



PACKAGE HEAT PUMPS

FORM NO. P11-767 REV. 5
Supersedes Form No. P11-767 Rev. 4

Featuring Industry Standard R-410A Refrigerant

R-410A

RQNL- HIGH EFFICIENCY 13-SEER SERIES
NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

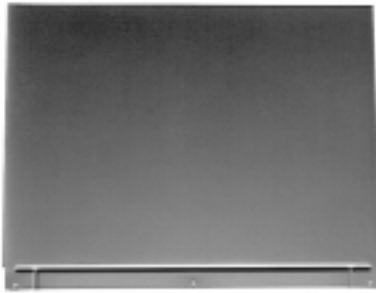
RQPL- HIGH EFFICIENCY 14-SEER SERIES
NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]



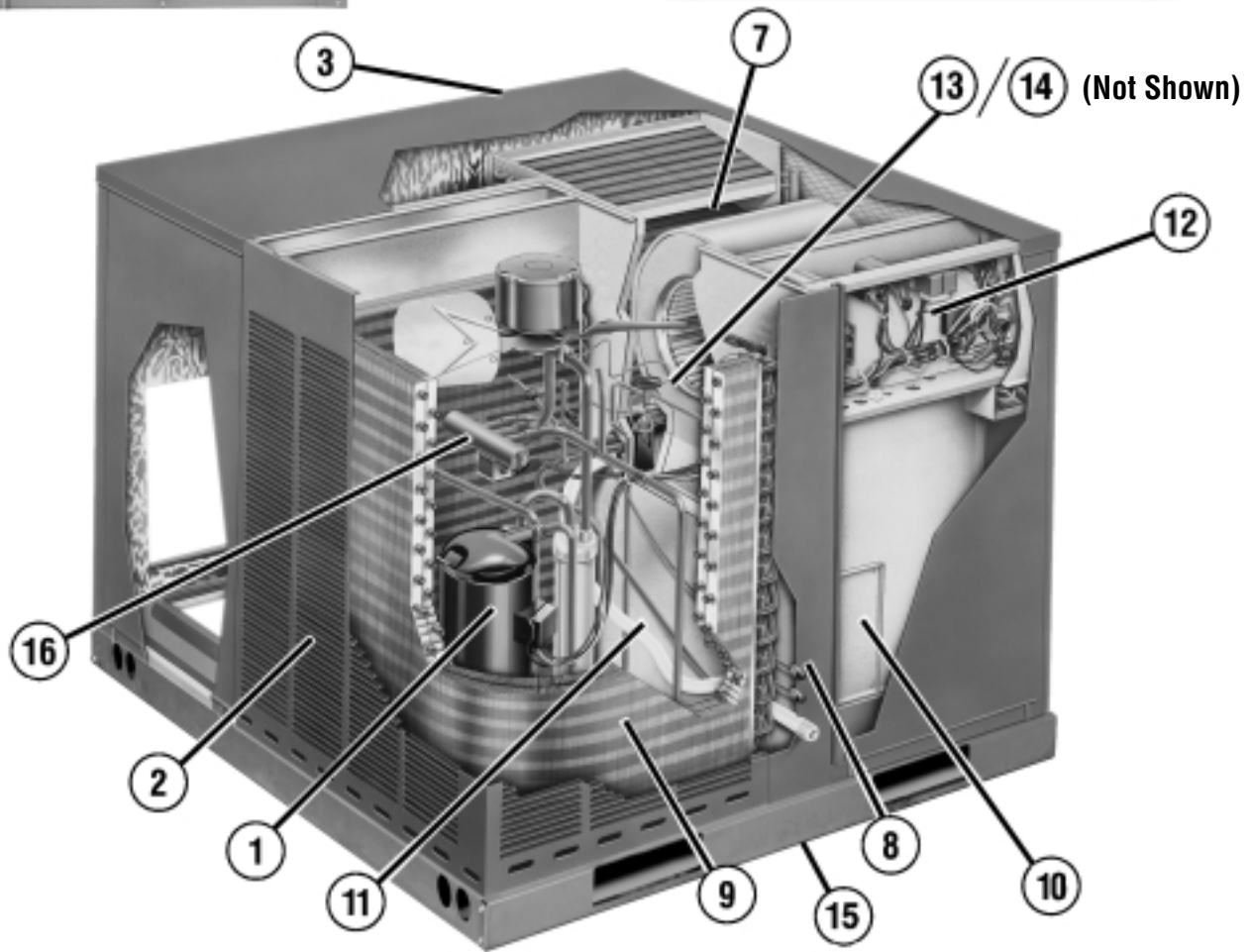
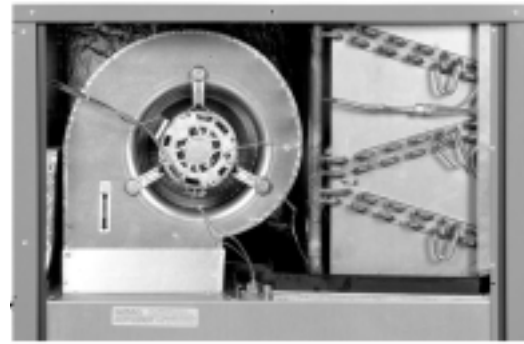


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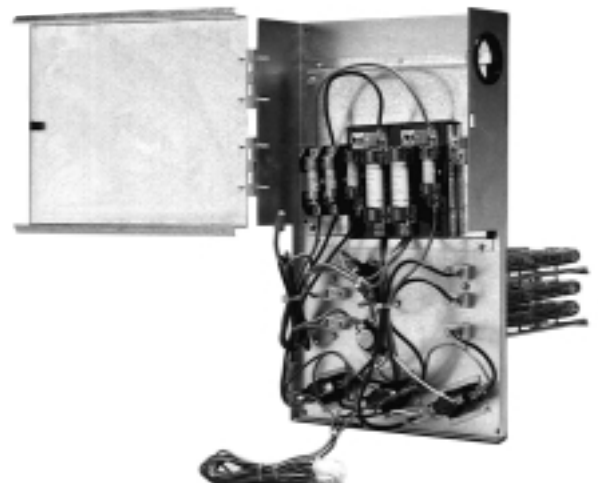
These quality features are included in the Rheem Outdoor Package Heat Pumps



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Features Below Correspond to Photos on Page 3

1. All models feature 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. (Shipped Downflow Standard).
7. Easily accessible blower section complete with slide-out blower.
8. Refrigerant connections are conveniently located for easy service diagnostics. Low pressure/loss of charge protection is standard on all models.
9. Condenser and evaporator coils feature enhanced fins for better heat transfer and rifled copper tubing for greater efficiency.
10. Supplemental electric heat strips up to 15 kW are available (field or factory installed) for periods of extreme cold temperatures. Single point wiring makes installation even easier.
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 heat pump utilizes demand defrost control which monitors the outdoor ambient temperature, outdoor coil temperature, and compressor run-time to determine when a defrost cycle is required.
13. Thermal Expansion Valve standard on all models for superior superheat control, reliability, and energy efficiency at all operating conditions.
14. Filter Drier Standard on all models (not shown).
15. Rugged Baserail for improved installation and handling.
16. Reversing valve directs flow of refrigerant and reverses the refrigerant flow when heating is required.



MODEL IDENTIFICATION—RQNL-/RQPL- SERIES



R Q N L — B024 J K 000 XXX

Factory Installed Options
(See Next Page)

Heating Capacity (Factory Installed)

000 = No Resistance Heat

005 = 05 KW Resistance Heat (018-030)

010 = 10 KW Resistance Heat (024-048)

015 = 15 KW Resistance Heat (036-048)

Drive Package

K = Direct Drive

Electrical Designation

J = 208-230V—1PH—60 Hz

C = 208-230V—3PH—60 Hz

Cooling Capacity (BTUH) [kW]

024 = 24,000 [7.03]

025 = 24,000 [7.03]

030 = 30,000 [8.79]

036 = 36,000 [10.55]

042 = 42,000 [12.31]

048 = 48,000 [14.07]

Design Series

L = R-410A

Efficiency Designation

N = 13 SEER High Efficiency

P = 14 SEER High Efficiency

Product Classification

Q = Package Heat Pump

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	Side Flow
AA	No Option
AKA	x

Example: RQNL-036JK000**XX** (where **XX** is factory installed option)

Example: No Options

RQNL-036JK000

Example: Options with Sideflow

RQNL-036JK000AKA

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



NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

Model RQNL- Series	B024JK	B030JK	B036CK	B036JK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	24,400 [7.15]	29,000 [8.5]	36,200 [10.61]	36,200 [10.61]
EER/SEER ²	11/13	11/13	11/13	11/13
Nominal CFM/AHRI Rated CFM [L/s]	800/800 [378/378]	1000/1000 [472/472]	1200/1250 [566/590]	1200/1250 [566/590]
AHRI Net Cooling Capacity Btu [kW]	23,600 [6.91]	27,800 [8.15]	35,000 [10.26]	35,000 [10.26]
Net Sensible Capacity Btu [kW]	17,600 [5.16]	20,800 [6.09]	26,000 [7.62]	26,000 [7.62]
Net Latent Capacity Btu [kW]	6,000 [1.76]	7,000 [2.05]	9,000 [2.64]	9,000 [2.64]
Net System Power kW	2.15	2.53	3.18	3.18
Heating Performance (Heat Pumps)⁴				
Heating Input Btu [kW] Rating	23,600 [6.91]	28,200 [8.26]	34,000 [9.96]	34,000 [9.96]
System Power KW/COP	2.02/3.4	2.45/3.4	2.86/3.5	2.86/3.5
Low Temp. Btuh [kW] Rating	13,000 [3.81]	16,000 [4.69]	19,500 [5.71]	19,500 [5.71]
System Power KW/COP	1.9/2	2.26/2.1	2.61/2.2	2.61/2.2
HSPF (Btu/Watts-hr)	7.7	7.7	7.7	7.7
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³	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]	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]	5.54 [0.51]	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]	1/9x7 [228.6x177.8]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/2	Direct/3	Direct/1	Direct/1
No. Motors	1	1	1	1
Motor HP	1/4	1/2	1/3	1/3
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)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	98 [2778]	108 [3062]	146 [4139]	146 [4139]
Weights				
Net Weight lbs. [kg]	391 [177]	444 [201]	471 [214]	468 [212]
Ship Weight lbs. [kg]	401 [182]	455 [206]	482 [219]	479 [217]

See Page 12 for Notes.

[] Designates Metric Conversions



NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

Model RQNL- Series	B042CK	B042JK	B048CK	B048JK
Cooling Performance¹				
Gross Cooling Capacity Btu [kW]	43,500 [12.75]	43,500 [12.75]	49,000 [14.36]	49,000 [14.36]
EER/SEER ²	11/13	11/13	11/13	11/13
Nominal CFM/AHRI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	47,500 [13.92]	47,500 [13.92]
Net Sensible Capacity Btu [kW]	31,500 [9.23]	31,500 [9.23]	36,000 [10.55]	36,000 [10.55]
Net Latent Capacity Btu [kW]	11,000 [3.22]	11,000 [3.22]	11,500 [3.37]	11,500 [3.37]
Net System Power kW	3.86	3.86	4.31	4.31
Heating Performance (Heat Pumps)⁴				
Heating Input Btu [kW] Rating	41,500 [12.16]	41,500 [12.16]	46,000 [13.48]	46,000 [13.48]
System Power KW/COP	3.65/3.4	3.65/3.4	3.89/3.4	3.89/3.4
Low Temp. Btuh [kW] Rating	24,200 [7.09]	24,200 [7.09]	26,600 [7.79]	26,600 [7.79]
System Power KW/COP	3.43/2.08	3.43/2.08	3.57/2.2	3.57/2.2
HSPF (Btu/Watts-hr)	7.7	7.7	7.7	7.7
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³				
	76	76	78	78
Outdoor Coil—Fin Type				
Tube 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]	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				
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]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
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]	3000 [1416]	3000 [1416]
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 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/2	Direct/2
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
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)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]				
	176 [4990]	176 [4990]	183 [5188]	183 [5188]
Weights				
Net Weight lbs. [kg]	508 [230]	505 [229]	500 [227]	510 [231]
Ship Weight lbs. [kg]	519 [235]	516 [234]	511 [232]	521 [236]

See Page 12 for Notes.

[] Designates Metric Conversions



NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

Model RQPL- Series	B024JK	B025JK	B030JK	B036CK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	25,000 [7.32]	24,400 [7.15]	29,800 [8.73]	36,800 [10.78]
EER/SEER ²	11.8/14	12/14	12/14	12/14
Nominal CFM/AHRI Rated CFM [L/s]	800/850 [378/401]	800/850 [378/401]	1000/1050 [472/495]	1200/1250 [566/590]
AHRI Net Cooling Capacity Btu [kW]	24,400 [7.15]	23,800 [6.97]	29,200 [8.56]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	18,900 [5.54]	17,800 [5.22]	23,000 [6.74]	27,000 [7.91]
Net Latent Capacity Btu [kW]	5,500 [1.61]	6,000 [1.76]	6,200 [1.82]	9,000 [2.64]
Net System Power kW	2.06	1.98	2.43	3
Heating Performance (Heat Pumps)⁴				
Heating Input Btu [kW] Rating	23,800 [6.97]	23,600 [6.91]	27,800 [8.15]	33,200 [9.73]
System Power KW/COP	1.94/3.5	1.88/3.7	2.27/3.6	2.73/3.6
Low Temp. Btuh [kW] Rating	13,800 [4.04]	12,900 [3.78]	15,500 [4.54]	18,000 [5.27]
System Power KW/COP	1.78/2.2	1.7/2.24	2.07/2.2	2.5/2.2
HSPF (Btu/Watts-hr)	8	8	8	8
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³				
	76	76	76	76
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]	14.51 [1.35]	14.51 [1.35]	16.32 [1.52]	11.2 [1.04]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
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]	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]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
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]	2700 [1274]	2700 [1274]	2700 [1274]	2700 [1274]
No. Motors/HP	1 at 1/5 HP	1 at 1/3 HP	1 at 1/5 HP	1 at 1/5 HP
Motor RPM	1075	869	1075	1075
Indoor Fan—Type				
FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [228.6x177.8]	1/9x7 [229x178]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/3	1/3	1/2	1/2
Motor RPM	1050	1050	1050	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)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]				
	98 [2778]	98 [2778]	108 [3062]	146 [4139]
Weights				
Net Weight lbs. [kg]	391 [177]	391 [177]	444 [201]	471 [214]
Ship Weight lbs. [kg]	401 [182]	401 [182]	455 [206]	482 [219]

See Page 12 for Notes.

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NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

Model RQPL- Series	B036JK	B042CK	B042JK	B048CK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	43,500 [12.75]	43,500 [12.75]	49,000 [14.36]
EER/SEER ²	12/14	11.3/14	11.3/14	11.5/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1250 [566/590]	1400/1400 [661/661]	1400/1400 [661/661]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	36,000 [10.55]	42,500 [12.45]	42,500 [12.45]	47,500 [13.92]
Net Sensible Capacity Btu [kW]	27,000 [7.91]	31,500 [9.23]	31,500 [9.23]	36,000 [10.55]
Net Latent Capacity Btu [kW]	9,000 [2.64]	11,000 [3.22]	11,000 [3.22]	11,500 [3.37]
Net System Power kW	3	3.85	3.85	4.26
Heating Performance (Heat Pumps)⁴				
Heating Input Btu [kW] Rating	33,200 [9.73]	41,500 [12.16]	41,500 [12.16]	46,000 [13.48]
System Power KW/COP	2.73/3.6	3.65/3.4	3.65/3.4	3.89/3.45
Low Temp. Btuh [kW] Rating	18,000 [5.27]	24,200 [7.09]	24,200 [7.09]	26,600 [7.79]
System Power KW/COP	2.5/2.2	3.43/2.08	3.43/2.08	3.57/2.2
HSPF (Btu/Watts-hr)	8	8	8	8
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³	76	76	76	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]	11.2 [1.04]	16.32 [1.52]	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]	3300 [1557]	3300 [1557]	3000 [1416]
No. Motors/HP	1 at 1/5 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 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/3	Direct/2	Direct/2	Direct/2
No. Motors	1	1	1	1
Motor HP	1/2	3/4	3/4	3/4
Motor RPM	1050	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]	146 [4139]	176 [4990]	176 [4990]	183 [5188]
Weights				
Net Weight lbs. [kg]	468 [212]	508 [230]	505 [229]	500 [227]
Ship Weight lbs. [kg]	479 [217]	519 [235]	516 [234]	511 [232]

See Page 12 for Notes.

[] Designates Metric Conversions

**NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]**

Model RQPL- Series	B048JK
Cooling Performance¹	
Gross Cooling Capacity Btu [kW]	49,000 [14.36]
EER/SEER ²	11.5/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	47,500 [13.92]
Net Sensible Capacity Btu [kW]	36,000 [10.55]
Net Latent Capacity Btu [kW]	11,500 [3.37]
Net System Power kW	4.26
Heating Performance (Heat Pumps)⁴	
Heating Input Btu [kW] Rating	46,000 [13.48]
System Power KW/COP	3.89/3.45
Low Temp. Btuh [kW] Rating	26,600 [7.79]
System Power KW/COP	3.57/2.2
HSPF (Btu/Watts-hr)	8
Compressor	
No./Type	1/Scroll
Outdoor Sound Rating (dB)³	
	78
Outdoor Coil—Fin Type	
Tube Type	Rifled
Tube Size in. [mm] OD	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.32 [1.52]
Rows / FPI [FPcm]	2 / 22 [9]
Refrigerant Control	TX Valves
Indoor Coil—Fin Type	
Tube Type	Rifled
Tube Size in. [mm]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]
Refrigerant Control	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]
Outdoor Fan—Type	
	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1
CFM [L/s]	3000 [1416]
No. Motors/HP	1 at 1/3 HP
Motor RPM	1075
Indoor Fan—Type	
	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/2
No. Motors	1
Motor HP	3/4
Motor RPM	1075
Motor Frame Size	48
Filter—Type	
Furnished	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	
	183 [5188]
Weights	
Net Weight lbs. [kg]	510 [231]
Ship Weight lbs. [kg]	521 [236]

See Page 12 for Notes.

[] Designates Metric Conversions



NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation in CFM range shown in airflow tables. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. EER and/or SEER are rated at AHRI conditions and in accordance with DOE test procedures.
3. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.
4. 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.



SYSTEMS PERFORMANCE—RQNL- SERIES

COOLING PERFORMANCE DATA—RQNL-024

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
		880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	
		CFM [L/s]									
		DR ①	.17	.15	.13	.17	.15	.13	.17	.15	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	29.4 [8.62]	28.9 [8.47]	28.3 [8.29]	28.1 [8.24]	27.6 [8.09]	27.1 [7.94]	27.1 [7.94]	26.6 [7.80]	26.1 [7.65]
		Sens BTUH [kW]	18.2 [5.33]	17.4 [5.10]	16.6 [4.86]	21.0 [6.15]	20.1 [5.89]	19.1 [5.60]	22.3 [6.54]	21.3 [6.24]	20.3 [5.95]
		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]	29.2 [8.56]	28.6 [8.38]	28.1 [8.24]	27.8 [8.15]	27.3 [8.00]	26.8 [7.85]	26.8 [7.85]	26.4 [7.74]	25.9 [7.59]
		Sens BTUH [kW]	18.0 [5.28]	17.2 [5.04]	16.4 [4.81]	20.8 [6.10]	19.8 [5.80]	18.9 [5.54]	22.1 [6.48]	21.1 [6.18]	20.1 [5.89]
		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]	28.5 [8.35]	28.0 [8.21]	27.5 [8.06]	27.2 [7.97]	26.7 [7.83]	26.2 [7.68]	26.2 [7.68]	25.7 [7.53]	25.2 [7.39]
		Sens BTUH [kW]	17.6 [5.16]	16.8 [4.92]	16.0 [4.69]	20.4 [5.98]	19.5 [5.71]	18.6 [5.45]	21.7 [6.36]	20.7 [6.07]	19.7 [5.77]
		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]	27.5 [8.06]	27.0 [7.91]	26.5 [7.77]	26.1 [7.65]	25.7 [7.53]	25.2 [7.39]	25.2 [7.39]	24.7 [7.24]	24.3 [7.12]
Sens BTUH [kW]		17.1 [5.01]	16.3 [4.78]	15.6 [4.57]	19.9 [5.83]	19.0 [5.57]	18.1 [5.30]	21.2 [6.21]	20.2 [5.92]	19.3 [5.66]	
Power		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
95 [35]	Total BTUH [kW]	26.2 [7.68]	25.8 [7.56]	25.3 [7.41]	24.9 [7.30]	24.5 [7.18]	24.0 [7.03]	23.9 [7.00]	23.5 [6.89]	23.1 [6.77]	
	Sens BTUH [kW]	16.5 [4.84]	15.8 [4.63]	15.0 [4.40]	19.3 [5.66]	18.5 [5.42]	17.6 [5.16]	20.6 [6.04]	19.7 [5.77]	18.8 [5.51]	
	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]	24.9 [7.30]	24.4 [7.15]	24.0 [7.03]	23.5 [6.89]	23.1 [6.77]	22.7 [6.65]	22.5 [6.59]	22.1 [6.48]	21.7 [6.36]	
	Sens BTUH [kW]	15.9 [4.66]	15.2 [4.45]	14.5 [4.25]	18.7 [5.48]	17.9 [5.25]	17.0 [4.98]	20.0 [5.86]	19.1 [5.60]	18.2 [5.33]	
	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]	23.5 [6.89]	23.1 [6.77]	22.7 [6.65]	22.2 [6.51]	21.8 [6.39]	21.4 [6.27]	21.2 [6.21]	20.8 [6.10]	20.4 [5.98]	
	Sens BTUH [kW]	15.2 [4.45]	14.5 [4.25]	13.9 [4.07]	18.0 [5.28]	17.2 [5.04]	16.4 [4.81]	19.3 [5.66]	18.5 [5.42]	17.6 [5.16]	
	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]	22.2 [6.51]	21.8 [6.39]	21.4 [6.27]	20.9 [6.13]	20.5 [6.01]	20.1 [5.89]	19.9 [5.83]	19.5 [5.71]	19.2 [5.63]	
	Sens BTUH [kW]	14.6 [4.28]	14.0 [4.10]	13.3 [3.90]	17.4 [5.10]	16.7 [4.89]	15.9 [4.66]	18.7 [5.48]	17.9 [5.25]	17.0 [4.98]	
	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]	21.1 [6.18]	20.7 [6.07]	20.3 [5.95]	19.8 [5.80]	19.4 [5.69]	19.0 [5.57]	18.8 [5.51]	18.4 [5.39]	18.1 [5.30]	
	Sens BTUH [kW]	14.0 [4.10]	13.4 [3.93]	12.8 [3.75]	16.9 [4.95]	16.1 [4.72]	15.4 [4.51]	18.1 [5.30]	17.3 [5.07]	16.5 [4.84]	
	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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

HEATING PERFORMANCE DATA—RQNL-024

		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
		880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	
		CFM [L/s]									
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	8.3 [2.43]	8.3 [2.43]	8.2 [2.40]	7.4 [2.17]	7.4 [2.17]	7.3 [2.14]	6.0 [1.76]	6.0 [1.76]	5.9 [1.73]
		Power	1.4	1.4	1.4	1.6	1.6	1.6	1.8	1.8	1.9
	5 [-15]	Total BTUH [kW]	10.0 [2.93]	9.9 [2.90]	9.8 [2.87]	9.1 [2.67]	9.0 [2.64]	9.0 [2.64]	7.6 [2.23]	7.6 [2.23]	7.5 [2.20]
		Power	1.4	1.4	1.4	1.6	1.6	1.6	1.8	1.8	1.9
	10 [-12.2]	Total BTUH [kW]	11.6 [3.40]	11.5 [3.37]	11.4 [3.34]	10.7 [3.14]	10.6 [3.11]	10.6 [3.11]	9.3 [2.73]	9.2 [2.70]	9.1 [2.67]
		Power	1.4	1.4	1.5	1.6	1.6	1.6	1.8	1.9	1.9
	15 [-9.4]	Total BTUH [kW]	13.2 [3.87]	13.1 [3.84]	13.0 [3.81]	12.3 [3.60]	12.3 [3.60]	12.2 [3.58]	10.9 [3.19]	10.8 [3.17]	10.8 [3.17]
		Power	1.4	1.5	1.5	1.6	1.6	1.7	1.9	1.9	1.9
	20 [-6.7]	Total BTUH [kW]	14.9 [4.37]	14.8 [4.34]	14.7 [4.31]	14.0 [4.10]	13.9 [4.07]	13.8 [4.04]	12.5 [3.66]	12.5 [3.66]	12.4 [3.63]
		Power	1.5	1.5	1.5	1.6	1.7	1.7	1.9	1.9	1.9
25 [-3.9]	Total BTUH [kW]	16.5 [4.84]	16.4 [4.81]	16.3 [4.78]	15.6 [4.57]	15.5 [4.54]	15.4 [4.51]	14.2 [4.16]	14.1 [4.13]	14.0 [4.10]	
	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]	18.1 [5.30]	18.0 [5.28]	17.9 [5.25]	17.2 [5.04]	17.1 [5.01]	17.0 [4.98]	15.8 [4.63]	15.7 [4.60]	15.6 [4.57]	
	Power	1.5	1.5	1.5	1.7	1.7	1.7	1.9	2.0	2.0	
35 [1.7]	Total BTUH [kW]	19.8 [5.80]	19.6 [5.74]	19.5 [5.71]	18.9 [5.54]	18.7 [5.48]	18.6 [5.45]	17.4 [5.10]	17.3 [5.07]	17.2 [5.04]	
	Power	1.5	1.5	1.6	1.7	1.7	1.7	1.9	2.0	2.0	
40 [4.4]	Total BTUH [kW]	21.4 [6.27]	21.3 [6.24]	21.1 [6.18]	20.5 [6.01]	20.4 [5.98]	20.2 [5.92]	19.1 [5.60]	18.9 [5.54]	18.8 [5.51]	
	Power	1.5	1.6	1.6	1.7	1.7	1.8	2.0	2.0	2.0	
45 [7.2]	Total BTUH [kW]	23.0 [6.74]	22.9 [6.71]	22.7 [6.65]	22.1 [6.48]	22.0 [6.45]	21.8 [6.39]	20.7 [6.07]	20.6 [6.04]	20.4 [5.98]	
	Power	1.6	1.6	1.6	1.7	1.8	1.8	2.0	2.0	2.0	
50 [10]	Total BTUH [kW]	24.7 [7.24]	24.5 [7.18]	24.3 [7.12]	23.8 [6.98]	23.6 [6.92]	23.4 [6.86]	22.3 [6.54]	22.2 [6.51]	22.0 [6.45]	
	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

SYSTEMS PERFORMANCE—RQNL- SERIES



COOLING PERFORMANCE DATA—RQNL-030

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
wbE		CFM [L/s]	1100 [519]	1000 [472]	900 [425]	1100 [519]	1000 [472]	900 [425]	1100 [519]	1000 [472]	900 [425]
DR ①			.02	.18	.16	.02	.18	.16	.02	.18	.16
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	36.1 [10.58] 22.0 [6.45] 1.9	35.4 [10.37] 21.0 [6.15] 1.9	34.8 [10.20] 20.0 [5.86] 1.8	34.1 [9.99] 25.3 [7.41] 1.8	33.4 [9.79] 24.2 [7.09] 1.8	32.8 [9.61] 23.0 [6.74] 1.8	32.7 [9.58] 26.7 [7.83] 1.9	32.1 [9.41] 25.5 [7.47] 1.9	31.5 [9.23] 24.3 [7.12] 1.8
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	34.9 [10.23] 21.4 [6.27] 2.0	34.3 [10.05] 20.4 [5.98] 1.9	33.6 [9.85] 19.5 [5.71] 1.9	32.9 [9.64] 24.7 [7.24] 1.9	32.3 [9.47] 23.6 [6.92] 1.9	31.7 [9.29] 22.5 [6.59] 1.9	31.5 [9.23] 26.1 [7.65] 2.0	31.0 [9.09] 25.0 [7.33] 1.9	30.4 [8.91] 23.8 [6.98] 1.9
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	33.8 [9.91] 20.8 [6.10] 2.1	33.2 [9.73] 19.9 [5.83] 2.0	32.6 [9.55] 19.0 [5.57] 2.0	31.8 [9.32] 24.1 [7.06] 2.0	31.2 [9.14] 23.0 [6.74] 2.0	30.6 [8.97] 22.0 [6.45] 2.0	30.4 [8.91] 25.5 [7.47] 2.1	29.8 [8.73] 24.4 [7.15] 2.0	29.3 [8.59] 23.3 [6.83] 2.0
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	32.6 [9.55] 20.2 [5.92] 2.2	32.0 [9.38] 19.3 [5.66] 2.1	31.5 [9.23] 18.4 [5.39] 2.1	30.6 [8.97] 23.5 [6.89] 2.1	30.1 [8.82] 22.5 [6.59] 2.1	29.5 [8.65] 21.4 [6.27] 2.1	29.3 [8.59] 25.0 [7.33] 2.2	28.7 [8.41] 23.9 [7.00] 2.1	28.2 [8.26] 22.7 [6.65] 2.1
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	31.5 [9.23] 19.7 [5.77] 2.2	30.9 [9.06] 18.8 [5.51] 2.2	30.4 [8.91] 17.9 [5.25] 2.2	29.5 [8.65] 23.0 [6.74] 2.2	29.0 [8.50] 22.0 [6.45] 2.2	28.4 [8.32] 20.9 [6.13] 2.2	28.1 [8.24] 24.4 [7.15] 2.2	27.6 [8.09] 23.3 [6.83] 2.2	27.1 [7.94] 22.2 [6.51] 2.2
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	30.3 [8.88] 19.2 [5.63] 2.3	29.8 [8.73] 18.3 [5.36] 2.3	29.3 [8.59] 17.4 [5.10] 2.3	28.3 [8.29] 22.4 [6.56] 2.3	27.8 [8.15] 21.4 [6.27] 2.3	27.3 [8.00] 20.4 [5.98] 2.3	27.0 [7.91] 23.9 [7.00] 2.3	26.5 [7.77] 22.8 [6.68] 2.3	26.0 [7.62] 21.7 [6.36] 2.3
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	29.2 [8.56] 18.6 [5.45] 2.4	28.6 [8.38] 17.8 [5.22] 2.4	28.1 [8.24] 16.9 [4.95] 2.4	27.2 [7.97] 21.9 [6.42] 2.4	26.7 [7.83] 20.9 [6.13] 2.4	26.2 [7.68] 19.9 [5.83] 2.4	25.8 [7.56] 23.3 [6.83] 2.4	25.3 [7.41] 22.3 [6.54] 2.4	24.9 [7.30] 21.3 [6.24] 2.4
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	27.9 [8.18] 18.1 [5.30] 2.5	27.4 [8.03] 17.3 [5.07] 2.5	26.9 [7.88] 16.5 [4.84] 2.5	25.9 [7.59] 21.4 [6.27] 2.5	25.5 [7.47] 20.4 [5.98] 2.5	25.0 [7.33] 19.5 [5.71] 2.5	24.6 [7.21] 22.8 [6.68] 2.5	24.1 [7.06] 21.8 [6.39] 2.5	23.7 [6.95] 20.8 [6.10] 2.5
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	26.6 [7.80] 17.5 [5.13] 2.6	26.1 [7.65] 16.7 [4.89] 2.6	25.7 [7.53] 15.9 [4.66] 2.6	24.6 [7.21] 20.8 [6.10] 2.6	24.2 [7.09] 19.9 [5.83] 2.6	23.7 [6.95] 19.0 [5.57] 2.5	23.3 [6.83] 22.2 [6.51] 2.6	22.8 [6.68] 21.2 [6.21] 2.6	22.4 [6.56] 20.3 [5.95] 2.6

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

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

NOTES:

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

HEATING PERFORMANCE DATA—RQNL-030

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
IDB		CFM [L/s]	1100 [519]	1000 [472]	900 [425]	1100 [519]	1000 [472]	900 [425]	1100 [519]	1000 [472]	900 [425]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	9.3 [2.73] 1.6	9.3 [2.73] 1.6	9.2 [2.70] 1.6	7.8 [2.29] 1.8	7.7 [2.26] 1.8	7.7 [2.26] 1.8	6.4 [1.88] 2.0	6.3 [1.85] 2.0	6.3 [1.85] 2.1
	5 [-15]	Total BTUH [kW] Power	11.3 [3.31] 1.6	11.2 [3.28] 1.6	11.1 [3.25] 1.6	9.7 [2.84] 1.8	9.6 [2.81] 1.8	9.6 [2.81] 1.9	8.3 [2.43] 2.0	8.2 [2.40] 2.1	8.2 [2.40] 2.1
	10 [-12.2]	Total BTUH [kW] Power	13.2 [3.87] 1.6	13.1 [3.84] 1.7	13.0 [3.81] 1.7	11.6 [3.40] 1.9	11.5 [3.37] 1.9	11.5 [3.37] 1.9	10.2 [2.99] 2.1	10.1 [2.96] 2.1	10.1 [2.96] 2.1
	15 [-9.4]	Total BTUH [kW] Power	15.1 [4.43] 1.7	15.0 [4.40] 1.7	14.9 [4.37] 1.7	13.5 [3.96] 1.9	13.5 [3.96] 1.9	13.4 [3.93] 1.9	12.1 [3.55] 2.1	12.0 [3.52] 2.1	12.0 [3.52] 2.2
	20 [-6.7]	Total BTUH [kW] Power	17.0 [4.98] 1.7	16.9 [4.95] 1.7	16.8 [4.92] 1.7	15.5 [4.54] 1.9	15.4 [4.51] 1.9	15.3 [4.48] 2.0	14.0 [4.10] 2.1	13.9 [4.07] 2.2	13.8 [4.04] 2.2
	25 [-3.9]	Total BTUH [kW] Power	18.9 [5.54] 1.7	18.8 [5.51] 1.8	18.7 [5.48] 1.8	17.4 [5.10] 1.9	17.3 [5.07] 2.0	17.1 [5.01] 2.0	16.0 [4.69] 2.2	15.9 [4.66] 2.2	15.7 [4.60] 2.2
	30 [-1.1]	Total BTUH [kW] Power	20.9 [6.13] 1.8	20.7 [6.07] 1.8	20.6 [6.04] 1.8	19.3 [5.66] 2.0	19.2 [5.63] 2.0	19.0 [5.57] 2.0	17.9 [5.25] 2.2	17.8 [5.22] 2.2	17.6 [5.16] 2.3
	35 [1.7]	Total BTUH [kW] Power	22.8 [6.68] 1.8	22.6 [6.62] 1.8	22.5 [6.59] 1.8	21.2 [6.21] 2.0	21.1 [6.18] 2.0	20.9 [6.13] 2.1	19.8 [5.80] 2.2	19.7 [5.77] 2.3	19.5 [5.71] 2.3
	40 [4.4]	Total BTUH [kW] Power	24.7 [7.24] 1.8	24.5 [7.18] 1.8	24.4 [7.15] 1.9	23.2 [6.80] 2.0	23.0 [6.74] 2.1	22.8 [6.68] 2.1	21.7 [6.36] 2.3	21.6 [6.33] 2.3	21.4 [6.27] 2.3
	45 [7.2]	Total BTUH [kW] Power	26.6 [7.80] 1.9	26.4 [7.74] 1.9	26.3 [7.71] 1.9	25.1 [7.36] 2.1	24.9 [7.30] 2.1	24.7 [7.24] 2.1	23.7 [6.95] 2.3	23.5 [6.89] 2.3	23.3 [6.83] 2.3
50 [10]	Total BTUH [kW] Power	28.6 [8.38] 1.9	28.4 [8.32] 1.9	28.2 [8.26] 1.9	27.0 [7.91] 2.1	26.8 [7.85] 2.1	26.6 [7.80] 2.1	25.6 [7.50] 2.3	25.4 [7.44] 2.4	25.2 [7.39] 2.4	

IDB—Indoor air dry bulb

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RQNL- SERIES

COOLING PERFORMANCE DATA—RQNL-036

		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		.21	.19	.17	.21	.19	.17	.21	.19	.17	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	44.5 [13.04] 27.2 [7.97] 2.3	43.7 [12.81] 26.0 [7.62] 2.3	42.9 [12.57] 24.8 [7.27] 2.2	42.5 [12.46] 31.3 [9.17] 2.3	41.7 [12.22] 29.9 [8.76] 2.2	40.9 [11.99] 28.5 [8.35] 2.2	41.3 [12.10] 33.7 [9.88] 2.2	40.6 [11.90] 32.2 [9.44] 2.2	39.8 [11.66] 30.7 [9.00] 2.2
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	43.4 [12.72] 26.6 [7.80] 2.4	42.6 [12.48] 25.4 [7.44] 2.4	41.8 [12.25] 24.2 [7.09] 2.4	41.3 [12.10] 30.7 [9.00] 2.4	40.6 [11.90] 29.3 [8.59] 2.4	39.9 [11.69] 27.9 [8.18] 2.4	40.2 [11.78] 33.0 [9.67] 2.4	39.5 [11.58] 31.6 [9.26] 2.4	38.8 [11.37] 30.1 [8.82] 2.3
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	42.1 [12.34] 26.0 [7.62] 2.6	41.3 [12.10] 24.8 [7.27] 2.5	40.6 [11.90] 23.6 [6.92] 2.5	40.0 [11.72] 30.0 [8.79] 2.5	39.3 [11.52] 28.7 [8.41] 2.5	38.6 [11.31] 27.3 [8.00] 2.5	38.9 [11.40] 32.4 [9.50] 2.5	38.2 [11.20] 30.9 [9.06] 2.5	37.5 [10.99] 29.5 [8.65] 2.5
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	40.6 [11.90] 25.3 [7.41] 2.7	39.9 [11.69] 24.1 [7.06] 2.7	39.1 [11.46] 23.0 [6.74] 2.7	38.5 [11.28] 29.3 [8.59] 2.7	37.9 [11.11] 28.0 [8.21] 2.7	37.2 [10.90] 26.7 [7.83] 2.6	37.4 [10.96] 31.7 [9.29] 2.7	36.7 [10.76] 30.3 [8.88] 2.6	36.1 [10.58] 28.8 [8.44] 2.6
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	39.0 [11.43] 24.5 [7.18] 2.9	38.3 [11.22] 23.4 [6.86] 2.8	37.6 [11.02] 22.3 [6.54] 2.8	36.9 [10.81] 28.6 [8.38] 2.8	36.3 [10.64] 27.3 [8.00] 2.8	35.6 [10.43] 26.0 [7.62] 2.8	35.8 [10.49] 30.9 [9.06] 2.8	35.2 [10.32] 29.6 [8.67] 2.8	34.5 [10.11] 28.2 [8.26] 2.8
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	37.3 [10.93] 23.7 [6.95] 3.0	36.7 [10.76] 22.7 [6.65] 3.0	36.0 [10.55] 21.6 [6.33] 2.9	35.3 [10.35] 27.8 [8.15] 3.0	34.6 [10.14] 26.5 [7.77] 2.9	34.0 [9.96] 25.3 [7.41] 2.9	34.1 [9.99] 30.2 [8.85] 3.0	33.5 [9.82] 28.8 [8.44] 2.9	32.9 [9.64] 27.5 [8.06] 2.9
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	35.6 [10.43] 22.9 [6.71] 3.1	35.0 [10.26] 21.9 [6.42] 3.1	34.4 [10.08] 20.9 [6.13] 3.1	33.6 [9.85] 27.0 [7.91] 3.1	33.0 [9.67] 25.8 [7.56] 3.1	32.4 [9.50] 24.6 [7.21] 3.1	32.4 [9.50] 29.4 [8.62] 3.1	31.9 [9.35] 28.1 [8.24] 3.1	31.3 [9.17] 26.7 [7.83] 3.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	34.0 [9.96] 22.1 [6.48] 3.3	33.4 [9.79] 21.1 [6.18] 3.3	32.7 [9.58] 20.1 [5.89] 3.2	31.9 [9.35] 26.2 [7.68] 3.3	31.3 [9.17] 25.0 [7.33] 3.2	30.8 [9.03] 23.8 [6.98] 3.2	30.8 [9.03] 28.5 [8.35] 3.2	30.2 [8.85] 27.3 [8.00] 3.2	29.7 [8.70] 26.0 [7.62] 3.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	32.4 [9.50] 21.3 [6.24] 3.4	31.8 [9.32] 20.3 [5.95] 3.4	31.2 [9.14] 19.4 [5.69] 3.4	30.3 [8.88] 25.3 [7.41] 3.4	29.8 [8.73] 24.2 [7.09] 3.4	29.2 [8.56] 23.1 [6.77] 3.3	29.2 [8.56] 27.7 [8.12] 3.4	28.6 [8.38] 26.5 [7.77] 3.4	28.1 [8.24] 25.2 [7.39] 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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

HEATING PERFORMANCE DATA—RQNL-036

		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
IDB		1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	
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] Power	11.9 [3.49] 1.8	11.9 [3.49] 1.8	11.8 [3.46] 1.9	9.9 [2.90] 2.1	9.8 [2.87] 2.1	9.8 [2.87] 2.1	8.5 [2.49] 2.4	8.5 [2.49] 2.4	8.4 [2.46] 2.4
	5 [-15]	Total BTUH [kW] Power	14.4 [4.22] 1.9	14.3 [4.19] 1.9	14.2 [4.16] 1.9	12.4 [3.63] 2.1	12.3 [3.60] 2.1	12.2 [3.58] 2.2	11.0 [3.22] 2.4	10.9 [3.19] 2.4	10.8 [3.17] 2.5
	10 [-12.2]	Total BTUH [kW] Power	16.8 [4.92] 1.9	16.7 [4.89] 1.9	16.6 [4.86] 1.9	14.8 [4.34] 2.2	14.7 [4.31] 2.2	14.6 [4.28] 2.2	13.4 [3.93] 2.4	13.3 [3.90] 2.5	13.2 [3.87] 2.5
	15 [-9.4]	Total BTUH [kW] Power	19.3 [5.66] 1.9	19.2 [5.63] 2.0	19.0 [5.57] 2.0	17.3 [5.07] 2.2	17.1 [5.01] 2.2	17.0 [4.98] 2.2	15.9 [4.66] 2.5	15.8 [4.63] 2.5	15.7 [4.60] 2.5
	20 [-6.7]	Total BTUH [kW] Power	21.7 [6.36] 2.0	21.6 [6.33] 2.0	21.4 [6.27] 2.0	19.7 [5.77] 2.2	19.6 [5.74] 2.3	19.4 [5.69] 2.3	18.3 [5.36] 2.5	18.2 [5.33] 2.6	18.1 [5.30] 2.6
	25 [-3.9]	Total BTUH [kW] Power	24.2 [7.09] 2.0	24.0 [7.03] 2.0	23.9 [7.00] 2.1	22.2 [6.51] 2.3	22.0 [6.45] 2.3	21.8 [6.39] 2.3	20.8 [6.10] 2.6	20.6 [6.04] 2.6	20.5 [6.01] 2.6
	30 [-1.1]	Total BTUH [kW] Power	26.7 [7.83] 2.1	26.5 [7.77] 2.1	26.3 [7.71] 2.1	24.6 [7.21] 2.3	24.4 [7.15] 2.3	24.3 [7.12] 2.4	23.2 [6.80] 2.6	23.1 [6.77] 2.6	22.9 [6.71] 2.7
	35 [1.7]	Total BTUH [kW] Power	29.1 [8.53] 2.1	28.9 [8.47] 2.1	28.7 [8.41] 2.2	27.1 [7.94] 2.4	26.9 [7.88] 2.4	26.7 [7.83] 2.4	25.7 [7.53] 2.6	25.5 [7.47] 2.7	25.3 [7.41] 2.7
	40 [4.4]	Total BTUH [kW] Power	31.6 [9.26] 2.1	31.3 [9.17] 2.2	31.1 [9.11] 2.2	29.5 [8.65] 2.4	29.3 [8.59] 2.4	29.1 [8.53] 2.5	28.1 [8.24] 2.7	27.9 [8.18] 2.7	27.7 [8.12] 2.8
	45 [7.2]	Total BTUH [kW] Power	34.0 [9.96] 2.2	33.8 [9.91] 2.2	33.5 [9.82] 2.2	32.0 [9.38] 2.4	31.7 [9.29] 2.5	31.5 [9.23] 2.5	30.6 [8.97] 2.7	30.4 [8.91] 2.8	30.2 [8.85] 2.8
50 [10]	Total BTUH [kW] Power	36.5 [10.70] 2.2	36.2 [10.61] 2.2	35.9 [10.52] 2.3	34.4 [10.08] 2.5	34.2 [10.02] 2.5	33.9 [9.94] 2.5	33.0 [9.67] 2.8	32.8 [9.61] 2.8	32.6 [9.55] 2.8	

IDB—Indoor air dry bulb

[] Designates Metric Conversions



COOLING PERFORMANCE DATA—RQNL-042

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
		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] Sens BTUH [kW] Power	53.9 [15.80] 32.2 [9.44] 2.9	52.9 [15.50] 30.7 [9.00] 2.9	51.9 [15.21] 29.3 [8.59] 2.9	50.9 [14.92] 37.1 [10.87] 2.9	50.0 [14.65] 35.5 [10.40] 2.9	49.1 [14.39] 33.8 [9.91] 2.9	48.1 [14.10] 39.3 [11.52] 2.9	47.3 [13.86] 37.5 [10.99] 2.9	46.4 [13.60] 35.8 [10.49] 2.9
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	52.0 [15.24] 31.3 [9.17] 3.1	51.0 [14.95] 29.9 [8.76] 3.1	50.1 [14.68] 28.5 [8.35] 3.1	49.0 [14.36] 36.3 [10.64] 3.1	48.1 [14.10] 34.7 [10.17] 3.1	47.2 [13.83] 33.0 [9.67] 3.1	46.2 [13.54] 38.4 [11.25] 3.1	45.4 [13.31] 36.7 [10.76] 3.1	44.6 [13.07] 35.0 [10.26] 3.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	50.3 [14.74] 30.5 [8.94] 3.3	49.4 [14.48] 29.2 [8.56] 3.3	48.5 [14.21] 27.8 [8.15] 3.2	47.3 [13.86] 35.5 [10.40] 3.3	46.5 [13.63] 33.9 [9.94] 3.2	45.6 [13.36] 32.3 [9.47] 3.2	44.6 [13.07] 37.6 [11.02] 3.3	43.8 [12.84] 35.9 [10.52] 3.2	43.0 [12.60] 34.3 [10.05] 3.2
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	48.7 [14.27] 29.8 [8.73] 3.4	47.9 [14.04] 28.4 [8.32] 3.4	47.0 [13.77] 27.1 [7.94] 3.4	45.8 [13.42] 34.7 [10.17] 3.4	44.9 [13.16] 33.2 [9.73] 3.4	44.1 [12.92] 31.6 [9.26] 3.4	43.0 [12.60] 36.8 [10.79] 3.4	42.2 [12.37] 35.2 [10.32] 3.4	41.5 [12.16] 33.6 [9.85] 3.4
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	47.2 [13.83] 29.0 [8.50] 3.6	46.4 [13.60] 27.7 [8.12] 3.6	45.5 [13.33] 26.4 [7.74] 3.6	44.2 [12.95] 34.0 [9.96] 3.6	43.4 [12.72] 32.4 [9.50] 3.6	42.7 [12.51] 30.9 [9.06] 3.6	41.5 [12.16] 36.1 [10.58] 3.6	40.7 [11.93] 34.5 [10.11] 3.6	40.0 [11.72] 32.9 [9.64] 3.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	45.6 [13.36] 28.2 [8.26] 3.8	44.8 [13.13] 26.9 [7.88] 3.8	44.0 [12.90] 25.7 [7.53] 3.7	42.6 [12.48] 33.2 [9.73] 3.8	41.9 [12.28] 31.7 [9.29] 3.7	41.1 [12.05] 30.2 [8.85] 3.7	39.9 [11.69] 35.3 [10.35] 3.8	39.2 [11.49] 33.7 [9.88] 3.7	38.5 [11.28] 32.1 [9.41] 3.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	43.8 [12.84] 27.4 [8.03] 4.0	43.0 [12.60] 26.1 [7.65] 3.9	42.3 [12.40] 24.9 [7.30] 3.9	40.8 [11.96] 32.3 [9.47] 3.9	40.1 [11.75] 30.9 [9.06] 3.9	39.4 [11.55] 29.4 [8.62] 3.9	38.1 [11.17] 34.4 [10.08] 3.9	37.4 [10.96] 32.9 [9.64] 3.9	36.7 [10.76] 31.4 [9.20] 3.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	41.7 [12.22] 26.4 [7.74] 4.1	41.0 [12.02] 25.2 [7.39] 4.1	40.2 [11.78] 24.1 [7.06] 4.1	38.8 [11.37] 31.4 [9.20] 4.1	38.1 [11.17] 30.0 [8.79] 4.1	37.4 [10.96] 28.6 [8.38] 4.0	36.0 [10.55] 33.5 [9.82] 4.1	35.4 [10.37] 32.0 [9.38] 4.1	34.7 [10.17] 30.5 [8.94] 4.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	39.3 [11.52] 25.4 [7.44] 4.3	38.6 [11.31] 24.2 [7.09] 4.3	37.9 [11.11] 23.1 [6.77] 4.2	36.3 [10.64] 30.3 [8.88] 4.3	35.6 [10.43] 29.0 [8.50] 4.2	35.0 [10.26] 27.6 [8.09] 4.2	33.5 [9.82] 32.4 [9.50] 4.3	32.9 [9.64] 31.0 [9.09] 4.2	32.3 [9.47] 29.5 [8.65] 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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

HEATING PERFORMANCE DATA—RQNL-042

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
		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] Power	13.9 [4.07] 2.6	13.8 [4.04] 2.6	13.7 [4.02] 2.6	12.9 [3.78] 3.0	12.8 [3.75] 3.0	12.8 [3.75] 3.1	11.2 [3.28] 3.3	11.1 [3.25] 3.4	11.1 [3.25] 3.4
	5 [-15]	Total BTUH [kW] Power	16.9 [4.95] 2.6	16.8 [4.92] 2.6	16.7 [4.89] 2.7	16.0 [4.69] 3.0	15.8 [4.63] 3.1	15.7 [4.60] 3.1	14.2 [4.16] 3.4	14.1 [4.13] 3.4	14.0 [4.10] 3.5
	10 [-12.2]	Total BTUH [kW] Power	20.0 [5.86] 2.6	19.8 [5.80] 2.7	19.7 [5.77] 2.7	19.0 [5.57] 3.1	18.8 [5.51] 3.1	18.7 [5.48] 3.1	17.3 [5.07] 3.4	17.1 [5.01] 3.5	17.0 [4.98] 3.5
	15 [-9.4]	Total BTUH [kW] Power	23.0 [6.74] 2.7	22.8 [6.68] 2.7	22.6 [6.62] 2.7	22.0 [6.45] 3.1	21.8 [6.39] 3.1	21.7 [6.36] 3.2	20.3 [5.95] 3.5	20.1 [5.89] 3.5	20.0 [5.86] 3.5
	20 [-6.7]	Total BTUH [kW] Power	26.0 [7.62] 2.7	25.8 [7.56] 2.7	25.6 [7.50] 2.8	25.0 [7.33] 3.1	24.8 [7.27] 3.2	24.7 [7.24] 3.2	23.3 [6.83] 3.5	23.1 [6.77] 3.5	23.0 [6.74] 3.6
	25 [-3.9]	Total BTUH [kW] Power	29.0 [8.50] 2.8	28.8 [8.44] 2.8	28.6 [8.38] 2.8	28.0 [8.21] 3.2	27.8 [8.15] 3.2	27.6 [8.09] 3.3	26.3 [7.71] 3.5	26.1 [7.65] 3.6	25.9 [7.59] 3.6
	30 [-1.1]	Total BTUH [kW] Power	32.0 [9.38] 2.8	31.8 [9.32] 2.8	31.6 [9.26] 2.9	31.1 [9.11] 3.2	30.8 [9.03] 3.2	30.6 [8.97] 3.3	29.3 [8.59] 3.6	29.1 [8.53] 3.6	28.9 [8.47] 3.7
	35 [1.7]	Total BTUH [kW] Power	35.1 [10.29] 2.8	34.8 [10.20] 2.9	34.6 [10.14] 2.9	34.1 [9.99] 3.2	33.8 [9.91] 3.3	33.6 [9.85] 3.3	32.4 [9.50] 3.6	32.1 [9.41] 3.6	31.9 [9.35] 3.7
	40 [4.4]	Total BTUH [kW] Power	38.1 [11.17] 2.9	37.8 [11.08] 2.9	37.5 [10.99] 2.9	37.1 [10.87] 3.3	36.8 [10.79] 3.3	36.6 [10.73] 3.4	35.4 [10.37] 3.6	35.1 [10.29] 3.7	34.9 [10.23] 3.7
	45 [7.2]	Total BTUH [kW] Power	41.1 [12.05] 2.9	40.8 [11.96] 2.9	40.5 [11.87] 3.0	40.1 [11.75] 3.3	39.8 [11.66] 3.4	39.6 [11.61] 3.4	38.4 [11.25] 3.7	38.1 [11.17] 3.7	37.9 [11.11] 3.8
50 [10]	Total BTUH [kW] Power	44.1 [12.92] 2.9	43.8 [12.84] 3.0	43.5 [12.75] 3.0	43.1 [12.63] 3.4	42.8 [12.54] 3.4	42.5 [12.46] 3.4	41.4 [12.13] 3.7	41.1 [12.05] 3.8	40.8 [11.96] 3.8	

IDB—Indoor air dry bulb

[] Designates Metric Conversions



COOLING PERFORMANCE DATA—RQNL-048

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
		CFM [L/s]	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	3.2	3.2	3.2	3.2	3.1	3.2	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	3.4	3.3	3.4	3.4	3.3	3.4	3.3	3.3
	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	3.6	3.6	3.5	3.6	3.5	3.5	3.5	3.5	3.5
	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		3.8	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.7	
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	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	
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	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	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	4.3	4.3	4.3	4.2	4.3	4.3	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	4.5	4.5	4.5	4.5	4.4	4.5	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	4.7	4.6	4.7	4.7	4.6	4.7	4.6	4.6	

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

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

NOTES:

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

HEATING PERFORMANCE DATA—RQNL-048

		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]	20.4 [5.98]
		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]	29.5 [8.65]	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]	37.5 [10.99]	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]	48.1 [14.10]	47.8 [14.01]	47.0 [13.77]	46.7 [13.69]	46.4 [13.60]	46.0 [13.48]	45.7 [13.39]	45.3 [13.28]	
	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



COOLING PERFORMANCE DATA—RQPL-024

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
		940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]	
		CFM [L/s]									
		DR ①	.15	.13	.11	.15	.13	.11	.15	.13	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	29.9 [8.76] 19.2 [5.63] 1.5	29.4 [8.62] 18.4 [5.39] 1.5	28.8 [8.44] 17.5 [5.13] 1.5	28.6 [8.38] 22.0 [6.45] 1.5	28.0 [8.21] 21.0 [6.15] 1.5	27.5 [8.06] 20.1 [5.89] 1.5	27.6 [8.09] 23.3 [6.83] 1.5	27.1 [7.94] 22.3 [6.54] 1.5	26.6 [7.80] 21.2 [6.21] 1.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	29.7 [8.70] 19.0 [5.57] 1.6	29.1 [8.53] 18.1 [5.30] 1.6	28.6 [8.38] 17.3 [5.07] 1.6	28.3 [8.29] 21.8 [6.39] 1.6	27.8 [8.15] 20.8 [6.10] 1.6	27.3 [8.00] 19.9 [5.83] 1.6	27.3 [8.00] 23.1 [6.77] 1.6	26.8 [7.85] 22.1 [6.48] 1.6	26.4 [7.74] 21.0 [6.15] 1.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	29.0 [8.50] 18.6 [5.45] 1.7	28.5 [8.35] 17.8 [5.22] 1.7	27.9 [8.18] 16.9 [4.95] 1.7	27.6 [8.09] 21.4 [6.27] 1.7	27.2 [7.97] 20.5 [6.01] 1.7	26.7 [7.83] 19.5 [5.71] 1.7	26.7 [7.83] 22.7 [6.65] 1.7	26.2 [7.68] 21.7 [6.36] 1.7	25.7 [7.53] 20.7 [6.07] 1.7
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	28.0 [8.21] 18.1 [5.30] 1.8	27.5 [8.06] 17.3 [5.07] 1.8	27.0 [7.91] 16.5 [4.84] 1.8	26.6 [7.80] 20.9 [6.13] 1.8	26.2 [7.68] 20.0 [5.86] 1.8	25.7 [7.53] 19.1 [5.60] 1.8	25.6 [7.50] 22.2 [6.51] 1.8	25.2 [7.39] 21.2 [6.21] 1.8	24.7 [7.24] 20.2 [5.92] 1.8
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	26.7 [7.83] 17.5 [5.13] 1.9	26.3 [7.71] 16.7 [4.89] 1.9	25.8 [7.56] 16.0 [4.69] 1.9	25.4 [7.44] 20.4 [5.98] 1.9	24.9 [7.30] 19.4 [5.69] 1.9	24.5 [7.18] 18.5 [5.42] 1.9	24.4 [7.15] 21.6 [6.33] 1.9	24.0 [7.03] 20.7 [6.07] 1.9	23.5 [6.89] 19.7 [5.77] 1.9
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	25.4 [7.44] 16.9 [4.95] 2.0	24.9 [7.30] 16.1 [4.72] 2.0	24.5 [7.18] 15.4 [4.51] 2.0	24.0 [7.03] 19.7 [5.77] 2.0	23.6 [6.92] 18.8 [5.51] 2.0	23.2 [6.80] 18.0 [5.28] 2.0	23.0 [6.74] 21.0 [6.15] 2.0	22.6 [6.62] 20.1 [5.89] 2.0	22.2 [6.51] 19.1 [5.60] 2.0
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	24.0 [7.03] 16.3 [4.78] 2.1	23.6 [6.92] 15.5 [4.54] 2.1	23.1 [6.77] 14.8 [4.34] 2.1	22.6 [6.62] 19.1 [5.60] 2.1	22.2 [6.51] 18.2 [5.33] 2.1	21.8 [6.39] 17.4 [5.10] 2.1	21.7 [6.36] 20.4 [5.98] 2.1	21.3 [6.24] 19.5 [5.71] 2.1	20.9 [6.13] 18.5 [5.42] 2.1
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	22.7 [6.65] 15.6 [4.57] 2.2	22.3 [6.54] 14.9 [4.37] 2.2	21.9 [6.42] 14.2 [4.16] 2.2	21.4 [6.27] 18.5 [5.42] 2.2	21.0 [6.15] 17.6 [5.16] 2.2	20.6 [6.04] 16.8 [4.92] 2.2	20.4 [5.98] 19.7 [5.77] 2.2	20.0 [5.86] 18.9 [5.54] 2.2	19.6 [5.74] 18.0 [5.28] 2.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	21.6 [6.33] 15.1 [4.43] 2.3	21.2 [6.21] 14.4 [4.22] 2.3	20.8 [6.10] 13.7 [4.02] 2.3	20.2 [5.92] 17.9 [5.25] 2.3	19.9 [5.83] 17.1 [5.01] 2.3	19.5 [5.71] 16.3 [4.78] 2.3	19.3 [5.66] 19.2 [5.63] 2.3	18.9 [5.54] 18.3 [5.36] 2.3	18.6 [5.45] 17.5 [5.13] 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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

HEATING PERFORMANCE DATA—RQPL-024

		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
		940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]	
		CFM [L/s]									
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	8.9 [2.61] 1.4	8.8 [2.58] 1.4	8.7 [2.55] 1.4	8.0 [2.34] 1.6	7.9 [2.32] 1.6	7.9 [2.32] 1.6	6.5 [1.90] 1.8	6.5 [1.90] 1.8	6.5 [1.90] 1.9
	5 [-15]	Total BTUH [kW] Power	10.5 [3.08] 1.4	10.4 [3.05] 1.4	10.4 [3.05] 1.5	9.6 [2.81] 1.6	9.6 [2.81] 1.6	9.5 [2.78] 1.6	8.2 [2.40] 1.8	8.1 [2.37] 1.9	8.1 [2.37] 1.9
	10 [-12.2]	Total BTUH [kW] Power	12.1 [3.55] 1.4	12.1 [3.55] 1.5	12.0 [3.52] 1.5	11.3 [3.31] 1.6	11.2 [3.28] 1.6	11.1 [3.25] 1.7	9.8 [2.87] 1.9	9.8 [2.87] 1.9	9.7 [2.84] 1.9
	15 [-9.4]	Total BTUH [kW] Power	13.8 [4.04] 1.5	13.7 [4.02] 1.5	13.6 [3.99] 1.5	12.9 [3.78] 1.6	12.8 [3.75] 1.7	12.7 [3.72] 1.7	11.5 [3.37] 1.9	11.4 [3.34] 1.9	11.3 [3.31] 1.9
	20 [-6.7]	Total BTUH [kW] Power	15.4 [4.51] 1.5	15.3 [4.48] 1.5	15.2 [4.45] 1.5	14.5 [4.25] 1.7	14.4 [4.22] 1.7	14.3 [4.19] 1.7	13.1 [3.84] 1.9	13.0 [3.81] 1.9	12.9 [3.78] 1.9
	25 [-3.9]	Total BTUH [kW] Power	17.1 [5.01] 1.5	16.9 [4.95] 1.5	16.8 [4.92] 1.5	16.2 [4.75] 1.7	16.1 [4.72] 1.7	15.9 [4.66] 1.7	14.7 [4.31] 1.9	14.6 [4.28] 1.9	14.5 [4.25] 2.0
	30 [-1.1]	Total BTUH [kW] Power	18.7 [5.48] 1.5	18.6 [5.45] 1.5	18.4 [5.39] 1.6	17.8 [5.22] 1.7	17.7 [5.19] 1.7	17.6 [5.16] 1.7	16.4 [4.81] 1.9	16.3 [4.78] 2.0	16.1 [4.72] 2.0
	35 [1.7]	Total BTUH [kW] Power	20.3 [5.95] 1.5	20.2 [5.92] 1.6	20.0 [5.86] 1.6	19.4 [5.69] 1.7	19.3 [5.66] 1.7	19.2 [5.63] 1.8	18.0 [5.28] 2.0	17.9 [5.25] 2.0	17.8 [5.22] 2.0
	40 [4.4]	Total BTUH [kW] Power	22.0 [6.45] 1.6	21.8 [6.39] 1.6	21.7 [6.36] 1.6	21.1 [6.18] 1.7	20.9 [6.13] 1.8	20.8 [6.10] 1.8	19.6 [5.74] 2.0	19.5 [5.71] 2.0	19.4 [5.69] 2.0
	45 [7.2]	Total BTUH [kW] Power	23.6 [6.92] 1.6	23.4 [6.86] 1.6	23.3 [6.83] 1.6	22.7 [6.65] 1.8	22.6 [6.62] 1.8	22.4 [6.56] 1.8	21.3 [6.24] 2.0	21.1 [6.18] 2.0	21.0 [6.15] 2.1
50 [10]	Total BTUH [kW] Power	25.2 [7.39] 1.6	25.1 [7.36] 1.6	24.9 [7.30] 1.6	24.4 [7.15] 1.8	24.2 [7.09] 1.8	24.0 [7.03] 1.8	22.9 [6.71] 2.0	22.8 [6.68] 2.0	22.6 [6.62] 2.1	

IDB—Indoor air dry bulb

[] Designates Metric Conversions



COOLING PERFORMANCE DATA—RQPL-025

		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]		930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]	
DR ①		.15	.17	.19	.15	.17	.19	.15	.17	.19	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	30.4 [8.9]	29.9 [8.8]	29.3 [8.6]	28.5 [8.4]	28.0 [8.2]	27.5 [8.1]	26.8 [7.9]	26.4 [7.7]	25.9 [7.6]
		Sens BTUH [kW]	18.8 [5.5]	17.5 [5.1]	16.1 [4.7]	22.1 [6.5]	20.7 [6.1]	19.2 [5.6]	24.4 [7.2]	23.0 [6.8]	21.4 [6.3]
		Power	1.5	1.4	1.4	1.5	1.5	1.4	1.5	1.5	1.4
	80 [26.7]	Total BTUH [kW]	29.6 [8.7]	29.1 [8.5]	28.5 [8.4]	27.7 [8.1]	27.2 [8.0]	26.7 [7.8]	26.0 [7.6]	25.6 [7.5]	25.1 [7.4]
		Sens BTUH [kW]	18.2 [5.3]	16.9 [5.0]	15.5 [4.6]	21.5 [6.3]	20.1 [5.9]	18.6 [5.5]	23.8 [7.0]	22.4 [6.6]	20.8 [6.1]
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5
	85 [29.4]	Total BTUH [kW]	28.7 [8.4]	28.2 [8.3]	27.6 [8.1]	26.8 [7.9]	26.3 [7.7]	25.8 [7.6]	25.1 [7.4]	24.7 [7.2]	24.2 [7.1]
		Sens BTUH [kW]	17.5 [5.1]	16.3 [4.8]	14.9 [4.4]	20.9 [6.1]	19.5 [5.7]	18.1 [5.3]	23.2 [6.8]	21.8 [6.4]	20.2 [5.9]
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	90 [32.2]	Total BTUH [kW]	27.7 [8.1]	27.2 [8.0]	26.7 [7.8]	25.8 [7.6]	25.4 [7.4]	24.9 [7.3]	24.1 [7.1]	23.7 [6.9]	23.3 [6.8]
Sens BTUH [kW]		16.9 [5.0]	15.7 [4.6]	14.4 [4.2]	20.3 [6.0]	19.0 [5.6]	17.6 [5.2]	22.4 [6.6]	21.1 [6.2]	19.7 [5.8]	
Power		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
95 [35]	Total BTUH [kW]	26.7 [7.8]	26.2 [7.7]	25.7 [7.5]	24.8 [7.3]	24.4 [7.2]	23.9 [7.0]	23.1 [6.8]	22.7 [6.7]	22.3 [6.5]	
	Sens BTUH [kW]	16.3 [4.8]	15.1 [4.4]	13.9 [4.1]	19.6 [5.8]	18.4 [5.4]	17.0 [5.0]	21.9 [6.4]	20.6 [6.0]	19.2 [5.6]	
	Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
100 [37.8]	Total BTUH [kW]	25.6 [7.5]	25.2 [7.4]	24.7 [7.2]	23.7 [6.9]	23.3 [6.8]	22.9 [6.7]	22.0 [6.4]	21.7 [6.4]	21.3 [6.2]	
	Sens BTUH [kW]	15.8 [4.6]	14.7 [4.3]	13.5 [4.0]	19.0 [5.6]	17.8 [5.2]	16.5 [4.8]	21.3 [6.3]	20.1 [5.9]	18.7 [5.5]	
	Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
105 [40.6]	Total BTUH [kW]	24.5 [7.2]	24.1 [7.1]	23.6 [6.9]	22.6 [6.6]	22.2 [6.5]	21.8 [6.4]	20.9 [6.1]	20.6 [6.0]	20.2 [5.9]	
	Sens BTUH [kW]	15.2 [4.5]	14.2 [4.2]	13.0 [3.8]	18.5 [5.4]	17.3 [5.1]	16.1 [4.7]	20.8 [6.1]	19.6 [5.8]	18.3 [5.4]	
	Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
110 [43.3]	Total BTUH [kW]	23.3 [6.8]	22.9 [6.7]	22.5 [6.6]	21.4 [6.3]	21.0 [6.2]	20.6 [6.0]	19.7 [5.8]	19.4 [5.7]	19.0 [5.6]	
	Sens BTUH [kW]	14.7 [4.3]	13.7 [4.0]	12.6 [3.7]	18.0 [5.3]	16.8 [4.9]	15.6 [4.6]	19.7 [5.8]	19.1 [5.6]	17.8 [5.2]	
	Power	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1	
115 [46.1]	Total BTUH [kW]	22.1 [6.5]	21.7 [6.4]	21.3 [6.2]	20.2 [5.9]	19.8 [5.8]	19.4 [5.7]	18.5 [5.4]	18.2 [5.3]	17.8 [5.2]	
	Sens BTUH [kW]	14.2 [4.2]	13.2 [3.9]	12.2 [3.6]	17.5 [5.1]	16.4 [4.8]	15.2 [4.5]	18.5 [5.4]	18.2 [5.3]	17.4 [5.1]	
	Power	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.2	

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

HEATING PERFORMANCE DATA—RQPL-025

		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
IDB		930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]	
CFM [L/s]		930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	7.3 [2.1]	7.2 [2.1]	7.2 [2.1]	5.9 [1.7]	5.9 [1.7]	5.9 [1.7]	4.6 [1.3]	4.5 [1.3]	4.5 [1.3]
		Power	1.2	1.3	1.3	1.4	1.4	1.4	1.6	1.6	1.6
	5 [-15]	Total BTUH [kW]	9.1 [2.7]	9.1 [2.7]	9.0 [2.6]	7.8 [2.3]	7.7 [2.3]	7.7 [2.3]	6.4 [1.9]	6.4 [1.9]	6.3 [1.8]
		Power	1.3	1.3	1.3	1.4	1.5	1.5	1.6	1.6	1.7
	10 [-12.2]	Total BTUH [kW]	11.0 [3.2]	10.9 [3.2]	10.8 [3.2]	9.6 [2.8]	9.5 [2.8]	9.5 [2.8]	8.2 [2.4]	8.2 [2.4]	8.1 [2.4]
		Power	1.3	1.3	1.3	1.5	1.5	1.5	1.7	1.7	1.7
	15 [-9.4]	Total BTUH [kW]	12.8 [3.8]	12.7 [3.7]	12.6 [3.7]	11.4 [3.3]	11.4 [3.3]	11.3 [3.3]	10.1 [3.0]	10.0 [2.9]	9.9 [2.9]
		Power	1.3	1.3	1.4	1.5	1.5	1.5	1.7	1.7	1.7
	20 [-6.7]	Total BTUH [kW]	14.6 [4.3]	14.5 [4.2]	14.4 [4.2]	13.3 [3.9]	13.2 [3.9]	13.1 [3.8]	11.9 [3.5]	11.8 [3.5]	11.8 [3.5]
		Power	1.4	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.8
25 [-3.9]	Total BTUH [kW]	16.5 [4.8]	16.4 [4.8]	16.2 [4.7]	15.1 [4.4]	15.0 [4.4]	14.9 [4.4]	13.8 [4.0]	13.7 [4.0]	13.6 [4.0]	
	Power	1.4	1.4	1.4	1.6	1.6	1.6	1.7	1.8	1.8	
30 [-1.1]	Total BTUH [kW]	18.3 [5.4]	18.2 [5.3]	18.0 [5.3]	17.0 [5.0]	16.8 [4.9]	16.7 [4.9]	15.6 [4.6]	15.5 [4.5]	15.4 [4.5]	
	Power	1.4	1.4	1.4	1.6	1.6	1.6	1.8	1.8	1.8	
35 [1.7]	Total BTUH [kW]	20.1 [5.9]	20.0 [5.9]	19.9 [5.8]	18.8 [5.5]	18.7 [5.5]	18.5 [5.4]	17.4 [5.1]	17.3 [5.1]	17.2 [5.0]	
	Power	1.4	1.5	1.5	1.6	1.6	1.7	1.8	1.8	1.8	
40 [4.4]	Total BTUH [kW]	22.0 [6.4]	21.8 [6.4]	21.7 [6.4]	20.6 [6.0]	20.5 [6.0]	20.3 [5.9]	19.3 [5.7]	19.1 [5.6]	19.0 [5.6]	
	Power	1.5	1.5	1.5	1.6	1.7	1.7	1.8	1.9	1.9	
45 [7.2]	Total BTUH [kW]	23.8 [7.0]	23.7 [6.9]	23.5 [6.9]	22.5 [6.6]	22.3 [6.5]	22.1 [6.5]	21.1 [6.2]	21.0 [6.2]	20.8 [6.1]	
	Power	1.5	1.5	1.5	1.7	1.7	1.7	1.9	1.9	1.9	
50 [10]	Total BTUH [kW]	25.7 [7.5]	25.5 [7.5]	25.3 [7.4]	24.3 [7.1]	24.1 [7.1]	23.9 [7.0]	22.9 [6.7]	22.8 [6.7]	22.6 [6.6]	
	Power	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9	1.9	

IDB—Indoor air dry bulb

[] Designates Metric Conversions

SYSTEMS PERFORMANCE—RQPL- SERIES



COOLING PERFORMANCE DATA—RQPL-030

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
		1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]	
		CFM [L/s]									
		DR ①	.15	.13	.11	.15	.13	.11	.15	.13	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	36.9 [10.81] 23.7 [6.95] 1.9	36.2 [10.61] 22.6 [6.62] 1.9	35.5 [10.40] 21.5 [6.30] 1.9	34.9 [10.23] 26.9 [7.88] 1.9	34.2 [10.02] 25.7 [7.53] 1.9	33.6 [9.85] 24.5 [7.18] 1.9	33.5 [9.82] 28.4 [8.32] 1.9	32.9 [9.64] 27.1 [7.94] 1.9	32.3 [9.47] 25.8 [7.56] 1.9
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	35.7 [10.46] 23.1 [6.77] 2.0	35.1 [10.29] 22.0 [6.45] 2.0	34.4 [10.08] 21.0 [6.15] 2.0	33.7 [9.88] 26.3 [7.71] 2.0	33.1 [9.70] 25.2 [7.39] 2.0	32.5 [9.52] 24.0 [7.03] 2.0	32.3 [9.47] 27.8 [8.15] 2.0	31.8 [9.32] 26.5 [7.77] 2.0	31.2 [9.14] 25.3 [7.41] 2.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	34.6 [10.14] 22.5 [6.59] 2.1	33.9 [9.94] 21.5 [6.30] 2.1	33.3 [9.76] 20.5 [6.01] 2.1	32.6 [9.55] 25.8 [7.56] 2.1	32.0 [9.38] 24.6 [7.21] 2.1	31.4 [9.20] 23.5 [6.89] 2.1	31.2 [9.14] 27.2 [7.97] 2.1	30.6 [8.97] 26.0 [7.62] 2.1	30.1 [8.82] 24.8 [7.27] 2.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	33.4 [9.79] 21.9 [6.42] 2.2	32.8 [9.61] 20.9 [6.13] 2.2	32.2 [9.44] 20.0 [5.86] 2.2	31.4 [9.20] 25.2 [7.39] 2.2	30.9 [9.06] 24.1 [7.06] 2.2	30.3 [8.88] 23.0 [6.74] 2.2	30.1 [8.82] 26.6 [7.80] 2.2	29.5 [8.65] 25.4 [7.44] 2.2	29.0 [8.50] 24.3 [7.12] 2.2
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	32.3 [9.47] 21.4 [6.27] 2.3	31.7 [9.29] 20.4 [5.98] 2.3	31.1 [9.11] 19.5 [5.71] 2.3	30.3 [8.88] 24.7 [7.24] 2.3	29.8 [8.73] 23.6 [6.92] 2.3	29.2 [8.56] 22.5 [6.59] 2.3	28.9 [8.47] 26.1 [7.65] 2.3	28.4 [8.32] 24.9 [7.30] 2.3	27.9 [8.18] 23.8 [6.98] 2.3
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	31.1 [9.11] 20.8 [6.10] 2.4	30.6 [8.97] 19.9 [5.83] 2.4	30.0 [8.79] 19.0 [5.57] 2.4	29.1 [8.53] 24.1 [7.06] 2.4	28.6 [8.38] 23.0 [6.74] 2.4	28.1 [8.24] 22.0 [6.45] 2.3	27.8 [8.15] 25.5 [7.47] 2.4	27.3 [8.00] 24.4 [7.15] 2.4	26.8 [7.85] 23.3 [6.83] 2.4
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	30.0 [8.79] 20.3 [5.95] 2.5	29.4 [8.62] 19.4 [5.69] 2.5	28.9 [8.47] 18.5 [5.42] 2.5	28.0 [8.21] 23.6 [6.92] 2.5	27.5 [8.06] 22.5 [6.59] 2.5	27.0 [7.91] 21.5 [6.30] 2.4	26.6 [7.80] 25.0 [7.33] 2.5	26.1 [7.65] 23.9 [7.00] 2.5	25.6 [7.50] 22.8 [6.68] 2.5
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	28.7 [8.41] 19.7 [5.77] 2.6	28.2 [8.26] 18.8 [5.51] 2.6	27.7 [8.12] 18.0 [5.28] 2.6	26.7 [7.83] 23.0 [6.74] 2.6	26.2 [7.68] 22.0 [6.45] 2.6	25.8 [7.56] 21.0 [6.15] 2.5	25.4 [7.44] 24.4 [7.15] 2.6	24.9 [7.30] 23.4 [6.86] 2.6	24.5 [7.18] 22.3 [6.54] 2.6
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	27.4 [8.03] 19.2 [5.63] 2.7	26.9 [7.88] 18.3 [5.36] 2.7	26.4 [7.74] 17.5 [5.13] 2.7	25.4 [7.44] 22.5 [6.59] 2.7	25.0 [7.33] 21.5 [6.30] 2.6	24.5 [7.18] 20.5 [6.01] 2.6	24.1 [7.06] 23.9 [7.00] 2.7	23.6 [6.92] 22.8 [6.68] 2.7	23.2 [6.80] 21.8 [6.39] 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—RQPL-030

		IDB									
		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
		1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]	
		CFM [L/s]									
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	9.5 [2.78] 1.6	9.5 [2.78] 1.6	9.4 [2.75] 1.6	8.0 [2.34] 1.8	7.9 [2.32] 1.8	7.9 [2.32] 1.8	6.6 [1.93] 2.0	6.5 [1.90] 2.0	6.5 [1.90] 2.1
	5 [-15]	Total BTUH [kW] Power	11.5 [3.37] 1.6	11.4 [3.34] 1.6	11.3 [3.31] 1.6	19.9 [2.90] 1.8	19.8 [2.87] 1.8	19.8 [2.87] 1.9	18.5 [2.49] 2.0	18.4 [2.46] 2.1	18.4 [2.46] 2.1
	10 [-12.2]	Total BTUH [kW] Power	13.4 [3.93] 1.6	13.3 [3.90] 1.7	13.2 [3.87] 1.7	11.8 [3.46] 1.9	11.8 [3.46] 1.9	11.7 [3.43] 1.9	10.4 [3.05] 2.1	10.3 [3.02] 2.1	10.3 [3.02] 2.1
	15 [-9.4]	Total BTUH [kW] Power	15.3 [4.48] 1.7	15.2 [4.45] 1.7	15.1 [4.43] 1.7	13.8 [4.04] 1.9	13.7 [4.02] 1.9	13.6 [3.99] 1.9	12.3 [3.60] 2.1	12.3 [3.60] 2.1	12.2 [3.58] 2.2
	20 [-6.7]	Total BTUH [kW] Power	17.2 [5.04] 1.7	17.1 [5.01] 1.7	17.0 [4.98] 1.7	15.7 [4.60] 1.9	15.6 [4.57] 1.9	15.5 [4.54] 2.0	14.3 [4.19] 2.1	14.2 [4.16] 2.2	14.1 [4.13] 2.2
	25 [-3.9]	Total BTUH [kW] Power	19.2 [5.63] 1.7	19.0 [5.57] 1.8	18.9 [5.54] 1.8	17.6 [5.16] 1.9	17.5 [5.13] 2.0	17.4 [5.10] 2.0	16.2 [4.75] 2.2	16.1 [4.72] 2.2	16.0 [4.69] 2.2
	30 [-1.1]	Total BTUH [kW] Power	21.1 [6.18] 1.8	20.9 [6.13] 1.8	20.8 [6.10] 1.8	19.5 [5.71] 2.0	19.4 [5.69] 2.0	19.3 [5.66] 2.0	18.1 [5.30] 2.2	18.0 [5.28] 2.2	17.9 [5.25] 2.3
	35 [1.7]	Total BTUH [kW] Power	23.0 [6.74] 1.8	22.8 [6.68] 1.8	22.7 [6.65] 1.8	21.5 [6.30] 2.0	21.3 [6.24] 2.0	21.2 [6.21] 2.1	20.0 [5.86] 2.2	19.9 [5.83] 2.3	19.7 [5.77] 2.3
	40 [4.4]	Total BTUH [kW] Power	24.9 [7.30] 1.8	24.8 [7.27] 1.8	24.6 [7.21] 1.9	23.4 [6.86] 2.0	23.2 [6.80] 2.1	23.0 [6.74] 2.1	22.0 [6.45] 2.3	21.8 [6.39] 2.3	21.6 [6.33] 2.3
	45 [7.2]	Total BTUH [kW] Power	26.9 [7.88] 1.9	26.7 [7.83] 1.9	26.5 [7.77] 1.9	25.3 [7.41] 2.1	25.1 [7.36] 2.1	24.9 [7.30] 2.1	23.9 [7.00] 2.3	23.7 [6.95] 2.3	23.5 [6.89] 2.4
50 [10]	Total BTUH [kW] Power	28.8 [8.44] 1.9	28.6 [8.38] 1.9	28.4 [8.32] 1.9	27.2 [7.97] 2.1	27.0 [7.91] 2.1	26.8 [7.85] 2.2	25.8 [7.56] 2.3	25.6 [7.50] 2.4	25.4 [7.44] 2.4	

IDB—Indoor air dry bulb

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RQPL- SERIES

COOLING PERFORMANCE DATA—RQPL-036

			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			.21	.19	.17	.21	.19	.17	.21	.19	.17
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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

HEATING PERFORMANCE DATA—RQPL-036

			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
IDB			1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]
CFM [L/s]											
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	.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]	31.2 [9.14]	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]	34.1 [9.99]	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—RQPL-042

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
wbE		1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	
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] Sens BTUH [kW] Power	53.9 [5.80] 32.2 [9.44] 2.9	52.9 [15.50] 30.7 [9.00] 2.9	51.9 [15.21] 29.3 [8.59] 2.9	50.9 [14.92] 37.1 [10.87] 2.9	50.0 [14.65] 35.5 [10.40] 2.9	49.1 [14.39] 33.8 [9.91] 2.9	48.1 [14.10] 39.3 [11.52] 2.9	47.3 [13.86] 37.5 [10.99] 2.9	46.4 [13.60] 35.8 [10.49] 2.9
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	52.0 [15.24] 31.3 [9.17] 3.1	51.0 [14.95] 29.9 [8.76] 3.1	50.1 [14.68] 28.5 [8.35] 3.1	49.0 [14.36] 36.3 [10.64] 3.1	48.1 [14.10] 34.7 [10.17] 3.1	47.2 [13.83] 33.0 [9.67] 3.0	46.2 [13.54] 38.4 [11.25] 3.1	45.4 [13.31] 36.7 [10.76] 3.1	44.6 [13.07] 35.0 [10.26] 3.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	50.3 [14.74] 30.5 [8.94] 3.3	49.4 [14.48] 29.2 [8.56] 3.2	48.5 [14.21] 27.8 [8.15] 3.2	47.3 [13.86] 35.5 [10.40] 3.3	46.5 [13.63] 33.9 [9.94] 3.2	45.6 [13.36] 32.3 [9.47] 3.2	44.6 [13.07] 37.6 [11.02] 3.2	43.8 [12.84] 35.9 [10.52] 3.2	43.0 [12.60] 34.3 [10.05] 3.2
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	48.7 [14.27] 29.8 [8.73] 3.4	47.9 [14.04] 28.4 [8.32] 3.4	47.0 [13.77] 27.1 [7.94] 3.4	45.8 [13.42] 34.7 [10.17] 3.4	44.9 [13.16] 33.2 [9.73] 3.4	44.1 [12.92] 31.6 [9.26] 3.4	43.0 [12.60] 36.8 [10.79] 3.4	42.2 [12.37] 35.2 [10.32] 3.4	41.5 [12.16] 33.6 [9.85] 3.4
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	47.2 [13.83] 29.0 [8.50] 3.6	46.4 [13.60] 27.7 [8.12] 3.6	45.5 [13.33] 26.4 [7.74] 3.5	44.2 [12.95] 34.0 [9.96] 3.6	43.4 [12.72] 32.4 [9.50] 3.6	42.7 [12.51] 30.9 [9.06] 3.5	41.5 [12.16] 36.1 [10.58] 3.6	40.7 [11.93] 34.5 [10.11] 3.6	40.0 [11.72] 32.9 [9.64] 3.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	45.6 [13.36] 28.2 [8.26] 3.8	44.8 [13.13] 26.9 [7.88] 3.7	44.0 [12.90] 25.7 [7.53] 3.7	42.6 [12.48] 33.2 [9.73] 3.8	41.9 [12.28] 31.7 [9.29] 3.7	41.1 [12.05] 30.2 [8.85] 3.7	39.9 [11.69] 35.3 [10.35] 3.7	39.2 [11.49] 33.7 [9.88] 3.7	38.5 [11.28] 32.1 [9.41] 3.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	43.8 [12.84] 27.4 [8.03] 3.9	43.0 [12.60] 26.1 [7.65] 3.9	42.3 [12.40] 24.9 [7.30] 3.9	40.8 [11.96] 32.3 [9.47] 3.9	40.1 [11.75] 30.9 [9.06] 3.9	39.4 [11.55] 29.4 [8.62] 3.9	38.1 [11.17] 34.4 [10.08] 3.9	37.4 [10.96] 32.9 [9.64] 3.9	36.7 [10.76] 31.4 [9.20] 3.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	41.7 [12.22] 26.4 [7.74] 4.1	41.0 [12.02] 25.2 [7.39] 4.1	40.2 [11.78] 24.1 [7.06] 4.0	38.8 [11.37] 31.4 [9.20] 4.1	38.1 [11.17] 30.0 [8.79] 4.1	37.4 [10.96] 28.6 [8.38] 4.0	36.0 [10.55] 33.5 [9.82] 4.1	35.4 [10.37] 32.0 [9.38] 4.1	34.7 [10.17] 30.5 [8.94] 4.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	39.3 [11.52] 25.4 [7.44] 4.3	38.6 [11.31] 24.2 [7.09] 4.2	37.9 [11.11] 23.1 [6.77] 4.2	36.3 [10.64] 30.3 [8.88] 4.3	35.6 [10.43] 29.0 [8.50] 4.2	35.0 [10.26] 27.6 [8.09] 4.2	33.5 [9.82] 32.4 [9.50] 4.3	32.9 [9.64] 31.0 [9.09] 4.2	32.3 [9.47] 29.5 [8.65] 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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

HEATING PERFORMANCE DATA—RQPL-042

		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
IDB		1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	
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] Power	13.9 [4.07] 2.6	13.8 [4.04] 2.6	13.7 [4.02] 2.6	12.9 [3.78] 3.0	12.8 [3.75] 3.0	12.8 [3.75] 3.1	11.2 [3.28] 3.3	11.1 [3.25] 3.4	11.1 [3.25] 3.4
	5 [-15]	Total BTUH [kW] Power	16.9 [4.95] 2.6	16.8 [4.92] 2.6	16.7 [4.89] 2.7	16.0 [4.69] 3.0	15.8 [4.63] 3.1	15.7 [4.60] 3.1	14.2 [4.16] 3.4	14.1 [4.13] 3.4	14.0 [4.10] 3.5
	10 [-12.2]	Total BTUH [kW] Power	20.0 [5.86] 2.6	19.8 [5.80] 2.7	19.7 [5.77] 2.7	19.0 [5.57] 3.1	18.8 [5.51] 3.1	18.7 [5.48] 3.1	17.3 [5.07] 3.4	17.1 [5.01] 3.5	17.0 [4.98] 3.5
	15 [-9.4]	Total BTUH [kW] Power	23.0 [6.74] 2.7	22.8 [6.68] 2.7	22.6 [6.62] 2.7	22.0 [6.45] 3.1	21.8 [6.39] 3.1	21.7 [6.36] 3.2	20.3 [5.95] 3.5	20.1 [5.89] 3.5	20.0 [5.86] 3.5
	20 [-6.7]	Total BTUH [kW] Power	26.0 [7.62] 2.7	25.8 [7.56] 2.7	25.6 [7.50] 2.8	25.0 [7.33] 3.1	24.8 [7.27] 3.2	24.7 [7.24] 3.2	23.3 [6.83] 3.5	23.1 [6.77] 3.5	23.0 [6.74] 3.6
	25 [-3.9]	Total BTUH [kW] Power	29.0 [8.50] 2.8	28.8 [8.44] 2.8	28.6 [8.38] 2.8	28.0 [8.21] 3.2	27.8 [8.15] 3.2	27.6 [8.09] 3.3	26.3 [7.71] 3.5	26.1 [7.65] 3.6	25.9 [7.59] 3.6
	30 [-1.1]	Total BTUH [kW] Power	32.0 [9.38] 2.8	31.8 [9.32] 2.8	31.6 [9.26] 2.9	31.1 [9.11] 3.2	30.8 [9.03] 3.2	30.6 [8.97] 3.3	29.3 [8.59] 3.6	29.1 [8.53] 3.6	28.9 [8.47] 3.7
	35 [1.7]	Total BTUH [kW] Power	35.1 [10.29] 2.8	34.8 [10.20] 2.9	34.6 [10.14] 2.9	34.1 [9.99] 3.2	33.8 [9.91] 3.3	33.6 [9.85] 3.3	32.4 [9.50] 3.6	32.1 [9.41] 3.6	31.9 [9.35] 3.7
	40 [4.4]	Total BTUH [kW] Power	38.1 [11.17] 2.9	37.8 [11.08] 2.9	37.5 [10.99] 2.9	37.1 [10.87] 3.3	36.8 [10.79] 3.3	36.6 [10.73] 3.4	35.4 [10.37] 3.6	35.1 [10.29] 3.7	34.9 [10.23] 3.7
	45 [7.2]	Total BTUH [kW] Power	41.1 [12.05] 2.9	40.8 [11.96] 2.9	40.5 [11.87] 3.0	40.1 [11.75] 3.3	39.8 [11.66] 3.4	39.5 [11.58] 3.4	38.4 [11.25] 3.7	38.1 [11.17] 3.7	37.9 [11.11] 3.8
50 [10]	Total BTUH [kW] Power	44.1 [12.92] 2.9	43.8 [12.84] 3.0	43.5 [12.75] 3.0	43.1 [12.63] 3.4	42.8 [12.54] 3.4	42.5 [12.46] 3.4	41.4 [12.13] 3.7	41.1 [12.05] 3.8	40.8 [11.96] 3.8	

IDB—Indoor air dry bulb

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RQPL- SERIES

COOLING PERFORMANCE DATA—RQPL-048

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
		1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	
		CFM [L/s]									
		DR ①	.15	.13	.11	.15	.13	.11	.15	.13	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	60.4 [17.70] 37.4 [10.96] 3.2	59.3 [17.38] 35.7 [10.46] 3.1	58.3 [17.09] 34.1 [9.99] 3.1	57.1 [16.73] 42.7 [12.51] 3.1	56.1 [16.44] 40.8 [11.96] 3.1	55.0 [16.12] 38.9 [11.40] 3.1	54.5 [15.97] 45.0 [13.19] 3.1	53.5 [15.68] 43.0 [12.60] 3.1	52.5 [15.39] 41.0 [12.02] 3.1
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	58.8 [17.23] 36.6 [10.73] 3.4	57.8 [16.94] 35.0 [10.26] 3.3	56.7 [16.62] 33.3 [9.76] 3.3	55.5 [16.27] 41.9 [12.28] 3.3	54.5 [15.97] 40.0 [11.72] 3.3	53.5 [15.68] 38.2 [11.20] 3.3	52.9 [15.50] 44.2 [12.95] 3.3	51.9 [15.21] 42.2 [12.37] 3.3	51.0 [14.95] 40.3 [11.81] 3.2
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	57.0 [16.71] 35.7 [10.46] 3.5	56.0 [16.41] 34.1 [9.99] 3.5	55.0 [16.12] 32.5 [9.52] 3.5	53.7 [15.74] 41.0 [12.02] 3.5	52.7 [15.44] 39.2 [11.49] 3.5	51.8 [15.18] 37.3 [10.93] 3.5	51.1 [14.98] 43.3 [12.69] 3.5	50.2 [14.71] 41.4 [12.13] 3.5	49.3 [14.45] 39.4 [11.55] 3.4
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	55.1 [16.15] 34.8 [10.20] 3.7	54.1 [15.86] 33.2 [9.73] 3.7	53.1 [15.56] 31.7 [9.29] 3.7	51.7 [15.15] 40.1 [11.75] 3.7	50.8 [14.89] 38.3 [11.22] 3.7	49.9 [14.62] 36.5 [10.70] 3.6	49.1 [14.39] 42.4 [12.43] 3.7	48.3 [14.16] 40.5 [11.87] 3.6	47.4 [13.89] 38.6 [11.31] 3.6
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	53.1 [15.56] 33.8 [9.91] 3.9	52.1 [15.27] 32.3 [9.47] 3.9	51.2 [15.01] 30.8 [9.03] 3.9	49.8 [14.59] 39.1 [11.46] 3.9	48.9 [14.33] 37.4 [10.96] 3.9	48.0 [14.07] 35.6 [10.43] 3.8	47.2 [13.83] 41.4 [12.13] 3.9	46.3 [13.57] 39.6 [11.61] 3.8	45.5 [13.33] 37.7 [11.05] 3.8
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	51.1 [14.98] 32.9 [9.64] 4.1	50.2 [14.71] 31.4 [9.20] 4.1	49.3 [14.45] 29.9 [8.76] 4.0	47.8 [14.01] 38.2 [11.20] 4.1	46.9 [13.75] 36.5 [10.70] 4.0	46.1 [13.51] 34.8 [10.20] 4.0	45.2 [13.25] 40.5 [11.87] 4.1	44.4 [13.01] 38.7 [11.34] 4.0	43.6 [12.78] 36.9 [10.81] 4.0
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	49.3 [14.45] 32.0 [9.38] 4.3	48.4 [14.18] 30.6 [8.97] 4.3	47.5 [13.92] 29.2 [8.56] 4.2	46.0 [13.48] 37.3 [10.93] 4.3	45.1 [13.22] 35.7 [10.46] 4.2	44.3 [12.98] 34.0 [9.96] 4.2	43.4 [12.72] 39.6 [11.61] 4.2	42.6 [12.48] 37.9 [11.11] 4.2	41.8 [12.25] 36.1 [10.58] 4.2
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	47.6 [13.95] 31.3 [9.17] 4.5	46.8 [13.72] 29.9 [8.76] 4.4	45.9 [13.45] 28.5 [8.35] 4.4	44.3 [12.98] 36.6 [10.73] 4.5	43.5 [12.75] 34.9 [10.23] 4.4	42.7 [12.51] 33.3 [9.76] 4.4	41.7 [12.22] 38.9 [11.40] 4.4	41.0 [12.02] 37.1 [10.87] 4.4	40.2 [11.78] 35.4 [10.37] 4.4
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	46.3 [13.57] 30.7 [9.00] 4.7	45.5 [13.33] 29.3 [8.59] 4.6	44.6 [13.07] 27.9 [8.18] 4.6	43.0 [12.60] 36.0 [10.55] 4.6	42.2 [12.37] 34.4 [10.08] 4.6	41.4 [12.13] 32.8 [9.61] 4.6	40.4 [11.84] 38.3 [11.22] 4.6	39.6 [11.61] 36.6 [10.73] 4.6	38.9 [11.40] 34.8 [10.20] 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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

HEATING PERFORMANCE DATA—RQPL-048

		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
		1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	
		CFM [L/s]									
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	16.9 [4.95] 2.6	16.8 [4.92] 2.6	16.7 [4.89] 2.6	15.4 [4.51] 3.0	15.3 [4.48] 3.0	15.2 [4.45] 3.0	14.4 [4.22] 3.4	14.3 [4.19] 3.5	14.2 [4.16] 3.5
	5 [-15]	Total BTUH [kW] Power	20.1 [5.89] 2.6	19.9 [5.83] 2.6	19.8 [5.80] 2.7	18.6 [5.45] 3.0	18.5 [5.42] 3.0	18.3 [5.36] 3.1	17.6 [5.16] 3.5	17.5 [5.13] 3.5	17.3 [5.07] 3.5
	10 [-12.2]	Total BTUH [kW] Power	23.2 [6.80] 2.7	23.1 [6.77] 2.7	22.9 [6.71] 2.7	21.8 [6.39] 3.1	21.6 [6.33] 3.1	21.5 [6.30] 3.1	20.7 [6.07] 3.5	20.6 [6.04] 3.6	20.4 [5.98] 3.6
	15 [-9.4]	Total BTUH [kW] Power	26.4 [7.74] 2.7	26.2 [7.68] 2.8	26.0 [7.62] 2.8	24.9 [7.30] 3.1	24.7 [7.24] 3.2	24.6 [7.21] 3.2	23.9 [7.00] 3.6	23.7 [6.95] 3.6	23.6 [6.92] 3.7
	20 [-6.7]	Total BTUH [kW] Power	29.5 [8.65] 2.8	29.3 [8.59] 2.8	29.1 [8.53] 2.8	28.1 [8.24] 3.2	27.9 [8.18] 3.2	27.7 [8.12] 3.2	27.1 [7.94] 3.6	26.9 [7.88] 3.7	26.7 [7.83] 3.7
	25 [-3.9]	Total BTUH [kW] Power	32.7 [9.58] 2.8	32.5 [9.52] 2.9	32.2 [9.44] 2.9	31.2 [9.14] 3.2	31.0 [9.09] 3.3	30.8 [9.03] 3.3	30.2 [8.85] 3.7	30.0 [8.79] 3.7	29.8 [8.73] 3.8
	30 [-1.1]	Total BTUH [kW] Power	35.9 [10.52] 2.9	35.6 [10.43] 2.9	35.4 [10.37] 2.9	34.4 [10.08] 3.3	34.1 [9.99] 3.3	33.9 [9.94] 3.4	33.4 [9.79] 3.7	33.1 [9.70] 3.8	32.9 [9.64] 3.8
	35 [1.7]	Total BTUH [kW] Power	39.0 [11.43] 2.9	38.7 [11.34] 3.0	38.5 [11.28] 3.0	37.5 [10.99] 3.3	37.3 [10.93] 3.4	37.0 [10.84] 3.4	36.5 [10.70] 3.8	36.3 [10.64] 3.8	36.0 [10.55] 3.9
	40 [4.4]	Total BTUH [kW] Power	42.2 [12.37] 3.0	41.9 [12.28] 3.0	41.6 [12.19] 3.1	40.7 [11.93] 3.4	40.4 [11.84] 3.4	40.1 [11.75] 3.5	39.7 [11.63] 3.8	39.4 [11.55] 3.9	39.1 [11.46] 3.9
	45 [7.2]	Total BTUH [kW] Power	45.3 [13.28] 3.0	45.0 [13.19] 3.1	44.7 [13.10] 3.1	43.9 [12.87] 3.4	43.6 [12.78] 3.5	43.2 [12.66] 3.5	42.8 [12.54] 3.9	42.5 [12.46] 3.9	42.2 [12.37] 4.0
50 [10]	Total BTUH [kW] Power	48.5 [14.21] 3.1	48.1 [14.10] 3.1	47.8 [14.01] 3.2	47.0 [13.77] 3.5	46.7 [13.69] 3.5	46.4 [13.60] 3.6	46.0 [13.48] 3.9	45.7 [13.39] 4.0	45.3 [13.28] 4.0	

IDB—Indoor air dry bulb

[] Designates Metric Conversions



INDOOR AIRFLOW PERFORMANCE—208 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] Side Discharge—Wet Coil							
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	
2.0 [7.03]	High	700 CFM/900 CFM [271/319 L/s]	9x7 Blower 1/4 HP [186] 2 Speed (PSC Motor)	Low	CFM	675 [319]	657 [310]	634 [299]	602 [284]	560 [264]	505 [238]	435 [205]
					RPM	695	785	870	905	940	980	1020
					Watts	221	214	203	191	171	163	149
2.5 [8.79]	Low	875 CFM/1125 CFM [413/531 L/s]	10x9 Blower 1/2 HP [372] 2 Speed (PSC Motor)	High	CFM	898 [424]	861 [406]	822 [388]	777 [367]	721 [340]	651 [307]	562 [265]
					RPM	940	965	995	1020	1045	1070	1090
					Watts	292	278	266	253	239	221	199
3.0 [10.55]	Low	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 1/3 HP [248] 1 Speed (PSC Motor)	Low	CFM	1076 [508]	1059 [500]	1032 [487]	996 [470]	950 [448]	896 [423]	832 [393]
					RPM	730	775	820	865	905	940	975
					Watts	356	349	341	331	320	305	287
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Medium	CFM	1222 [577]	1197 [565]	1179 [556]	1162 [548]	1137 [537]	1097 [518]	1033 [488]
					RPM	765	810	855	890	920	960	995
					Watts	423	415	407	397	386	370	351
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High	CFM	1514 [715]	1461 [690]	1415 [668]	1370 [647]	1322 [624]	1266 [597]	1197 [565]
					RPM	895	930	965	985	1005	1025	1045
					Watts	538	514	493	473	454	434	412
3.0 [10.55]	Low	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 1/3 HP [248] 1 Speed (PSC Motor)	High	CFM	1222 [577]	1201 [567]	1173 [554]	1137 [537]	1090 [514]	1030 [486]	954 [450]
					RPM	785	805	830	870	905	950	990
					Watts	355	352	346	340	331	320	306
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	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
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	CFM	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
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	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
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	CFM	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

NOTE: Effect of electric heat strip on airflow performance is negligible.

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

[] Designates Metric Conversions



INDOOR AIRFLOW PERFORMANCE—230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa]															
					Side Discharge—Wet Coil		Side Discharge—Wet Coil													
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]									
2.0 [7.03]	Low	700 CFM/900 CFM [271/319 L/s]	9x7 Blower 1/4 HP [186] 2 Speed (PSC Motor)	CFM	771 [364]	751 [354]	725 [342]	691 [326]	645 [304]	584 [276]	546 [258]									
				RPM	825	870	910	950	985	1010	1030									
				Watts	253	242	230	217	204	189	181									
	High	CFM	946 [446]	922 [435]	882 [416]	830 [392]	769 [363]	701 [331]	630 [297]	569 [266]	511 [238]	474 [222]								
													RPM	990	1015	1035	1055	1070	1085	1100
													Watts	315	303	288	273	257	241	226
2.5 [8.79]	Low	875 CFM/1125 CFM [413/531 L/s]	10x9 Blower 1/2 HP [373] 3 Speed (PSC Motor)	CFM	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									
	Medium	CFM	1411 [666]	1368 [646]	1327 [626]	1285 [606]	1238 [584]	1183 [558]	1116 [527]	1056 [486]	1000 [456]	944 [434]								
													RPM	865	900	935	970	1000	1020	1035
													Watts	498	498	481	464	447	431	391
High	CFM	1641 [774]	1577 [744]	1515 [715]	1455 [687]	1393 [657]	1329 [627]	1262 [596]	1200 [550]	1145 [520]	1080 [490]									
												RPM	980	1000	1020	1035	1050	1065	1080	
												Watts	589	565	543	523	503	481	456	
3.0 [10.55]	High	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 1/3 HP [249] 1 Speed (PSC Motor)	CFM	1391 [656]	1357 [640]	1312 [619]	1258 [594]	1201 [567]	1145 [540]	1093 [516]									
				RPM	835	875	915	940	965	985	1000									
				Watts	428	419	406	392	378	365	355									
	Low (Tap 1)	CFM	1467 [692]	1439 [679]	1408 [665]	1360 [642]	1331 [628]	1287 [607]	1259 [594]	1210 [568]	1165 [542]	1120 [516]								
													RPM	831	854	894	932	972	1005	1042
													Watts	276	282	297	307	319	326	341
High (Tap 2)	CFM	1550 [732]	1520 [717]	1486 [701]	1449 [684]	1407 [664]	1382 [652]	1337 [631]	1290 [605]	1245 [579]	1200 [553]									
												RPM	867	890	930	974	1003	1039	1073	
												Watts	317	323	339	355	362	377	385	
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	CFM	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 (Tap 2)	CFM	1748 [825]	1718 [811]	1686 [796]	1647 [777]	1616 [763]	1543 [728]	1472 [695]	1425 [670]	1377 [646]	1330 [621]								
													RPM	955	978	1010	1043	1073	1096	1111
													Watts	440	446	462	475	484	473	459

NOTE: Effect of electric heat strip on airflow performance is negligible.

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

[] Designates Metric Conversions



INDOOR AIRFLOW PERFORMANCE—208 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	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]	0.8 [0.20]	
2.0 [7.03]	High (Tap 1)	700 CFM/900 CFM [271/319 L/s]	9x7 Blower 1/3 HP [249] 3 Speed (X13 Motor)	Low (Tap 1)	CFM	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
2.5 [8.79]	Low (Tap 1)	875 CFM/1125 CFM [413/531 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Medium (Tap 2)	CFM	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
3.0 [10.55]	Low (Tap 1)	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	High (Tap 3)	CFM	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
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Medium (Tap 2)	CFM	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
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	CFM	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
3.0 [10.55]	Low (Tap 1)	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Low (Tap 1)	CFM	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
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Medium (Tap 2)	CFM	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
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 3)	CFM	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
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	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	
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	CFM	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	
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	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	
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	CFM	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	

NOTE: Effect of electric heat strip on airflow performance is negligible.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)			
CFM [L/s]	600 [283]	1000 [472]	1600 [775]
Pressure Drop—Inches W.C. [kPa]	.00	.02 [0.005]	.07 [0.017]
	800 [378]	1200 [566]	1400 [661]
	.01 [0.002]	.03 [0.007]	.05 [0.012]

[J Designates Metric Conversions



INDOOR AIRFLOW PERFORMANCE—230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] Side Discharge—Wet Coil									
					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]	0.8 [0.20]		
2.0 [7.03]	Low (Tap 1)	700 CFM/900 CFM [271/319 L/s]	9x7 Blower 1/3 HP [249] 3 Speed (X13 Motor)	Low (Tap 1)	CFM 862 [407]	834 [394]	819 [387]	781 [369]	761 [359]	729 [344]	695 [328]	606 [286]		
				Watts 889	953	974	1018	1065	1101	1133	1156			
				High (Tap 2)	CFM 918 [433]	888 [419]	874 [412]	838 [395]	819 [387]	781 [369]	711 [336]	616 [291]		
2.5 [8.79]	Low (Tap 1)	875 CFM/1125 CFM [413/531 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Medium (Tap 2)	CFM 762	799	832	859	914	940	1021	1059		
				Watts 176	182	191	196	209	212	227	235			
				High (Tap 3)	CFM 1271 [600]	1223 [577]	1169 [552]	1137 [537]	1104 [521]	1071 [505]	1015 [479]	934 [441]		
3.0 [10.55]	Low (Tap 1)	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Low (Tap 1)	CFM 797	836	878	905	939	974	1026	1089		
				Watts 212	217	227	231	241	247	257	270			
				Medium (Tap 2)	CFM 1258 [594]	1215 [573]	1200 [566]	1160 [547]	1130 [533]	1082 [511]	1026 [484]	954 [450]		
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM 802	829	861	894	933	971	1020	1077		
				Watts 210	217	225	230	239	245	259	268			
				Medium (Tap 2)	CFM 1336 [631]	1298 [613]	1259 [594]	1229 [580]	1198 [565]	1160 [547]	1116 [527]	1071 [505]		
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM 821	867	903	920	957	993	1038	1071		
				Watts 239	249	259	262	275	279	290	299			
				High (Tap 2)	CFM 1416 [668]	1379 [651]	1342 [633]	1292 [610]	1275 [602]	1240 [585]	1200 [566]	1168 [551]		
4.0 [14.07]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM 874	898	933	952	993	1011	1060	1091		
				Watts 285	290	299	304	314	322	328	337			
				High (Tap 2)	CFM 1467 [692]	1439 [679]	1408 [665]	1360 [642]	1331 [628]	1287 [607]	1259 [594]	1200 [566]		
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM 831	854	894	932	972	1005	1042	1089		
				Watts 276	282	297	307	319	326	341	341			
				High (Tap 2)	CFM 1550 [732]	1520 [717]	1486 [701]	1449 [684]	1407 [664]	1382 [652]	1337 [631]	1287 [607]		
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM 867	890	930	974	1003	1039	1073	1111		
				Watts 317	323	339	355	362	377	385	459			
				High (Tap 2)	CFM 1692 [799]	1661 [784]	1633 [771]	1589 [750]	1560 [736]	1512 [714]	1442 [681]	1382 [652]		
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM 931	950	982	1018	1054	1082	1103	1133		
				Watts 404	409	424	434	450	453	443	443			
				High (Tap 2)	CFM 1748 [825]	1718 [811]	1686 [796]	1647 [777]	1616 [778]	1543 [779]	1472 [780]	1416 [668]		
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM 955	978	1010	1043	1073	1096	1111	1156		
				Watts 440	446	462	475	484	473	459	459			
				High (Tap 2)	CFM 1748 [825]	1718 [811]	1686 [796]	1647 [777]	1616 [778]	1543 [779]	1472 [780]	1416 [668]		

NOTE: Effect of electric heat strip on airflow performance is negligible.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)			
CFM [L/s]	600 [283]	1000 [472]	1600 [775]
Pressure Drop—Inches W.C. [kPa]	.00	.02 [0.005]	.07 [0.017]
	800 [378]	1200 [566]	1400 [661]
	.01 [0.002]	.03 [0.007]	.05 [0.012]

[J] Designates Metric Conversions



ELECTRICAL DATA – RQNL- SERIES

		-B024JK	-B030JK	-B036CK	-B036JK	-B042CK	-B042JK	-B048CK	-B048JK
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	19/19	22/22	17/17	24/24	25/25	33/33	26/26	37/37
	Minimum Overcurrent Protection Device Size	25/25	25/25	20/20	25/25	30/30	35/35	30/30	40/40
	Maximum Overcurrent Protection Device Size	30/30	35/35	25/25	40/40	35/35	50/50	35/35	50/50
Compressor Motor	No.	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	1	3	1	3	1
	HP	2	2 1/2	3	3	3 1/2	3 1/2	4	4
	RPM	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	12.8/12.8	14.1/14.1	10.4/10.4	16.7/16.7	13.1/13.1	19.9/19.9	13.7/13.7	23.8/23.8
	Amps (LRA)	58.3/58.3	73/73	88/88	79/79	83.1/83.1	109/109	83.1/83.1	117/117
Condenser Motor	No.	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1
	HP	1/5	1/5	1/5	1/5	1/3	1/3	1/3	1/3
	Amps (FLA)	1.3	1.3	1.3	1.3	2	2	2	2
	Amps (LRA)	2.2	2.2	2.2	2.2	3.9	3.9	3.9	3.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1
	HP	1/4	1/2	1/3	1/3	3/4	3/4	3/4	3/4
	Amps (FLA)	1.5	2.4	1.7	1.7	6	6	6	6
	Amps (LRA)	2.4	5.1	2.5	2.5	0	0	0	0

ELECTRICAL DATA – RQPL- SERIES

		-B024JK	B025JK	-B030JK	-B036CK	-B036JK	-B042CK	-B042JK	-B048CK	-B048JK
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	21/21	21/21	24/24	19/19	27/27	25/25	33/33	26/26	37/37
	Minimum Overcurrent Protection Device Size	25/25	25/25	25/25	20/20	30/30	30/30	35/35	30/30	40/40
	Maximum Overcurrent Protection Device Size	30/30	30/30	35/35	25/25	40/40	35/35	50/50	35/35	50/50
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	3	1	3	1	3	1
	HP	2	2	2 1/2	3	3	3 1/2	3 1/2	4	4
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	12.8/12.8	12.8/12.8	14.1/14.1	10.4/10.4	16.7/16.7	13.1/13.1	19.9/19.9	13.7/13.7	23.8/23.8
	Amps (LRA)	58.3/58.3	58.3/58.3	73/73	88/88	79/79	83.1/83.1	109/109	83.1/83.1	117/117
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/5	1/3	1/5	1/5	1/5	1/3	1/3	1/3	1/3
	Amps (FLA)	1.3	1.3/1.3	1.3	1.3	1.3	2	2	2	2
	Amps (LRA)	2.2	0/0	2.2	2.2	2.2	3.9	3.9	3.9	3.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/2	1/2	1/2	3/4	3/4	3/4	3/4
	Amps (FLA)	2.8	2.8/2.8	4.1	4.1	4.1	6	6	6	6
	Amps (LRA)	0	0/0	0	0	0	0	0	0	0

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



ELECTRIC HEATER KITS—RQNL-/RQPL- SERIES

Unit Model Application	Electric Heater Kit Models
RQNL/RQPL-024JK & RQPL-025JK	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
RQNL/RQPL-030JK	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
RQNL/RQPL-036JK	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
	RXQJ-A15J (208-240 volt, 1-ph, 15kW)
RQNL/RQPL-042JK	RXQJ-10J (208-240 volt, 1-ph, 10kW)
	RXQJ-15J (208-240 volt, 1-ph, 15kW)
RQNL/RQPL-048JK	RXQJ-10J (208-240 volt, 1-ph, 10kW)
	RXQJ-15J (208-240 volt, 1-ph, 15kW)
RQNL/RQPL-036CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
RQNL/RQPL-042CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
RQNL/RQPL-048CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)

WARNING

ONLY ELECTRIC HEATER KITS SUPPLIED BY THIS MANUFACTURER AS DESCRIBED IN THIS PUBLICATION HAVE BEEN DESIGNED, TESTED, AND EVALUATED BY A NATIONALLY RECOGNIZED SAFETY TESTING AGENCY FOR USE WITH THIS UNIT. USE OF ANY OTHER MANUFACTURED ELECTRIC HEATERS INSTALLED WITHIN THIS UNIT MAY CAUSE HAZARDOUS CONDITIONS RESULTING IN PROPERTY DAMAGE, FIRE, BODILY INJURY OR DEATH.



208-240 VOLT, SINGLE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Unit Model No. RQNL-	Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit					
	Heater Kit					Heat Pump					Heater Kit			Heat Pump		
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size Min./Max. @ 208 V	Min./Max. @ 240 V	Min. Circuit Ampacity 208-240 V	Max. Fuse Size 208/240V	Min. Ckt. Ampacity 208/240V	Over Current Protective Device Size Min./Max. @ 208 V	Min./Max. @ 240 V		
B024JK	No Heat A05J A10J	1 2	1 2	3.6/4.8 7.2/9.6	12.28/16.38 24.56/32.75	17.3/20.0 34.6/40.0	19/19 41/44 62/69	30/30 45/50 70/70	19/19	25/25 45/50	22/25 44/50	30/30	30/30			
B030JK	No Heat A05J A10J	1 2	1 2	3.6/4.8 7.2/9.6	12.28/16.38 24.56/32.75	17.3/20.0 34.6/40.0	22/22 43/47 65/72	35/35 50/50 70/80	22/22	25/25 45/50	22/22	35/35	35/35			
B036JK	No Heat A10J A15J	2 3	2 2	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	34.6/40.0 51.9/60.0	24/24 68/74 89/99	40/40 70/80 90/100	24/24	45/50 70/80	44/50 65/75	40/40	40/40			
B042JK	No Heat B10J B15J	2 3	2 2	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	34.6/40.0 51.9/60.0	33/33 77/83 98/108	50/50 80/90 100/110	33/33	45/50 70/80	44/50 65/75	50/50	50/50			
B048JK	No Heat B10J B15J	2 3	2 2	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	34.6/40.0 51.9/60.0	37/37 80/87 102/112	50/50 90/90 110/125	37/37	45/50 70/80	44/50 65/75	50/50	50/50			

208-240 VOLT, THREE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Unit Model No. RQNL-	Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit					
	Heater Kit					Heat Pump					Heater Kit			Heat Pump		
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size Min./Max. @ 208 V	Min./Max. @ 240 V	Min. Circuit Ampacity 208-240 V	Max. Fuse Size 208/240V	Min. Ckt. Ampacity 208/240V	Over Current Protective Device Size Min./Max. @ 208 V	Min./Max. @ 240 V		
B036CK	No Heat A10C A15C	3 3	3 3	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	20.0/23.1 30.1/34.7	17/17 42/45 54/60	25/25 45/45 60/60	17/17	25/30 40/45	25/29 38/44	25/25	25/25			
B042CK	No Heat A10C A15C	3 3	3 3	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	20.0/23.1 30.1/34.7	25/25 50/54 63/68	35/35 50/60 70/70	25/25	25/30 40/45	25/29 38/44	35/35	35/35			
B048CK	No Heat A10C A15C	3 3	3 3	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	20.0/23.1 30.1/34.7	26/26 51/55 63/69	35/35 60/60 70/70	26/26	25/30 40/45	25/29 38/44	35/35	35/35			



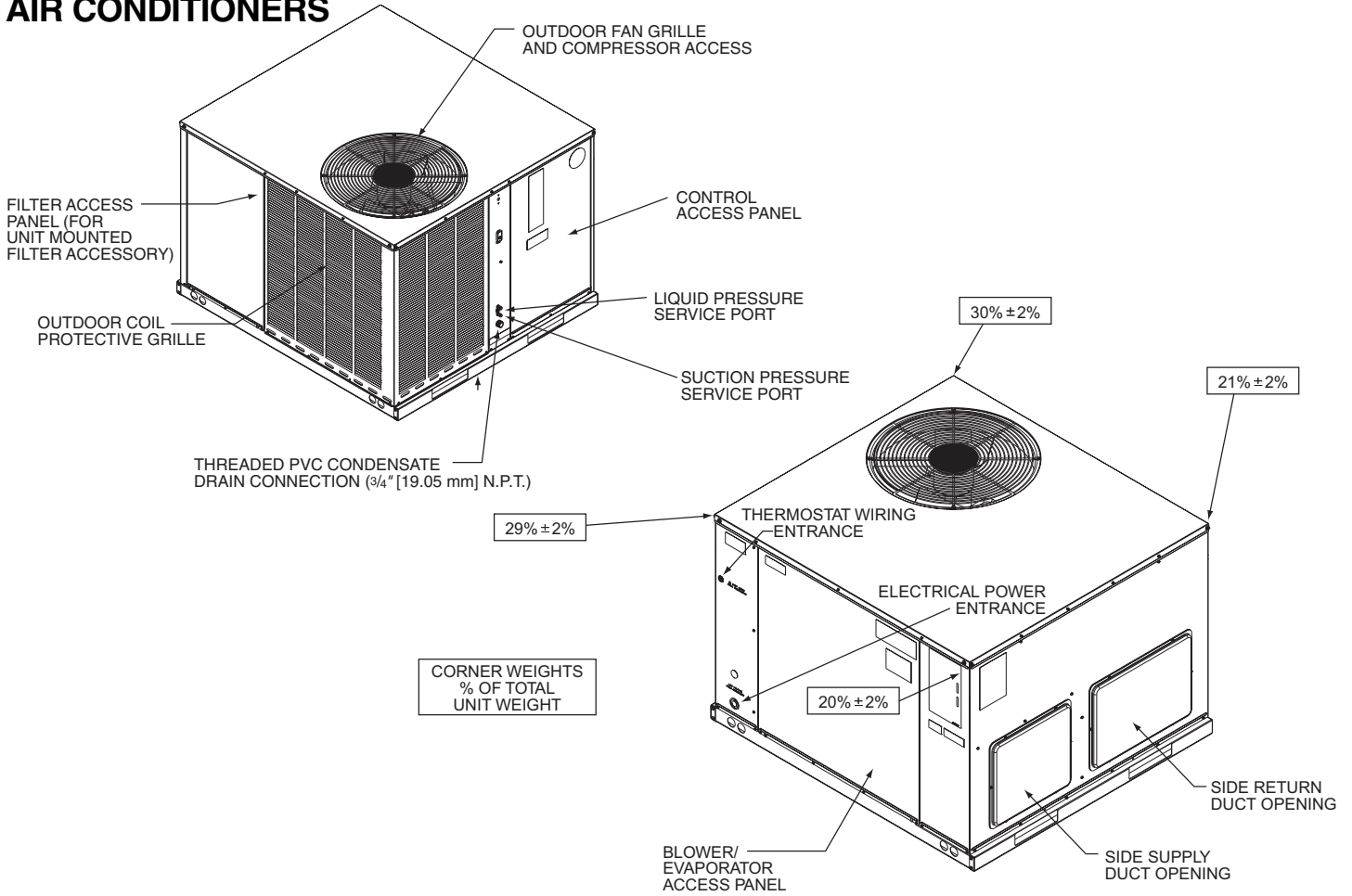
208-240 VOLT, SINGLE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit										
Unit Model No. RQPL-	Heater Kit					Heat Pump					Heater Kit					Heat Pump				
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size @ 240 V		Min. Ckt. Ampacity 208-240 V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208-240 V	Over Current Protective Device Size @ 240 V							
								Min./Max. @ 208 V	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V						
B024JK	No Heat	—	—	—	—	—	21/21	30/30	30/30	—	—	21/21	30/30	30/30						
B025JK	A05J	1	1	3.6/4.8	12.28/16.38	17.3/20.0	42/46	50/50	50/50	22/25	25/25	—	—	—						
	A10J	2	2	7.2/9.6	24.56/32.75	34.6/40.0	64/71	70/80	70/80	44/50	45/50	—	—	—						
B030JK	No Heat	—	—	—	—	—	24/24	35/35	35/35	—	—	24/24	35/35	35/35						
	A05J	1	1	3.6/4.8	12.28/16.38	17.3/20.0	45/49	50/50	50/50	22/25	25/25	—	—	—						
	A10J	2	2	7.2/9.6	24.56/32.75	34.6/40.0	67/74	70/80	70/80	44/50	45/50	—	—	—						
B036JK	No Heat	—	—	—	—	—	27/27	40/40	40/40	—	—	27/27	40/40	40/40						
	A10J	2	2	7.2/9.6	24.56/32.75	34.6/40.0	70/77	70/80	70/80	44/50	45/50	—	—	—						
	A15J	3	2	10.8/14.4	36.84/49.13	51.9/60.0	92/102	100/110	100/110	65/75	70/80	—	—	—						
B042JK	No Heat	—	—	—	—	—	33/33	50/50	50/50	—	—	33/33	50/50	50/50						
	B10J	2	2	7.2/9.6	24.56/32.75	34.6/40.0	77/83	80/90	80/90	44/50	45/50	—	—	—						
	B15J	3	2	10.8/14.4	36.84/49.13	51.9/60.0	98/108	100/110	100/110	65/75	70/80	—	—	—						
B048JK	No Heat	—	—	—	—	—	37/37	50/50	50/50	—	—	37/37	50/50	50/50						
	B10J	2	2	7.2/9.6	24.56/32.75	34.6/40.0	80/87	90/90	90/90	44/50	45/50	—	—	—						
	B15J	3	2	10.8/14.4	36.84/49.13	51.9/60.0	102/112	110/125	110/125	65/75	70/80	—	—	—						

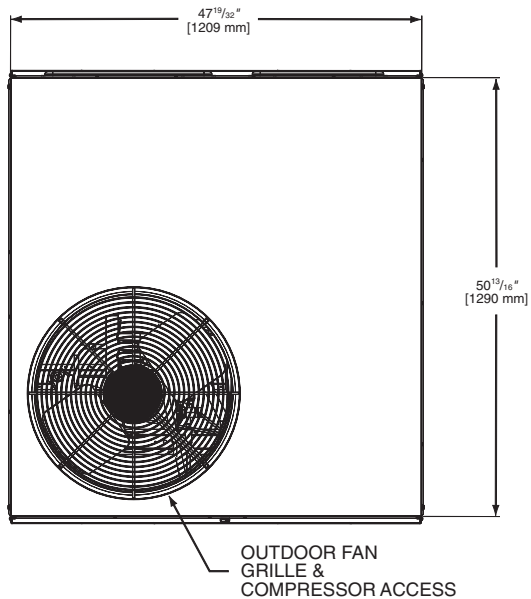
208-240 VOLT, THREE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit										
Unit Model No. RQPL-	Heater Kit					Heat Pump					Heater Kit					Heat Pump				
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size @ 240 V		Min. Ckt. Ampacity 208-240 V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208-240 V	Over Current Protective Device Size @ 240 V							
								Min./Max. @ 208 V	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V						
B036CK	No Heat	—	—	—	—	—	19/19	25/25	25/25	—	—	19/19	25/25	25/25						
	A10C	3	3	7.2/9.6	24.56/32.75	20.0/23.1	44/48	45/50	45/50	25/29	25/30	—	—	—						
	A15C	3	3	10.8/14.4	36.84/49.13	30.1/34.7	57/62	60/70	60/70	38/44	40/45	—	—	—						
B042CK	No Heat	—	—	—	—	—	25/25	35/35	35/35	—	—	25/25	35/35	35/35						
	A10C	3	3	7.2/9.6	24.56/32.75	20.0/23.1	50/54	50/60	50/60	25/29	25/30	—	—	—						
	A15C	3	3	10.8/14.4	36.84/49.13	30.1/34.7	63/68	70/70	70/70	38/44	40/45	—	—	—						
B048CK	No Heat	—	—	—	—	—	26/26	35/35	35/35	—	—	26/26	35/35	35/35						
	A10C	3	3	7.2/9.6	24.56/32.75	20.0/23.1	51/55	60/60	60/60	25/29	25/30	—	—	—						
	A15C	3	3	10.8/14.4	36.84/49.13	30.1/34.7	63/69	70/70	70/70	38/44	40/45	—	—	—						

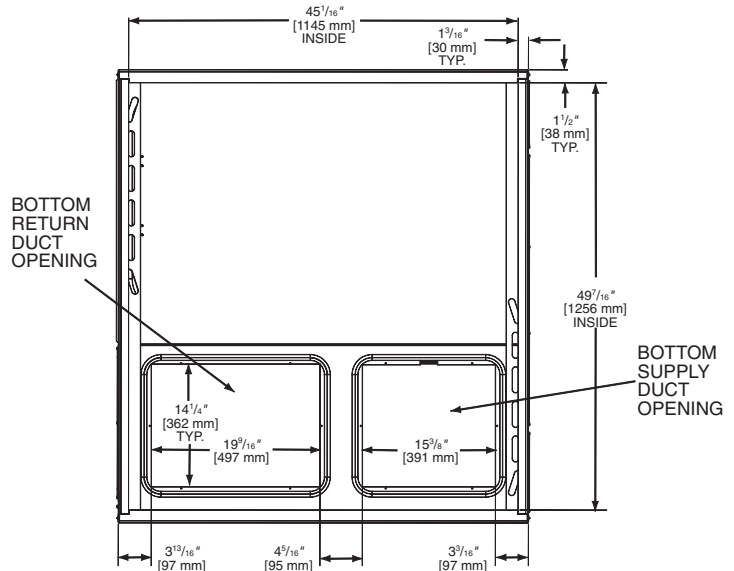
UNIT DIMENSIONS SELF-CONTAINED AIR CONDITIONERS



TOP VIEW



BOTTOM VIEW

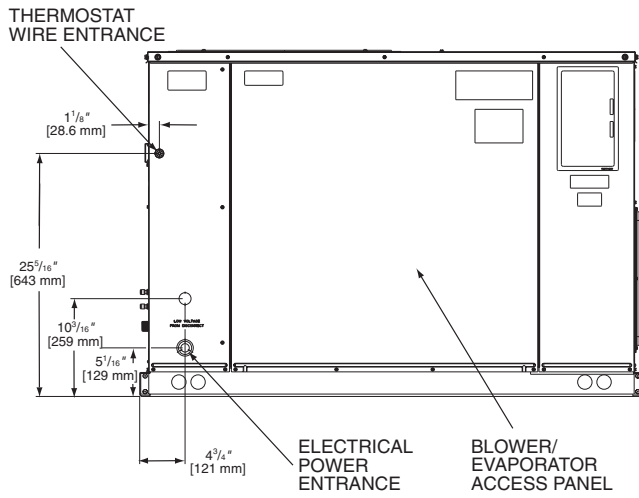


[] Designates Metric Conversions

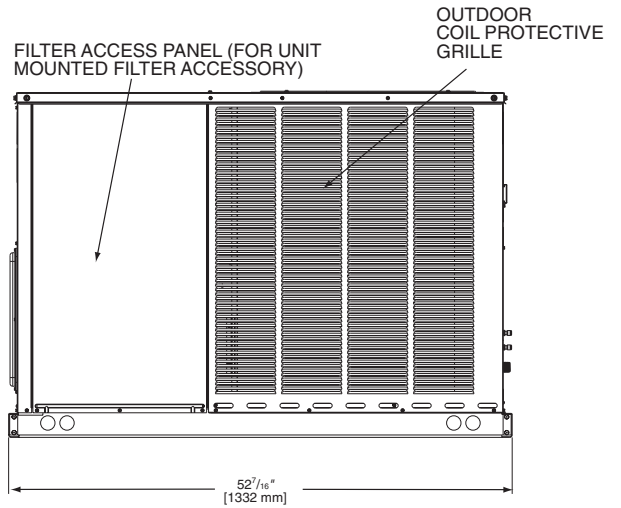


UNIT DIMENSIONS—RQNL-/RQPL- SERIES

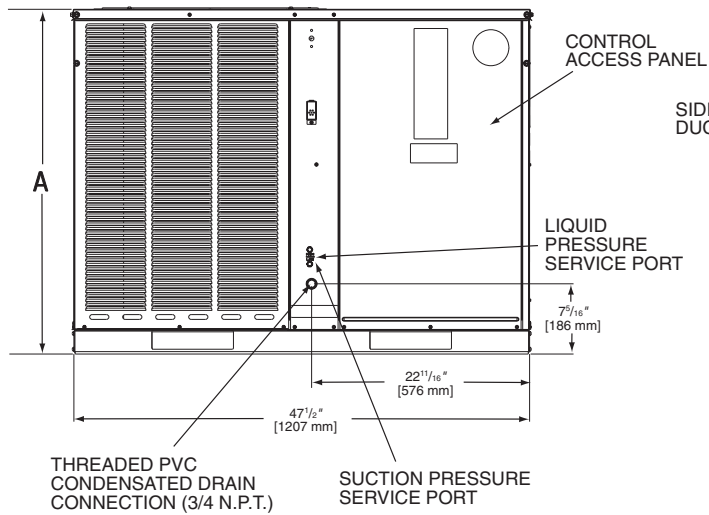
SIDE VIEW



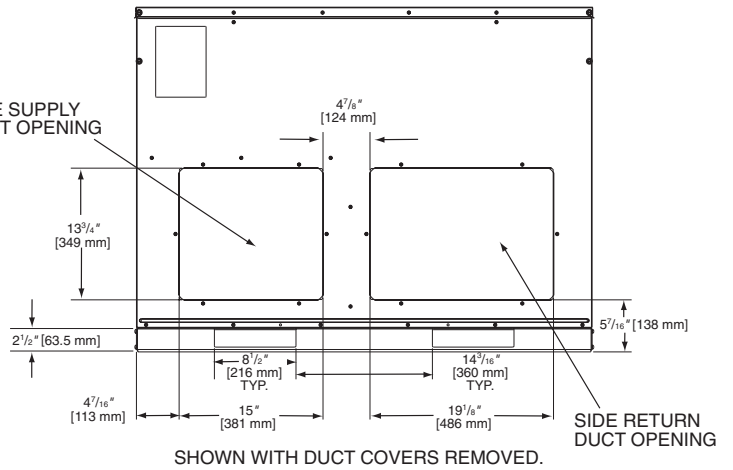
SIDE VIEW



FRONT VIEW



BACK VIEW

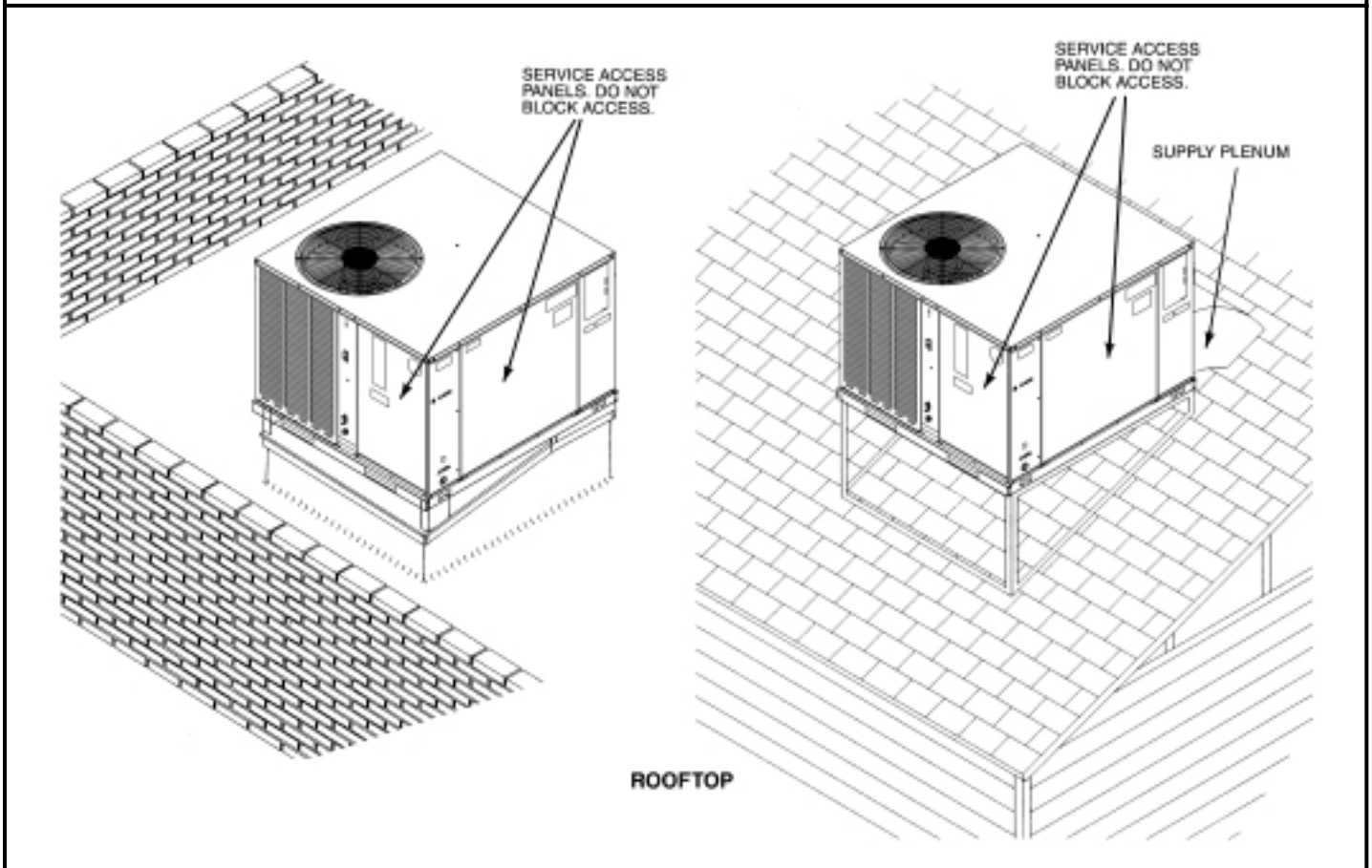
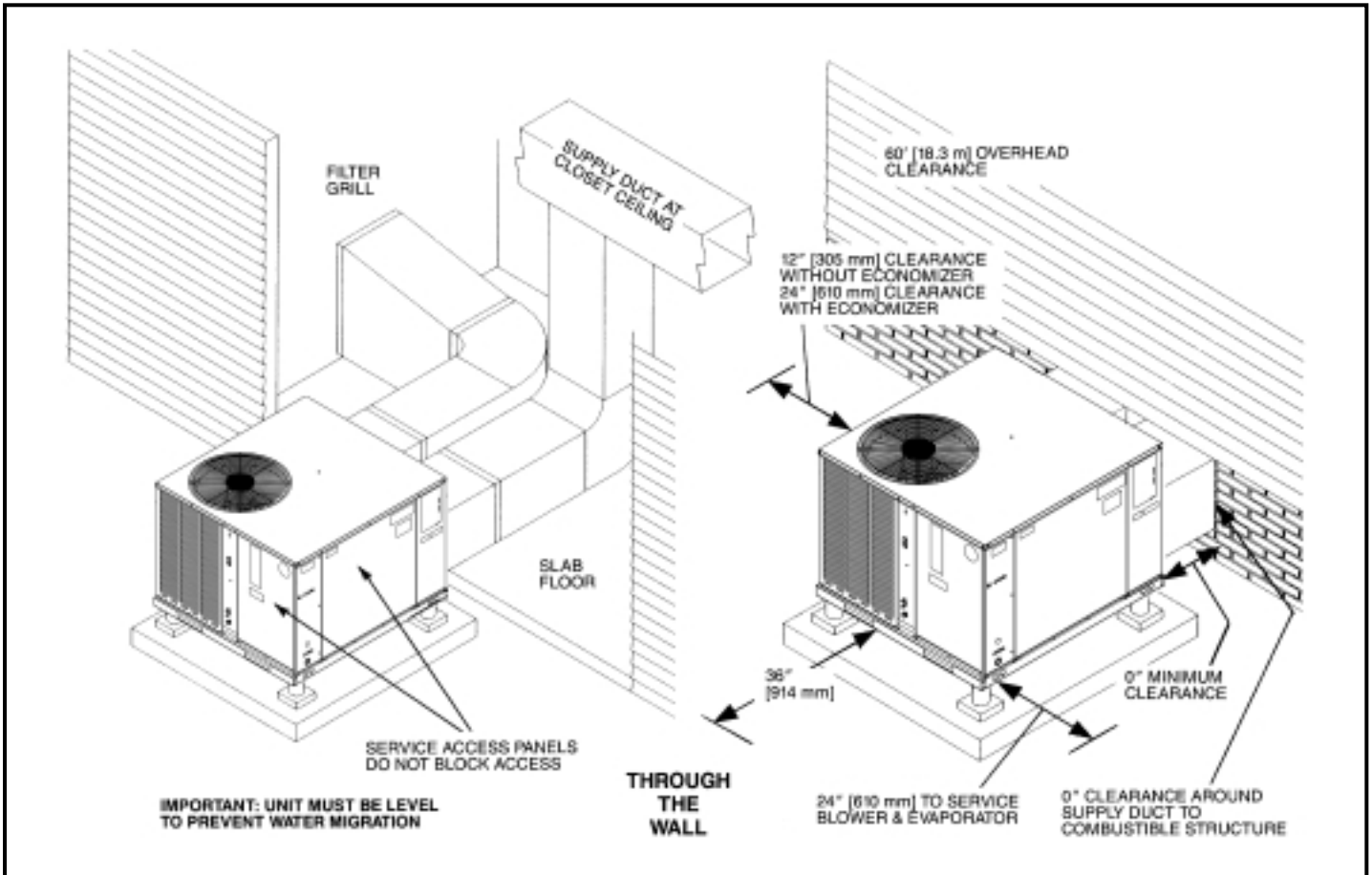


IMPORTANT:
 INSTALLATION MUST NOT INTERFERE WITH DRAINAGE OPENINGS IN BOTTOM OF UNIT UNDER OUTDOOR COIL.

Model Number	Height "A"
B024, B025	35 ¹⁵ / ₁₆
B030, B036, B042, B048	41

IMPORTANT:
 UNIT MUST BE LEVEL TO PREVENT WATER MIGRATION.

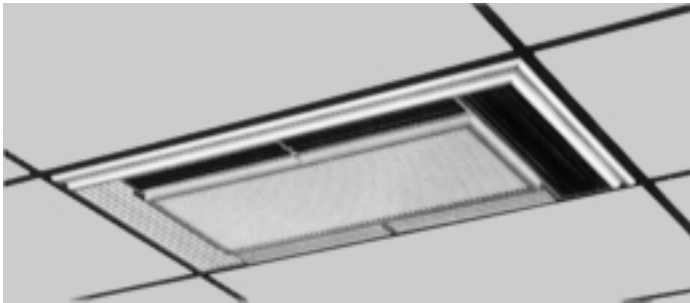
[] Designates Metric Conversions



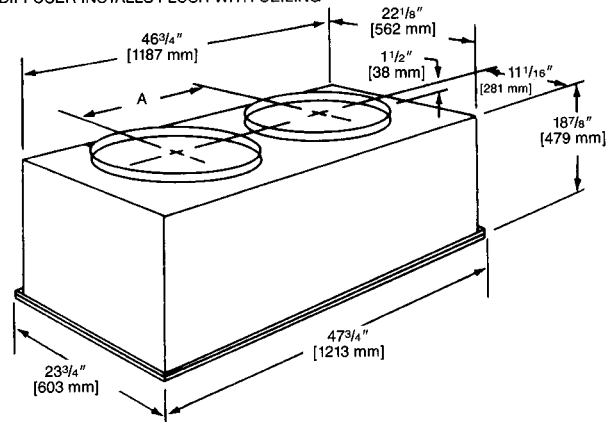
ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Thermostats	RQNL-/RQPL-	See Thermostat Specification Sheet (T11-001)
Roofcurb	RQNL-/RQPL-	RXQG-AAA14 (14" [356 mm] Height) RXQG-AAA24 (24" [610 mm] Height)
Supply & Return Diffusers	RQNL-/RQPL-	RXRN-BD15
Economizers (Downflow Only)	RQNL-/RQPL-	RXRE-CAA30 (3 Position) RXRD-CAM10 (Fully Modulating)
Economizers (Sideflow Only)	RQNL-/RQPL-	RXRD-CCM10 (Fully Modulating) RXRE-CCA30 (3 Position)
Fresh Air Damper	RQNL-/RQPL-	RXRF-FAB1 (Motorized-35%) RXRF-FAA1 (Fixed-35%)
Rectangular to Round Transition (Downflow)	RQNL-/RQPL-	RXMC-CA02 (16" [406 mm] Ducts) RXMC-CA03 (18" [457 mm] Ducts)
Filter Kit	RQNL-/RQPL-	RXRY-B01
High Pressure Control	RQNL-/RQPL-	RXAB-D01
Outdoor Thermostat	RQNL-/RQPL-	RXPT-A01
Low Ambient Control	RQNL-/RQPL-	RXPZ-G01
Duct Adapter Sideflow Square to Round Transition	RQNL-/RQPL-	RXMC-BA01
Lift Kit	RQNL-/RQPL-	RXML-A01

COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



DIFFUSER INSTALLS FLUSH WITH CEILING



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]

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]

[] Designates Metric Conversions

THERMOSTATS

■ Thermostats



100-Series *
Non-Programmable



200-Series *
Programmable



300-Series *
Deluxe
Programmable



400-Series *
Special Applications/
Programmable

500-Series *
Communicating/
Programmable

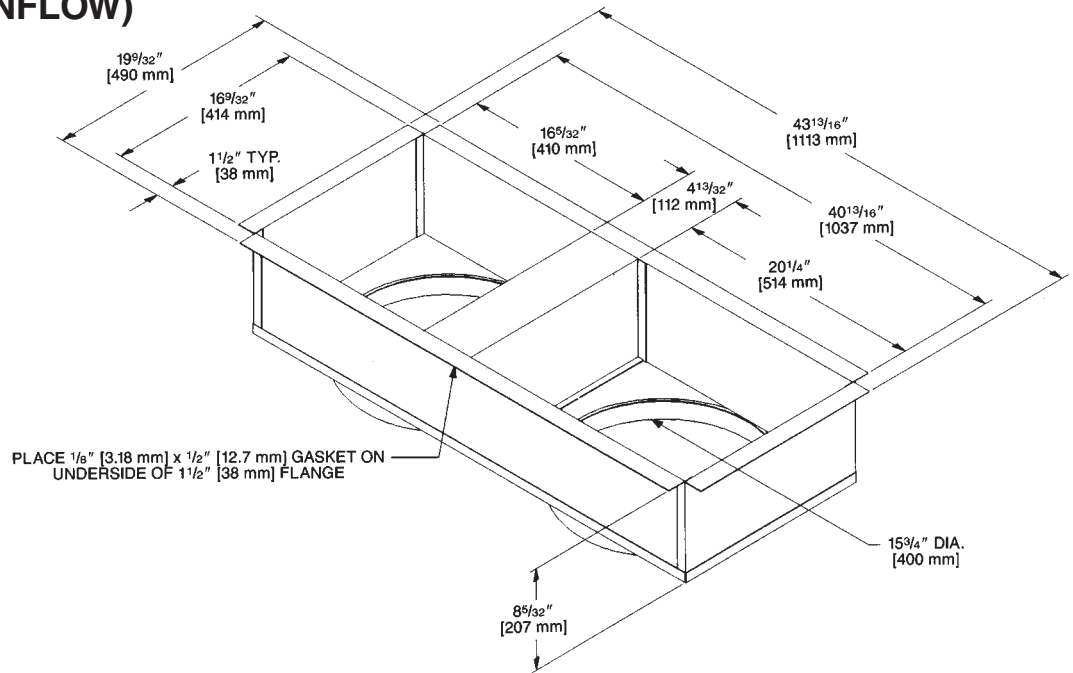
Brand	Unique Model Number Prefix	Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
RHC	-	TST	101	GE	MS
RHC=Rheem		TST=Thermostat	100=Non-Programmable 200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable 500=Communicating/ Programmable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

* Photos are representative. Actual models may vary.

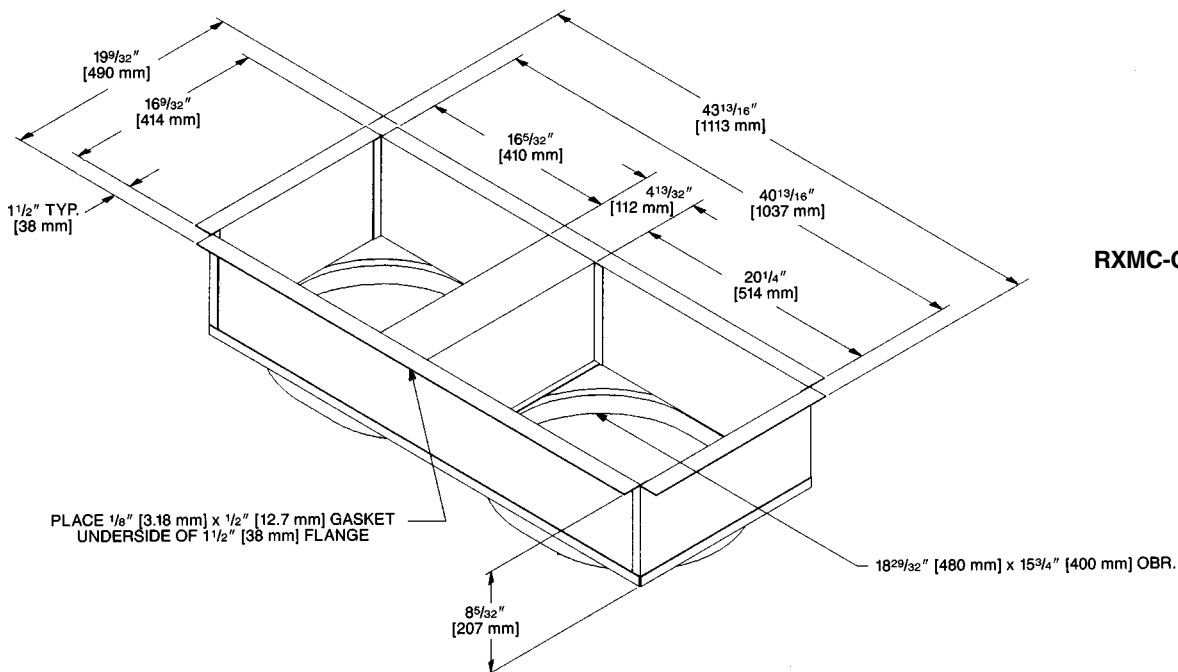
For detailed thermostat match-up information, see specification sheet form number T11-001.

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03



[] Designates Metric Conversions

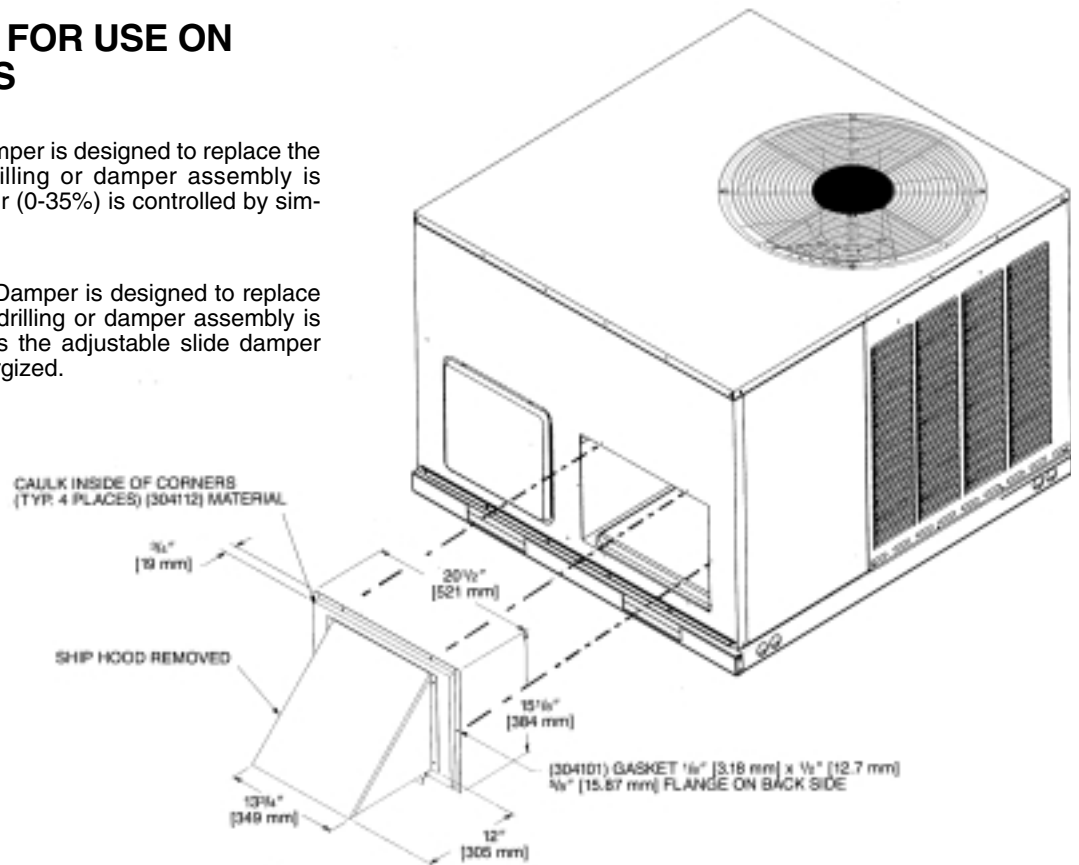
FRESH AIR DAMPER FOR USE ON RQNL-/RQPL- SERIES

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

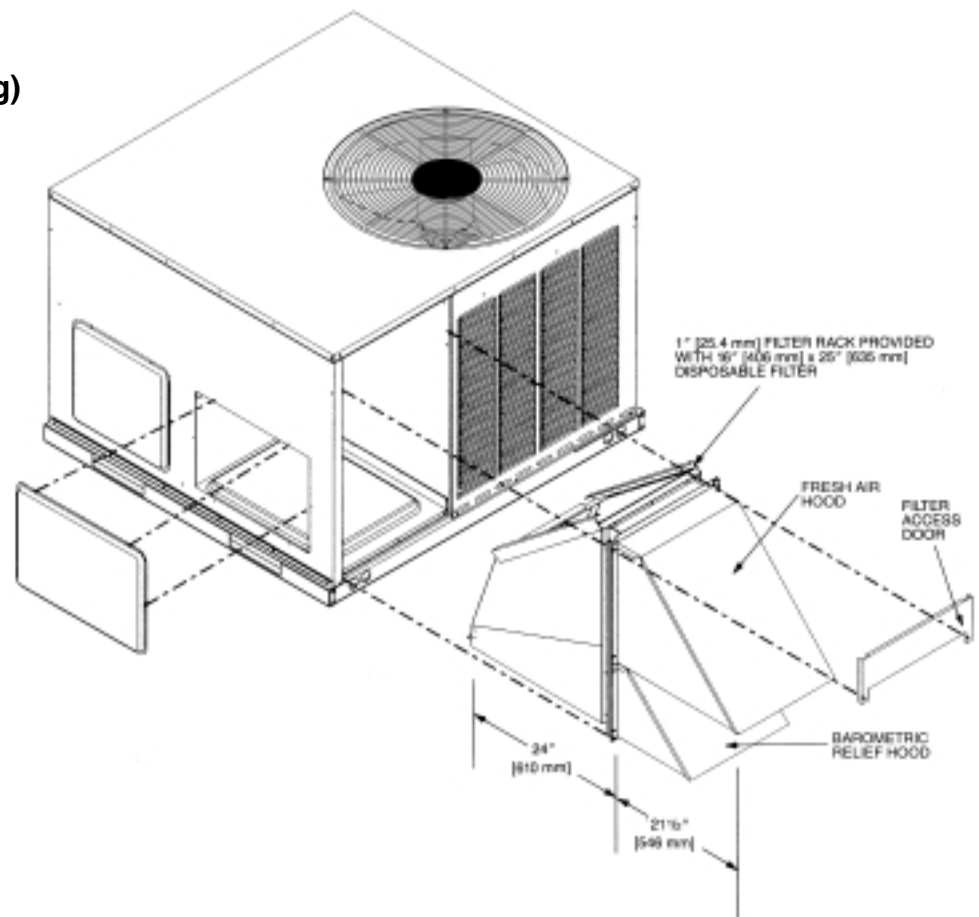
RXRE-CAA30 (3 Position) and RXRD-CAM10 (Fully Modulating) RQNL-/RQPL- Series Downflow Application

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.



[] Designates Metric Conversions

ECONOMIZERS

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

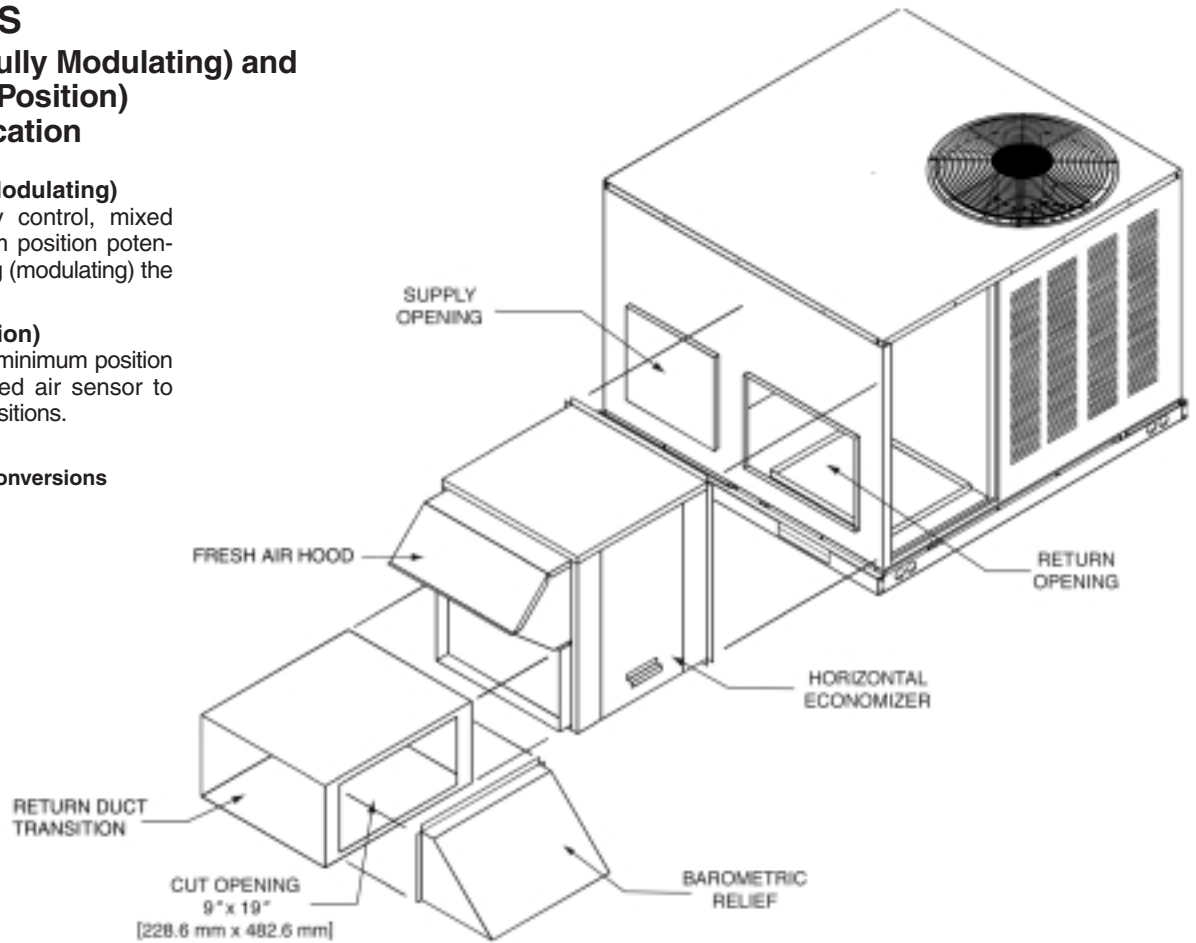
RXRD-CCM10 (Fully Modulating)

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

RXRE-CCA30 (3-Position)

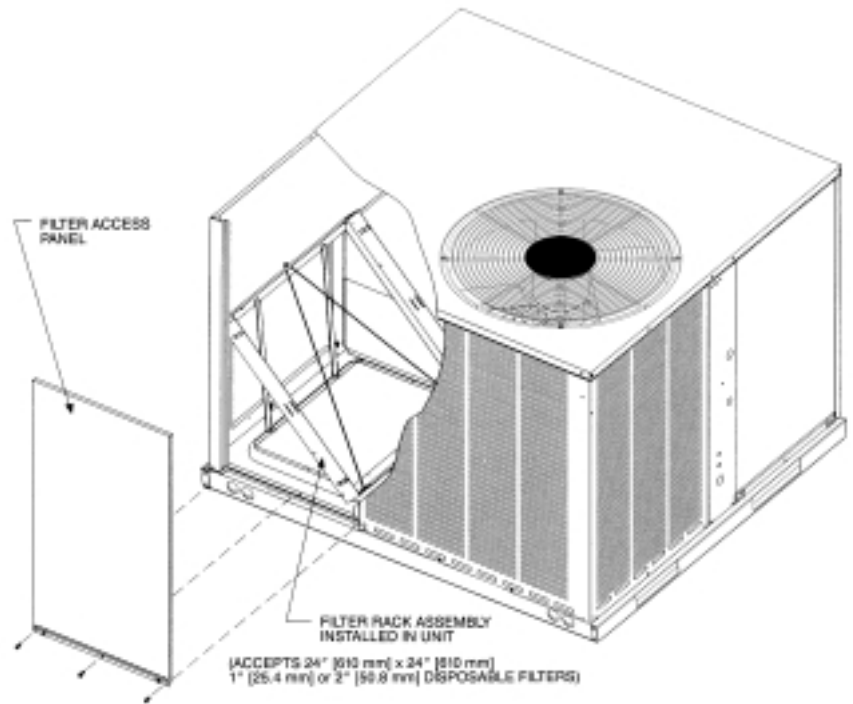
Has outdoor air sensor, minimum position potentiometer, and mixed air sensor to provide three damper positions.

[] Designates Metric Conversions



FILTER KIT INSTALLATION RXRY-B01

For use in either vertical
or horizontal discharge.



	CFM [L/s]	
Minimum Airflow	Nominal Airflow	Maximum Airflow
510 [241]	600 [283]	660 [311]
680 [321]	800 [378]	880 [415]
850 [401]	1000 [472]	1100 [519]
1020 [481]	1200 [566]	1320 [623]
1190 [562]	1400 [661]	1540 [727]
1275 [602]	1500 [708]	1650 [779]
1700 [802]	2000 [944]	2200 [1039]

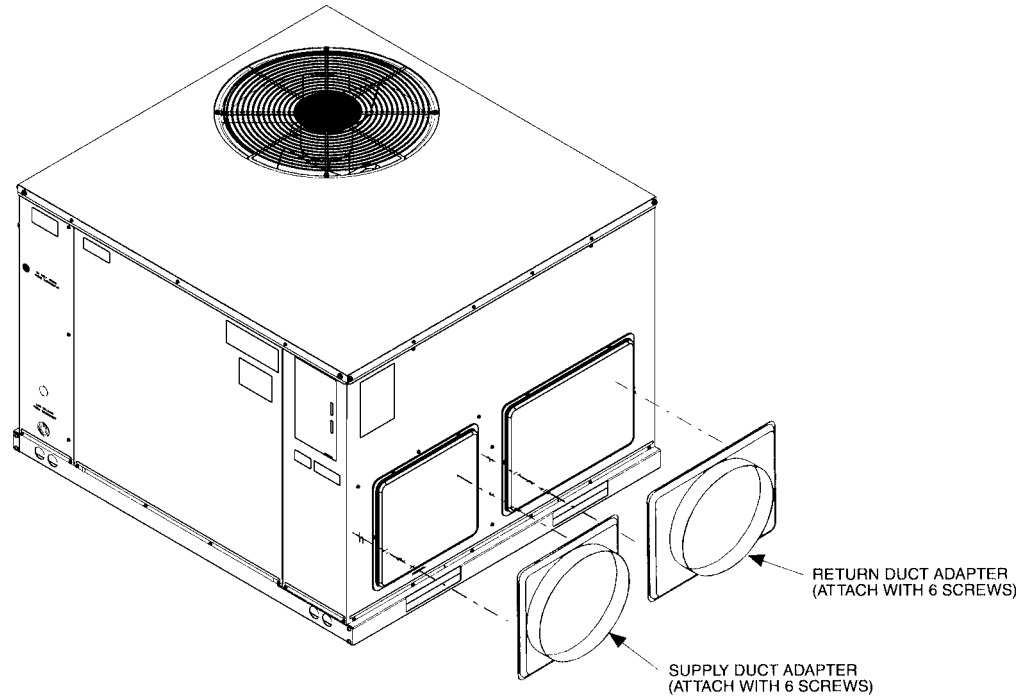
	Airflow Pressure Drop, Inches W.C. [kPa]	
CFM [L/s]	1" Filter	2" Filter
500 [236]	.02 [.0050]	.03 [.0075]
600 [283]	.02 [.0050]	.03 [.0075]
700 [330]	.03 [.0075]	.04 [.0101]
800 [378]	.04 [.0101]	.05 [.0124]
900 [425]	.05 [.0124]	.06 [.0149]
1000 [472]	.07 [.0174]	.08 [.0199]
1100 [519]	.08 [.0199]	.09 [.0224]
1200 [566]	.10 [.0249]	.12 [.0299]
1300 [614]	.13 [.0324]	.15 [.0373]
1400 [661]	.16 [.0398]	.19 [.0473]
1500 [708]	.19 [.0473]	.21 [.0523]
1600 [755]	.20 [.0498]	.23 [.0572]
1700 [802]	.21 [.0523]	.24 [.0598]
1800 [850]	.22 [.0548]	.25 [.0623]
1900 [897]	.24 [.0598]	.27 [.0672]
2000 [944]	.26 [.0647]	.29 [.0722]

[] Designates Metric Conversions

DUCT ADAPTER SIDEFLOW SQUARE TO ROUND TRANSITION RXMC-A01

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

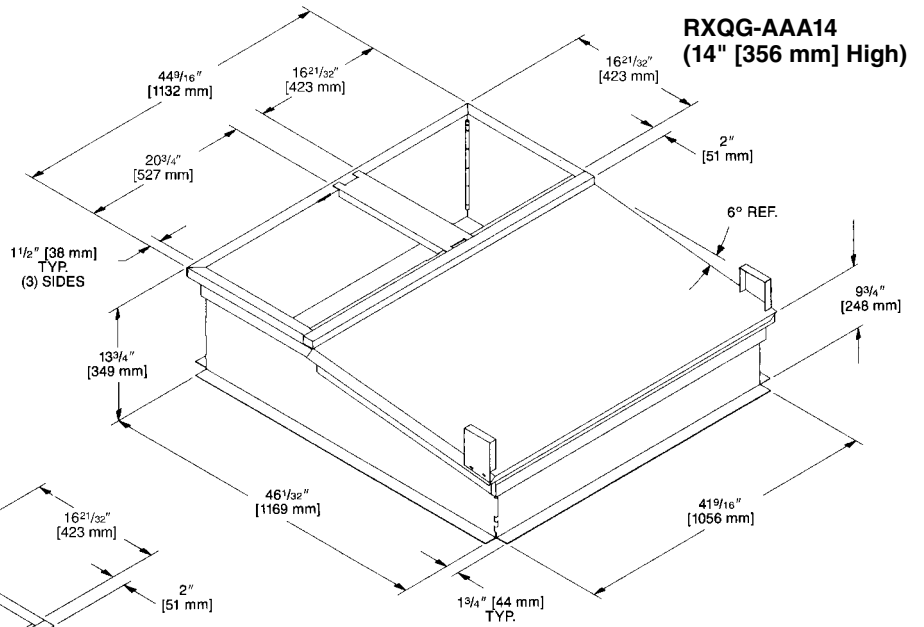
[] Designates Metric Conversions



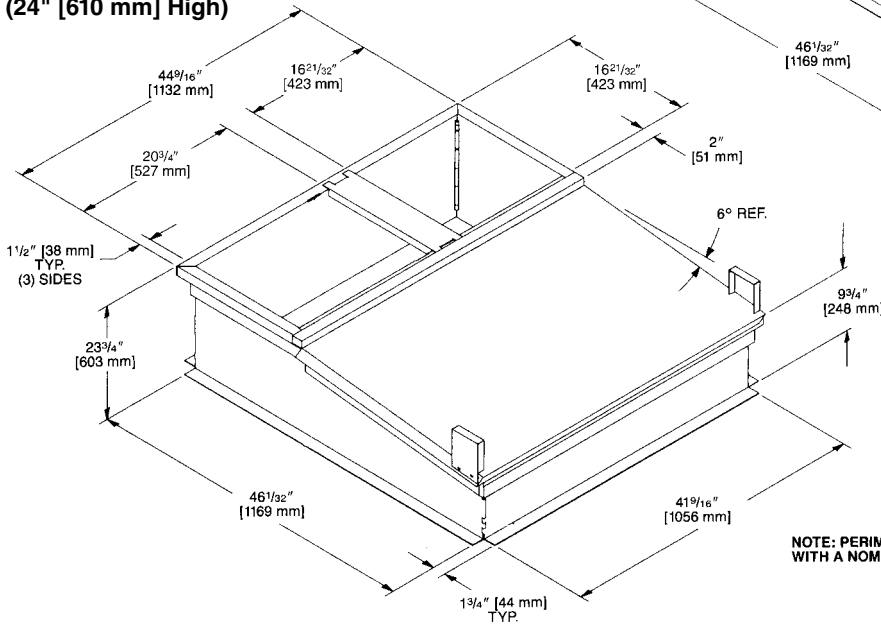
Roofcurb (Sloped) RXQG-AAA14 & RXQG-AAA24 for RQNL-/RQPL- Series

Note: Heat pump models must use sloped curbs.

Hinged corners make for fast, easy set-up.

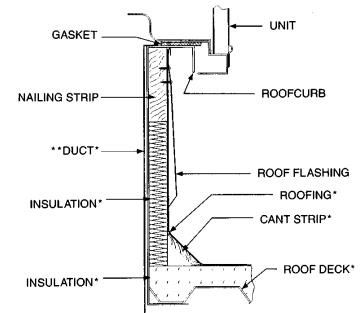
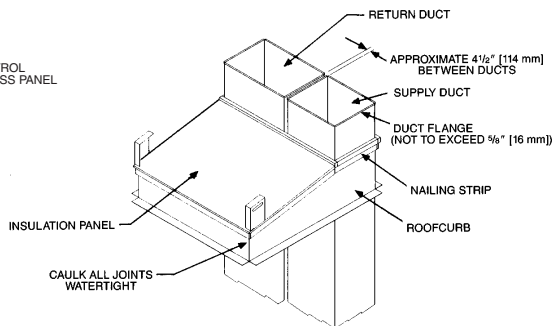
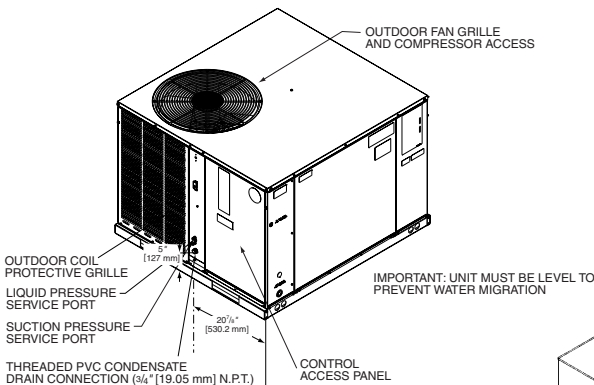


RXQG-AAA24 (24" [610 mm] High)



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

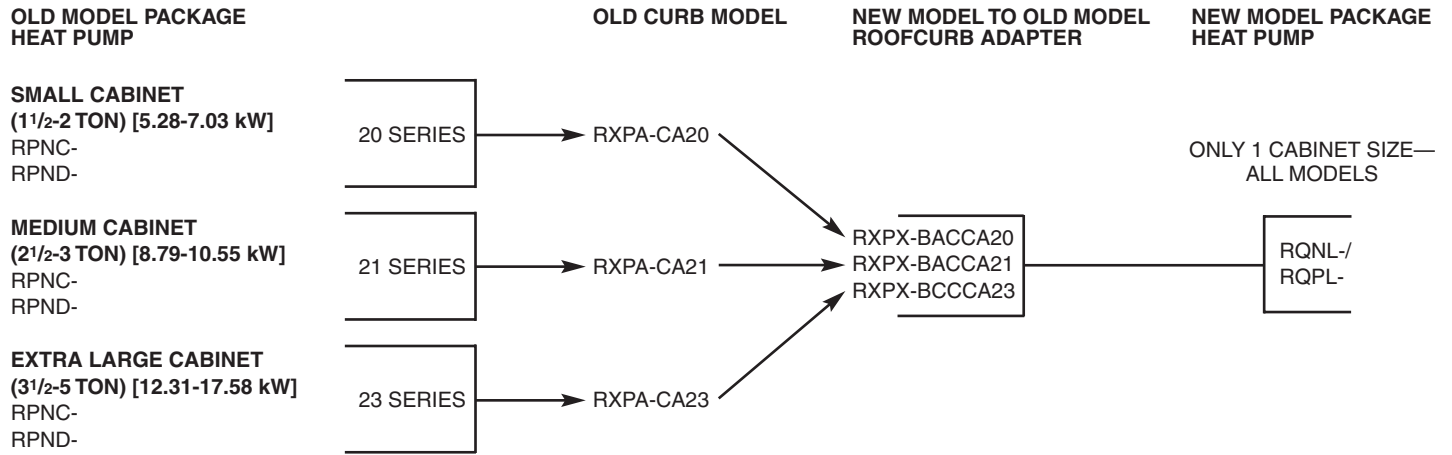
Packaged Heat Pump Roofcurb Installation (Sloped)



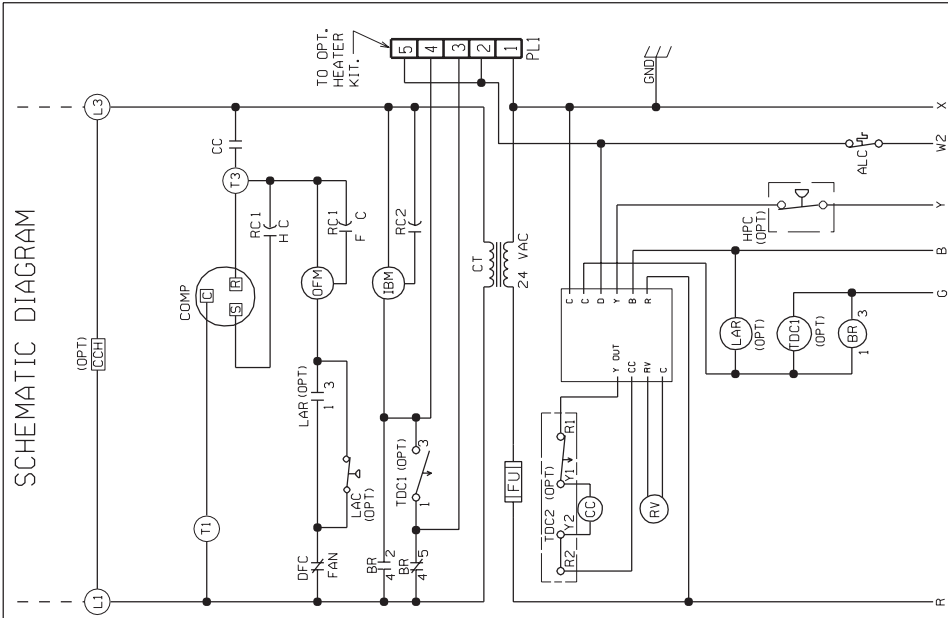
*BY CONTRACTOR
**FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

ROOFCURB ADAPTERS

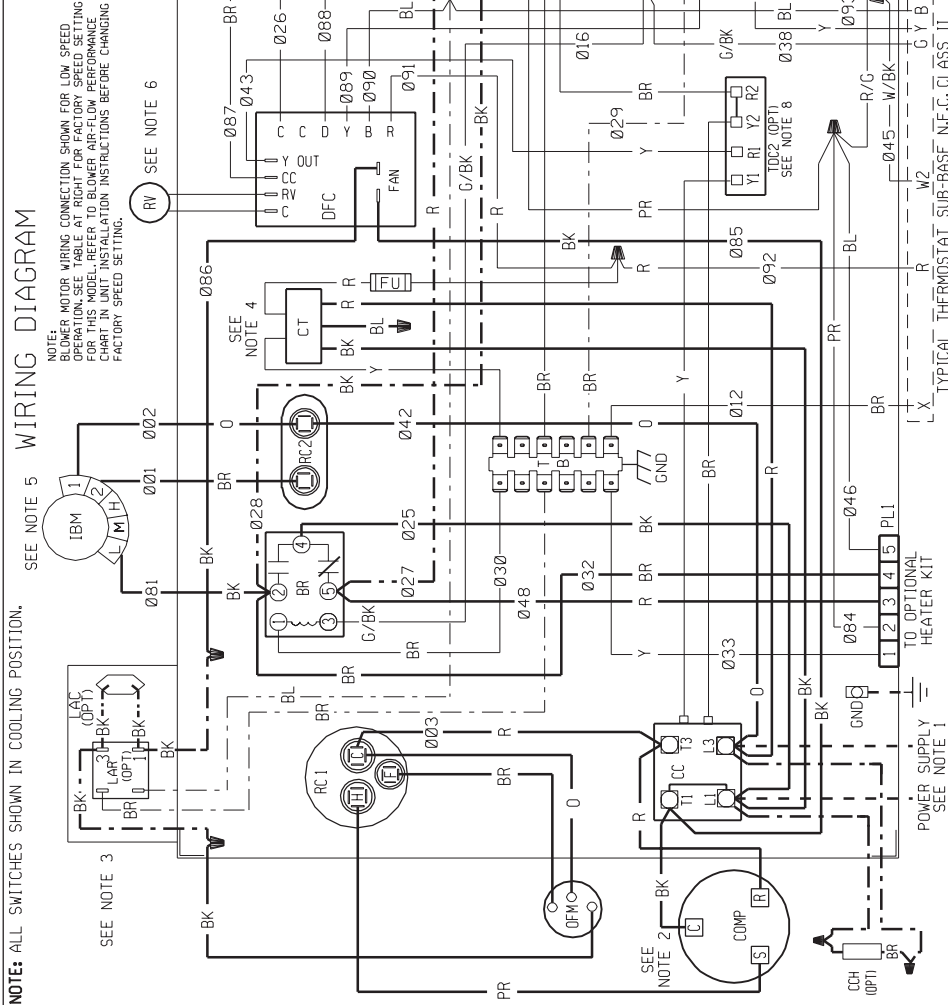
Fabricated from galvanized steel to adapt the New cabinet to the old style curb. All are furnished with a New gasket.



[] Designates Metric Conversions



MODEL	FACTORY BLOWER SPEED
2.0 TON	HIGH
2.5 TON	LOW
3.0 TON	HIGH



MODEL	FACTORY BLOWER SPEED
2.0 TON	HIGH
2.5 TON	LOW
3.0 TON	HIGH

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

ELECTRICAL WIRING DIAGRAM

PACKAGE HEAT PUMP

1 PH, 208-230 VOLT
PSC INDOOR BLOWER MOTOR

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.)

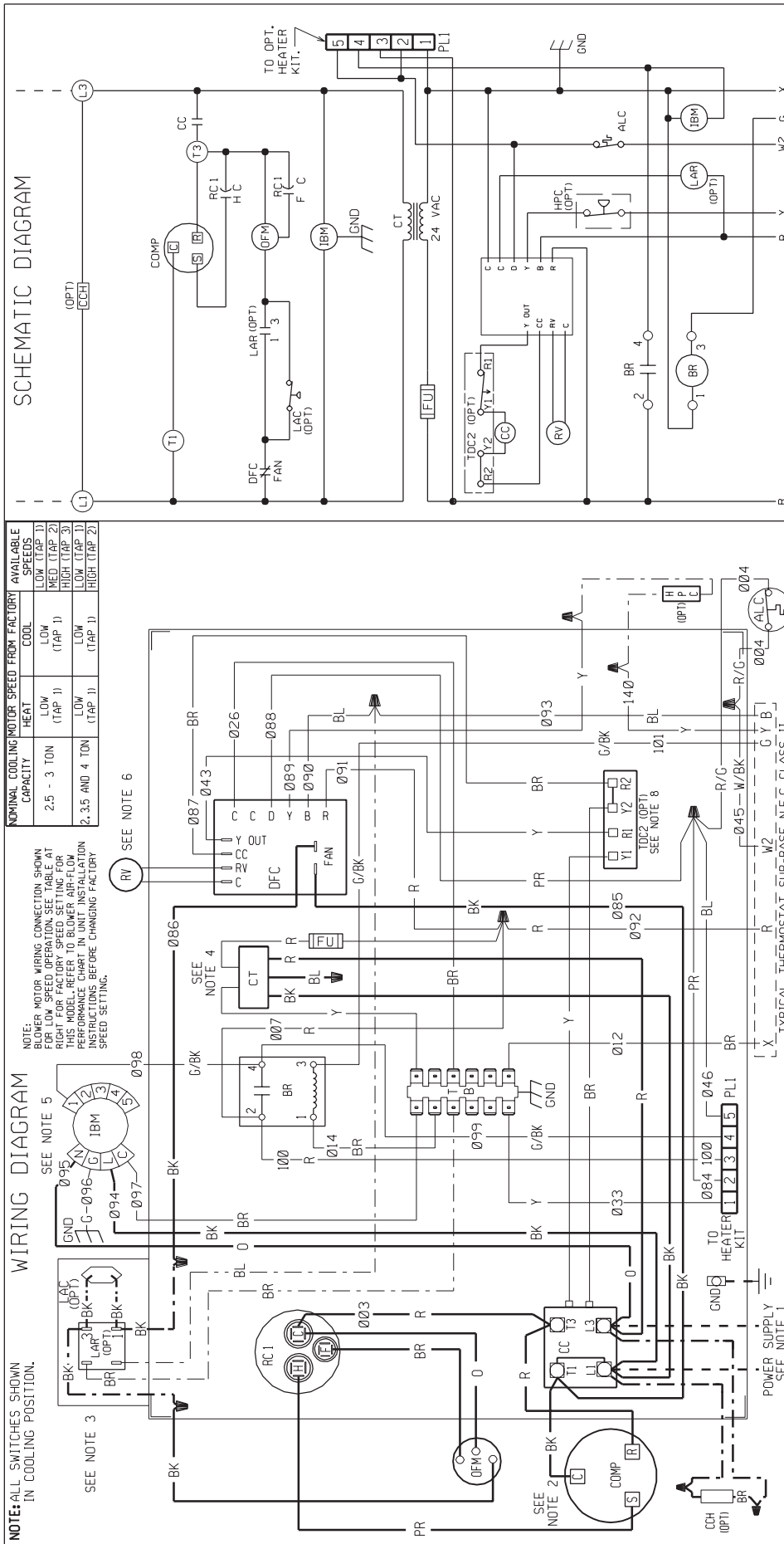
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

NOTES:

- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- COMPRESSOR MOTOR THERMALLY PROTECTED.
- IF LAR/LAR IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM DR
- TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
- MOTOR FACTORY WIRED FOR CORRECT SPEED.
- THIS COMPONENT ENERGIZED IN HEATING.
- SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
- BROWN & YELLOW WIRES ARE CONTINUOUS IF OPTIONAL TDC2 IS NOT PRESENT.

COMPONENT CODE	
ALC	AUX. LIMIT CONTROL
BR	BLOWER RELAY
CC	COMPRESSOR CONTACTOR
CCH	CRANKCASE HEATER
COMP	COMPRESSOR
CT	CONTROL TRANSFORMER
DEF	DEFROST CONTROL
FUSE	FUSE
RV	REVERSING VALVE
IB	TERMINAL BLOCK
TDC	TIME DELAY CONTROL
WIRE NUT	WIRE NUT

90-23621-12	REV 04
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SCHEMATIC DIAGRAM

NOMINAL COOLING MOTOR SPEED FROM FACTORY		AVAILABLE SPEEDS	
CAPACITY	HEAT	COOL	LOW (TAP 1)
2.5 - 3 TON	LOW (TAP 1)	LOW (TAP 1)	MED (TAP 2)
	HIGH (TAP 2)	HIGH (TAP 3)	HIGH (TAP 3)
2.3, 3.5 AND 4 TON	LOW (TAP 1)	LOW (TAP 1)	LOW (TAP 1)
	HIGH (TAP 2)	HIGH (TAP 2)	HIGH (TAP 2)

NOTE: MOTOR WIRING CONNECTION SHOWN FOR LOW SPEED OPERATION. SEE WIRING DIAGRAM FOR FACTORY SPEED SETTING FOR THIS MODEL. REFER TO BLOWER AIR-FLOW PERFORMANCE CHART IN UNIT INSTALLATION INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.

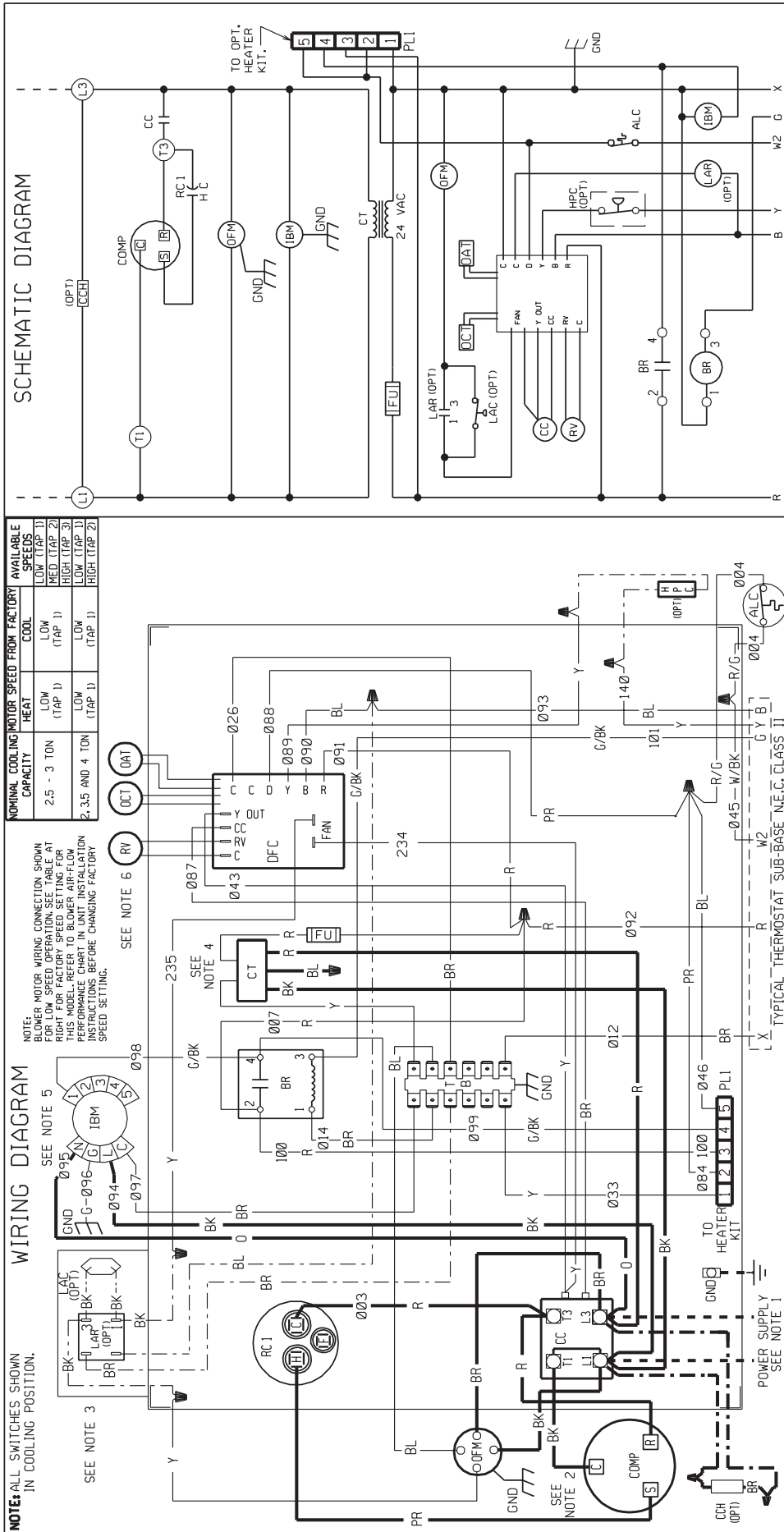
WIRING DIAGRAM

NOTE: ALL SWITCHES SHOWN IN COOLING POSITION.

COMPONENT CODE		WIRE COLOR CODE	
ALC	AUX. LIMIT CONTROL	BK	BLACK
BR	COMPRESSOR RELAY CONTACTOR	BR	BROWN
CC	LOW AMBIENT COOLING CONTROL	GY	GRAY
CH	LOW AMBIENT HEATER	OR	ORANGE
CCM	CRANKCASE HEATER	BL	BLUE
COMP	COMPRESSOR	G	GREEN
CT	CONTROL TRANSFORMER	PR	PURPLE
DFC	DEFROST CONTROL		
FU	RUN CAPACITOR		
GV	FUSE		
HPC	REVERSING VALVE		
IBM	INDOOR BLOWER MOTOR		
LAC	LOW AMBIENT COOLING CONTROL		
LAR	LOW AMBIENT HEATER		
OFM	OUTDOOR FAN MOTOR		
OPT	OPTIONAL		
PL	PLUG		
RC	CONTROL TRANSFORMER		
RC1	DEFROST CONTROL		
RC2	DEFROST CONTROL		
RC3	DEFROST CONTROL		
RV	REVERSING VALVE		
TB	TERMINAL BLOCK		
TDC	TIME DELAY CONTROL		
W	WIRE NUT		

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.	---

ELECTRICAL WIRING DIAGRAM	
PACKAGE HEAT PUMP	
1 PH, 208-230 VOLT	
DR. BY	X-13 INDOOR BLOWER MOTOR
APP. BY	
DATE	03-15-05
DWG. NO.	90-23621-13
REV	06



SCHEMATIC DIAGRAM

NOMINAL COOLING MOTOR SPEED FROM FACTORY		AVAILABLE SPEEDS	
CAPACITY	HEAT (TAP 1)	COOL (TAP 1)	LOW (TAP 2)
2.5 - 3 TON	LOW (TAP 1)	LOW (TAP 1)	MED (TAP 2)
2.35 AND 4 TON	LOW (TAP 1)	LOW (TAP 1)	HIGH (TAP 3)
			LOW (TAP 2)
			HIGH (TAP 2)

NOTE: BLOWER MOTOR WIRING CONNECTION SHOWN FOR LOW SPEED OPERATION. SEE TABLE AT RIGHT FOR FACTORY SPEED SETTING FOR PERFORMANCE CHART. IN UNIT INSTALLATION INSTRUCTIONS, BEFORE CHANGING FACTORY SPEED SETTING.

SEE NOTE 5

SEE NOTE 6

WIRING DIAGRAM

WIRE COLOR CODE

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

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:

- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- COMPRESSOR MOTOR THERMALLY PROTECTED.
- IF LAC/LAR IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM OR TRANSFORMER FACTORY WIRING FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
- MOTOR FACTORY WIRING FOR CORRECT SPEED.
- THIS COMPONENT ENERGIZED IN HEATING.
- SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.

COMPONENT CODE

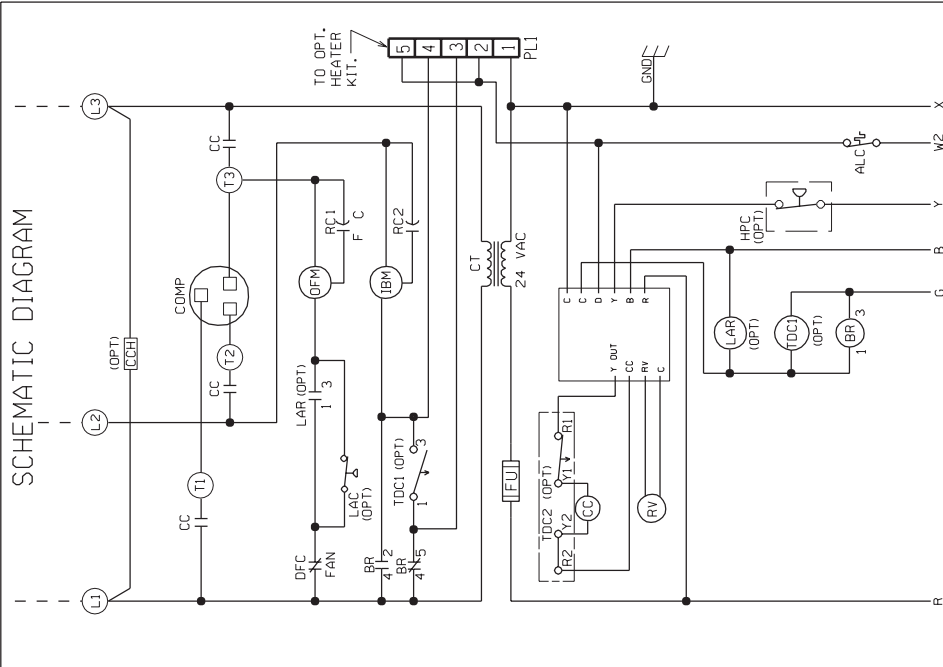
ALC	AUX. LIMIT CONTROL	LAR	LOW AMBIENT RELAY
BR	BLOWER RELAY	OAT	OUTDOOR AMBIENT TEMP CONTROL
CC	COMPRESSOR CONTACTOR	OC	OUTDOOR COIL TEMP CONTROL
CC1	CHARGE PRESS. HEATER	OFC	OUTDOOR FAN MOTOR CONTROL
CC2	CONTROL TRANSFORMER	OPT	OPTIONAL
CC3	DEFROST CONTROL	PL	PLUG
CC4	FUSE	RC	RUN CAPACITOR
CC5	GROUND	RV	REVERSING VALVE
CC6	HIGH PRESSURE CONTROL	TB	TERMINAL BLOCK
CC7	INDOOR BLOWER MOTOR		WIRE NUT
CC8	LOW AMBIENT COOLING CONTROL		

ELECTRICAL WIRING DIAGRAM

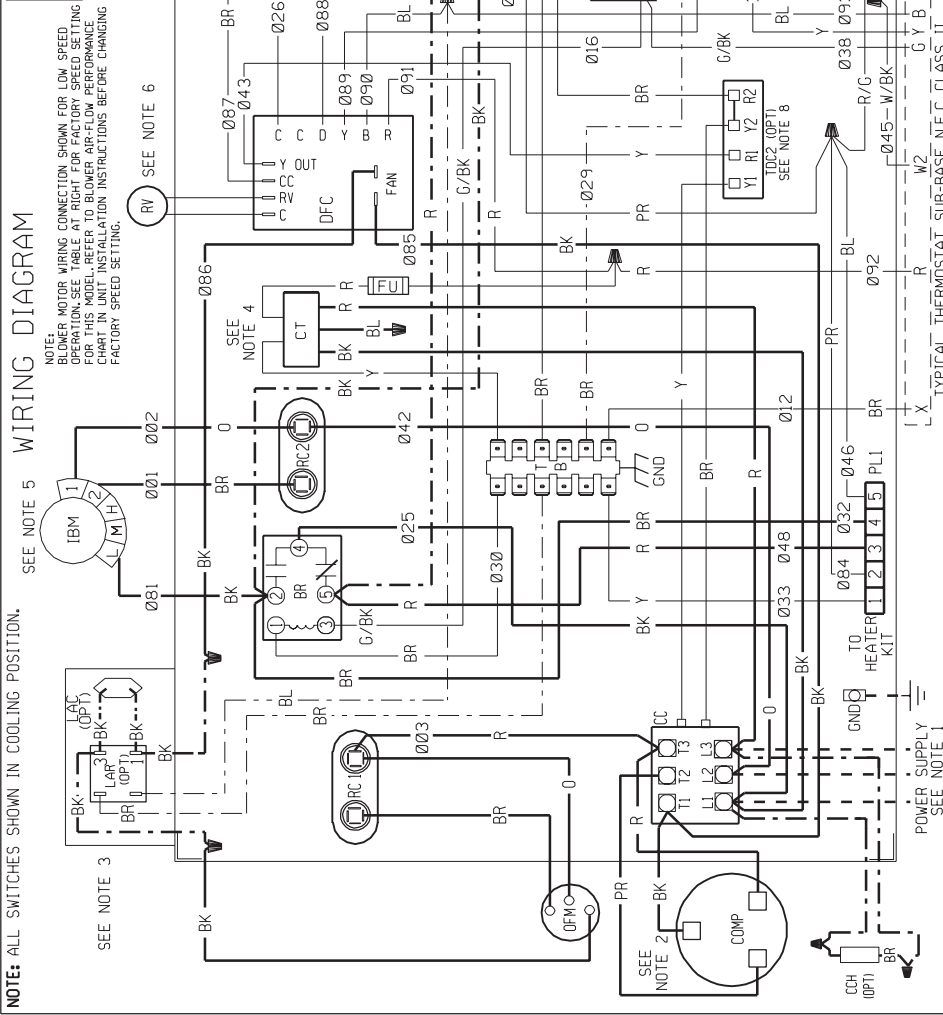
PACKAGE HEAT PUMP

ECM OUTDOOR MOTOR
 1 PH, 208-230 VOLT

DR. BY: MGR
 APP. BY: DATE
 DWG. NO.: 90-23621-21
 REV: 01



MODEL	FACTORY BLOWER SPEED
3.0 TON	HIGH



NOTE: ALL SWITCHES SHOWN IN COOLING POSITION.

NOTE: BLOWER MOTOR WIRING CONNECTION SHOWN FOR LOW SPEED OPERATION. SEE TABLE AT RIGHT FOR FACTORY SPEED SETTING FOR THIS MODEL. REFER TO BLOWER AIR-FLOW PERFORMANCE CHART IN UNIT INSTALLATION INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.

SEE NOTE 5 WIRING DIAGRAM

SEE NOTE 6

SEE NOTE 2

SEE NOTE 3

SEE NOTE 4

SEE NOTE 6

WIRE COLOR CODE

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

ELECTRICAL WIRING DIAGRAM
PACKAGE HEAT PUMP
 3 PH, 208-230 VOLT
 PSC INDOOR BLOWER MOTOR

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

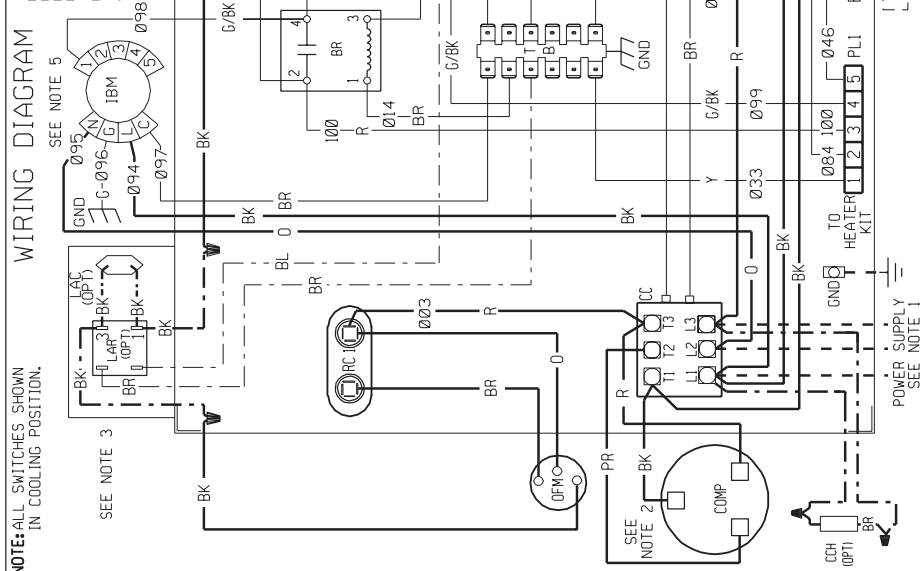
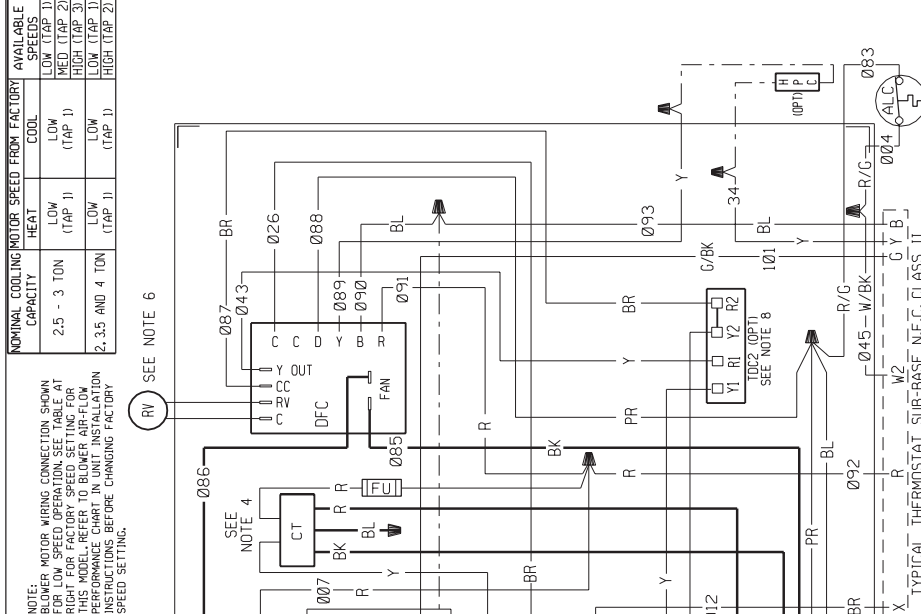
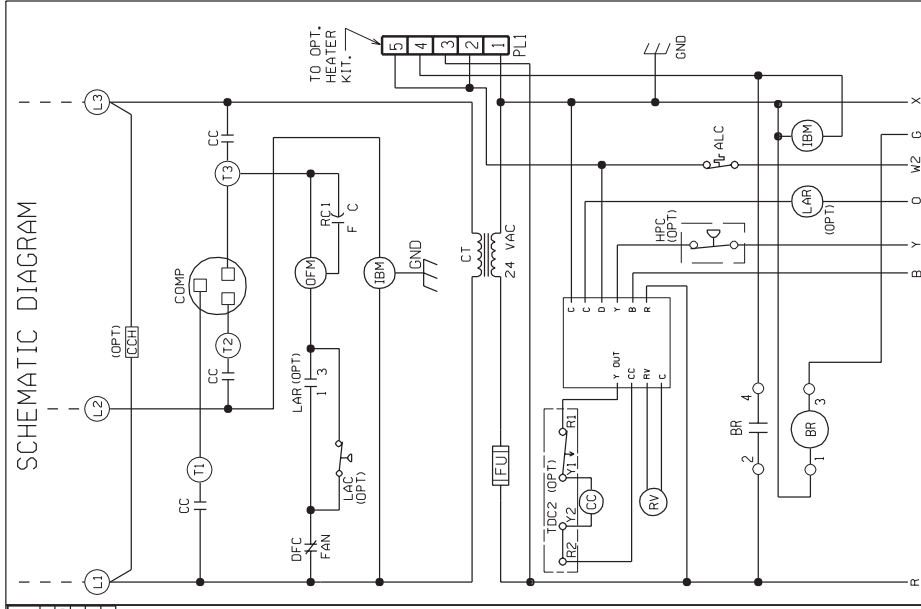
NOTES:

- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- COMPRESSOR MOTOR THERMALLY PROTECTED.
- IF LAC/LAR IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM BR
- TRANSFORMER FACTORY WIRING FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
- MOTOR FACTORY WIRING FOR CORRECT SPEED.
- THIS COMPONENT ENERGIZED IN HEATING.
- SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
- BROWN & YELLOW WIRES ARE CONTINUOUS IF OPTIONAL TDC2 IS NOT PRESENT.

COMPONENT CODE

ALC	AUX. LIMIT CONTROL	LAC	LOW AMBIENT COOLING CONTROL
BR	BLOWER RELAY	LAR	LOW AMBIENT RELAY
CC	COMPRESSOR CONTACTOR	CH	CRANKCASE HEATER
CCH	COMPRESSOR HEATER	OFM	OUTDOOR FAN MOTOR
COMP	COMPRESSOR	OPT	OPTIONAL
CT	CONTROL TRANSFORMER	PL	PLUG CAPACITOR
DFC	DEFROST CONTROL	RV	REVERSING VALVE
DFC	DEFROST CONTROL	TB	TERMINAL BLOCK
GND	GROUND	TDC	TIME DELAY CONTROL
HPC	HIGH PRESSURE CONTROL		WIRE NUT
IBM	INDOOR BLOWER MOTOR		

90-23621-14 REV 05



MINIMAL COOLING MOTOR SPEED FROM FACTORY AVAILABLE SPEEDS

COOL CAPACITY	HEAT	LOW (TAP 1)	LOW (TAP 2)
2.5 - 3 TON	LOW (TAP 1)	LOW (TAP 1)	LOW (TAP 2)
2.35 AND 4 TON	LOW (TAP 1)	LOW (TAP 1)	HIGH (TAP 2)

NOTE: BLOWER MOTOR WIRING CONNECTION SHOWN FOR LOW SPEED OPERATION. SEE TABLE AT RIGHT FOR FACTORY SPEED SETTING FOR HIGH SPEED OPERATION. PERFORMANCE CHART IN UNIT INSTALLATION INSTRUCTIONS CHART IN UNIT INSTALLATION INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.

WIRING DIAGRAM

NOTE: ALL SWITCHES SHOWN IN COOLING POSITION.

WIRE COLOR CODE

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

ELECTRICAL WIRING DIAGRAM

PACKAGE HEAT PUMP
3 PH, 208-230 VOL.T
X-13 INDOOR BLOWER MOTOR

DR. BY: KDF
APP. BY: DATE
DWG. NO. 90-23621-15
REV 06

WIRING INFORMATION

- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- COMPRESSOR MOTOR THERMALLY PROTECTED.
- IF LAC/LAR IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM DR
- TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
- MOTOR FACTORY WIRED FOR CORRECT SPEED.
- THIS COMPONENT ENERGIZED IN HEATING.
- SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
- BROWN & YELLOW WIRES ARE CONTINUOUS IF OPTIONAL TOC2 IS NOT PRESENT.

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

COMPONENT CODE

AUX. LIMIT CONTROL	LAC	LOW AMBIENT COOLING CONTROL
BLOWER RELAY	LAR	LOW AMBIENT RELAY
COMPRESSOR	COMP	CRANKCASE HEATER
CONTROL TRANSFORMER	CT	OPTIONAL
DEFROST CONTROL	DFC	PLUG CAPACITOR
USE AND	CC	TEMPERATURE SENSING VALVE
HIGH PRESSURE CONTROL	HPC	TIME DELAY CONTROL
INDOOR BLOWER MOTOR	IBM	WIRE NUT

DWG. NO. 90-23621-15
REV 06

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.

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

Conditional Parts Warranty* (Registration Required)	
(1-Phase, Residential Applications)	Ten (10) Years
Electric Heating Elements for Optional Electric Heating Kits	Five (5) Years
Compressor (1-Phase, Residential Applications)	Ten (10) Years
13 & 14 SEER 1 & 3-Phase Models (Commercial Applications)	Five (5) Years
13 SEER 1 & 3-Phase Models.....	Five (5) Years
Any Other Part	
1-Phase Models (Residential Applications)	Five (5) Years
1 & 3-Phase Models (Commercial Applications).....	One (1) Year

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

**Rheem Heating,
Cooling and
Water Heating**

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



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