat (Tap 5)	700 CFM/900 CFM [330/425 L/s]	9 x 7 Blower 1/3 HP [249 W] 4 Speed X13 Motor	Cont. Fan Dedicated (Tap 1)	CFM [l/s]	829 [391]	808 [381]	789 [372]	756 [357]	737 [348]	697 [329]	668 [315]	615 [290]
						RPM	890	915	961	1000	1046	1089	1121	1173
						Watts	137	139	148	151	160	163	166	167
					Low HP (Cool/Heat) (Tap 2)	CFM [l/s]	862 [407]	834 [394]	819 [387]	781 [369]	761 [359]	729 [344]	695 [328]	606 [286]
						RPM	889	953	974	1018	1065	1101	1133	1156
						Watts	151	159	162	166	173	176	180	165
					High HP (Cool/Heat) (Tap 3)	CFM [l/s]	918 [433]	888 [419]	874 [412]	838 [395]	819 [387]	781 [369]	711 [336]	616 [291]
						RPM	953	988	1032	1060	1091	1126	1146	1157
						Watts	181	184	194	198	200	204	189	168
					Gas Heat Dedicated (Tap 5)	CFM [l/s]	829 [391]	808 [381]	789 [372]	756 [357]	737 [348]	697 [329]	668 [315]	615 [290]
						RPM	890	915	961	1000	1046	1089	1121	1173
						Watts	137	139	148	151	160	163	166	167
2.5 [8.79]	Med HP (Tap 3)	Gas Heat (Tap 5)	875 CFM/1125 CFM [652/839 L/s]	10 x 9 Blower 1/2 HP [373 W] 5 Speed X13 Motor	Cont. Fan Dedicated (Tap 1)	CFM [l/s]	1076 [508]	1041 [491]	1017 [480]	970 [458]	928 [438]	852 [402]	785 [370]	745 [352]
						RPM	715	753	787	825	877	946	1005	1032
						Watts	144	148	157	169	175	187	198	202
					Low HP (Cool/Heat) (Tap 2)	CFM [l/s]	1076 [508]	1041 [491]	1017 [480]	970 [458]	928 [438]	852 [402]	785 [370]	745 [352]
						RPM	715	753	787	825	877	946	1005	1032
						Watts	144	148	157	169	175	187	198	202
					Med HP (Cool/Heat) (Tap 3)	CFM [l/s]	*1187 [560]*	1124 [530]	1096 [517]	1071 [505]	1024 [483]	987 [466]	896 [423]	852 [402]
						RPM	762	799	832	859	914	940	1021	1059
						Watts	176	182	191	196	209	212	227	235
					High HP (Cool/Heat) (Tap 4)	CFM [l/s]	*1271 [600]*	*1223 [577]*	*1169 [552]*	*1137 [537]*	1104 [521]	1071 [505]	1015 [479]	934 [441]
						RPM	797	836	878	905	939	974	1026	1089
						Watts	212	217	227	231	241	247	257	270
					Gas Heat Dedicated (Tap 5)	CFM [l/s]	1241 [586]	1203 [568]	1155 [545]	1119 [528]	1082 [511]	1032 [487]	994 [469]	950 [448]
						RPM	771	815	848	886	932	965	1004	1044
						Watts	155	162	170	182	193	200	210	220
3.0 [10.55]	Med HP (Tap 3)	Gas Heat (Tap 5)	1050 CFM/1350 CFM [782/1007 L/s]	10 x 9 Blower 1/2 HP [373 W] 5 Speed X13 Motor	Cont. Fan Dedicated (Tap 1)	CFM [l/s]	1241 [586]	1203 [568]	1155 [545]	1119 [528]	1082 [511]	1032 [487]	994 [469]	950 [448]
						RPM	771	815	848	886	932	965	1004	1044
						Watts	155	162	170	182	193	200	210	220
					Low HP (Cool/Heat) (Tap 2)	CFM [l/s]	1258 [594]	1215 [573]	1200 [566]	1160 [547]	1130 [533]	1082 [511]	1026 [484]	954 [450]
						RPM	802	829	861	894	933	971	1020	1077
						Watts	210	217	225	230	239	245	259	268
					Med HP (Cool/Heat) (Tap 3)	CFM [l/s]	1336 [631]	1298 [613]	1259 [594]	1229 [580]	1198 [565]	1160 [547]	1116 [527]	1071 [505]
						RPM	821	867	903	920	957	993	1038	1071
						Watts	239	249	259	262	275	279	290	299
					High HP (Cool/Heat) (Tap 4)	CFM [l/s]	1416 [668]	1379 [651]	1342 [633]	1292 [610]	1275 [602]	1240 [585]	1200 [566]	1168 [551]
						RPM	874	898	933	952	993	1011	1060	1091
						Watts	285	290	299	304	314	322	328	337
					Gas Heat Dedicated (Tap 5)	CFM [l/s]	1241 [586]	1203 [568]	1155 [545]	1119 [528]	1082 [511]	1032 [487]	994 [469]	950 [448]
						RPM	771	815	848	886	932	965	1004	1044
						Watts	155	162	170	182	193	200	210	220

NOTES: Italic type indicates airflow outside of manufacturers recommendation. Do not connect wiring to unspecified speed taps.
Heat Pump speed must be changed to Low to achieve ARI performance.

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE—230 VOLTS (con't.)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heat Pump Recommended Airflow (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed		External Static Pressure—Inches W.C. [kPa] (Side Discharge—Wet Coil)							
	HP (Cool/Heat)	Gas 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]
3.5 [12.31]	High HP (Tap 3)	Gas Heat (Tap 5)	1225 CFM/1575 CFM [913/1174 L/s]	10 x 9 Blower 3/4 HP [559 W] 4 Speed X13 Motor	Cont. Fan 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 HP (Cool/Heat) (Tap 2)	CFM [l/s]	1467 [692]	1439 [679]	1408 [665]	1360 [642]	1331 [628]	1287 [607]	1259 [594]	
						RPM	831	854	894	932	972	1005	1042	
						Watts	276	282	297	307	319	326	341	
					High HP (Cool/Heat) (Tap 3)	CFM [l/s]	1550 [732]	1520 [717]	1486 [701]	1449 [684]	1407 [664]	1382 [652]	1337 [631]	
						RPM	867	890	930	974	1003	1039	1073	
						Watts	317	323	339	355	362	377	385	
					Gas Heat Dedicated (Tap 5)	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
4.0 [14.07]	High HP (Tap 3)	Gas Heat (Tap 5)	1350 CFM/1700 CFM [1007/1268 L/s]	10 x 9 Blower 3/4 HP [559 W] 4 Speed X13 Motor	Cont. Fan 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 HP (Cool/Heat) (Tap 2)	CFM [l/s]	1692 [799]	1661 [784]	1633 [771]	1589 [750]	1560 [736]	1512 [714]	1442 [681]	
						RPM	931	950	982	1018	1054	1082	1103	
						Watts	404	409	424	434	450	453	443	
					High HP (Cool/Heat) (Tap 3)	CFM [l/s]	*1748 [825]*	*1718 [811]*	1686 [796]	1647 [777]	1616 [763]	1543 [728]	1472 [695]	
						RPM	955	978	1010	1043	1073	1096	1111	
						Watts	440	446	462	475	484	473	459	
					Gas Heat Dedicated (Tap 5)	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

NOTES: Italic type indicates airflow outside of manufacturers recommendation. Do not connect wiring to unspecified speed taps.
Heat Pump speed must be changed to Low to achieve ARI performance.

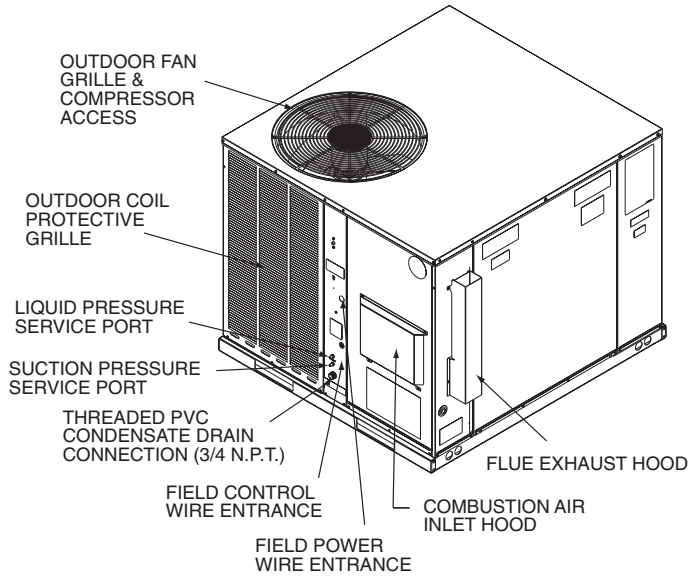
DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)								
CFM [L/s]	600 [283]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1400 [661]	1600 [775]	1600 [775]
Pressure Drop—Inches W.C. [kPa]	.00	.01 [.002]	.02 [.005]	.03 [.007]	.05 [.012]	.05 [.012]	.07 [.017]	.07 [.017]

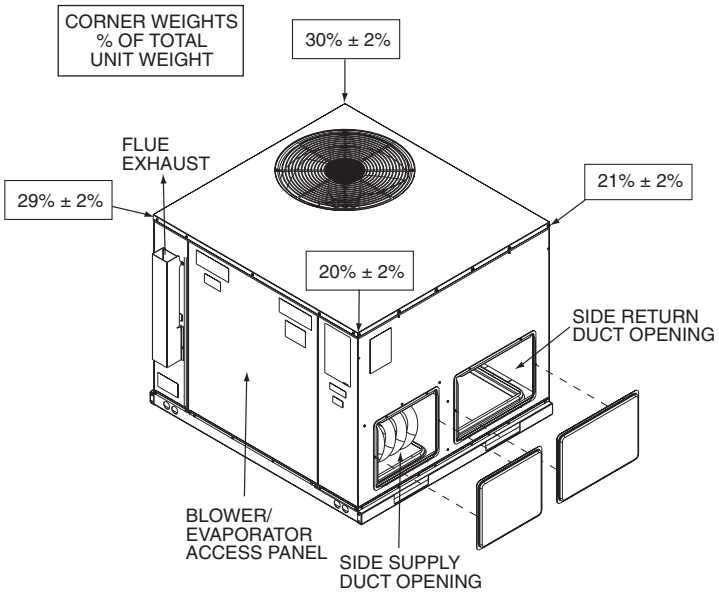
[ ] Designates Metric Conversions

ELECTRICAL DATA – RQPW-B SERIES						
		-B024JK	-B030JK	-B036JK	-B042JK	-B048JK
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	21/21	24/24	27/27	33/33	37/37
	Minimum Overcurrent Protection Device Size	25/25	25/25	30/30	35/35	40/40
	Maximum Overcurrent Protection Device Size	30/30	35/35	40/40	50/50	50/50
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	2	2 1/2	3	3 1/2	4
	RPM	3450	3450	3450	3450	3450
	Amps (RLA)	12.8/12.8	14.1/14.1	16.7/16.7	19.9/19.9	23.8/23.8
	Amps (LRA)	58.3/58.3	73/73	79/79	109/109	117/117
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/5	1/5	1/5	1/3	1/3
	Amps (FLA)	1.3	1.3	1.3	2	2
	Amps (LRA)	2.2	2.2	2.2	3.9	3.9
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/2	1/2	3/4	3/4
	Amps (FLA)	2.8	4.1	4.1	6	6
	Amps (LRA)	0	0	0	0	0

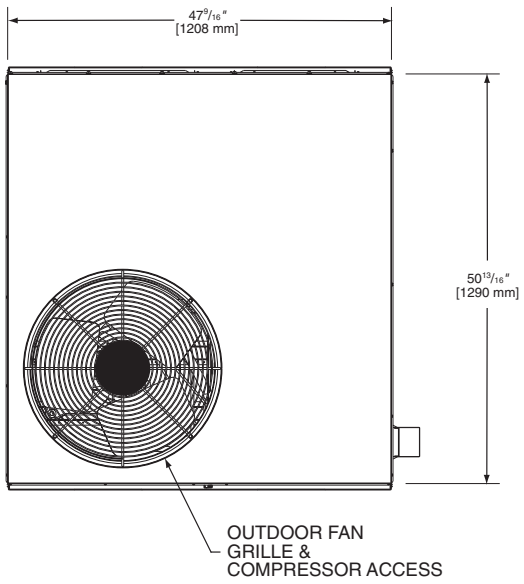
1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

UNIT DIMENSIONS
PACKAGE DUAL FUEL

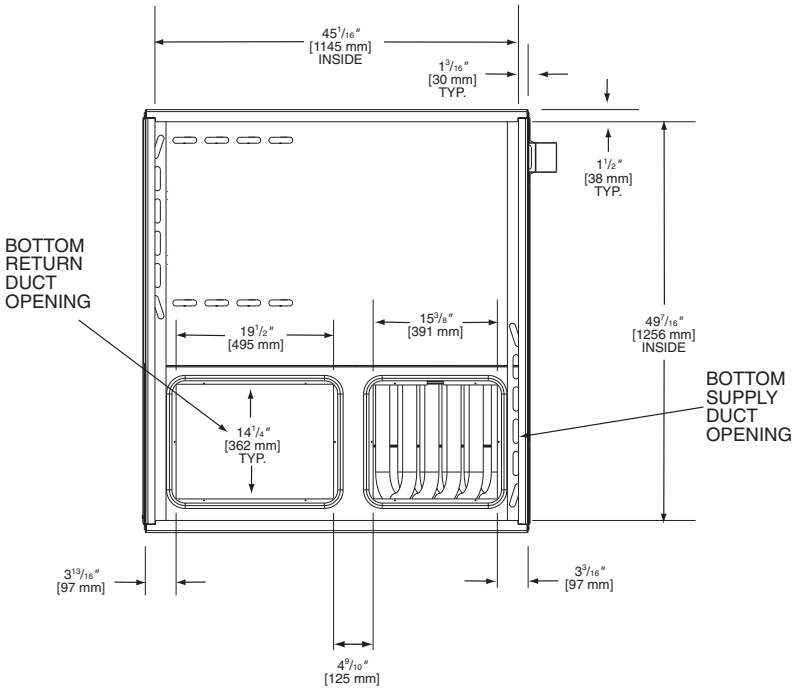




TOP VIEW

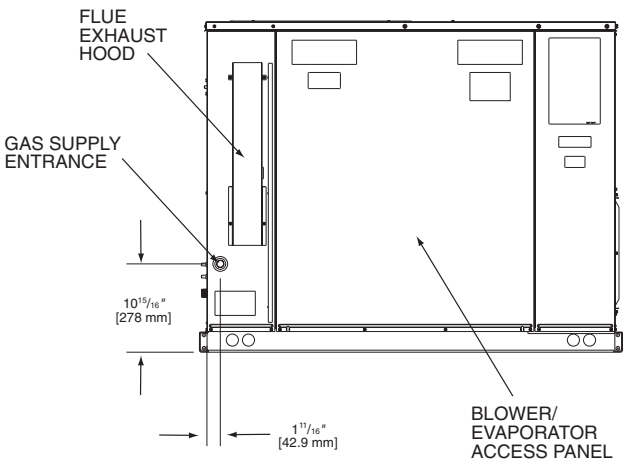


BOTTOM VIEW

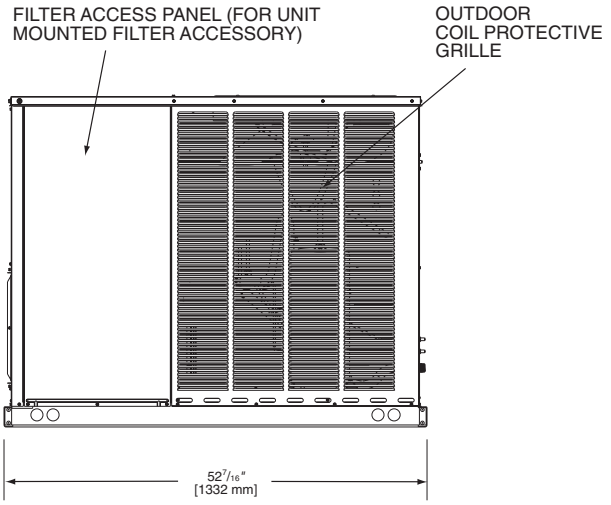


[ ] Designates Metric Conversions

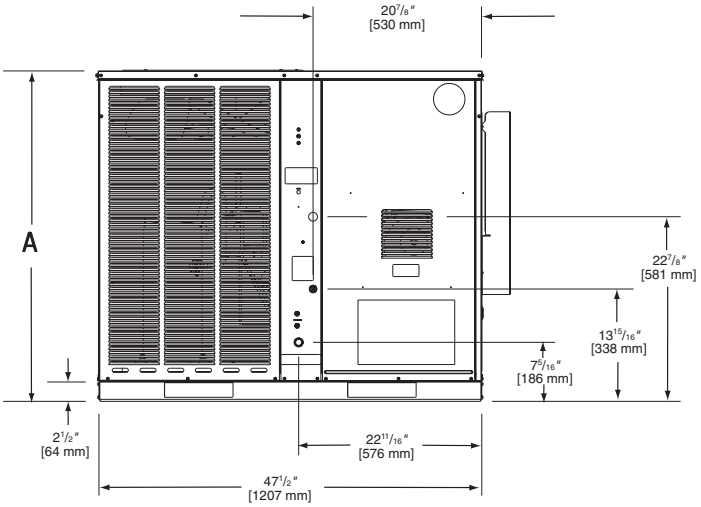
SIDE VIEW



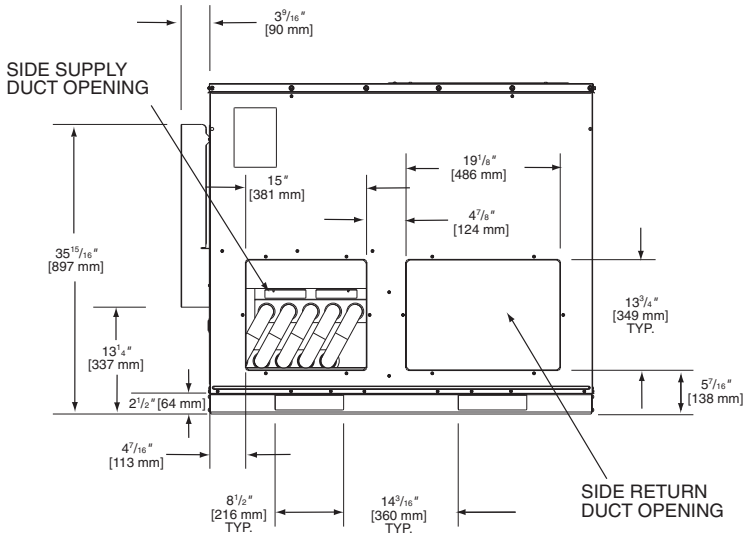
SIDE VIEW



FRONT VIEW



BACK VIEW

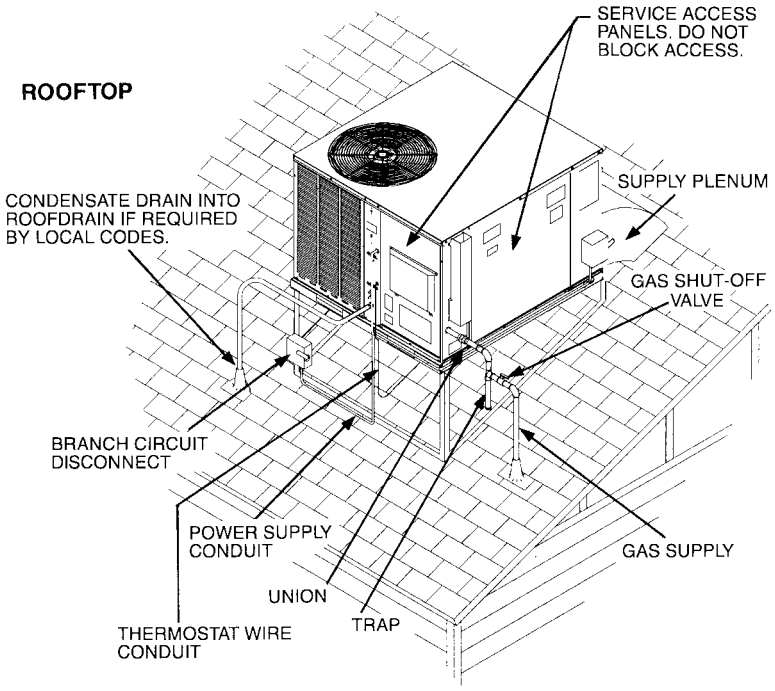


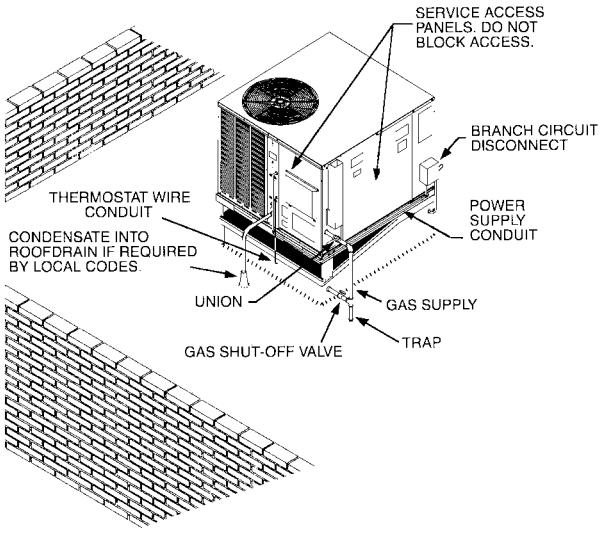
SHOWN WITH DUCT COVERS REMOVED.

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

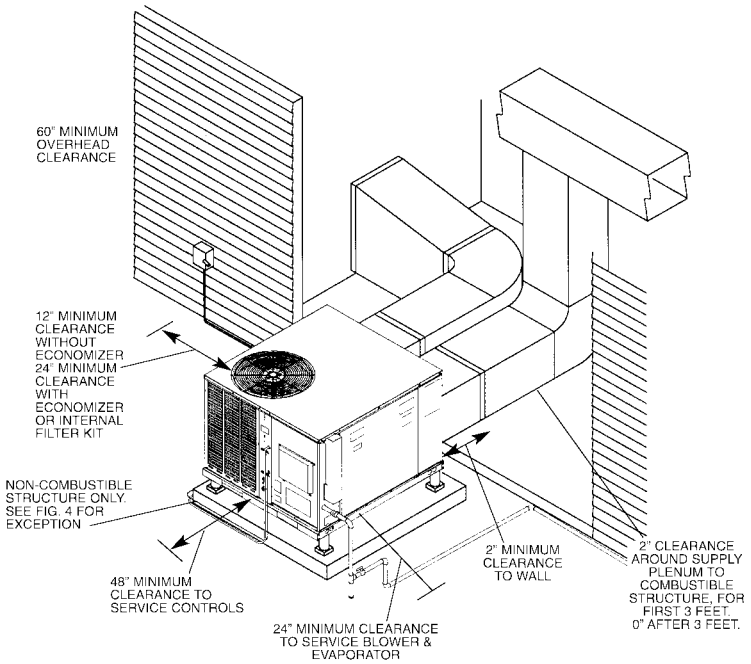
Model #	"A" Height
B024	35 15/16"
B030, B036 B042, B048	41"

[ ] Designates Metric Conversions


ROOFTOP
SERVICE ACCESS PANELS. DO NOT BLOCK ACCESS.
SUPPLY PLENUM
CONDENSATE DRAIN INTO ROOFDRAIN IF REQUIRED BY LOCAL CODES.
GAS SHUT-OFF VALVE
BRANCH CIRCUIT DISCONNECT
POWER SUPPLY CONDUIT
GAS SUPPLY
UNION
TRAP
THERMOSTAT WIRE CONDUIT


SERVICE ACCESS PANELS. DO NOT BLOCK ACCESS.
BRANCH CIRCUIT DISCONNECT
THERMOSTAT WIRE CONDUIT
POWER SUPPLY CONDUIT
CONDENSATE INTO ROOFDRAIN IF REQUIRED BY LOCAL CODES.
UNION
GAS SUPPLY
TRAP
GAS SHUT-OFF VALVE

ROOFTOP


60" MINIMUM OVERHEAD CLEARANCE
12" MINIMUM CLEARANCE WITHOUT ECONOMIZER 24" MINIMUM CLEARANCE WITH ECONOMIZER OR INTERNAL FILTER KIT
NON-COMBUSTIBLE STRUCTURE ONLY. SEE FIG. 4 FOR EXCEPTION
48" MINIMUM CLEARANCE TO SERVICE CONTROLS
24" MINIMUM CLEARANCE TO SERVICE BLOWER & EVAPORATOR
2" MINIMUM CLEARANCE TO WALL
2" CLEARANCE AROUND SUPPLY PLENUM TO COMBUSTIBLE STRUCTURE, FOR FIRST 3 FEET. 0" AFTER 3 FEET.

ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Roofcurbs	RQPW-B	RXQG-AAA14 (14" [356 mm] Height) RXQG-AAA24 (24" [610 mm] Height)
Thermostat with Outdoor Sensor	RQPW-B	UHC-TST402DFMS
Supply & Return Diffusers	RQPW-B	RXRN-BD15
Economizers (Downflow Only)	RQPW-B	RXRE-CAA30 (3 Position) RXRD-CAM10 (Fully Modulating)
Economizers (Sideflow Only)	RQPW-B	RXRD-CCM10 (Fully Modulating)
Fresh Air Damper	RQPW-B	RXRF-FAB1 (Motorized-35%) RXRF-FAA1 (Fixed-35%)
Rectangular to Round Transition (Downflow)	RQPW-B	RXMC-CA02 (16" [406 mm] Ducts) RXMC-CA03 (18" [457 mm] Ducts)
Filter Kit	RQPW-B	RXRY-B01
Low Ambient Control	RQPW-B	RXPZ-G01
High Pressure Control	RQPW-B	RXAB-D01
Sideflow Rectangular to Round Transition	RQPW-B	RXMC-BA01
LP Conversion Kits	RQPW-B	RXGJ-EP84W (White-Rodgers Gas Valve) RXGJ-EP85H (Honeywell Gas Valve)
Canadian High Altitude Kit (for Natural Gas only*)	RQPW-B	RXRX-AH01
Lift Kit	RQPW-B	RXML-A01

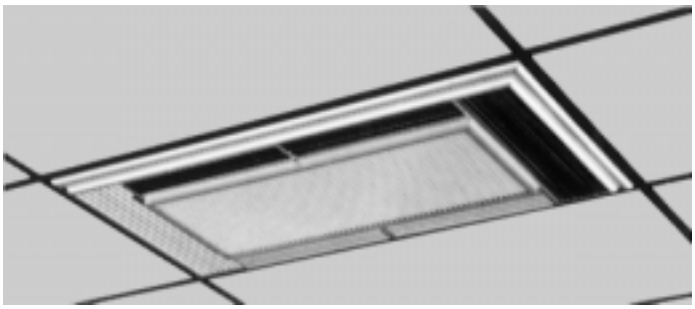
*If a particular unit is to be converted to operate on LP (propane) for elevations above 2000 ft. [609.6 m] in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. [609.6-1371.6 m]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

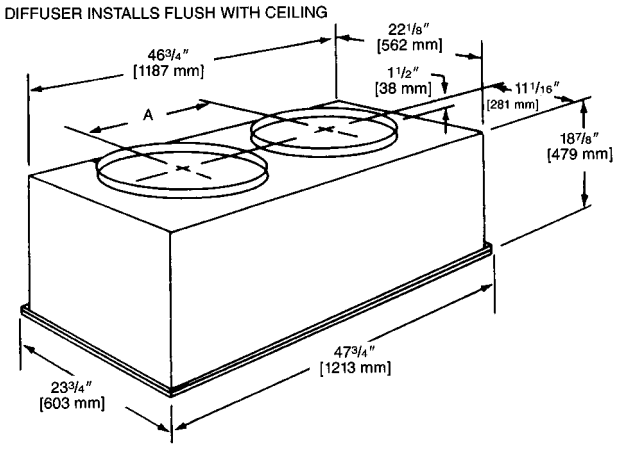
[ ] Designates Metric Conversions

DUAL FUEL THERMOSTAT

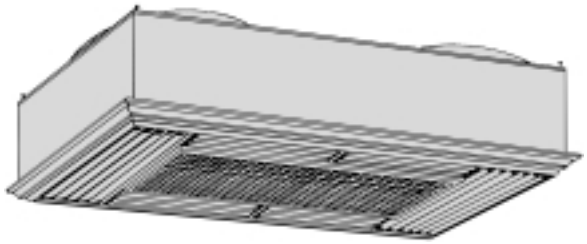
This thermostat is pre-configured ready to operate the Package Dual Fuel Unit right out of the box with no programming required. This thermostat also contains a outdoor air sensor that allows for optimal efficiency and comfort from the Package Dual Fuel Unit.

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. RXRN-	Diameter Inches [mm]	Shipping Wt. Lbs. [kg]	Dimension A Inches [mm]
BD15	16 [406]	90 [40.82]	20 1/2 [521]

[ ] Designates Metric Conversions

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])

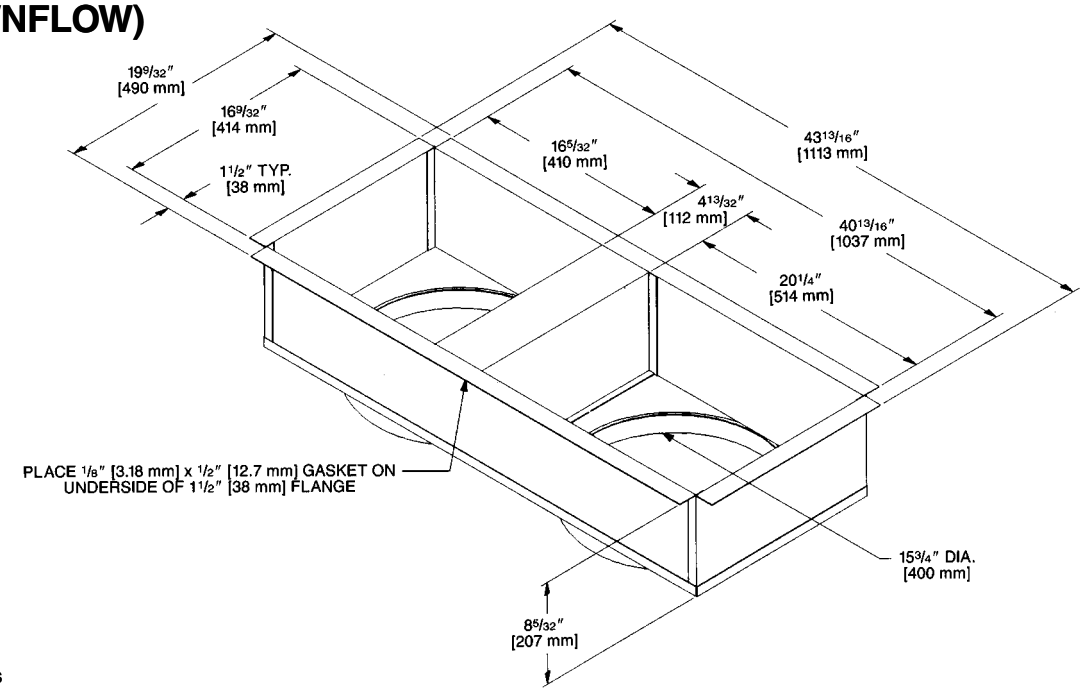
Accessory	Approximate CFM [L/s]-Supply Air			
	1300 [614]	1575 [743]	1800 [850]	2200 [1038]
Plenum & Supply/Return Duct	.07 [.017]	.10 [.024]	.12 [.030]	.17 [.042]
Diffuser	.09 [.022]	.13 [.032]	.16 [.040]	.24 [.060]
Economizer	.06 [.015]	.09 [.022]	.11 [.027]	.17 [.042]

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]

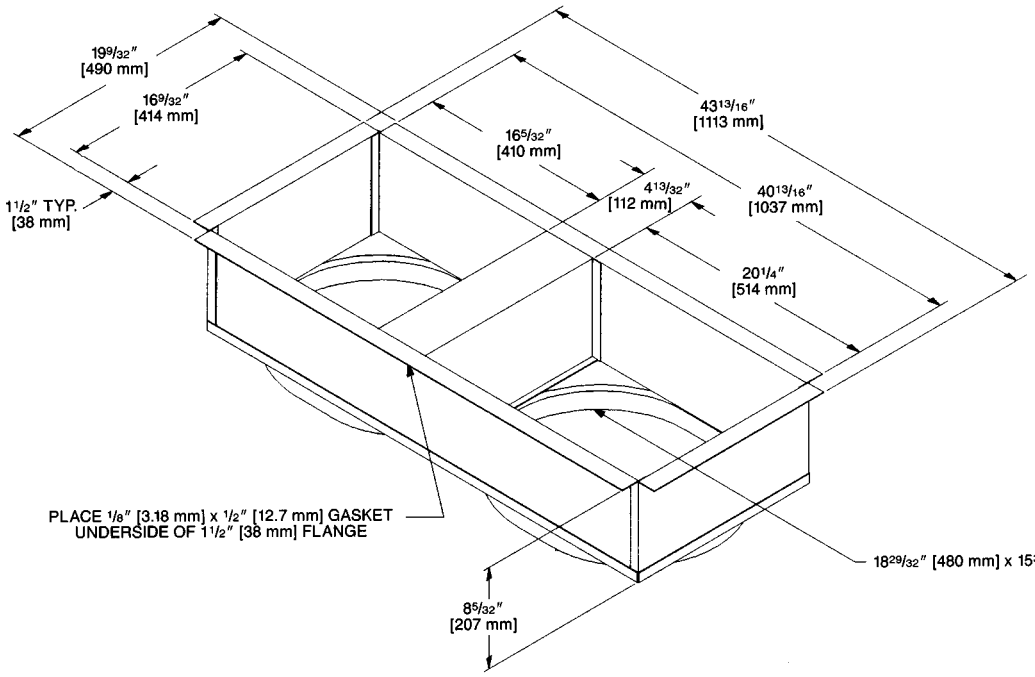
DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



[ ] Designates Metric Conversions

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW) (cont.)



RXMC-CA03

[ ] Designates Metric Conversions

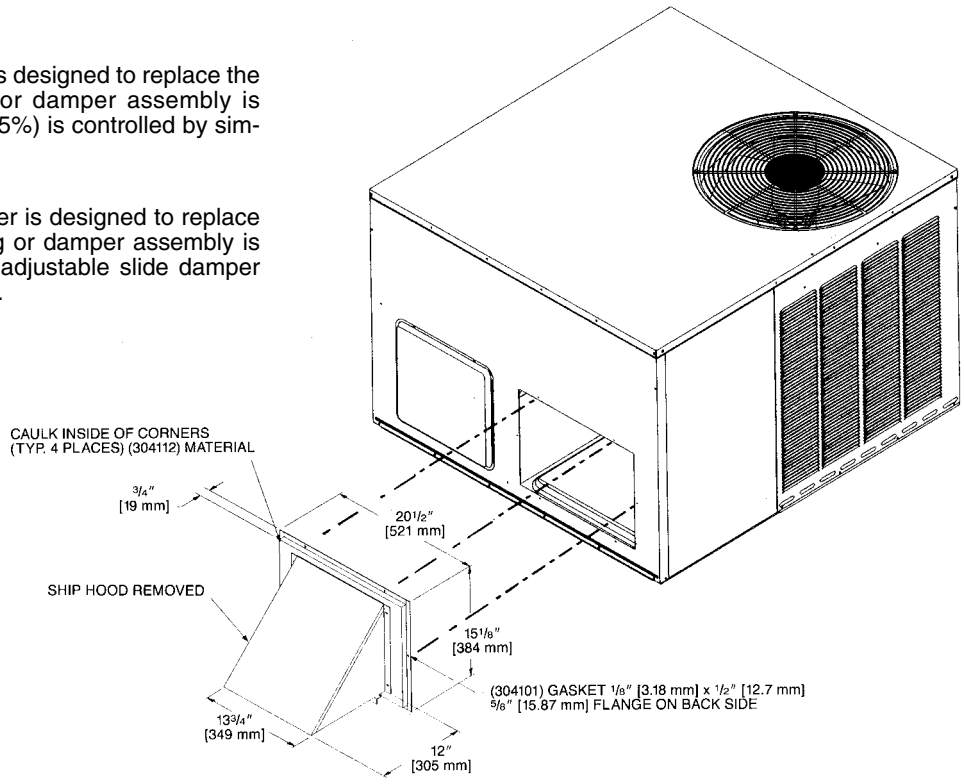
FRESH AIR DAMPER FOR USE ON RQPW-B SERIES

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.



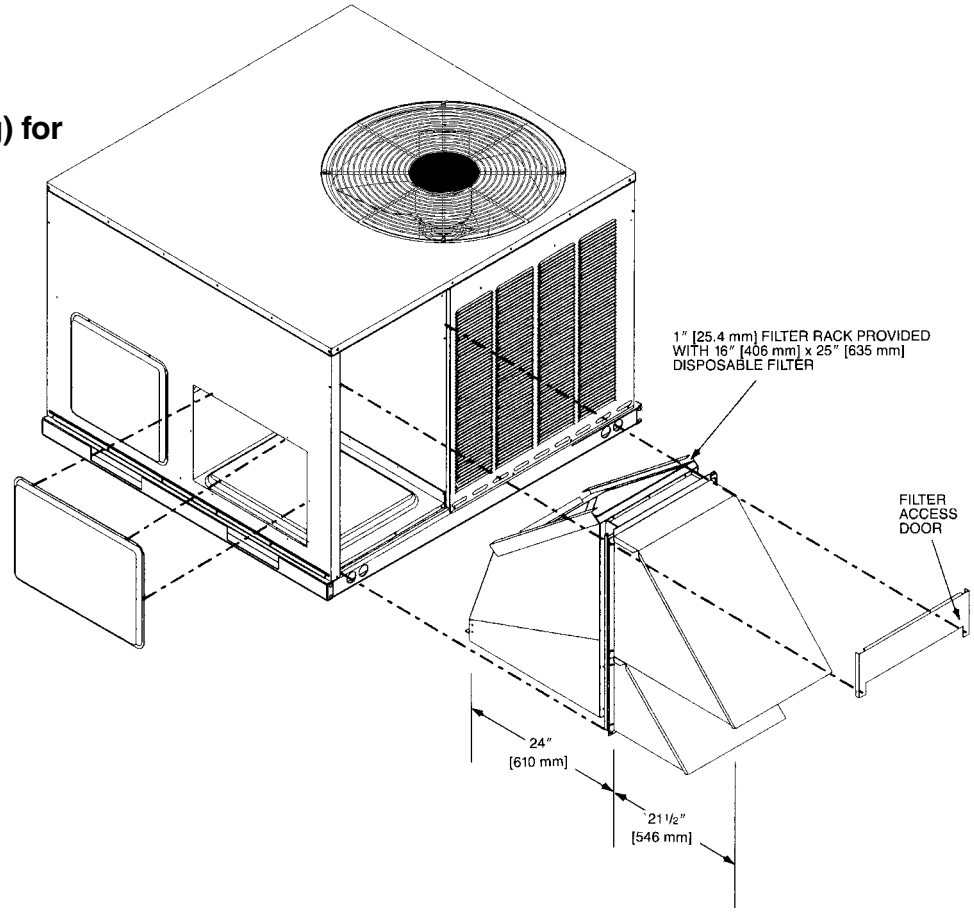
ECONOMIZERS

RXRE-CAA30 (3 Position) and RXRD-CAM10 (Fully Modulating) for RQPW-B 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.

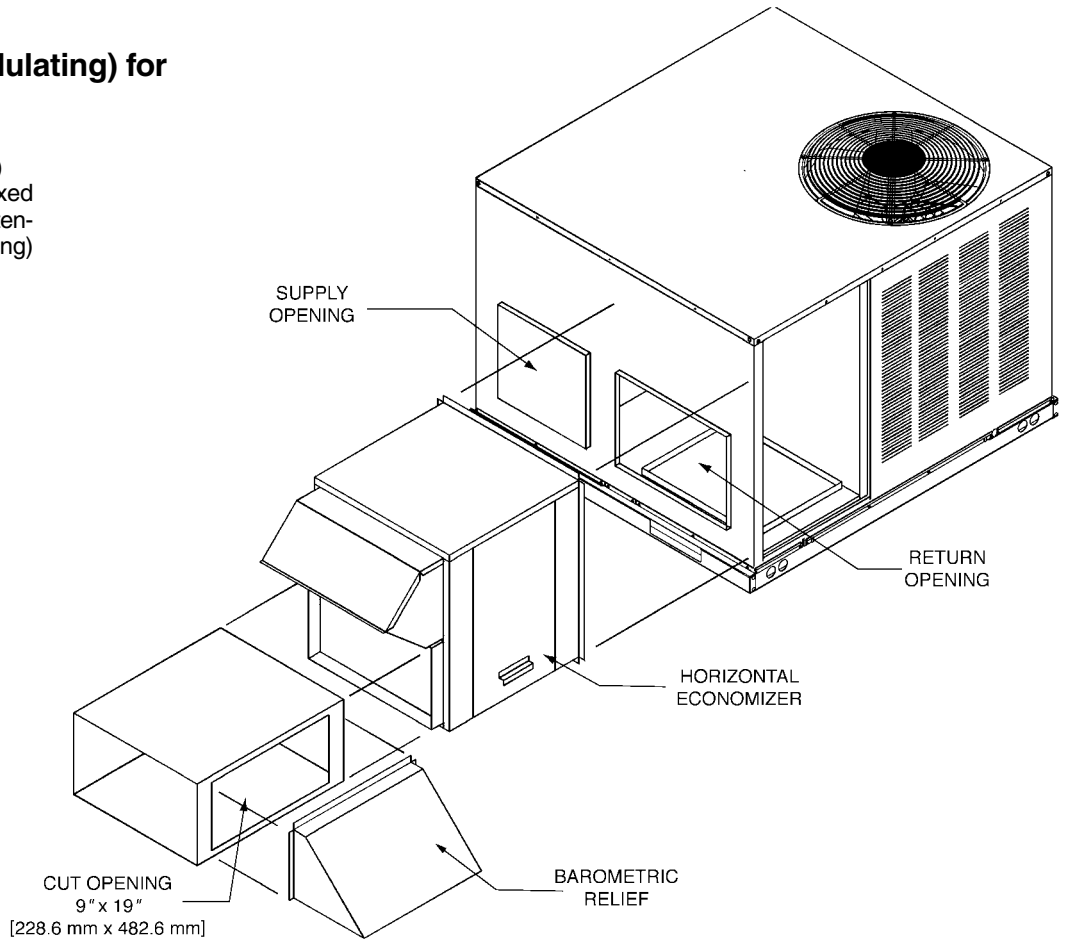


ECONOMIZERS

RXRD-CCM10 (Fully Modulating) for RQPW-B Series Horizontal Application

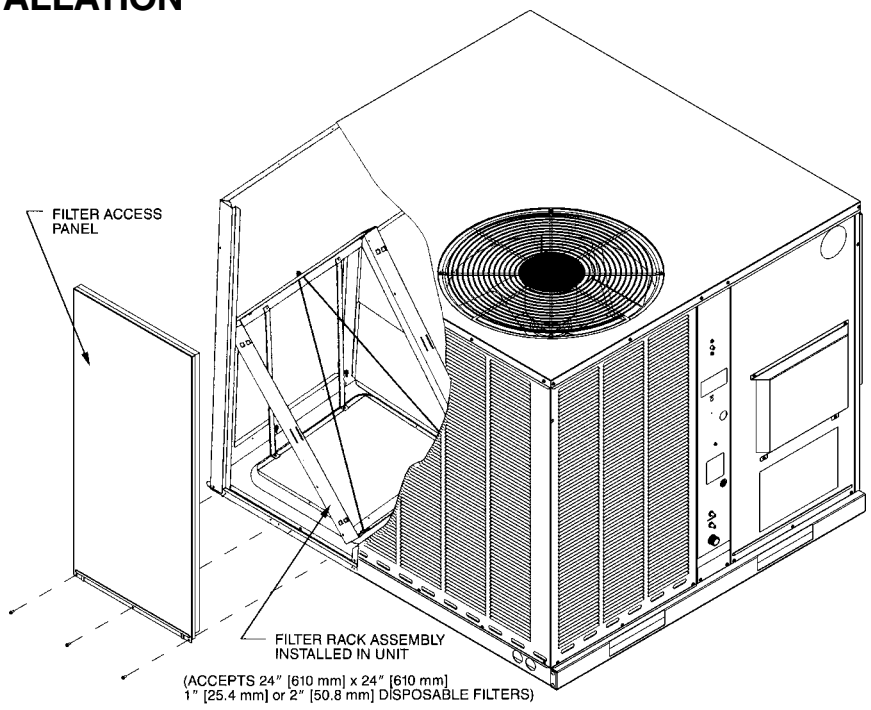
RXRD-CCM10 (Fully Modulating)
Provided with enthalpy control, mixed air sensor and minimum position potentiometer for proportioning (modulating) the amount of fresh air.

[ ] Designates Metric Conversions



FILTER KIT INSTALLATION
RXRY-B01

For use in either vertical or horizontal discharge.

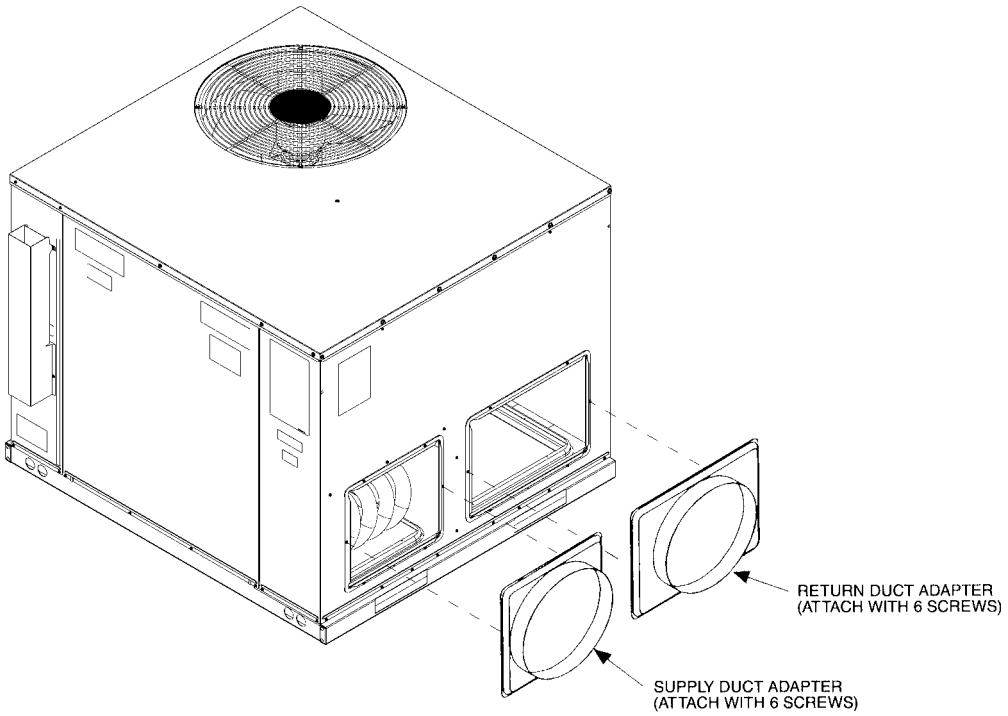


Airflow Pressure Drop, Inches W.C. [kPa]		
CFM [L/s]	1" Filter	2" Filter
500 [236]	.02 [.0050]	.03 [.0075]
600 [283]	.02 [.0050]	.03 [.0075]
700 [330]	.03 [.0075]	.04 [.0010]
800 [378]	.04 [.0010]	.05 [.0124]
900 [425]	.05 [.0124]	.06 [.0149]
1000 [472]	.07 [.0174]	.08 [.0199]
1100 [519]	.08 [.0199]	.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-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

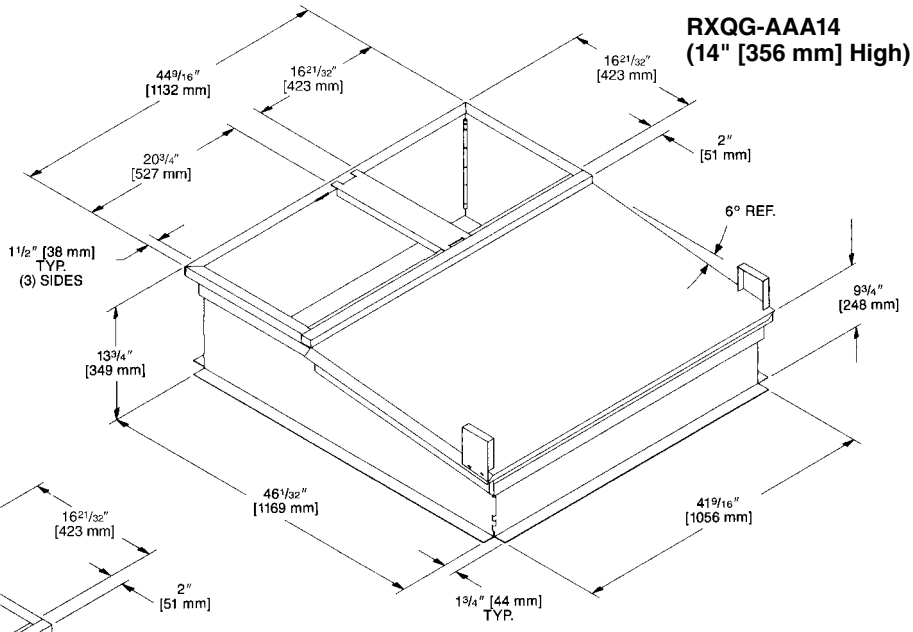
Roofcurb (Sloped)

RXQG-AAA14 & RXQG-AAA24 for RQPW-B Series

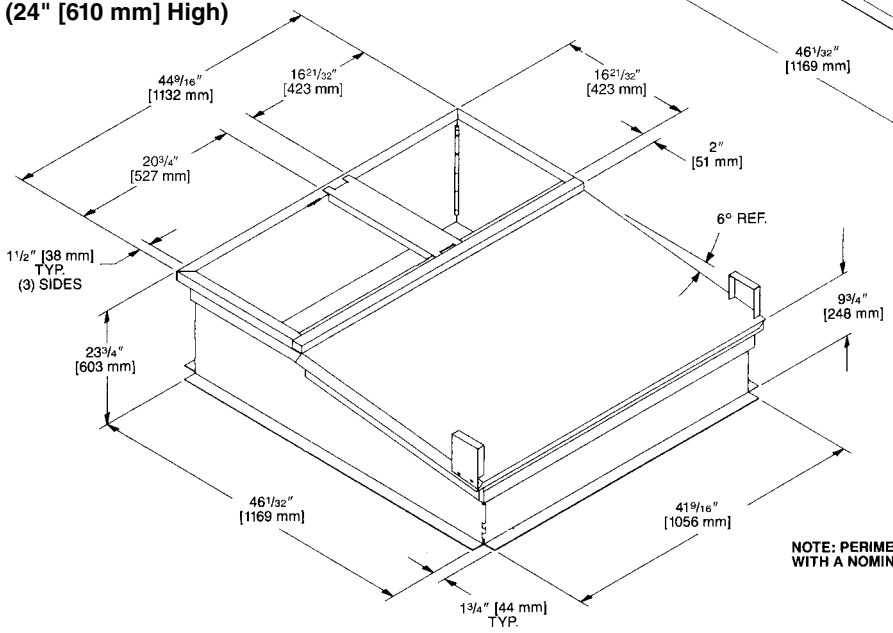
Dual fuel models must use sloped curbs.

Hinged corners make for fast, easy set-up.

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

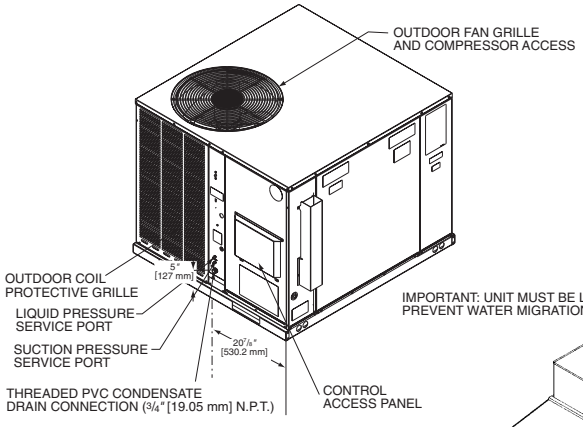


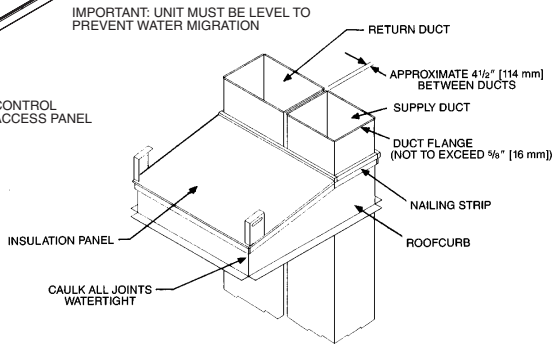
RXQG-AAA24
(24" [610 mm] High)

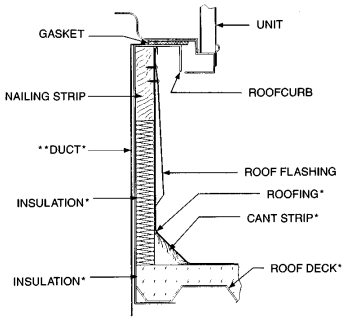


NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

PACKAGE DUAL FUEL ROOFCURB INSTALLATION (SLOPED)



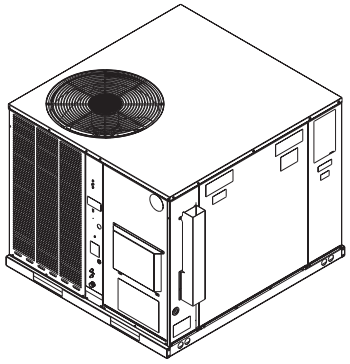


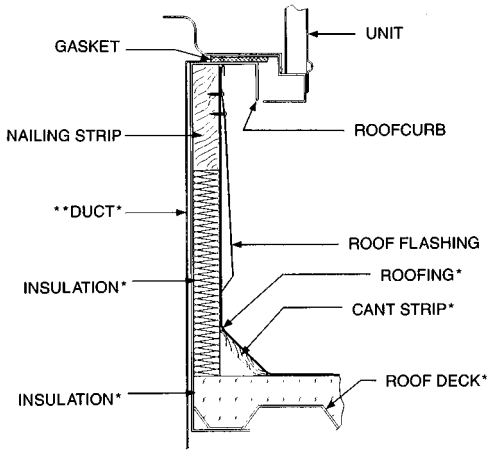


*BY CONTRACTOR
**FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

[ ] Designates Metric Conversions

PACKAGE DUAL FUEL
PACKAGE 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.

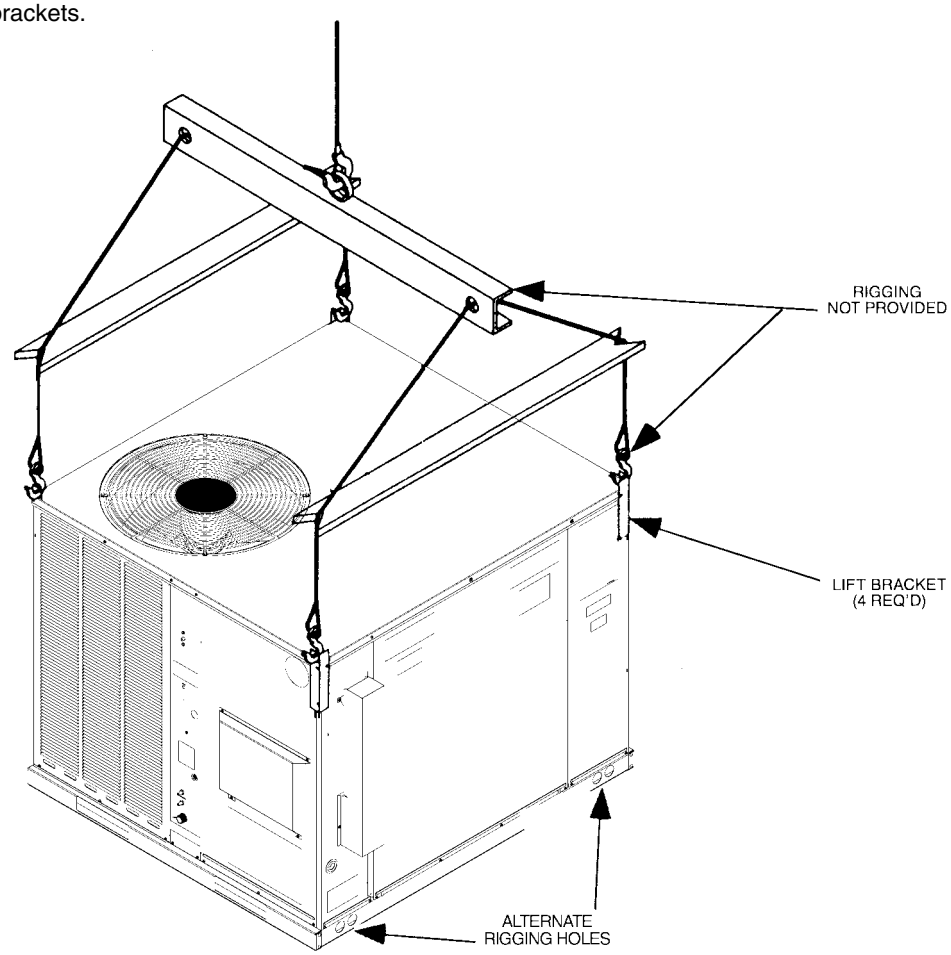
OLD MODEL		OLD CURB MODEL	NEW MODEL TO OLD MODEL ROOFCURB ADAPTER	NEW MODEL PACKAGE
SMALL CABINET (1½-2 TON) [5.28-7.03 kW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY RPNC-, RPND-	20 SERIES	RXPA-CA20 (1)	RXPX-BACCA20 RXPX-BACCA21 RXPX-BCCCA22 RXPX-BCCCA23	ONLY 1 CABINET SIZE— ALL MODELS RQPW-B
MEDIUM CABINET (2½-3 TON) [8.79-10.55 kW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY RPNC-, RPND-	21 SERIES	RXPA-CA21 (1)		
LARGE CABINET (3-3½ TON) [10.55-12.31 kW] RRGE-, RRGF-, RRGG-, RSNY	22 SERIES	RXPA-CA22 (1)		
EXTRA LARGE CABINET (3½-5 TON) [12.31-17.6 kW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY RPNC-, RPND- (4-5 TON) [14.07-17.58 kW]	23 SERIES	RXPA-CA23 (1)		

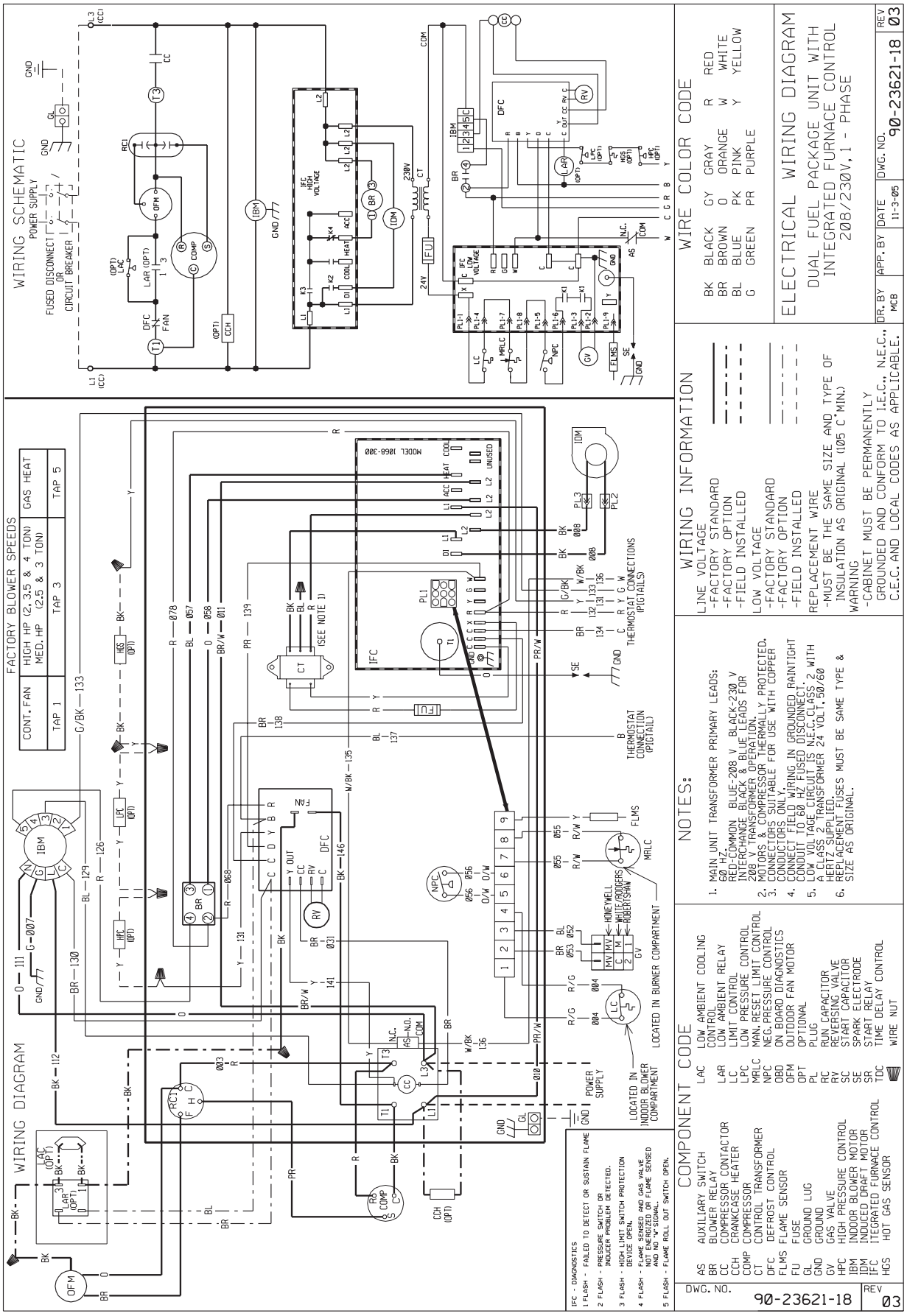
(1) SLOPE TYPE

[ ] Designates Metric Conversions

LIFT KIT—MODEL NO. RXML-A01

The lift kit is intended for temporary installation while the unit is being lifted into position. Kit includes 4 lift brackets.




WIRING DIAGRAM
WIRING SCHEMATIC
FACTORY BLOWER SPEEDS
CONT. FAN
HIGH HP (2, 3.5 & 4 TON)
MED. HP (2.5 & 3 TON)
GAS HEAT
TAP 1
TAP 3
TAP 5
COMPONENT CODE
NOTES:
WIRING INFORMATION
WIRE COLOR CODE
ELECTRICAL WIRING DIAGRAM
DUAL FUEL PACKAGE UNIT WITH
INTEGRATED FURNACE CONTROL
208/230V,1 - PHASE
DWG. NO. 90-23621-18
REV 03

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

GENERAL TERMS OF LIMITED WARRANTY

Ruud 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

Stainless Steel/1-Phase
Commercial Application .....Twenty (20) Years

Stainless Steel/1-Phase models/
Residential Application.....Limited Lifetime

Compressor (Residential).....Ten (10) Years

Any Other Part

1-Phase Models (Residential Applications) ..Five (5) Years

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

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.

RUUD
AIR CONDITIONING
DIVISION

5600 Old Greenwood Road, Fort Smith, Arkansas 72908

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

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