



The new degree of comfort.™

## Rheem Commercial *Classic*® Series Package Heat Pump



**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]



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

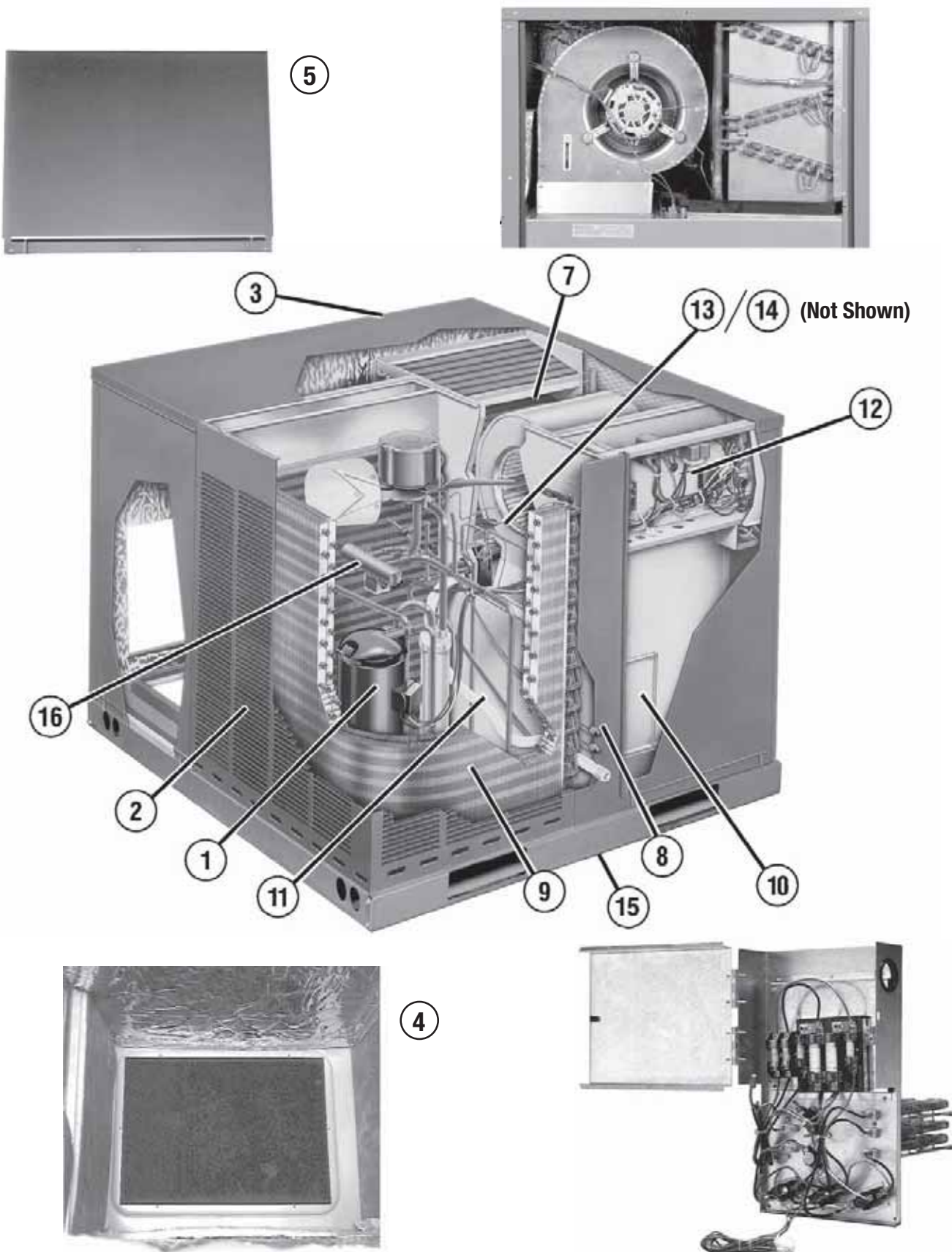


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## Package Heat Pump Features:





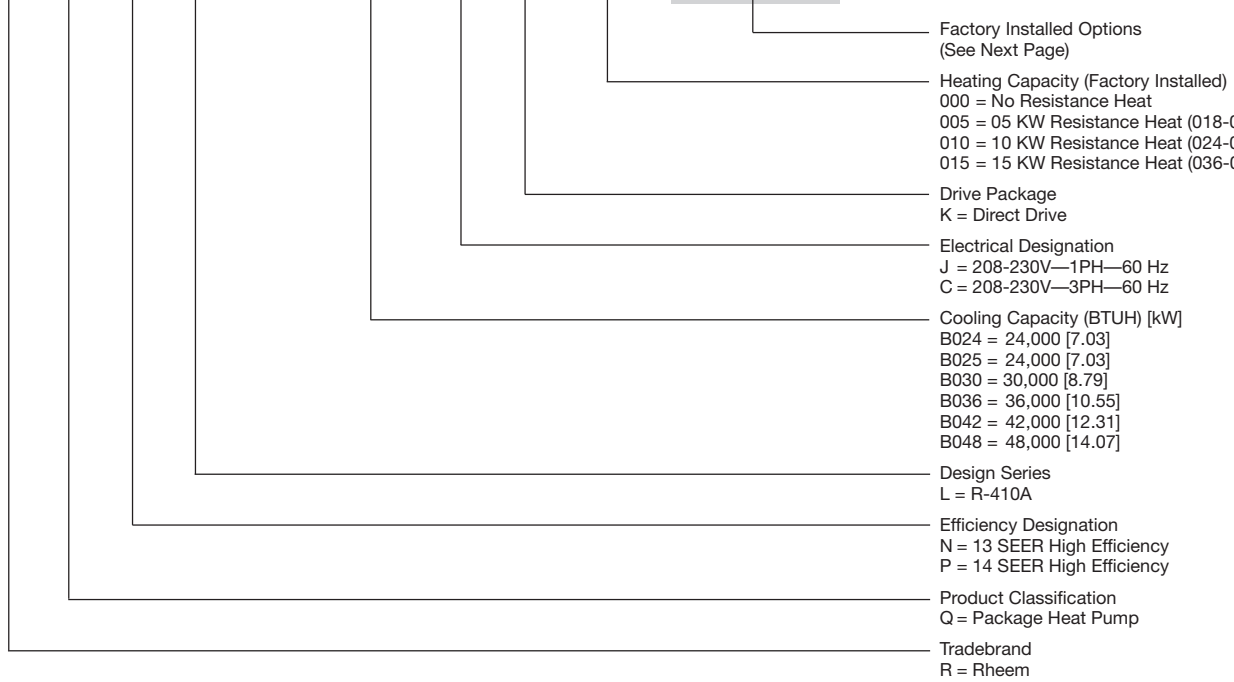
### Features Below Correspond to Photos on Page 3

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.



Air

**R Q N L — B024 J K 000 X X X**



[ ] 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-B036JK000XX (where XX is factory installed option)

Example: No Options

RQNL-B036JK000

Example: Options with Sideflow

RQNL-B036JK000AKA

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
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	24,400 [7.15]	29,000 [8.5]	36,200 [10.61]	36,200 [10.61]
EER/SEER <sup>2</sup>	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
<b>Heating Performance (Heat Pumps)<sup>4</sup></b>				
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
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>	76	76	76	76
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	14.51 [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
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	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]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2700 [1274]	2700 [1274]	2700 [1274]	2700 [1274]
No. Motors/HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/5 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [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
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	98 [2778]	108 [3062]	146 [4139]	146 [4139]
<b>Weights</b>				
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
<b>Cooling Performance<sup>1</sup></b>				
Gross Cooling Capacity Btu [kW]	43,500 [12.75]	43,500 [12.75]	49,000 [14.36]	49,000 [14.36]
EER/SEER <sup>2</sup>	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
<b>Heating Performance (Heat Pumps)<sup>4</sup></b>				
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
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>				
	76	76	78	78
<b>Outdoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	16.32 [1.52]	16.32 [1.52]	16.32 [1.52]	16.32 [1.52]
Refrigerant Control	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
	TX Valves	TX Valves	TX Valves	TX Valves
<b>Indoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm]	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Refrigerant Control	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Drain Connection No./Size in. [mm]	TX Valves	TX Valves	TX Valves	TX Valves
	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
<b>Outdoor Fan—Type</b>				
No. Used/Diameter in. [mm]	Propeller	Propeller	Propeller	Propeller
Drive Type/No. Speeds	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
CFM [L/s]	Direct/1	Direct/1	Direct/1	Direct/1
No. Motors/HP	3300 [1557]	3300 [1557]	3000 [1416]	3000 [1416]
Motor RPM	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
	1075	1075	1075	1075
<b>Indoor Fan—Type</b>				
No. Used/Diameter in. [mm]	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
Drive Type/No. Speeds	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
No. Motors	Direct/2	Direct/2	Direct/2	Direct/2
Motor HP	1	1	1	1
Motor RPM	3/4	3/4	3/4	3/4
Motor Frame Size	1075	1075	1075	1075
	48	48	48	48
<b>Filter—Type</b>				
Furnished	Field Supplied	Field Supplied	Field Supplied	Field Supplied
(No.) Size Recommended in. [mm]	No	No	No	No
	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>				
	176 [4990]	176 [4990]	183 [5188]	183 [5188]
<b>Weights</b>				
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
<b>Cooling Performance<sup>1</sup></b>				
Gross Cooling Capacity Btu [kW]	25,000 [7.32]	24,400 [7.15]	29,800 [8.73]	36,800 [10.78]
EER/SEER <sup>2</sup>	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
<b>Heating Performance (Heat Pumps)<sup>4</sup></b>				
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
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>				
	76	76	76	76
<b>Outdoor Coil—Fin Type</b>				
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	14.51 [1.35]	14.51 [1.35]	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
<b>Indoor Coil—Fin Type</b>				
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]
<b>Outdoor Fan—Type</b>				
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
<b>Indoor Fan—Type</b>				
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
<b>Filter—Type</b>				
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>				
	98 [2778]	98 [2778]	108 [3062]	146 [4139]
<b>Weights</b>				
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.

[ ] Designates Metric Conversions



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

Model RQPL- Series	B036JK	B042CK	B042JK	B048CK
<b>Cooling Performance<sup>1</sup></b>				
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	43,500 [12.75]	43,500 [12.75]	49,000 [14.36]
EER/SEER <sup>2</sup>	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
<b>Heating Performance (Heat Pumps)<sup>4</sup></b>				
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
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>				
	76	76	76	78
<b>Outdoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	11.2 [1.04]	16.32 [1.52]	16.32 [1.52]	16.32 [1.52]
Refrigerant Control	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
	TX Valves	TX Valves	TX Valves	TX Valves
<b>Indoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm]	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Refrigerant Control	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Drain Connection No./Size in. [mm]	TX Valves	TX Valves	TX Valves	TX Valves
	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
<b>Outdoor Fan—Type</b>				
No. Used/Diameter in. [mm]	Propeller	Propeller	Propeller	Propeller
Drive Type/No. Speeds	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
CFM [L/s]	Direct/1	Direct/1	Direct/1	Direct/1
No. Motors/HP	2700 [1274]	3300 [1557]	3300 [1557]	3000 [1416]
Motor RPM	1 at 1/5 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
	1075	1075	1075	1075
<b>Indoor Fan—Type</b>				
No. Used/Diameter in. [mm]	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
Drive Type/No. Speeds	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
No. Motors	Direct/3	Direct/2	Direct/2	Direct/2
Motor HP	1	1	1	1
Motor RPM	1/2	3/4	3/4	3/4
Motor Frame Size	1050	1075	1075	1075
	48	48	48	48
<b>Filter—Type</b>				
Furnished	Field Supplied	Field Supplied	Field Supplied	Field Supplied
(No.) Size Recommended in. [mm]	No	No	No	No
	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>				
	146 [4139]	176 [4990]	176 [4990]	183 [5188]
<b>Weights</b>				
Net Weight lbs. [kg]	468 [212]	508 [230]	505 [229]	500 [227]
Ship Weight lbs. [kg]	479 [217]	519 [235]	516 [234]	511 [232]

**CONTINUED** 

See Page 12 for Notes.

[ ] Designates Metric Conversions

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

Model RQPL- Series	B048JK
<b>Cooling Performance<sup>1</sup></b>	
Gross Cooling Capacity Btu [kW]	49,000 [14.36]
EER/SEER <sup>2</sup>	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
<b>Heating Performance (Heat Pumps)<sup>4</sup></b>	
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
<b>Compressor</b>	
No./Type	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>	
78	
<b>Outdoor Coil—Fin Type</b>	
Louvered	
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
<b>Indoor Coil—Fin Type</b>	
Louvered	
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]
<b>Outdoor Fan—Type</b>	
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
<b>Indoor Fan—Type</b>	
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
<b>Filter—Type</b>	
Field Supplied	
Furnished	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	
183 [5188]	
<b>Weights</b>	
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.



## COOLING PERFORMANCE DATA—RQNL-024

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	
DR ①		.17	.15	.13	.17	.15	.13	.17	.15	.13	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	29.4 [8.62] 18.2 [5.33] 1.5	28.9 [8.47] 17.4 [5.10] 1.5	28.3 [8.29] 16.6 [4.86] 1.5	28.1 [8.24] 21.0 [6.15] 1.5	27.6 [8.09] 20.1 [5.89] 1.5	27.1 [7.94] 19.1 [5.60] 1.5	27.1 [7.94] 22.3 [6.54] 1.5	26.6 [7.80] 21.3 [6.24] 1.5	26.1 [7.65] 20.3 [5.95] 1.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	29.2 [8.56] 18.0 [5.28] 1.6	28.6 [8.38] 17.2 [5.04] 1.6	28.1 [8.24] 16.4 [4.81] 1.6	27.8 [8.15] 20.8 [6.10] 1.6	27.3 [8.00] 19.8 [5.80] 1.6	26.8 [7.85] 18.9 [5.54] 1.6	26.8 [7.85] 22.1 [6.48] 1.6	26.4 [7.74] 21.1 [6.18] 1.6	25.9 [7.59] 20.1 [5.89] 1.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	28.5 [8.35] 17.6 [5.16] 1.7	28.0 [8.21] 16.8 [4.92] 1.7	27.5 [8.06] 16.0 [4.69] 1.7	27.2 [7.97] 20.4 [5.98] 1.7	26.7 [7.83] 19.5 [5.71] 1.7	26.2 [7.68] 18.6 [5.45] 1.7	26.2 [7.68] 21.7 [6.36] 1.7	25.7 [7.53] 20.7 [6.07] 1.7	25.2 [7.39] 19.7 [5.77] 1.7
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	27.5 [8.06] 17.1 [5.01] 1.8	27.0 [7.91] 16.3 [4.78] 1.8	26.5 [7.77] 15.6 [4.57] 1.8	26.1 [7.65] 19.9 [5.83] 1.8	25.7 [7.53] 19.0 [5.57] 1.8	25.2 [7.39] 18.1 [5.30] 1.8	25.2 [7.39] 21.2 [6.21] 1.8	24.7 [7.24] 20.2 [5.92] 1.8	24.3 [7.12] 19.3 [5.66] 1.8
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	26.2 [7.68] 16.5 [4.84] 1.9	25.8 [7.56] 15.8 [4.63] 1.9	25.3 [7.41] 15.0 [4.40] 1.9	24.9 [7.30] 19.3 [5.66] 1.9	24.5 [7.18] 18.5 [5.42] 1.9	24.0 [7.03] 17.6 [5.16] 1.9	23.9 [7.00] 20.6 [6.04] 1.9	23.5 [6.89] 19.7 [5.77] 1.9	23.1 [6.77] 18.8 [5.51] 1.9
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	24.9 [7.30] 15.9 [4.66] 2.0	24.4 [7.15] 15.2 [4.45] 2.0	24.0 [7.03] 14.5 [4.25] 2.0	23.5 [6.89] 18.7 [5.48] 2.0	23.1 [6.77] 17.9 [5.25] 2.0	22.7 [6.65] 17.0 [4.98] 2.0	22.5 [6.59] 20.0 [5.86] 2.0	22.1 [6.48] 19.1 [5.60] 2.0	21.7 [6.36] 18.2 [5.33] 2.0
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	23.5 [6.89] 15.2 [4.45] 2.1	23.1 [6.77] 14.5 [4.25] 2.1	22.7 [6.65] 13.9 [4.07] 2.1	22.2 [6.51] 18.0 [5.28] 2.1	21.8 [6.39] 17.2 [5.04] 2.1	21.4 [6.27] 16.4 [4.81] 2.1	21.2 [6.21] 19.3 [5.66] 2.1	20.8 [6.10] 18.5 [5.42] 2.1	20.4 [5.98] 17.6 [5.16] 2.1
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	22.2 [6.51] 14.6 [4.28] 2.2	21.8 [6.39] 14.0 [4.10] 2.2	21.4 [6.27] 13.3 [3.90] 2.2	20.9 [6.13] 17.4 [5.10] 2.2	20.5 [6.01] 16.7 [4.89] 2.2	20.1 [5.89] 15.9 [4.66] 2.2	19.9 [5.83] 18.7 [5.48] 2.2	19.5 [5.71] 17.9 [5.25] 2.2	19.2 [5.63] 17.0 [4.98] 2.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	21.1 [6.18] 14.0 [4.10] 2.3	20.7 [6.07] 13.4 [3.93] 2.3	20.3 [5.95] 12.8 [3.75] 2.3	19.8 [5.80] 16.9 [4.95] 2.3	19.4 [5.69] 16.1 [4.72] 2.3	19.0 [5.57] 15.4 [4.51] 2.3	18.8 [5.51] 18.1 [5.30] 2.3	18.4 [5.39] 17.3 [5.07] 2.3	18.1 [5.30] 16.5 [4.84] 2.3

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

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

**NOTES:**

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

## HEATING PERFORMANCE DATA—RQNL-024

IDB		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
CFM [L/s]		880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	880 [415]	800 [378]	720 [340]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	8.3 [2.43] 1.4	8.3 [2.43] 1.4	8.2 [2.40] 1.4	7.4 [2.17] 1.6	7.4 [2.17] 1.6	7.3 [2.14] 1.6	6.0 [1.76] 1.8	6.0 [1.76] 1.8	5.9 [1.73] 1.9
	5 [-15]	Total BTUH [kW] Power	10.0 [2.93] 1.4	9.9 [2.90] 1.4	9.8 [2.87] 1.4	9.1 [2.67] 1.6	9.0 [2.64] 1.6	9.0 [2.64] 1.6	7.6 [2.23] 1.8	7.6 [2.23] 1.8	7.5 [2.20] 1.9
	10 [-12.2]	Total BTUH [kW] Power	11.6 [3.40] 1.4	11.5 [3.37] 1.4	11.4 [3.34] 1.5	10.7 [3.14] 1.6	10.6 [3.11] 1.6	10.6 [3.11] 1.6	9.3 [2.73] 1.8	9.2 [2.70] 1.9	9.1 [2.67] 1.9
	15 [-9.4]	Total BTUH [kW] Power	13.2 [3.87] 1.4	13.1 [3.84] 1.5	13.0 [3.81] 1.5	12.3 [3.60] 1.6	12.3 [3.60] 1.6	12.2 [3.58] 1.7	10.9 [3.19] 1.9	10.8 [3.17] 1.9	10.8 [3.17] 1.9
	20 [-6.7]	Total BTUH [kW] Power	14.9 [4.37] 1.5	14.8 [4.34] 1.5	14.7 [4.31] 1.5	14.0 [4.10] 1.6	13.9 [4.07] 1.7	13.8 [4.04] 1.7	12.5 [3.66] 1.9	12.5 [3.66] 1.9	12.4 [3.63] 1.9
	25 [-3.9]	Total BTUH [kW] Power	16.5 [4.84] 1.5	16.4 [4.81] 1.5	16.3 [4.78] 1.5	15.6 [4.57] 1.7	15.5 [4.54] 1.7	15.4 [4.51] 1.7	14.2 [4.16] 1.9	14.1 [4.13] 1.9	14.0 [4.10] 2.0
	30 [-1.1]	Total BTUH [kW] Power	18.1 [5.30] 1.5	18.0 [5.28] 1.5	17.9 [5.25] 1.5	17.2 [5.04] 1.7	17.1 [5.01] 1.7	17.0 [4.98] 1.7	15.8 [4.63] 1.9	15.7 [4.60] 2.0	15.6 [4.57] 2.0
	35 [1.7]	Total BTUH [kW] Power	19.8 [5.80] 1.5	19.6 [5.74] 1.5	19.5 [5.71] 1.6	18.9 [5.54] 1.7	18.7 [5.48] 1.7	18.6 [5.45] 1.7	17.4 [5.10] 1.9	17.3 [5.07] 2.0	17.2 [5.04] 2.0
	40 [4.4]	Total BTUH [kW] Power	21.4 [6.27] 1.5	21.3 [6.24] 1.6	21.1 [6.18] 1.6	20.5 [6.01] 1.7	20.4 [5.98] 1.7	20.2 [5.92] 1.8	19.1 [5.60] 2.0	18.9 [5.54] 2.0	18.8 [5.51] 2.0
	45 [7.2]	Total BTUH [kW] Power	23.0 [6.74] 1.6	22.9 [6.71] 1.6	22.7 [6.65] 1.6	22.1 [6.48] 1.7	22.0 [6.45] 1.8	21.8 [6.39] 1.8	20.7 [6.07] 2.0	20.6 [6.04] 2.0	20.4 [5.98] 2.0
50 [10]	Total BTUH [kW] Power	24.7 [7.24] 1.6	24.5 [7.18] 1.6	24.3 [7.12] 1.6	23.8 [6.98] 1.8	23.6 [6.92] 1.8	23.4 [6.86] 1.8	22.3 [6.54] 2.0	22.2 [6.51] 2.0	22.0 [6.45] 2.1	

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions





## COOLING PERFORMANCE DATA—RQNL-030

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

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

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions





## 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 x CFM x (1 – DR) x (dbE – 80)].

## HEATING PERFORMANCE DATA—RQNL-036

IDB		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
CFM [L/s]		1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] 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											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	
DR ①		.17	.15	.14	.17	.15	.14	.17	.15	.14	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] 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

IDB		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
CFM [L/s]		1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] 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											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	
DR ①		.15			.13			.11			
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] 3.2	58.3 [17.09] 34.1 [9.99] 3.2	57.1 [16.73] 42.7 [12.51] 3.2	56.1 [16.44] 40.8 [11.96] 3.2	55.0 [16.12] 38.9 [11.40] 3.1	54.5 [15.97] 45.0 [13.19] 3.2	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] 3.4	56.7 [16.62] 33.3 [9.76] 3.3	55.5 [16.27] 41.9 [12.28] 3.4	54.5 [15.97] 40.0 [11.72] 3.4	53.5 [15.68] 38.2 [11.20] 3.3	52.9 [15.50] 44.2 [12.95] 3.4	51.9 [15.21] 42.2 [12.37] 3.3	51.0 [14.95] 40.3 [11.81] 3.3
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	57.0 [16.71] 35.7 [10.46] 3.6	56.0 [16.41] 34.1 [9.99] 3.6	55.0 [16.12] 32.5 [9.52] 3.5	53.7 [15.74] 41.0 [12.02] 3.6	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] 3.5
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	55.1 [16.15] 34.8 [10.20] 3.8	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] 3.8	50.8 [14.89] 38.3 [11.22] 3.7	49.9 [14.62] 36.5 [10.70] 3.7	49.1 [14.39] 42.4 [12.43] 3.7	48.3 [14.16] 40.5 [11.87] 3.7	47.4 [13.89] 38.6 [11.31] 3.7
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	53.1 [15.56] 33.8 [9.91] 4.0	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] 3.9	47.2 [13.83] 41.4 [12.13] 3.9	46.3 [13.57] 39.6 [11.61] 3.9	45.5 [13.33] 37.7 [11.05] 3.9
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	51.1 [14.98] 32.9 [9.64] 4.2	50.2 [14.71] 31.4 [9.20] 4.1	49.3 [14.45] 29.9 [8.76] 4.1	47.8 [14.01] 38.2 [11.20] 4.1	46.9 [13.75] 36.5 [10.70] 4.1	46.1 [13.51] 34.8 [10.20] 4.1	45.2 [13.25] 40.5 [11.87] 4.1	44.4 [13.01] 38.7 [11.34] 4.1	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] 4.3	46.0 [13.48] 37.3 [10.93] 4.3	45.1 [13.22] 35.7 [10.46] 4.3	44.3 [12.98] 34.0 [9.96] 4.2	43.4 [12.72] 39.6 [11.61] 4.3	42.6 [12.48] 37.9 [11.11] 4.3	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] 4.5	45.9 [13.45] 28.5 [8.35] 4.5	44.3 [12.98] 36.6 [10.73] 4.5	43.5 [12.75] 34.9 [10.23] 4.5	42.7 [12.51] 33.3 [9.76] 4.4	41.7 [12.22] 38.9 [11.40] 4.5	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] 4.7	44.6 [13.07] 27.9 [8.18] 4.6	43.0 [12.60] 36.0 [10.55] 4.7	42.2 [12.37] 34.4 [10.08] 4.7	41.4 [12.13] 32.8 [9.61] 4.6	40.4 [11.84] 38.3 [11.22] 4.7	39.6 [11.61] 36.6 [10.73] 4.6	38.9 [11.40] 34.8 [10.20] 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  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

## 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] 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





## COOLING PERFORMANCE DATA—RQPL-024

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

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

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

**NOTES:**

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

## HEATING PERFORMANCE DATA—RQPL-024

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

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions





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

## HEATING PERFORMANCE DATA—RQPL-025

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

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions





## 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									
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] 2.2	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  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

## HEATING PERFORMANCE DATA—RQPL-030

		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





## 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] Sens BTUH [kW] Power	45.0 [13.19] 27.7 [8.12] 2.3	44.2 [12.95] 26.5 [7.77] 2.2	43.4 [12.72] 25.3 [7.41] 2.2	42.9 [12.57] 31.8 [9.32] 2.2	42.2 [12.37] 30.4 [8.91] 2.2	41.4 [12.13] 28.9 [8.47] 2.2	41.8 [12.25] 34.2 [10.02] 2.2	41.0 [12.02] 32.6 [9.55] 2.2	40.3 [11.81] 31.1 [9.11] 2.2
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	43.9 [12.87] 27.1 [7.94] 2.4	43.1 [12.63] 25.9 [7.59] 2.4	42.3 [12.40] 24.7 [7.24] 2.4	41.8 [12.25] 31.2 [9.14] 2.4	41.1 [12.05] 29.8 [8.73] 2.4	40.3 [11.81] 28.4 [8.32] 2.3	40.7 [11.93] 33.5 [9.82] 2.4	39.9 [11.69] 32.0 [9.38] 2.3	39.2 [11.49] 30.5 [8.94] 2.3
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	42.6 [12.48] 26.5 [7.77] 2.5	41.8 [12.25] 25.3 [7.41] 2.5	41.0 [12.02] 24.1 [7.06] 2.5	40.5 [11.87] 30.5 [8.94] 2.5	39.8 [11.66] 29.1 [8.53] 2.5	39.1 [11.46] 27.8 [8.15] 2.5	39.4 [11.55] 32.9 [9.64] 2.5	38.7 [11.34] 31.4 [9.20] 2.5	37.9 [11.11] 29.9 [8.76] 2.5
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	41.1 [12.05] 25.7 [7.53] 2.7	40.3 [11.81] 24.6 [7.21] 2.7	39.6 [11.61] 23.5 [6.89] 2.6	39.0 [11.43] 29.8 [8.73] 2.7	38.3 [11.22] 28.5 [8.35] 2.6	37.6 [11.02] 27.1 [7.94] 2.6	37.9 [11.11] 32.2 [9.44] 2.6	37.2 [10.90] 30.7 [9.00] 2.6	36.5 [10.70] 29.3 [8.59] 2.6
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	39.5 [11.58] 25.0 [7.33] 2.8	38.8 [11.37] 23.9 [7.00] 2.8	38.1 [11.17] 22.8 [6.68] 2.8	37.4 [10.96] 29.1 [8.53] 2.8	36.8 [10.79] 27.8 [8.15] 2.8	36.1 [10.58] 26.5 [7.77] 2.8	36.3 [10.64] 31.4 [9.20] 2.8	35.6 [10.43] 30.0 [8.79] 2.8	35.0 [10.26] 28.6 [8.38] 2.7
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	37.8 [11.08] 24.2 [7.09] 3.0	37.1 [10.87] 23.2 [6.80] 2.9	36.5 [10.70] 22.1 [6.48] 2.9	35.8 [10.49] 28.3 [8.29] 2.9	35.1 [10.29] 27.0 [7.91] 2.9	34.5 [10.11] 25.8 [7.56] 2.9	34.6 [10.14] 30.7 [9.00] 2.9	34.0 [9.96] 29.3 [8.59] 2.9	33.4 [9.79] 27.9 [8.18] 2.9
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	36.1 [10.58] 23.4 [6.86] 3.1	35.5 [10.40] 22.4 [6.56] 3.1	34.8 [10.20] 21.3 [6.24] 3.1	34.1 [9.99] 27.5 [8.06] 3.1	33.5 [9.82] 26.3 [7.71] 3.1	32.8 [9.61] 25.0 [7.33] 3.0	32.9 [9.64] 29.9 [8.76] 3.1	32.3 [9.47] 28.5 [8.35] 3.0	31.7 [9.29] 27.2 [7.97] 3.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	34.4 [10.08] 22.6 [6.62] 3.3	33.8 [9.91] 21.6 [6.33] 3.2	33.2 [9.73] 20.6 [6.04] 3.2	32.4 [9.50] 26.7 [7.83] 3.2	31.8 [9.32] 25.5 [7.47] 3.2	31.2 [9.14] 24.3 [7.12] 3.2	31.2 [9.14] 29.0 [8.50] 3.2	30.7 [9.00] 27.7 [8.12] 3.2	30.1 [8.82] 26.4 [7.74] 3.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	32.8 [9.61] 21.8 [6.39] 3.4	32.2 [9.44] 20.8 [6.10] 3.4	31.7 [9.29] 19.8 [5.80] 3.3	30.8 [9.03] 25.8 [7.56] 3.4	30.2 [8.85] 24.7 [7.24] 3.3	29.7 [8.70] 23.5 [6.89] 3.3	29.6 [8.67] 28.2 [8.26] 3.4	29.1 [8.53] 26.9 [7.88] 3.3	28.6 [8.38] 25.7 [7.53] 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

IDB		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
CFM [L/s]		1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	11.7 [3.43] 1.8	11.6 [3.40] 1.9	11.5 [3.37] 1.9	9.6 [2.81] 2.1	9.6 [2.81] 2.1	9.5 [2.78] 2.1	8.3 [2.43] 2.4	8.2 [2.40] 2.4	8.1 [2.37] 2.4
	5 [-15]	Total BTUH [kW] Power	14.1 [4.13] 1.9	14.0 [4.10] 1.9	13.9 [4.07] 1.9	12.1 [3.55] 2.1	12.0 [3.52] 2.2	11.9 [3.49] 2.2	10.7 [3.14] 2.4	10.6 [3.11] 2.5	10.6 [3.11] 2.5
	10 [-12.2]	Total BTUH [kW] Power	16.6 [4.86] 1.9	16.5 [4.84] 1.9	16.3 [4.78] 2.0	14.5 [4.25] 2.2	14.4 [4.22] 2.2	14.3 [4.19] 2.2	13.2 [3.87] 2.5	13.1 [3.84] 2.5	13.0 [3.81] 2.5
	15 [-9.4]	Total BTUH [kW] Power	19.0 [5.57] 2.0	18.9 [5.54] 2.0	18.8 [5.51] 2.0	17.0 [4.98] 2.2	16.9 [4.95] 2.2	16.7 [4.89] 2.3	15.6 [4.57] 2.5	15.5 [4.54] 2.5	15.4 [4.51] 2.6
	20 [-6.7]	Total BTUH [kW] Power	21.5 [6.30] 2.0	21.3 [6.24] 2.0	21.2 [6.21] 2.1	19.4 [5.69] 2.3	19.3 [5.66] 2.3	19.2 [5.63] 2.3	18.1 [5.30] 2.5	17.9 [5.25] 2.6	17.8 [5.22] 2.6
	25 [-3.9]	Total BTUH [kW] Power	23.9 [7.00] 2.0	23.8 [6.98] 2.1	23.6 [6.92] 2.1	21.9 [6.42] 2.3	21.7 [6.36] 2.3	21.6 [6.33] 2.4	20.5 [6.01] 2.6	20.4 [5.98] 2.6	20.2 [5.92] 2.7
	30 [-1.1]	Total BTUH [kW] Power	26.4 [7.74] 2.1	26.2 [7.68] 2.1	26.0 [7.62] 2.1	24.3 [7.12] 2.3	24.2 [7.09] 2.4	24.0 [7.03] 2.4	23.0 [6.74] 2.6	22.8 [6.68] 2.7	22.6 [6.62] 2.7
	35 [1.7]	Total BTUH [kW] Power	28.8 [8.44] 2.1	28.6 [8.38] 2.1	28.4 [8.32] 2.2	26.8 [7.85] 2.4	26.6 [7.80] 2.4	26.4 [7.74] 2.4	25.4 [7.44] 2.7	25.2 [7.39] 2.7	25.1 [7.36] 2.7
	40 [4.4]	Total BTUH [kW] Power	31.3 [9.17] 2.2	31.1 [9.11] 2.2	30.8 [9.03] 2.2	29.2 [8.56] 2.4	29.0 [8.50] 2.4	28.8 [8.44] 2.5	27.9 [8.18] 2.7	27.7 [8.12] 2.7	27.5 [8.06] 2.8
	45 [7.2]	Total BTUH [kW] Power	33.7 [9.88] 2.2	33.5 [9.82] 2.2	33.3 [9.76] 2.3	31.7 [9.29] 2.5	31.5 [9.23] 2.5	31.2 [9.14] 2.5	30.3 [8.88] 2.8	30.1 [8.82] 2.8	29.9 [8.76] 2.8
50 [10]	Total BTUH [kW] Power	36.2 [10.61] 2.2	35.9 [10.52] 2.3	35.7 [10.46] 2.3	34.1 [9.99] 2.5	33.9 [9.94] 2.5	33.7 [9.88] 2.6	32.8 [9.61] 2.8	32.5 [9.52] 2.8	32.3 [9.47] 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									
		wbE	71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
		CFM [L/s]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]
		DR ①	.17	.15	.14	.17	.15	.14	.17	.15	.14
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] 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 x CFM x (1 - DR) x (dbE - 80)].

## HEATING PERFORMANCE DATA—RQPL-042

		IDB	60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
		CFM [L/s]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] 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





## COOLING PERFORMANCE DATA—RQPL-048

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

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

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

**NOTES:**

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

## HEATING PERFORMANCE DATA—RQPL-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





# 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 [.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)	Medium	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)	High	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)	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High	CFM	1222 [577]	1197 [565]	1179 [554]	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 [496/602 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	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 [496/602 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 [496/602 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 [496/602 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]	1200 [566]	1400 [661]	1600 [775]
Pressure Drop—Inches W.C. [kPa]	.00	.01 [.002]	.02 [.005]	.03 [.007]	.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 [ .02]	0.2 [ .05]	0.3 [ .07]	0.4 [ .10]	0.5 [ .12]	0.6 [ .15]	0.7 [ .17]	0.8 [ .20]		
2.0 [7.03]	High (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 [413/631 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 1/2 HP [372] 3 Speed (X13 Motor)	Low (Tap 1)	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	
3.5 [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	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	
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 1/2 HP [372] 3 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	
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Low (Tap 1)	CFM	1455 [687]	1431 [675]	1396 [659]	1360 [642]	1315 [621]	1285 [606]	1241 [586]	1185 [566]	
					RPM	824	856	889	918	968	1009	1041	1087	
					Watts	268	280	288	303	311	325	331	336	
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]	1285 [606]	
					RPM	870	893	932	968	1007	1036	1072	1115	
					Watts	321	327	338	351	364	371	381	460	
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]	1360 [637]	
					RPM	923	944	979	1013	1045	1077	1098	1155	
					Watts	390	401	412	425	433	440	432	460	
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]	1415 [666]	
					RPM	966	989	1018	1050	1078	1100	1115	1155	
					Watts	454	466	473	486	490	481	460	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 [ .005]	.05 [ .012]

[ ] 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]								
					0.1 [1.02]	0.2 [1.06]	0.3 [1.07]	0.4 [1.10]	0.5 [1.12]	0.6 [1.15]	0.7 [1.17]	0.8 [1.20]	
2.0 [7.03]	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]
					RPM	889	953	974	1018	1065	1101	1133	1156
					Watts	151	159	162	166	173	176	180	185
2.5 [8.79]	Low (Tap 1)	875 CFM/1125 CFM [413/631 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	High (Tap 2)	CFM	918 [433]	888 [419]	874 [412]	838 [395]	819 [387]	781 [369]	711 [336]	616 [291]
					RPM	953	988	1032	1060	1091	1126	1146	1157
					Watts	181	184	194	198	200	204	189	168
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	1076 [508]	1041 [491]	1017 [480]	970 [458]	928 [438]	882 [402]	785 [370]	745 [352]
					RPM	715	753	787	825	877	946	1005	1032
					Watts	144	148	157	169	175	187	198	202
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	1187 [560]	1124 [530]	1096 [517]	1071 [505]	1024 [483]	987 [466]	896 [423]	852 [402]
					RPM	762	799	832	859	914	940	1021	1059
					Watts	176	182	191	196	209	212	227	235
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 3)	CFM	1271 [600]	1223 [577]	1169 [552]	1137 [537]	1104 [521]	1071 [505]	1015 [479]	934 [441]
					RPM	797	836	878	905	939	974	1026	1089
					Watts	212	217	227	231	241	247	257	270
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	1258 [594]	1215 [573]	1200 [566]	1160 [547]	1130 [533]	1082 [511]	1026 [484]	954 [450]
					RPM	802	829	861	894	933	971	1020	1077
					Watts	210	217	225	230	239	245	259	268
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)	Medium (Tap 2)	CFM	1336 [631]	1298 [613]	1259 [594]	1229 [580]	1198 [565]	1160 [547]	1116 [527]	1071 [505]
					RPM	821	867	903	920	957	993	1038	1071
					Watts	239	249	259	262	275	279	290	299
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	1416 [668]	1379 [651]	1342 [633]	1292 [610]	1275 [602]	1240 [585]	1200 [566]	1168 [551]
					RPM	874	898	933	962	993	1011	1060	1091
					Watts	285	290	299	304	314	322	328	337
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	1467 [692]	1439 [679]	1408 [665]	1360 [642]	1331 [628]	1287 [607]	1259 [594]	
					RPM	831	854	894	932	972	1005	1042	
					Watts	276	282	297	307	319	326	341	
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	1550 [732]	1520 [717]	1486 [701]	1449 [684]	1407 [664]	1382 [652]	1337 [631]	
					RPM	867	890	930	974	1003	1039	1073	
					Watts	317	323	339	355	362	377	385	
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	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	
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	1748 [825]	1718 [811]	1686 [796]	1647 [777]	1616 [778]	1543 [779]	1472 [780]	
					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]	1000 [472]	1600 [775]
Pressure Drop—Inches W.C. [kPa]	.00	.02 [.005]	.05 [.012]
		.03 [.007]	.07 [.017]

[ ] 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.



Unit Model Application	Electric Heater Kit Models
RQNL/RQPL-B024JK & RQPL-B025JK	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
RQNL/RQPL-B030JK	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
RQNL/RQPL-B036JK	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
	RXQJ-A15J (208-240 volt, 1-ph, 15kW)
RQNL/RQPL-B042JK	RXQJ-10J (208-240 volt, 1-ph, 10kW)
	RXQJ-15J (208-240 volt, 1-ph, 15kW)
RQNL/RQPL-B048JK	RXQJ-10J (208-240 volt, 1-ph, 10kW)
	RXQJ-15J (208-240 volt, 1-ph, 15kW)
RQNL/RQPL-B036CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
RQNL/RQPL-B042CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
RQNL/RQPL-B048CK	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

Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit										
Unit Model No. RQNL-	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. Ampacity @ 208-240 V	Over Current Protective Device Size @ 240 V		Min. Circuit Ampacity 208-240 V	Max. Fuse Size 208/240V	Min. Ckt. Ampacity 208/240V	Over Current Protective Device Size @ 208 V		Min. Circuit Ampacity 208-240 V	Max. Fuse Size 208/240V	Over Current Protective Device Size @ 240 V			
								Min./Max.	Min./Max.				Min./Max.	Min./Max.						
B024JK	No Heat A05J A10J	1 2	— 2	3.6/4.8 7.2/9.6	12.28/16.38 24.56/32.75	— 34.6/40.0	19/19 41/44 62/69	30/30 45/50 70/70	30/30 45/50 70/70	— — —	— 25/25 45/50	— — —	— — —	— — —	— — —	— — —	— — —	— — —		
B030JK	No Heat A05J A10J	1 2	— 2	3.6/4.8 7.2/9.6	12.28/16.38 24.56/32.75	— 34.6/40.0	22/22 43/47 65/72	35/35 50/50 70/80	35/35 50/50 70/80	— — —	— 25/25 45/50	— — —	— — —	— — —	— — —	— — —	— — —	— — —		
B036JK	No Heat A10J A15J	2 3	— 2	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	— 51.9/60.0	24/24 68/74 89/99	40/40 70/80 90/100	40/40 70/80 90/100	— — —	— 45/50 70/80	— — —	— — —	— — —	— — —	— — —	— — —	— — —		
B042JK	No Heat B10J B15J	2 3	— 2	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	— 51.9/60.0	33/33 77/83 98/108	50/50 80/90 100/110	50/50 80/90 100/110	— — —	— 45/50 70/80	— — —	— — —	— — —	— — —	— — —	— — —	— — —		
B048JK	No Heat B10J B15J	2 3	— 2	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	— 51.9/60.0	37/37 80/87 102/112	50/50 90/90 110/125	50/50 90/90 110/125	— — —	— 45/50 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. RQNL-	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. Ampacity @ 208-240 V	Over Current Protective Device Size @ 240 V		Min. Circuit Ampacity 208-240 V	Max. Fuse Size 208/240V	Min. Ckt. Ampacity 208-240 V	Over Current Protective Device Size @ 208 V		Min. Circuit Ampacity 208-240 V	Max. Fuse Size 208/240V	Over Current Protective Device Size @ 240 V			
								Min./Max.	Min./Max.				Min./Max.	Min./Max.						
B036CK	No Heat A10C A15C	3 3	— 3	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	— 30.1/34.7	17/17 42/45 54/60	25/25 45/45 60/60	25/25 45/45 60/60	— — —	— 25/30 40/45	— — —	— — —	— — —	— — —	— — —	— — —	— — —		
B042CK	No Heat A10C A15C	3 3	— 3	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	— 30.1/34.7	25/25 50/54 63/68	35/35 50/60 70/70	35/35 50/60 70/70	— — —	— 25/30 40/45	— — —	— — —	— — —	— — —	— — —	— — —	— — —		
B048CK	No Heat A10C A15C	3 3	— 3	7.2/9.6 10.8/14.4	24.56/32.75 36.84/49.13	— 30.1/34.7	26/26 51/55 63/69	35/35 60/60 70/70	35/35 60/60 70/70	— — —	— 25/30 40/45	— — —	— — —	— — —	— — —	— — —	— — —	— — —		

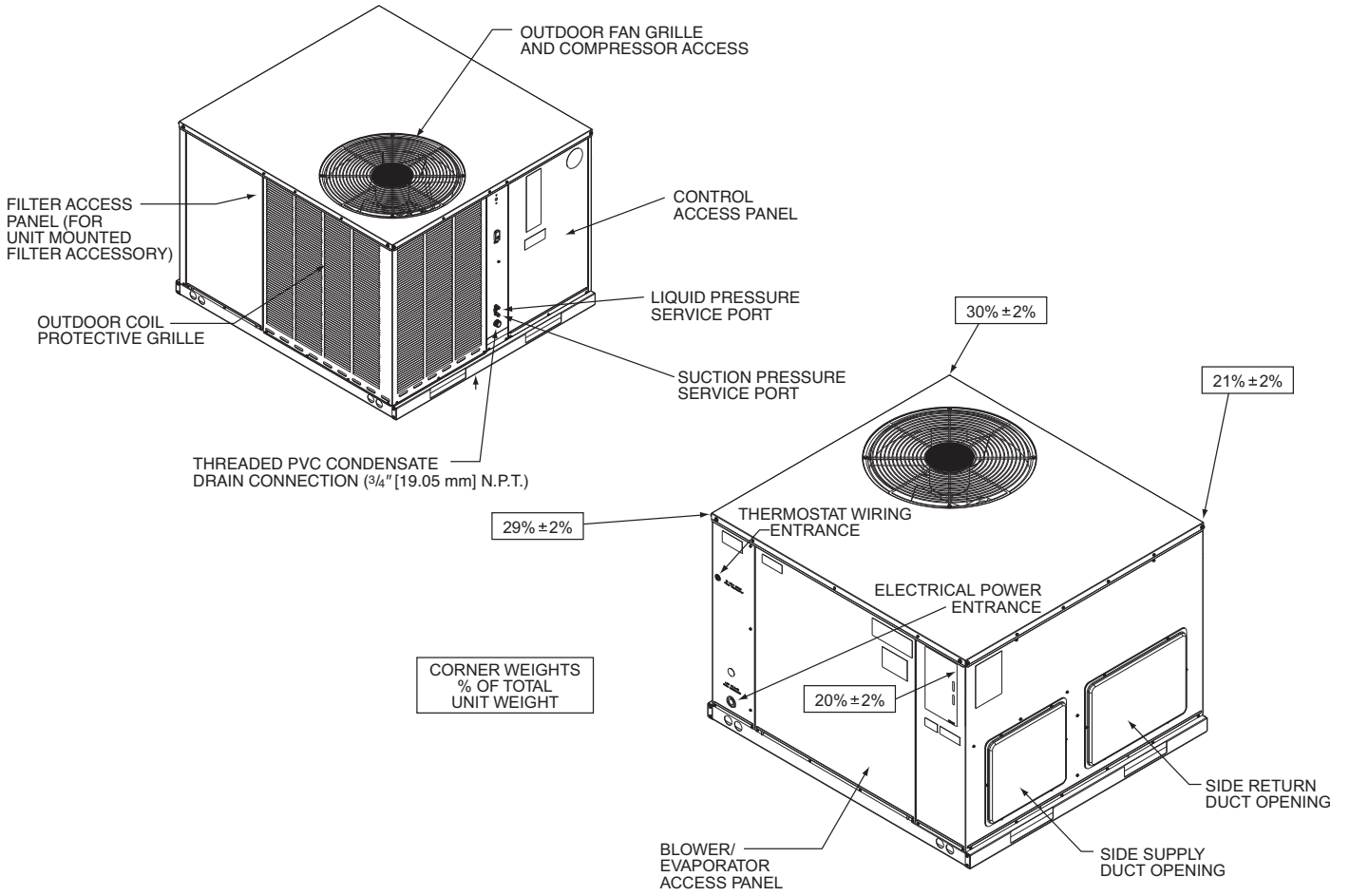


**208-240 VOLT, SINGLE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION**

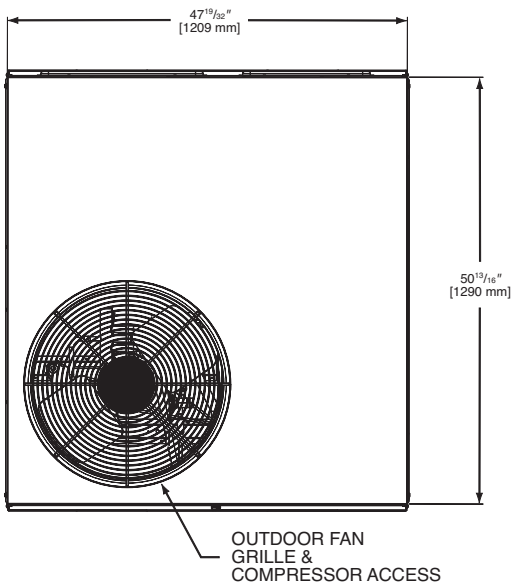
Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit						
Unit Model No. RQPL-	Heater Kit					Heat Pump					Heater Kit			Heat Pump		
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size Min./Max. @ 208 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. Circuit Ampacity 208-240 V	Max. Fuse Size 208/240V	Min. Ckt. Ampacity 208/240V	Over Current Protective Device Size Min./Max. @ 240 V
B024JK B025JK	No Heat	—	—	—	—	—	21/21	30/30	—	—	—	30/30	—	—	—	30/30
	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	42/46 64/71	50/50 70/80	22/25 44/50	25/25 45/50	—	—	—	—	—	—
B030JK	No Heat	—	—	—	—	—	24/24	35/35	—	—	—	35/35	—	—	—	35/35
	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	45/49 67/74	50/50 70/80	22/25 44/50	25/25 45/50	—	—	—	—	—	—
B036JK	No Heat	—	—	—	—	—	27/27	40/40	—	—	—	40/40	—	—	—	40/40
	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	70/77 92/102	70/80 100/110	44/50 65/75	45/50 70/80	—	—	—	—	—	—
B042JK	No Heat	—	—	—	—	—	33/33	50/50	—	—	—	50/50	—	—	—	50/50
	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	77/83 98/108	80/90 100/110	44/50 65/75	45/50 70/80	—	—	—	—	—	—
B048JK	No Heat	—	—	—	—	—	37/37	50/50	—	—	—	50/50	—	—	—	50/50
	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	80/87 102/112	90/90 110/125	44/50 65/75	45/50 70/80	—	—	—	—	—	—

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

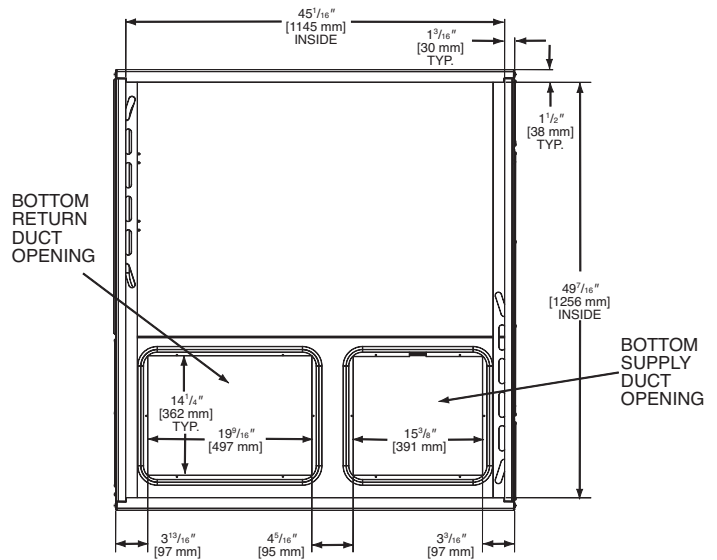
Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit						
Unit Model No. RQPL-	Heater Kit					Heat Pump					Heater Kit			Heat Pump		
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @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



**TOP VIEW**

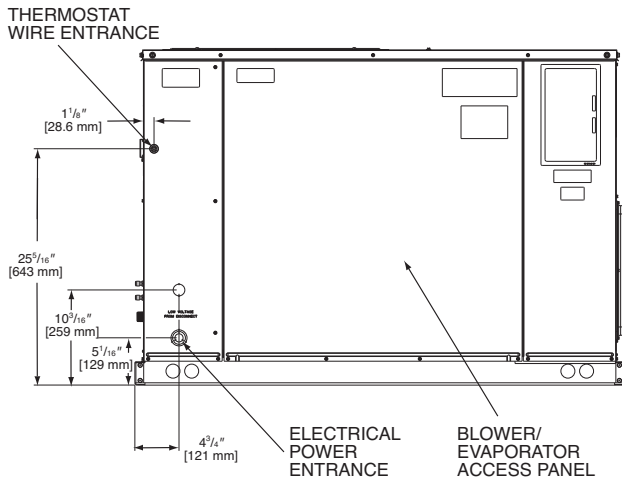


**BOTTOM VIEW**

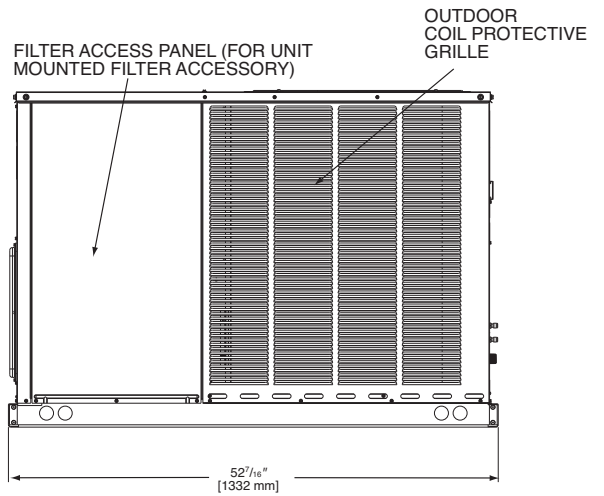


[ ] Designates Metric Conversions

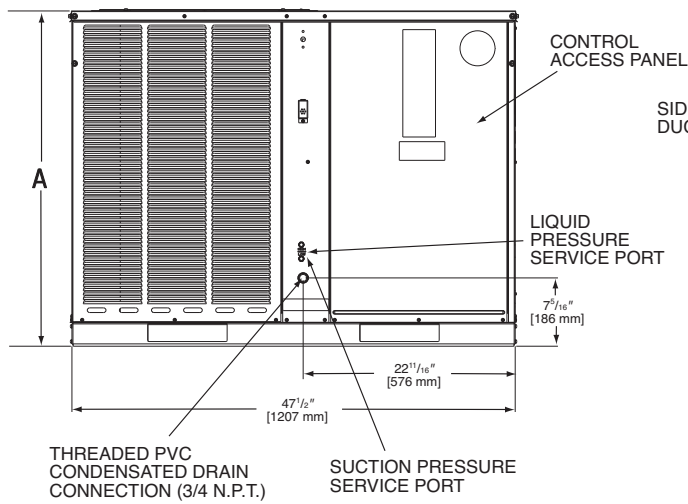
**SIDE VIEW**



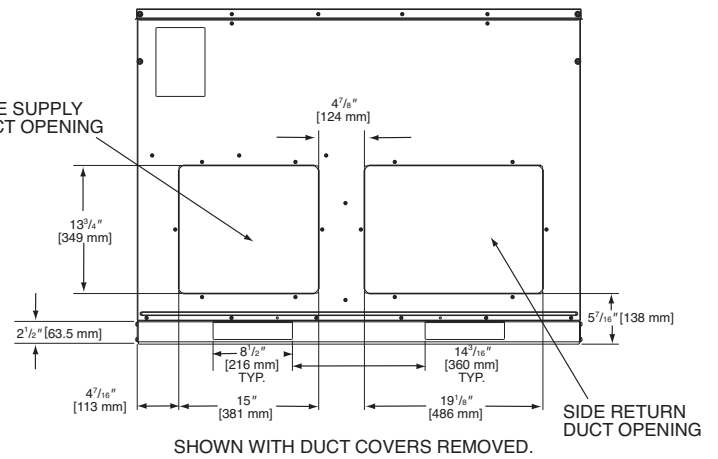
**SIDE VIEW**



**FRONT VIEW**



**BACK VIEW**

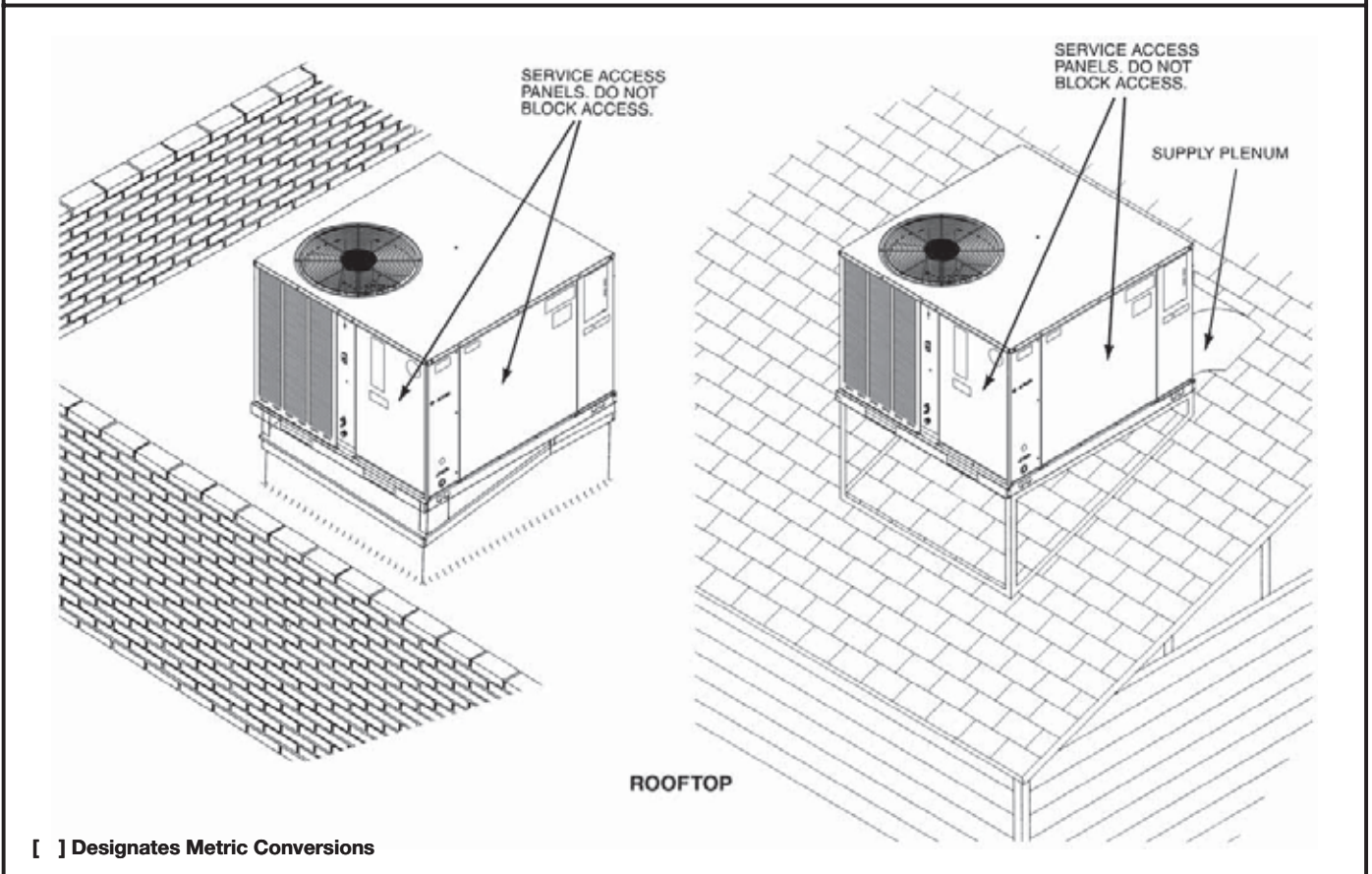
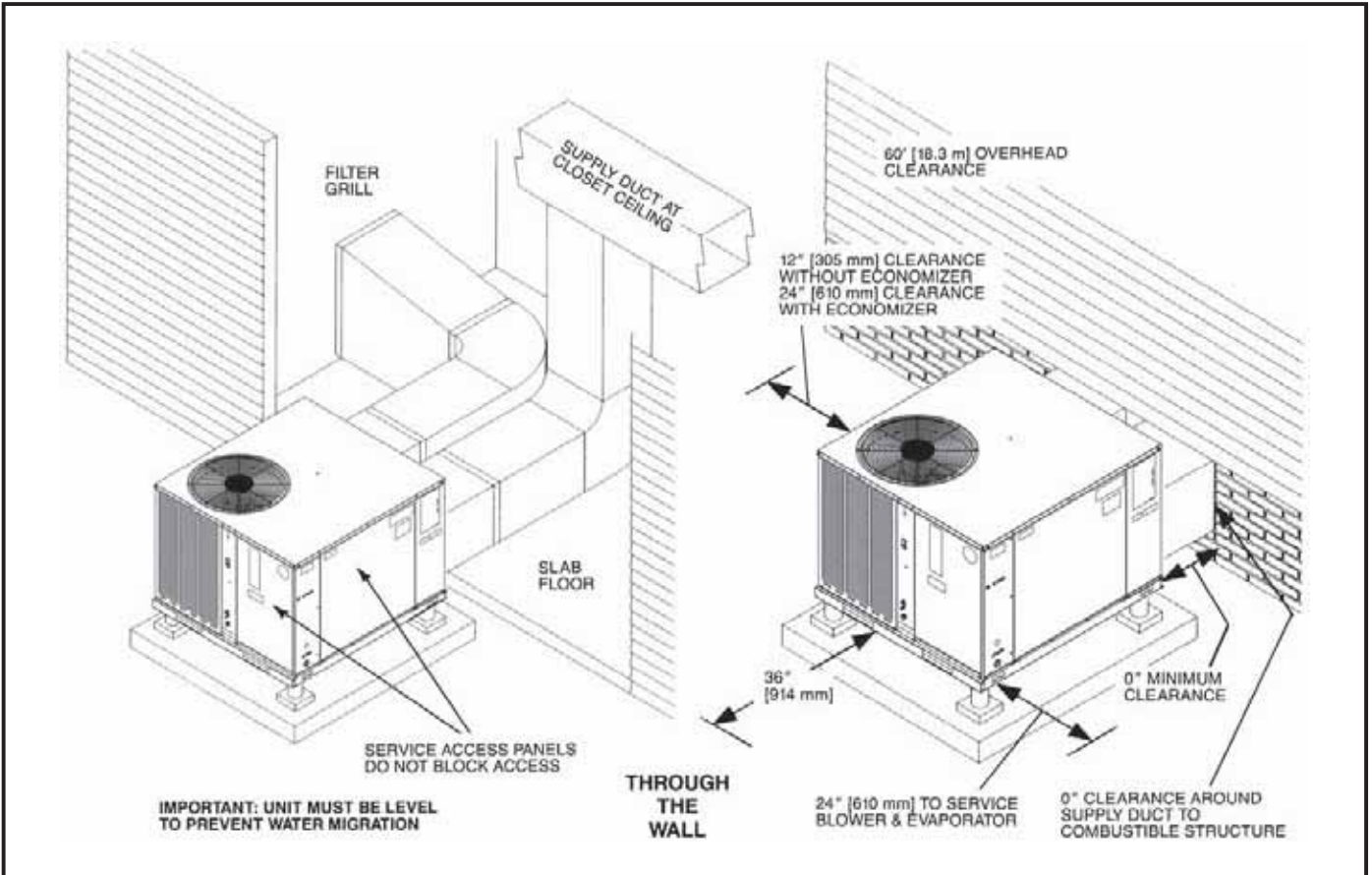


**IMPORTANT:**  
INSTALLATION MUST NOT INTERFERE WITH DRAINAGE OPENINGS IN BOTTOM OF UNIT UNDER OUTDOOR COIL.

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



[ ] Designates Metric Conversions

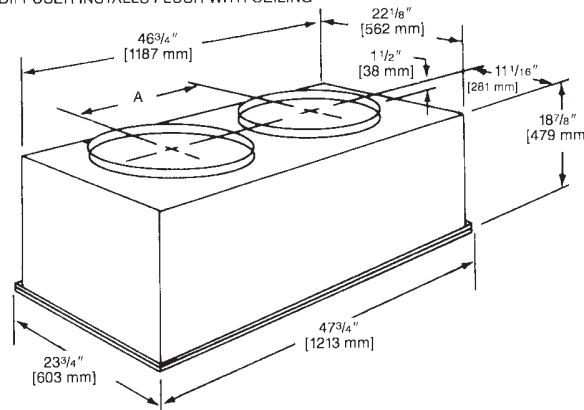
## ACCESSORY EQUIPMENT

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-	AXRE-CAA30 (3 Position) AXRD-CAM10 (Fully Modulating)
Economizers (Sideflow Only)	RQNL-/RQPL-	AXRD-CCM10 (Fully Modulating) AXRE-CCA30 (3 Position)
Fresh Air Damper	RQNL-/RQPL-	AXRF-FAB1 (Motorized-35%) AXRF-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-	AXMC-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



**200-Series \***  
Programmable



**300-Series \***  
Deluxe  
Programmable

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



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

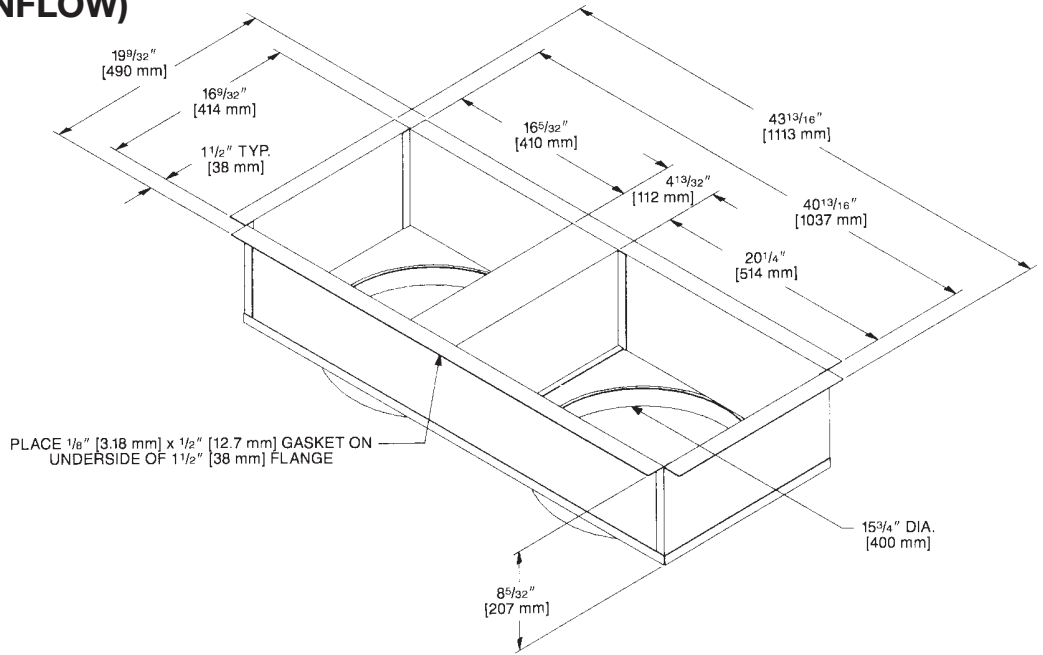
Brand	Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
RHC	TST	213	UN	MS
RHC=Rheem	TST=Thermostat	200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable 500=Communicating/ Programmable	GE=Gas/Electric UN=Universal (AC/HP/GE) MD=Modulating Furnace DF=Dual Fuel CM=Communicating	SS=Single-Stage MS=Multi-Stage

\* Photos are representative. Actual models may vary.

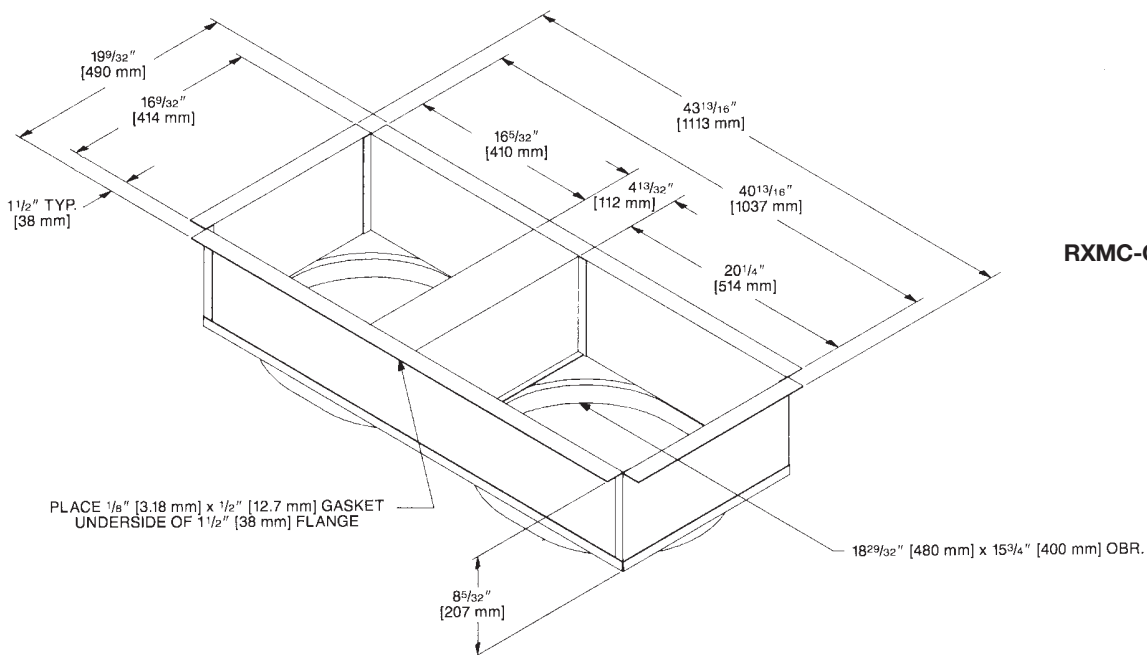
For detailed thermostat match-up information,  
see specification sheet form number T11-001.

# DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

**RXMC-CA02**



**RXMC-CA03**



[ ] Designates Metric Conversions

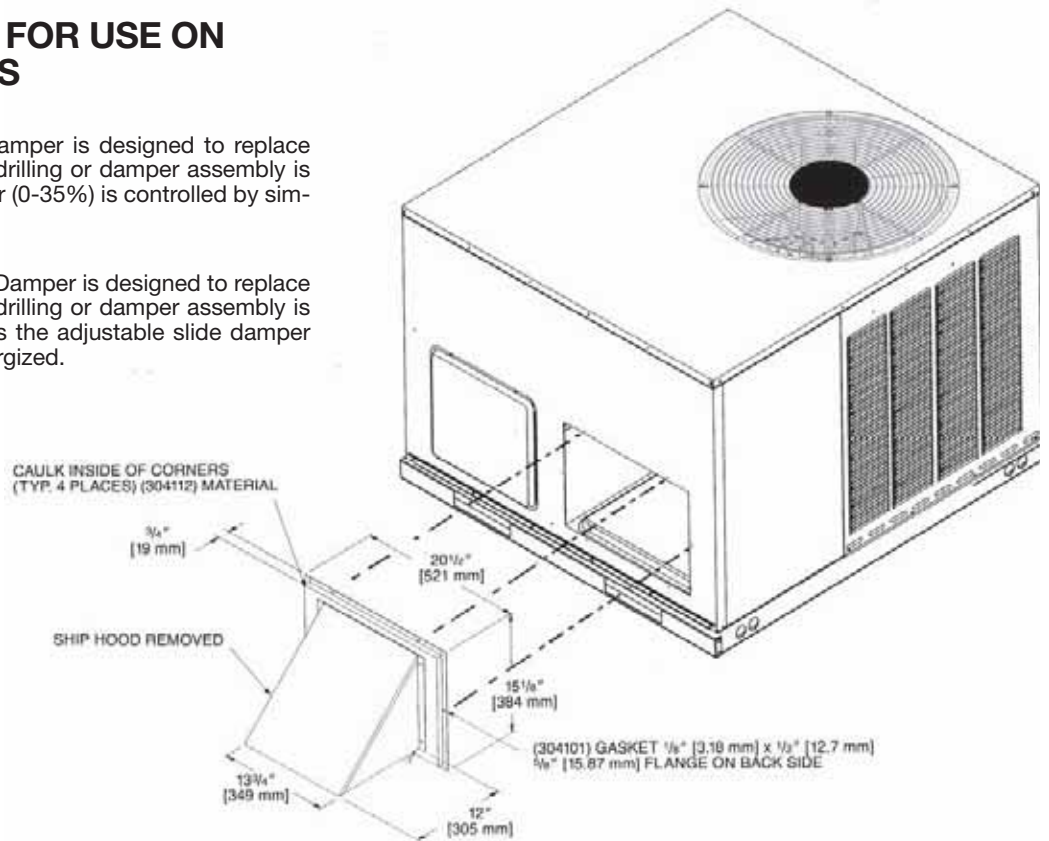
## FRESH AIR DAMPER FOR USE ON RQNL-/RQPL- SERIES

### AXRF-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.

### AXRF-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

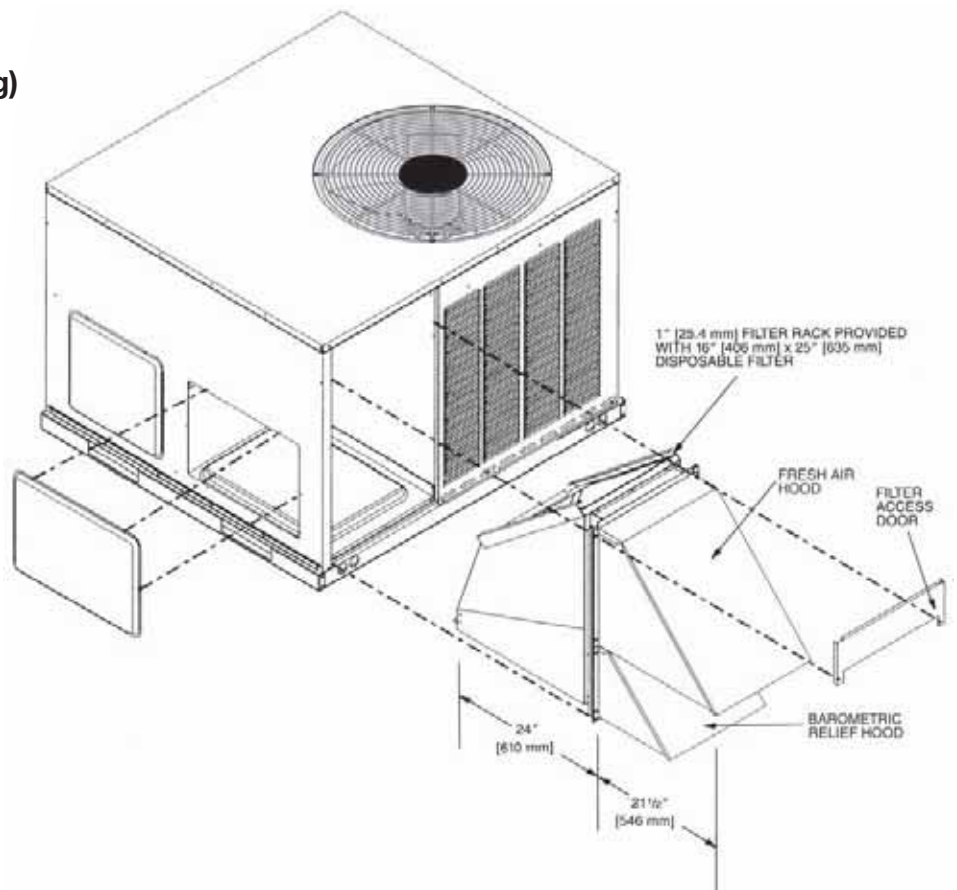
### AXRE-CAA30 (3 Position) and AXRD-CAM10 (Fully Modulating) RQNL-/RQPL- Series Downflow Application

#### AXRE-CAA30 (3 Position)

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

#### AXRD-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

### AXRD-CCM10 (Fully Modulating) and AXRE-CCA30 (3 Position) Horizontal Application

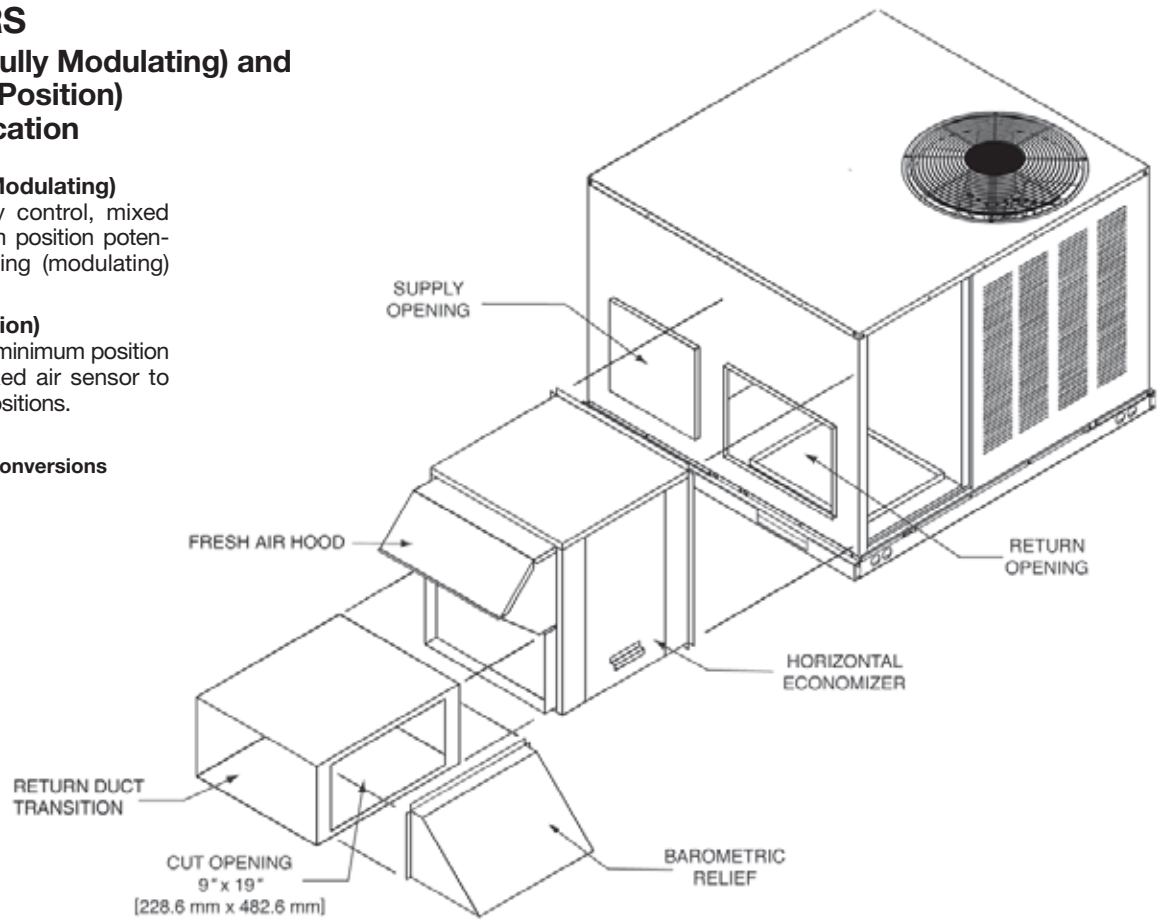
#### AXRD-CCM10 (Fully Modulating)

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

#### AXRE-CCA30 (3-Position)

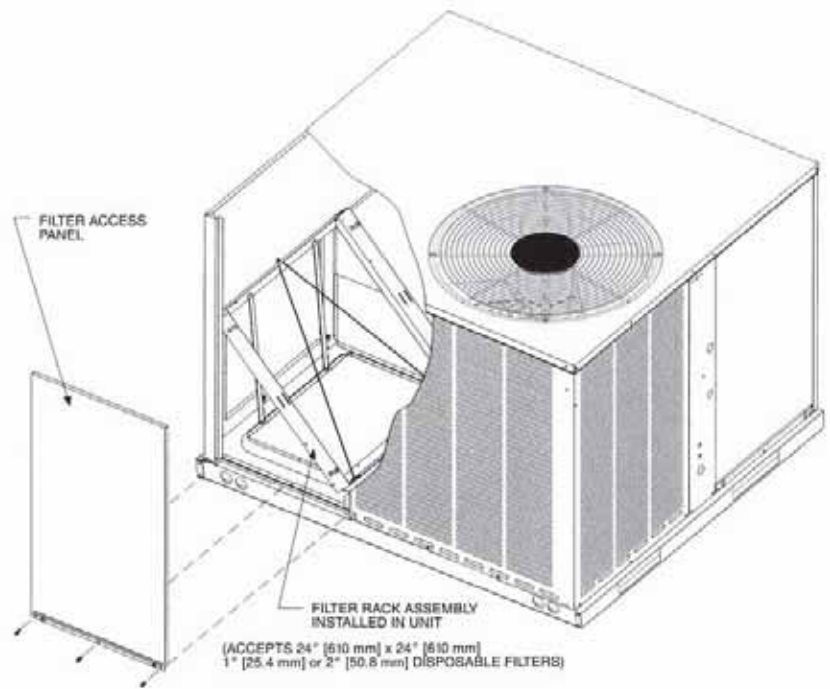
Has outdoor air sensor, minimum position potentiometer, and mixed air sensor to provide three damper positions.

[ ] 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]

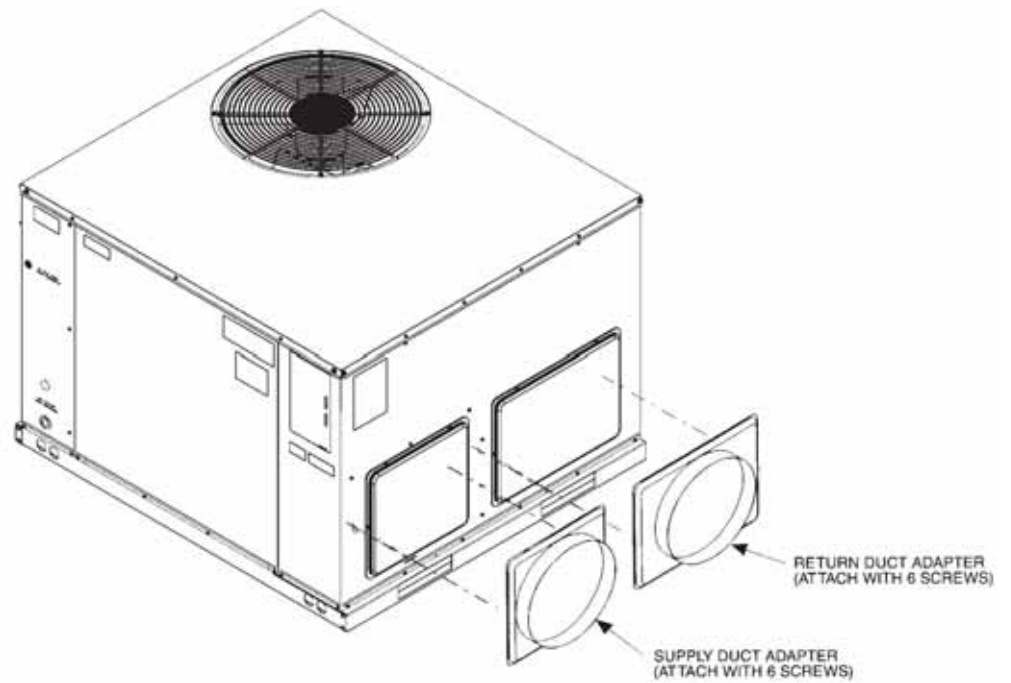
[ ] Designates Metric Conversions

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

## DUCT ADAPTER SIDEFLOW SQUARE TO ROUND TRANSITION AXMC-BA01

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

[ ] Designates Metric Conversions

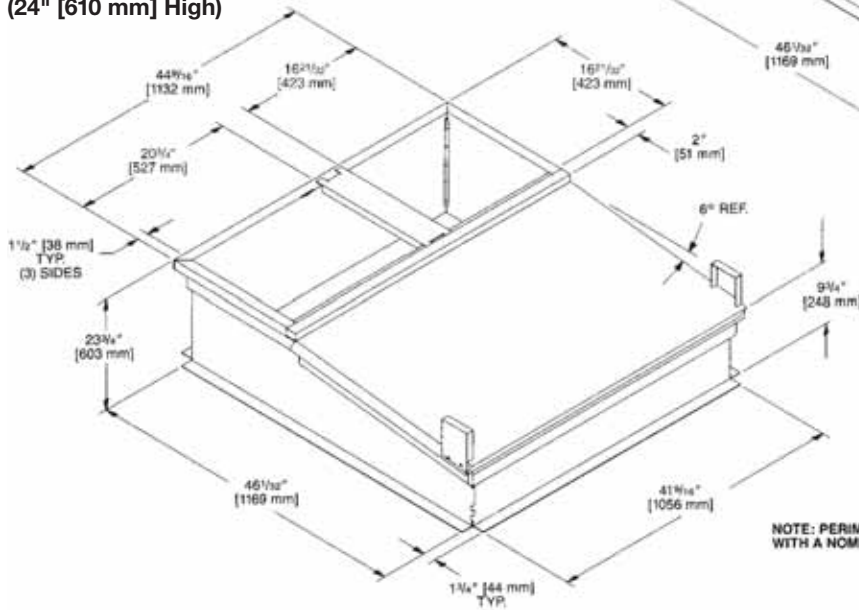


## Roofcurb (Sloped) RXQG-AAA14 & RXQG-AAA24 for RQNL-/RQPL- Series

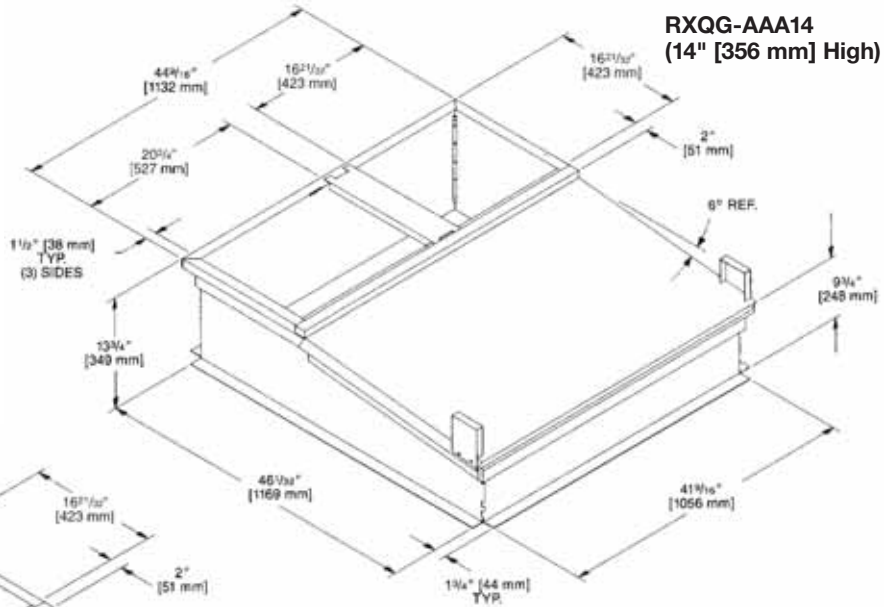
Note: Heat pump models must use sloped curbs.

Hinged corners make for fast, easy set-up.

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

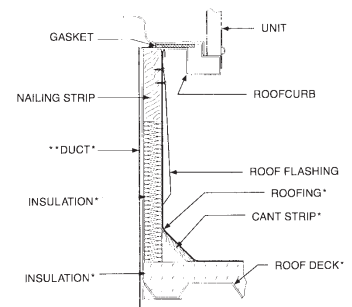
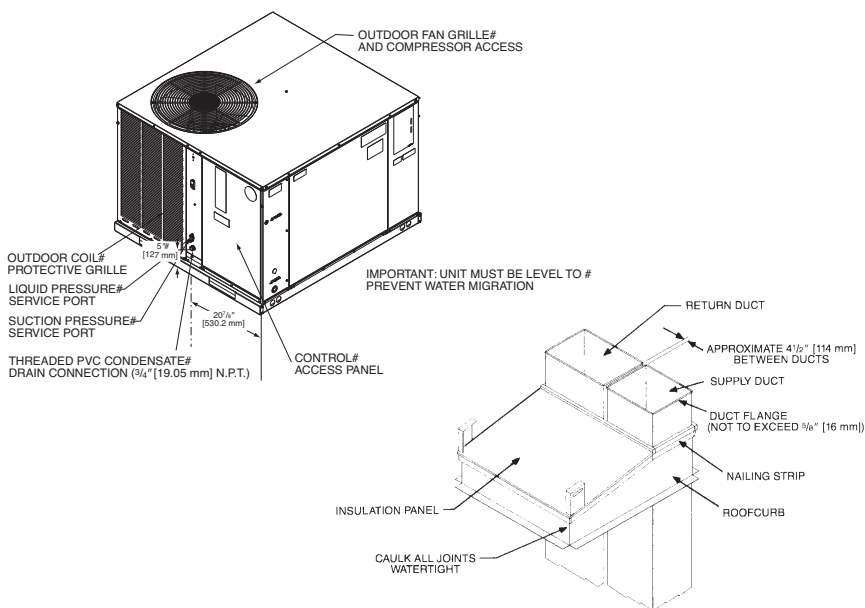


### RXQG-AAA14 (14" [356 mm] High)



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

## Packaged Heat Pump Roofcurb Installation (Sloped)

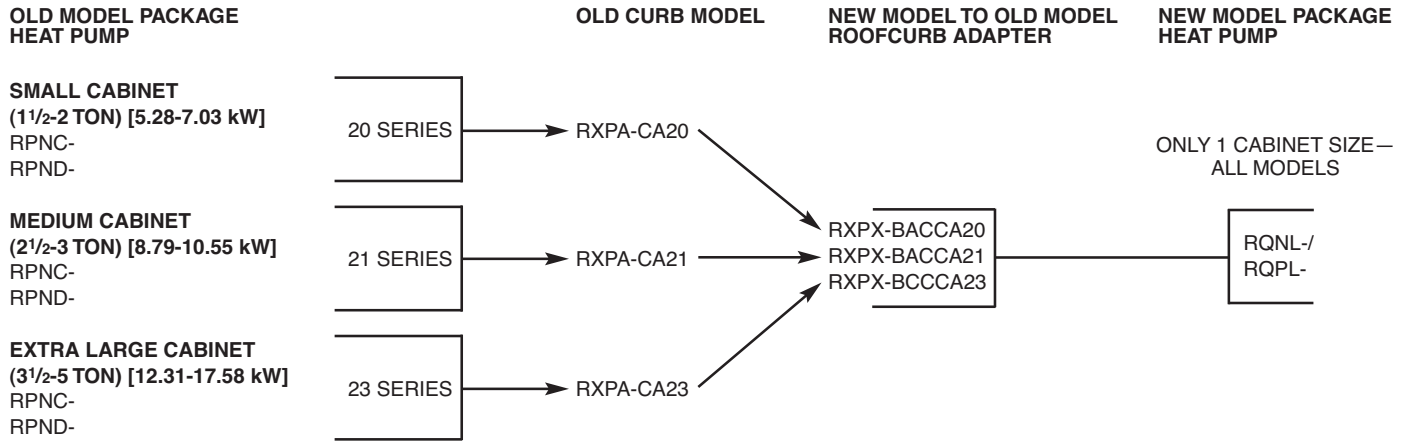


\*BY CONTRACTOR  
\*\*FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

[ ] Designates Metric Conversions

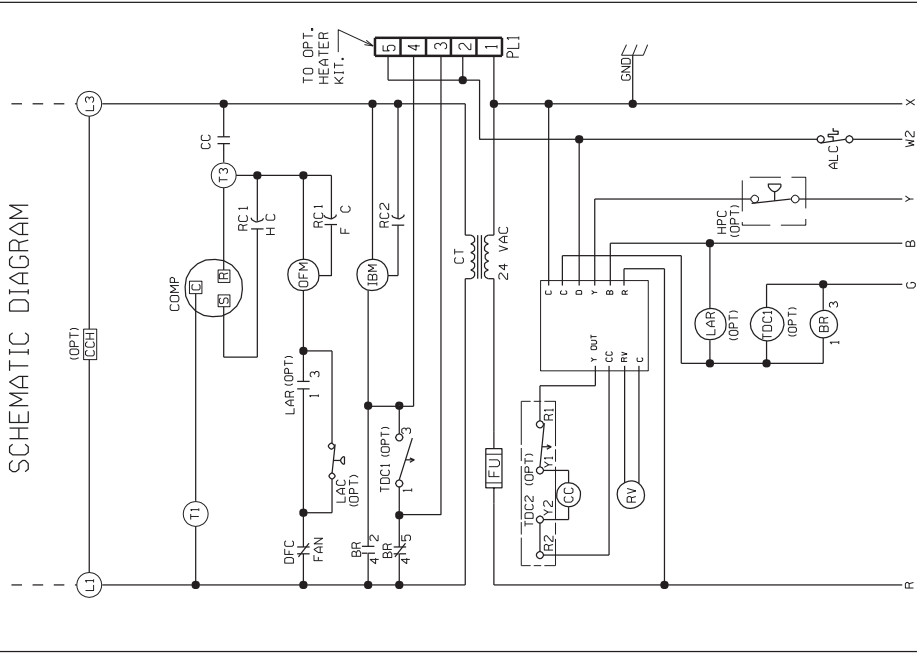
# ROOFCURB ADAPTERS

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



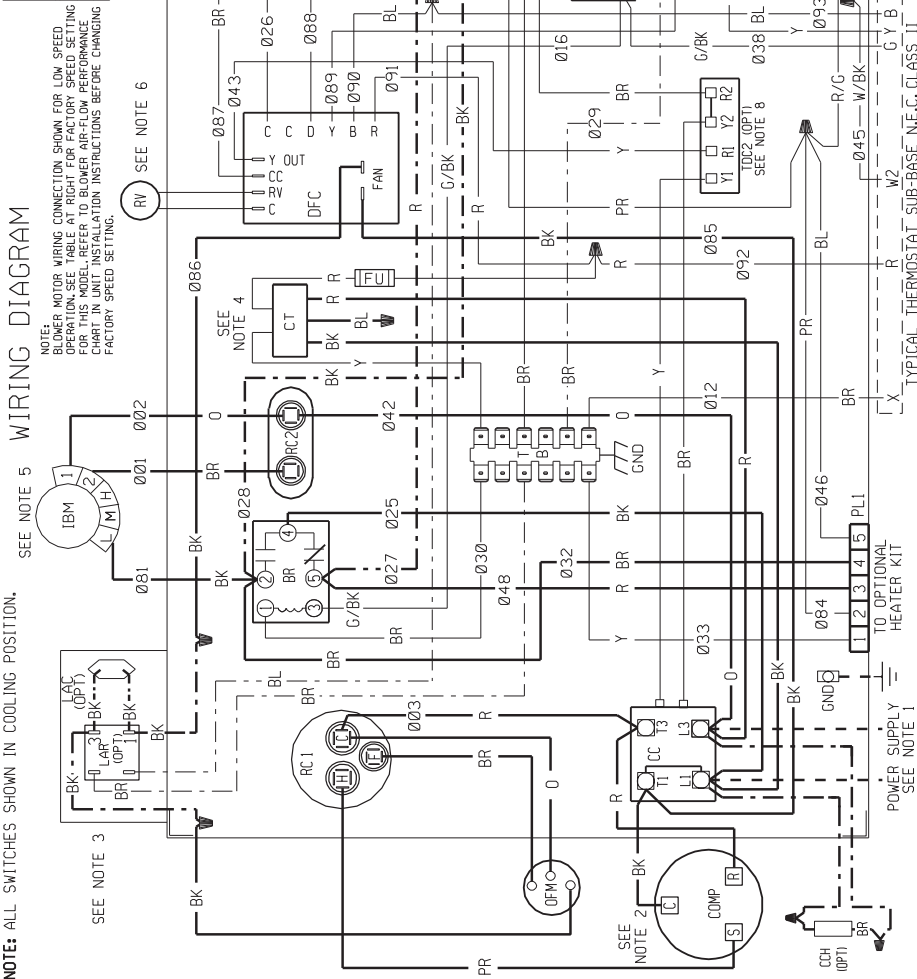
[ ] Designates Metric Conversions

**SCHEMATIC DIAGRAM**



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

**WIRING DIAGRAM**



**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

SEE NOTE 6

SEE NOTE 4

SEE NOTE 2

SEE NOTE 3

SEE NOTE 1

SEE NOTE 7

SEE NOTE 8

SEE NOTE 9

SEE NOTE 10

SEE NOTE 11

SEE NOTE 12

SEE NOTE 13

SEE NOTE 14

SEE NOTE 15

SEE NOTE 16

SEE NOTE 17

SEE NOTE 18

SEE NOTE 19

SEE NOTE 20

SEE NOTE 21

SEE NOTE 22

SEE NOTE 23

SEE NOTE 24

SEE NOTE 25

SEE NOTE 26

SEE NOTE 27

SEE NOTE 28

SEE NOTE 29

SEE NOTE 30

SEE NOTE 31

SEE NOTE 32

SEE NOTE 33

SEE NOTE 34

SEE NOTE 35

SEE NOTE 36

SEE NOTE 37

SEE NOTE 38

SEE NOTE 39

SEE NOTE 40

SEE NOTE 41

SEE NOTE 42

**WIRE COLOR CODE**

BK_	BLACK	GY_	GRAY	R_	RED
BR_	BROWN	O_	ORANGE	W_	WHITE
BL_	BLUE	PK_	PINK	Y_	YELLOW
G_	GREEN	PR_	PURPLE		

**WIRING INFORMATION**

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

**COMPONENT CODE**

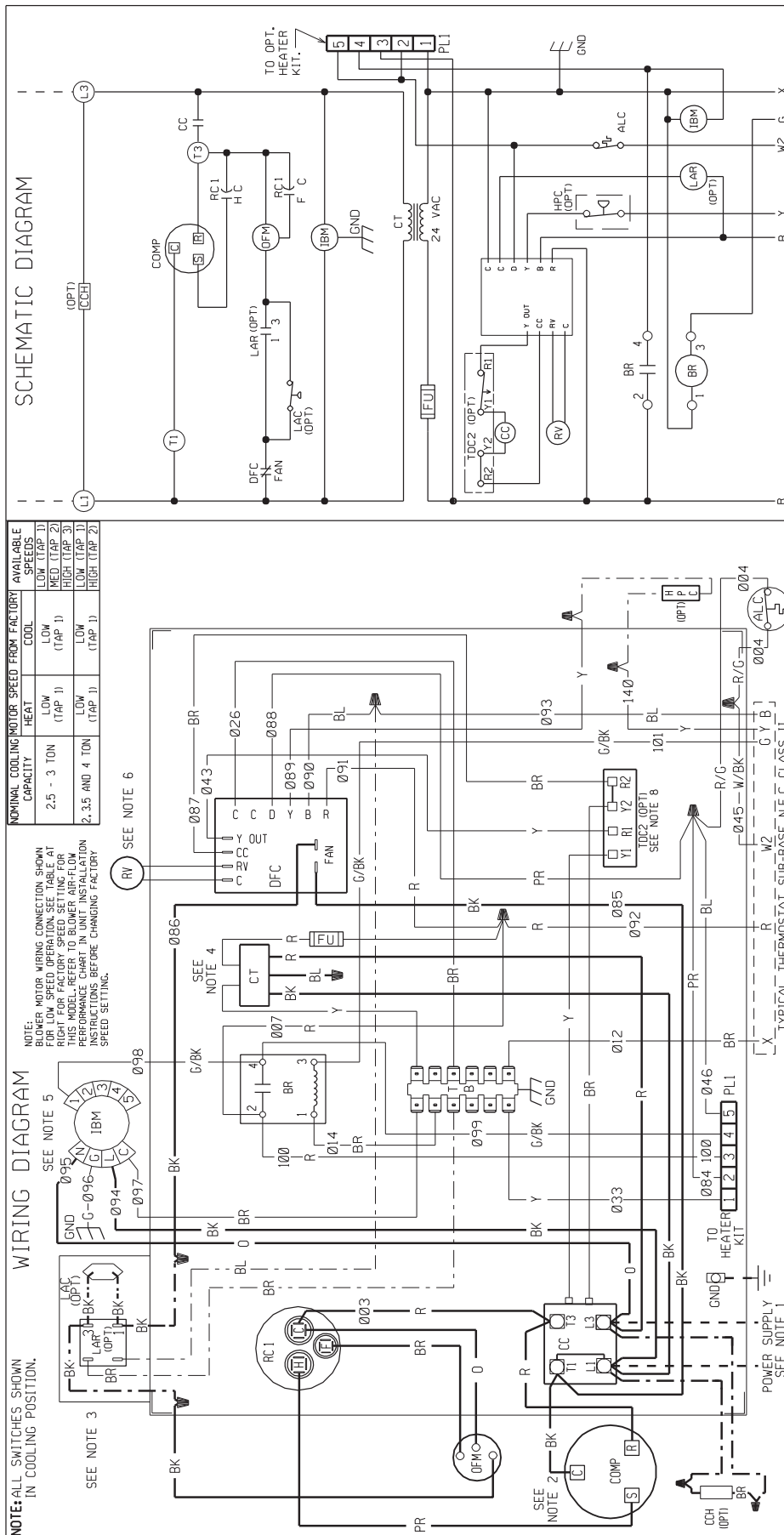
ALC	AUX. LIMIT CONTROL	LAC	LOW AMBIENT COOLING CONTROL
BR	BLOWER RELAY	LAR	LOW AMBIENT RELAY
CC	COMPRESSOR CONTACTOR	LCR	LOW AMBIENT RELAY
CC1	COMPRESSOR CONTACTOR	OPT	OPTIONAL
CC2	COMPRESSOR CONTACTOR	PLUG	PLUG
CC3	COMPRESSOR CONTACTOR	RC	RUN CAPACITOR
CC4	COMPRESSOR CONTACTOR	RV	REVERSING VALVE
CC5	COMPRESSOR CONTACTOR	TB	TERMINAL BLOCK
CC6	COMPRESSOR CONTACTOR	TDC	TIME DELAY CONTROL
CC7	COMPRESSOR CONTACTOR	WIRE NUT	WIRE NUT
CC8	COMPRESSOR CONTACTOR		
CC9	COMPRESSOR CONTACTOR		
CC10	COMPRESSOR CONTACTOR		
CC11	COMPRESSOR CONTACTOR		
CC12	COMPRESSOR CONTACTOR		
CC13	COMPRESSOR CONTACTOR		
CC14	COMPRESSOR CONTACTOR		
CC15	COMPRESSOR CONTACTOR		
CC16	COMPRESSOR CONTACTOR		
CC17	COMPRESSOR CONTACTOR		
CC18	COMPRESSOR CONTACTOR		
CC19	COMPRESSOR CONTACTOR		
CC20	COMPRESSOR CONTACTOR		
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CC42	COMPRESSOR CONTACTOR		
CC43	COMPRESSOR CONTACTOR		
CC44	COMPRESSOR CONTACTOR		
CC45	COMPRESSOR CONTACTOR		
CC46	COMPRESSOR CONTACTOR		
CC47	COMPRESSOR CONTACTOR		
CC48	COMPRESSOR CONTACTOR		
CC49	COMPRESSOR CONTACTOR		
CC50	COMPRESSOR CONTACTOR		

**ELECTRICAL WIRING DIAGRAM**

**PACKAGE HEAT PUMP**

1 PH, 208-230 VOLT  
PSC INDOOR BLOWER MOTOR

**DR. BY** KDF  
**APP. BY** DATE 03-15-05  
**DWG. NO.** 90-23621-12  
**REV** 04



### SCHEMATIC DIAGRAM

**NOMINAL COOLING MOTOR SPEED FROM FACTORY AVAILABLE SPEEDS**

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

SEE NOTE 6

### WIRING DIAGRAM

**NOTE:** ALL SWITCHES SHOWN IN COOLING POSITION.

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

### WIRE COLOR CODE

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

### WIRING INFORMATION

- LINE VOLTAGE
  - FACTORY STANDARD
  - FACTORY INSTALLED
- LOW VOLTAGE
  - FACTORY STANDARD
  - 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 NOT 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.

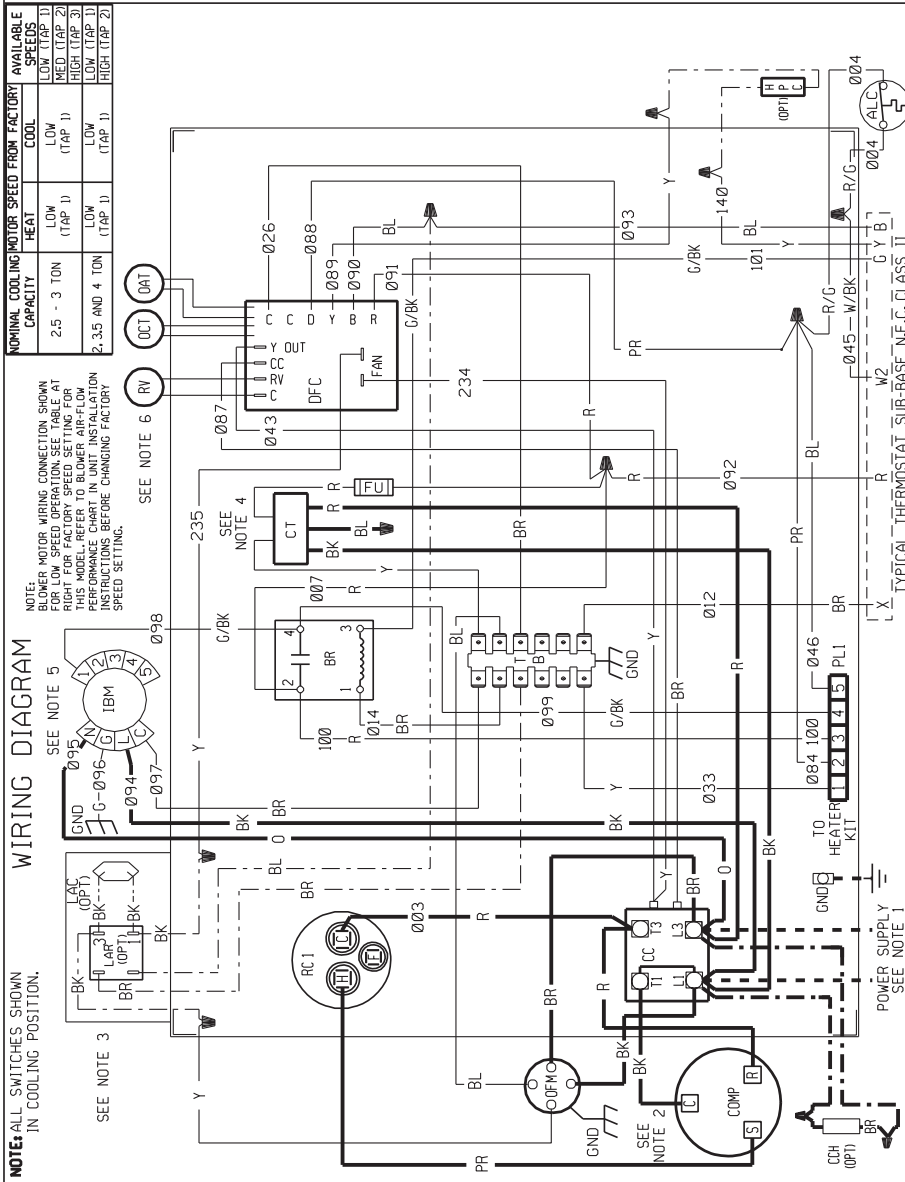
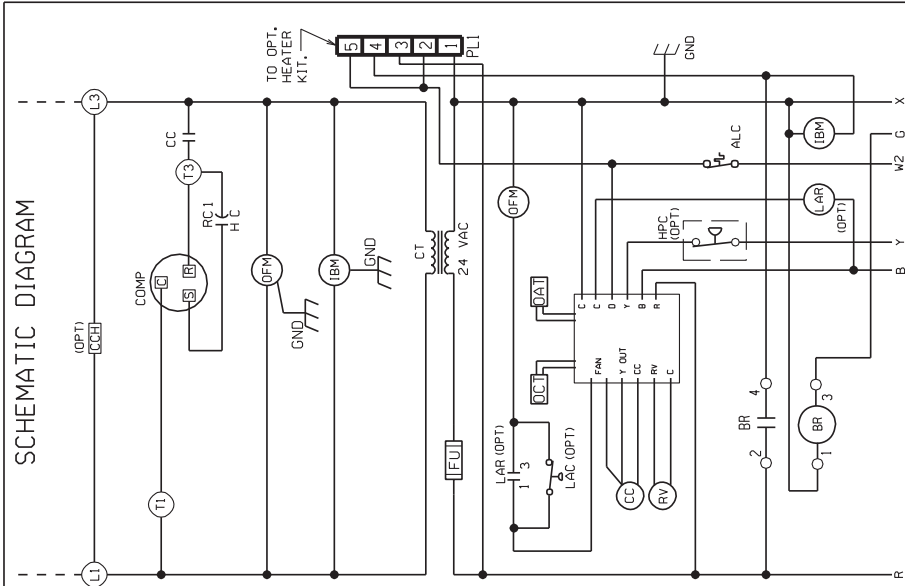
### COMPONENT CODE

DWG. NO.	90-23621-13	REV	06
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### ELECTRICAL WIRING DIAGRAM

**PACKAGE HEAT PUMP**  
 1 PH, 208-230 VOLT  
 X-13 INDOOR BLOWER MOTOR

DR. BY: KDF  
 APP. BY: [ ]  
 DATE: 03-15-05  
 DWG. NO.: 90-23621-13  
 REV: 06



**NOTE:** ALL SWITCHES SHOWN IN COOLING POSITION.

**NOTE:** BLOWER MOTOR WIRING CONNECTION SHOWN FOR COOLING POSITION. REFER TO RIGHT FOR FACTORY SPEED SETTINGS FOR THIS MODEL. REFER TO BLOWER AIR-FLOW PERFORMANCE CHART IN UNIT. INSTALLATION INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.

**NOTE:** SEE NOTE 5

**NOTE:** SEE NOTE 4

**NOTE:** SEE NOTE 2

**NOTE:** SEE NOTE 6

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

**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 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.

**COMPONENT CODE**

LOW AMBIENT RELAY  
 OUTDOOR AMBIENT TEMP  
 OUTDOOR COIL TEMP  
 OUTDOOR FAN CONTROL  
 CRANKCASE HEATER  
 TRANSFORMER  
 CONTACTOR  
 DEFROST CONTROL  
 FUSE  
 RUN CAPACITOR  
 REVERSING VALVE  
 TERMINAL BLOCK  
 WIRE NUT

AUX. LIMIT CONTROL  
 BLOWER RELAY  
 COMPRESSOR CONTACTOR  
 CRANKCASE HEATER  
 CONTACTOR  
 DEFROST CONTROL  
 FUSE  
 GROUND  
 HIGH PRESSURE CONTROL  
 INDOOR BLOWER MOTOR  
 LOW AMBIENT COOLING CONTROL

LAR  
 OAT  
 OCT  
 OFC  
 OFH  
 OPT  
 OPT  
 OPT  
 PLS  
 RC  
 RV  
 TB  
 W

**WIRE COLOR CODE**

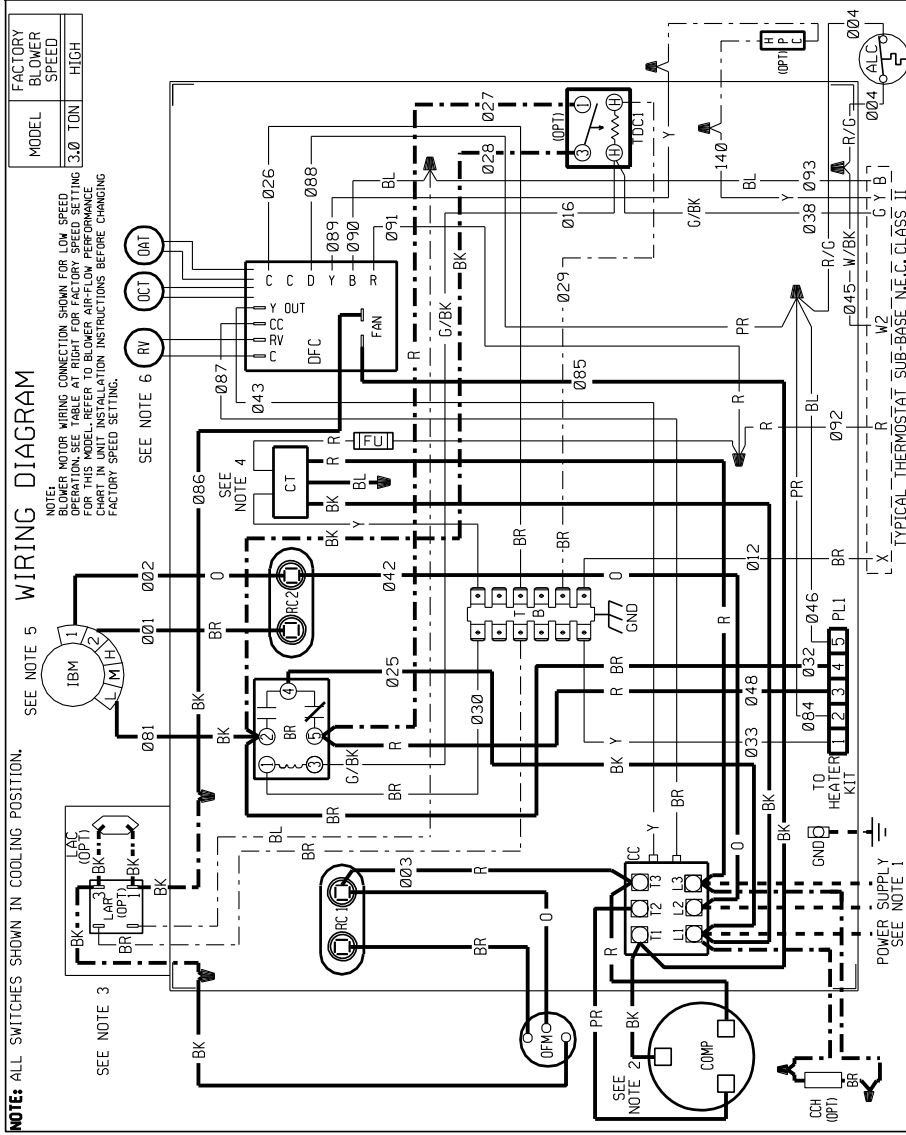
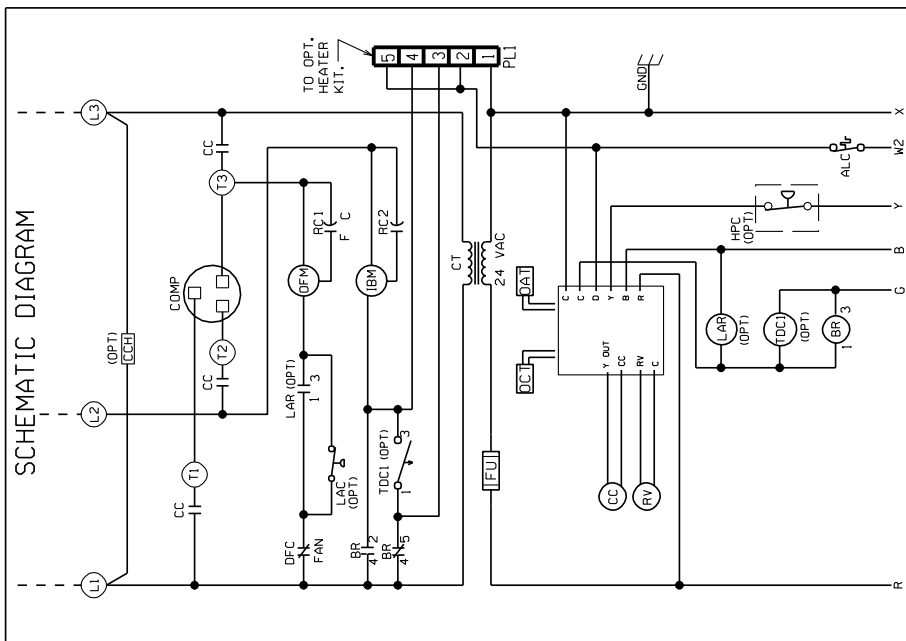
BK\_\_BLACK  
 BR\_\_BROWN  
 BL\_\_BLUE  
 CL\_\_CLEAR  
 G\_\_GREEN  
 GY\_\_GRAY  
 O\_\_ORANGE  
 PK\_\_PINK  
 PR\_\_PURPLE  
 R\_\_RED  
 W\_\_WHITE  
 Y\_\_YELLOW

**ELECTRICAL WIRING DIAGRAM**  
**PACKAGE HEAT PUMP**  
 ECM OUTDOOR MOTOR  
 1 PH, 208-230 VOLT  
 X-13 INDOOR BLOWER MOTOR

DWG. NO. **90-23621-21**  
 REV **01**

DR. BY  
 APP. BY  
 MGR  
 DATE  
 DWG. NO.  
 7-27-09  
**90-23621-21**





### ELECTRICAL WIRING DIAGRAM

## PACKAGE HEAT PUMP

3 PH, 208-230 VOLT  
PSC INDOOR BLOWER MOTOR

DR. BY	APP. BY	DATE	DWG. NO.	REV
KDF		03-21-05	90-23621-14	07

### WIRING INFORMATION

**LINE VOLTAGE**

- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED
- LOW VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

**REPLACEMENT WIRE**

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

### NOTES:

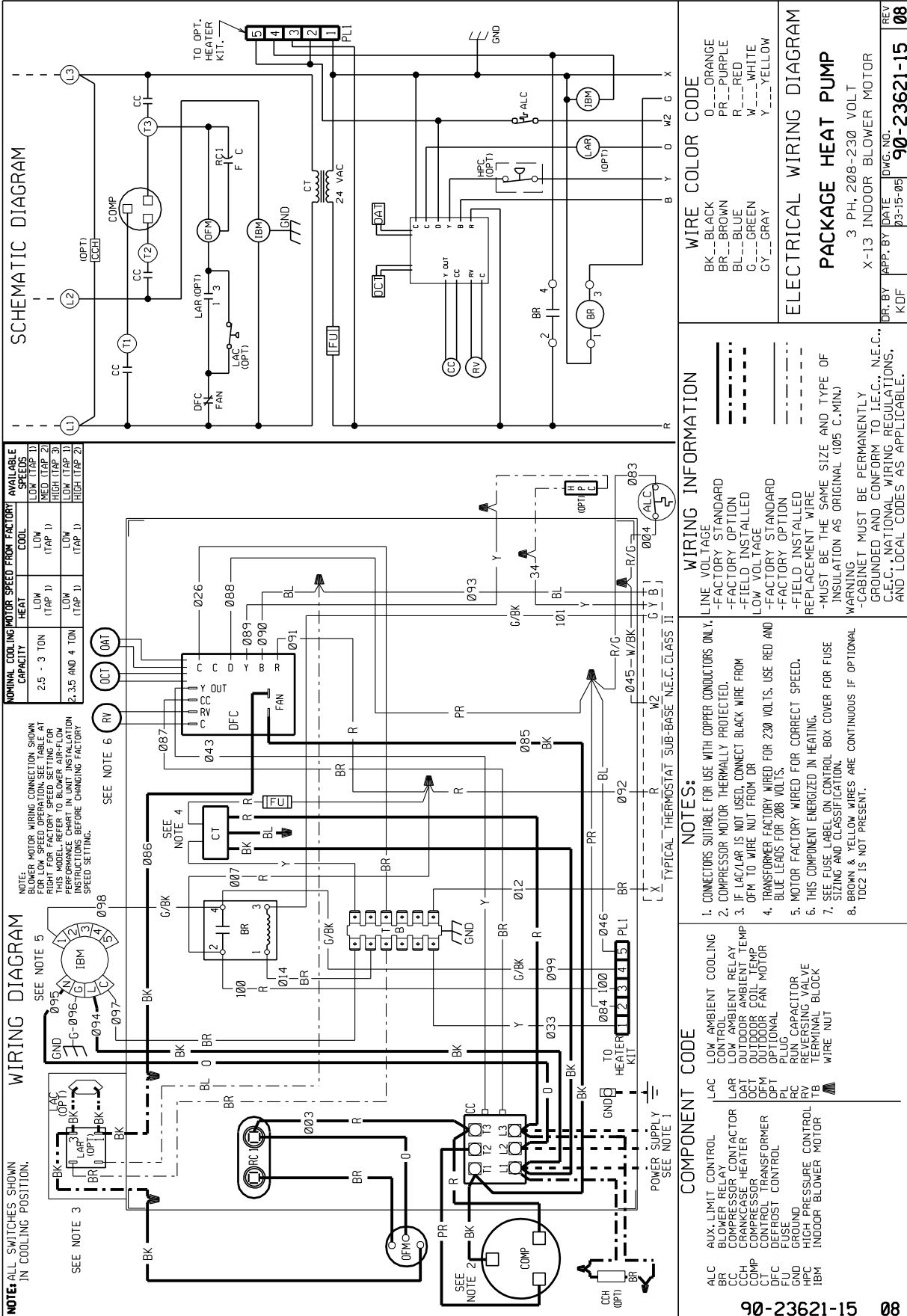
1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED.
3. IF LAC/LAR IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM DR
4. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
5. MOTOR FACTORY WIRED FOR CORRECT SPEED.
6.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

### COMPONENT CODE

ALC BR CC CH COMP CT DFC DEFRUST CONTROL GND GROUND IBM HPC INDOOR BLOWER MOTOR	LAC LOW AMBIENT COOLING CONTROL LAR LOW AMBIENT RELAY DAT OUTDOOR AMBIENT TEMP OUTDOOR COIL TEMP OFM OUTDOOR FAN MOTOR OPT PLUG PLUG RC REVERSING VALVE TB TERMINAL BLOCK TDC TIME DELAY CONTROL WIRE NUT
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### WIRE COLOR CODE

BK	BLACK
BR	BROWN
BL	BLUE
R	RED
G	GREEN
GY	GRAY
Y	YELLOW
O	ORANGE
PR	PURPLE
W	WHITE
W2	YELLOW



**NOMINAL COOLING MOTOR SPEED FROM FACTORY AVAILABLE SPEEDS**

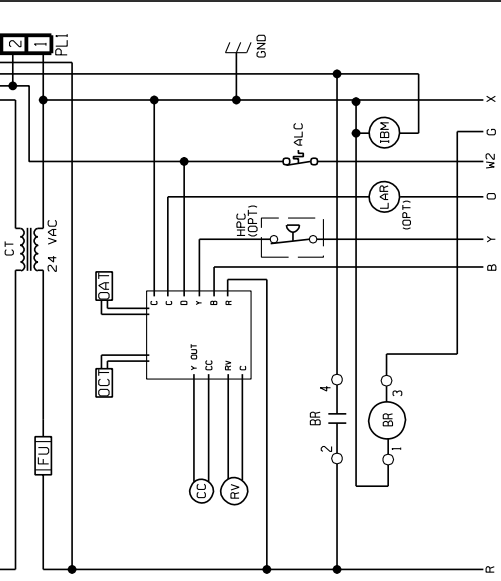
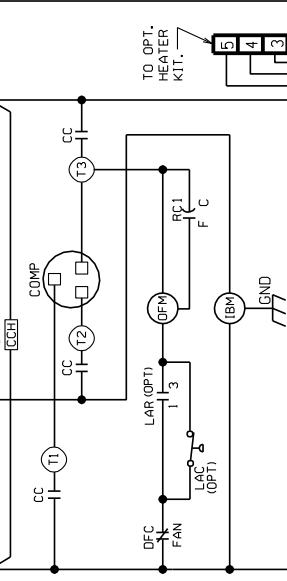
CAPACITY	HEAT	COOL
2.5 - 3 TON	LOW (TAP 1)	LOW (TAP 1)
	MED (TAP 2)	MED (TAP 2)
	HIGH (TAP 3)	HIGH (TAP 3)
2.35 AND 4 TON	LOW (TAP 1)	LOW (TAP 1)
	MED (TAP 2)	MED (TAP 2)
	HIGH (TAP 3)	HIGH (TAP 3)

**NOTE:** BLOWER MOTOR WIRING CONNECTION SHOWN RIGHT FOR LOW SPEED OPERATION. SEE TABLE AT RIGHT FOR FACTORY SPEED SETTING FOR LOW, MED, OR HIGH SPEED. BLOWER MOTOR SPEED IS CONTROLLABLE BY THE THERMOSTAT. REFER TO THE BLOWER MOTOR INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.

**NOTE:** ALL SWITCHES SHOWN IN COOLING POSITION.

**NOTE:** BLOWER MOTOR WIRING CONNECTION SHOWN RIGHT FOR LOW SPEED OPERATION. SEE TABLE AT RIGHT FOR FACTORY SPEED SETTING FOR LOW, MED, OR HIGH SPEED. BLOWER MOTOR SPEED IS CONTROLLABLE BY THE THERMOSTAT. REFER TO THE BLOWER MOTOR INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.

**NOTE:** BLOWER MOTOR WIRING CONNECTION SHOWN RIGHT FOR LOW SPEED OPERATION. SEE TABLE AT RIGHT FOR FACTORY SPEED SETTING FOR LOW, MED, OR HIGH SPEED. BLOWER MOTOR SPEED IS CONTROLLABLE BY THE THERMOSTAT. REFER TO THE BLOWER MOTOR INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.



**WIRE COLOR CODE**

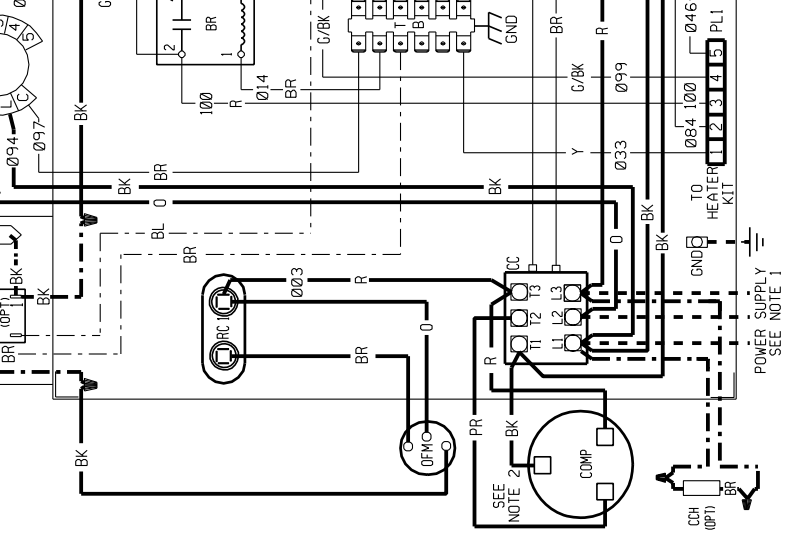
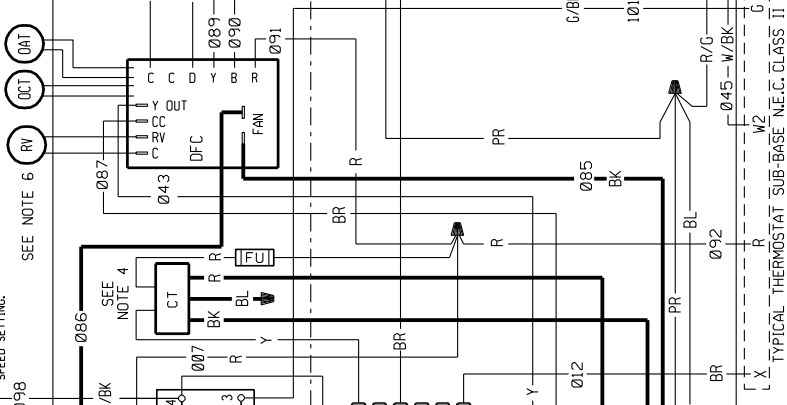
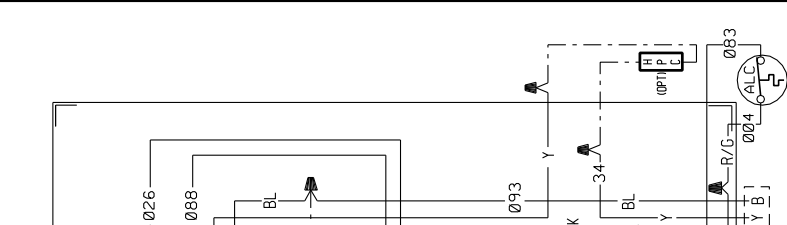
BK\_\_\_BLACK  
BR\_\_\_BROWN  
BL\_\_\_BLUE  
G\_\_\_GREEN  
GY\_\_\_GRAY  
O\_\_\_ORANGE  
PR\_\_\_PURPLE  
R\_\_\_RED  
W\_\_\_WHITE  
Y\_\_\_YELLOW

**ELECTRICAL WIRING DIAGRAM**

**PACKAGE HEAT PUMP**

3 PH, 208-230 VOLT  
X-13 INDOOR BLOWER MOTOR

REV. BY: KDF  
APP. BY: DATE  
DWG. NO.: 90-23621-15  
REV: 08



**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., NATIONAL WIRING REGULATIONS, 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 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 TOCC2 IS NOT PRESENT.

**COMPONENT CODE**

LAC LOW AMBIENT COOLING CONTROL  
LAR LOW AMBIENT RELAY  
CC CRANKCASE HEATER  
COMP COMPRESSOR  
CT CONTROL TRANSFORMER  
DFC DEFROST CONTROL  
FU FUSE  
GND GROUND  
HPC HIGH PRESSURE CONTROL  
IBM INDOOR BLOWER MOTOR

LAC LOW AMBIENT COOLING CONTROL  
LAR LOW AMBIENT RELAY  
DAT OUTDOOR AMBIENT TEMP CONTROL  
OFM OUTDOOR FAN MOTOR  
OPT OPTIONAL  
PLUG PLUG  
RVC REVERSING VALVE  
TB TERMINAL BLOCK  
WIRE NUT

90-23621-15 08

**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 (Registration Required)**

- 1 Phase, Residential Applications .....Ten (10) Years
- Compressor**
- 1 Phase, Residential Applications.....Ten (10) Years
- 1 & 3 Phase, Commercial Applications .....Five (5) Years
- Parts**
- 1 & 3 Phase, Commercial Applications .....One (1) Year







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

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INTEGRATED AIR & WATER