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



**RQPL- High Efficiency 14-SEER Series**  
Nominal Sizes 2-4 Tons [7.03-14.07 kW]

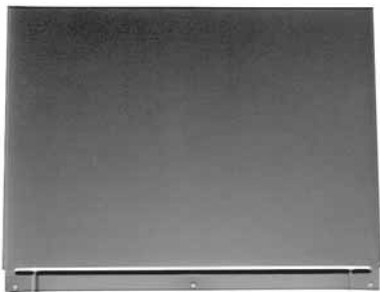


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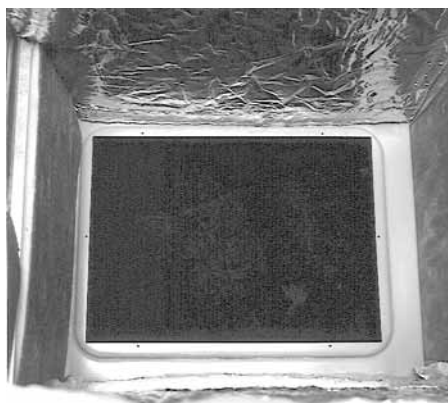
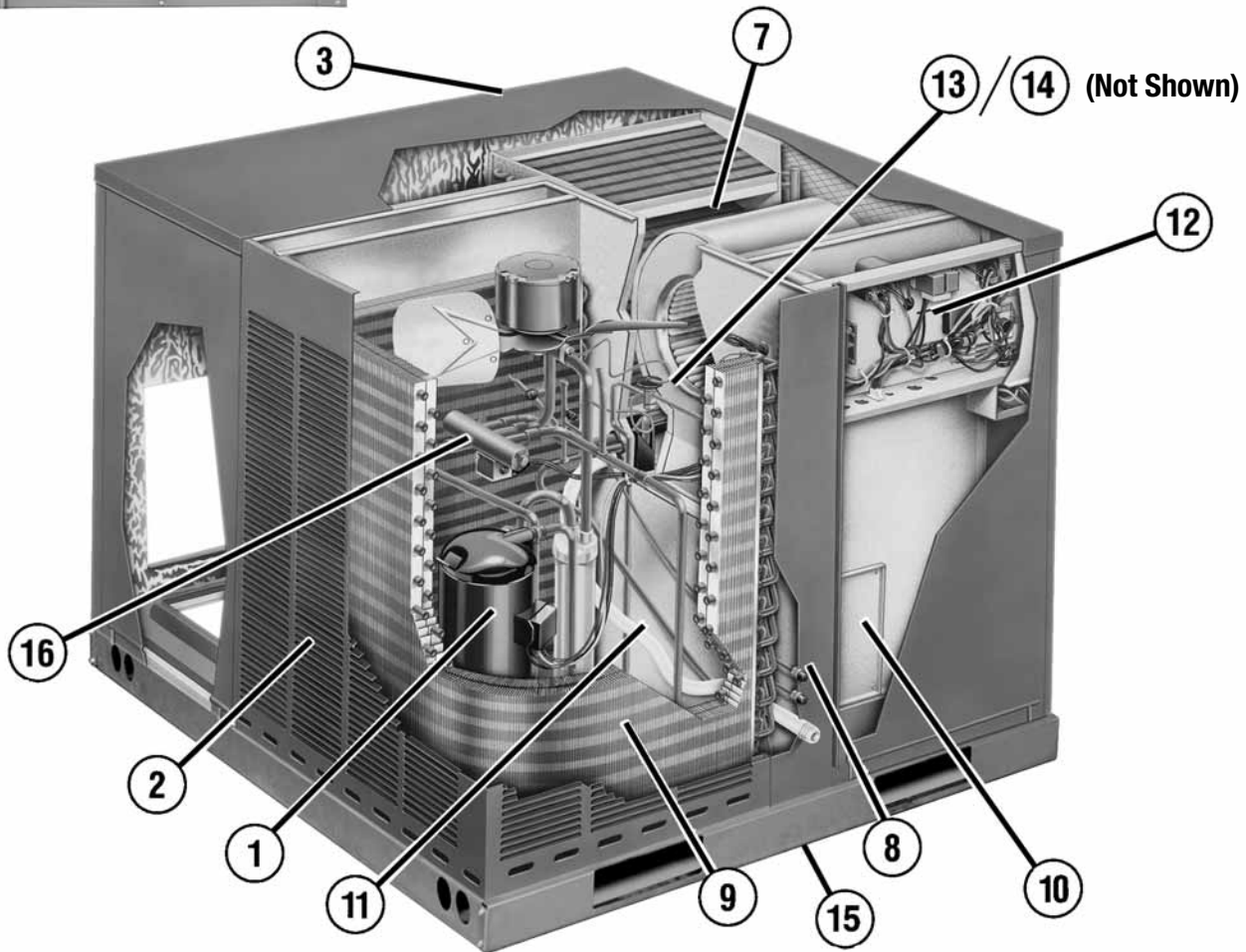
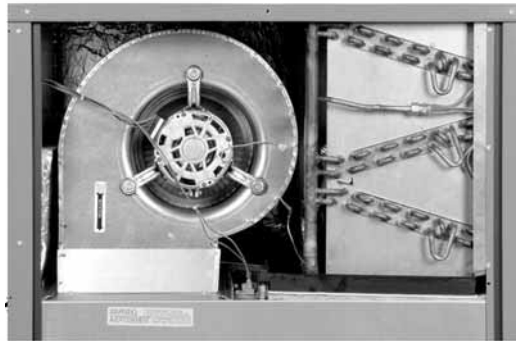
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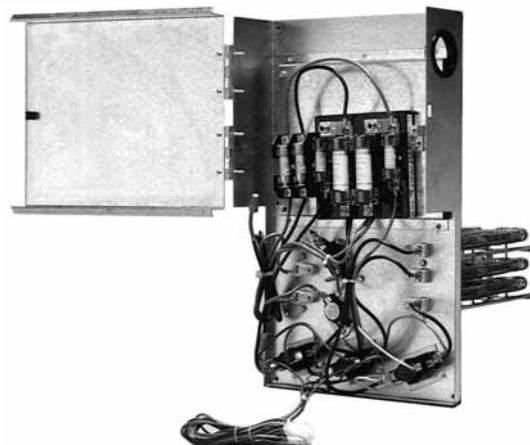
# Package Heat Pump Features:



5



4



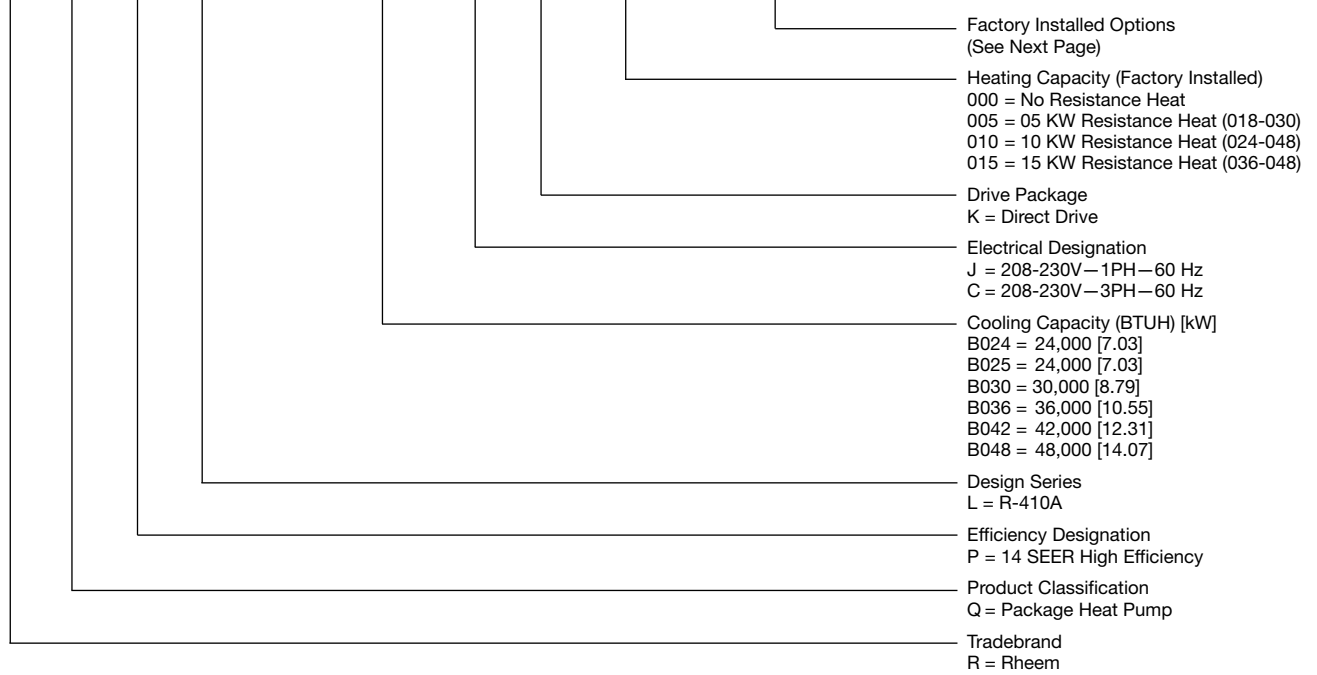


## Features Below Correspond to Photos on Page 3

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.



**R Q P 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

Example: RQPL-B036JK000**XX** (where **XX** is factory installed option)

Example: No Options

RQPL-B036JK000

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

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

Model RQPL- Series	B024JK	B025JK	B030JK	B036CK
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</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	12/14.3	12/14.3	12/14.3
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>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	14.51 [1.35]	14.51 [1.35]	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>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
<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 1/3 HP	1 at 1/5 HP	1 at 1/5 HP
Motor RPM	1075	869	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]	1/9x7 [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>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<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 10 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>				<b>CONTINUED</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>	12/14.3	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>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.2 [1.04]	16.32 [1.52]	16.32 [1.52]	16.32 [1.52]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
<b>Indoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [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]	3300 [1557]	3300 [1557]	3000 [1416]
No. Motors/HP	1 at 1/5 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/3	Direct/2	Direct/2	Direct/2
No. Motors	1	1	1	1
Motor HP	1/2	3/4	3/4	3/4
Motor RPM	1050	1075	1075	1075
Motor Frame Size	48	48	48	48
<b>Filter—Type</b>	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
<b>Refrigerant Charge Oz. [g]</b>	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]

See Page 10 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>	
Tube Type	Louvered
	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>	
Tube Type	Louvered
	Rifled
Tube Size in. [mm]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]
Refrigerant Control	TX Valves
Drain Connection No./Size in. [mm]	1/1 [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 10 for Notes.

[ ] Designates Metric Conversions

## NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. 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—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 ②	.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	.15	.13	.11	.15	.13	.11	.15	.13	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	36.9 [10.81]	36.2 [10.61]	35.5 [10.40]	34.9 [10.23]	34.2 [10.02]	33.6 [9.85]	33.5 [9.82]	32.9 [9.64]	32.3 [9.47]
		Sens BTUH [kW]	23.7 [6.95]	22.6 [6.62]	21.5 [6.30]	26.9 [7.88]	25.7 [7.53]	24.5 [7.18]	28.4 [8.32]	27.1 [7.94]	25.8 [7.56]
		Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	80 [26.7]	Total BTUH [kW]	35.7 [10.46]	35.1 [10.29]	34.4 [10.08]	33.7 [9.88]	33.1 [9.70]	32.5 [9.52]	32.3 [9.47]	31.8 [9.32]	31.2 [9.14]
		Sens BTUH [kW]	23.1 [6.77]	22.0 [6.45]	21.0 [6.15]	26.3 [7.71]	25.2 [7.39]	24.0 [7.03]	27.8 [8.15]	26.5 [7.77]	25.3 [7.41]
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	85 [29.4]	Total BTUH [kW]	34.6 [10.14]	33.9 [9.94]	33.3 [9.76]	32.6 [9.55]	32.0 [9.38]	31.4 [9.20]	31.2 [9.14]	30.6 [8.97]	30.1 [8.82]
		Sens BTUH [kW]	22.5 [6.59]	21.5 [6.30]	20.5 [6.01]	25.8 [7.56]	24.6 [7.21]	23.5 [6.89]	27.2 [7.97]	26.0 [7.62]	24.8 [7.27]
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	90 [32.2]	Total BTUH [kW]	33.4 [9.79]	32.8 [9.61]	32.2 [9.44]	31.4 [9.20]	30.9 [9.06]	30.3 [8.88]	30.1 [8.82]	29.5 [8.65]	29.0 [8.50]
Sens BTUH [kW]		21.9 [6.42]	20.9 [6.13]	20.0 [5.86]	25.2 [7.39]	24.1 [7.06]	23.0 [6.74]	26.6 [7.80]	25.4 [7.44]	24.3 [7.12]	
Power		2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
95 [35]	Total BTUH [kW]	32.3 [9.47]	31.7 [9.29]	31.1 [9.11]	30.3 [8.88]	29.8 [8.73]	29.2 [8.56]	28.9 [8.47]	28.4 [8.32]	27.9 [8.18]	
	Sens BTUH [kW]	21.4 [6.27]	20.4 [5.98]	19.5 [5.71]	24.7 [7.24]	23.6 [6.92]	22.5 [6.59]	26.1 [7.65]	24.9 [7.30]	23.8 [6.98]	
	Power	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.3	
100 [37.8]	Total BTUH [kW]	31.1 [9.11]	30.6 [8.97]	30.0 [8.79]	29.1 [8.53]	28.6 [8.38]	28.1 [8.24]	27.8 [8.15]	27.3 [8.00]	26.8 [7.85]	
	Sens BTUH [kW]	20.8 [6.10]	19.9 [5.83]	19.0 [5.57]	24.1 [7.06]	23.0 [6.74]	22.0 [6.45]	25.5 [7.47]	24.4 [7.15]	23.3 [6.83]	
	Power	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	
105 [40.6]	Total BTUH [kW]	30.0 [8.79]	29.4 [8.62]	28.9 [8.47]	28.0 [8.21]	27.5 [8.06]	27.0 [7.91]	26.6 [7.80]	26.1 [7.65]	25.6 [7.50]	
	Sens BTUH [kW]	20.3 [5.95]	19.4 [5.69]	18.5 [5.42]	23.6 [6.92]	22.5 [6.59]	21.5 [6.30]	25.0 [7.33]	23.9 [7.00]	22.8 [6.68]	
	Power	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.5	
110 [43.3]	Total BTUH [kW]	28.7 [8.41]	28.2 [8.26]	27.7 [8.12]	26.7 [7.83]	26.2 [7.68]	25.8 [7.56]	25.4 [7.44]	24.9 [7.30]	24.5 [7.18]	
	Sens BTUH [kW]	19.7 [5.77]	18.8 [5.51]	18.0 [5.28]	23.0 [6.74]	22.0 [6.45]	21.0 [6.15]	24.4 [7.15]	23.4 [6.86]	22.3 [6.54]	
	Power	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6	
115 [46.1]	Total BTUH [kW]	27.4 [8.03]	26.9 [7.88]	26.4 [7.74]	25.4 [7.44]	25.0 [7.33]	24.5 [7.18]	24.1 [7.06]	23.6 [6.92]	23.2 [6.80]	
	Sens BTUH [kW]	19.2 [5.63]	18.3 [5.36]	17.5 [5.13]	22.5 [6.59]	21.5 [6.30]	20.5 [6.01]	23.9 [7.00]	22.8 [6.68]	21.8 [6.39]	
	Power	2.7	2.7	2.7	2.7	2.6	2.6	2.7	2.7	2.7	

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

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

**NOTES:**

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

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

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions





## COOLING PERFORMANCE DATA—RQPL-036

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]
DR ①			.21	.19	.17	.21	.19	.17	.21	.19	.17
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	45.0 [13.19]	44.2 [12.95]	43.4 [12.72]	42.9 [12.57]	42.2 [12.37]	41.4 [12.13]	41.8 [12.25]	41.0 [12.02]	40.3 [11.81]
		Sens BTUH [kW]	27.7 [8.12]	26.5 [7.77]	25.3 [7.41]	31.8 [9.32]	30.4 [8.91]	28.9 [8.47]	34.2 [10.02]	32.6 [9.55]	31.1 [9.11]
		Power	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	80 [26.7]	Total BTUH [kW]	43.9 [12.87]	43.1 [12.63]	42.3 [12.40]	41.8 [12.25]	41.1 [12.05]	40.3 [11.81]	40.7 [11.93]	39.9 [11.69]	39.2 [11.49]
		Sens BTUH [kW]	27.1 [7.94]	25.9 [7.59]	24.7 [7.24]	31.2 [9.14]	29.8 [8.73]	28.4 [8.32]	33.5 [9.82]	32.0 [9.38]	30.5 [8.94]
		Power	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.3	2.3
	85 [29.4]	Total BTUH [kW]	42.6 [12.48]	41.8 [12.25]	41.0 [12.02]	40.5 [11.87]	39.8 [11.66]	39.1 [11.46]	39.4 [11.55]	38.7 [11.34]	37.9 [11.11]
		Sens BTUH [kW]	26.5 [7.77]	25.3 [7.41]	24.1 [7.06]	30.5 [8.94]	29.1 [8.53]	27.8 [8.15]	32.9 [9.64]	31.4 [9.20]	29.9 [8.76]
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	90 [32.2]	Total BTUH [kW]	41.1 [12.05]	40.3 [11.81]	39.6 [11.61]	39.0 [11.43]	38.3 [11.22]	37.6 [11.02]	37.9 [11.11]	37.2 [10.90]	36.5 [10.70]
Sens BTUH [kW]		25.7 [7.53]	24.6 [7.21]	23.5 [6.89]	29.8 [8.73]	28.5 [8.35]	27.1 [7.94]	32.2 [9.44]	30.7 [9.00]	29.3 [8.59]	
Power		2.7	2.7	2.6	2.7	2.6	2.6	2.6	2.6	2.6	
95 [35]	Total BTUH [kW]	39.5 [11.58]	38.8 [11.37]	38.1 [11.17]	37.4 [10.96]	36.8 [10.79]	36.1 [10.58]	36.3 [10.64]	35.6 [10.43]	35.0 [10.26]	
	Sens BTUH [kW]	25.0 [7.33]	23.9 [7.00]	22.8 [6.68]	29.1 [8.53]	27.8 [8.15]	26.5 [7.77]	31.4 [9.20]	30.0 [8.79]	28.6 [8.38]	
	Power	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	
100 [37.8]	Total BTUH [kW]	37.8 [11.08]	37.1 [10.87]	36.5 [10.70]	35.8 [10.49]	35.1 [10.29]	34.5 [10.11]	34.6 [10.14]	34.0 [9.96]	33.4 [9.79]	
	Sens BTUH [kW]	24.2 [7.09]	23.2 [6.80]	22.1 [6.48]	28.3 [8.29]	27.0 [7.91]	25.8 [7.56]	30.7 [9.00]	29.3 [8.59]	27.9 [8.18]	
	Power	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	
105 [40.6]	Total BTUH [kW]	36.1 [10.58]	35.5 [10.40]	34.8 [10.20]	34.1 [9.99]	33.5 [9.82]	32.8 [9.61]	32.9 [9.64]	32.3 [9.47]	31.7 [9.29]	
	Sens BTUH [kW]	23.4 [6.86]	22.4 [6.56]	21.3 [6.24]	27.5 [8.06]	26.3 [7.71]	25.0 [7.33]	29.9 [8.76]	28.5 [8.35]	27.2 [7.97]	
	Power	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.0	3.0	
110 [43.3]	Total BTUH [kW]	34.4 [10.08]	33.8 [9.91]	33.2 [9.73]	32.4 [9.50]	31.8 [9.32]	31.2 [9.14]	31.2 [9.14]	30.7 [9.00]	30.1 [8.82]	
	Sens BTUH [kW]	22.6 [6.62]	21.6 [6.33]	20.6 [6.04]	26.7 [7.83]	25.5 [7.47]	24.3 [7.12]	29.0 [8.50]	27.7 [8.12]	26.4 [7.74]	
	Power	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	
115 [46.1]	Total BTUH [kW]	32.8 [9.61]	32.2 [9.44]	31.7 [9.29]	30.8 [9.03]	30.2 [8.85]	29.7 [8.70]	29.6 [8.67]	29.1 [8.53]	28.6 [8.38]	
	Sens BTUH [kW]	21.8 [6.39]	20.8 [6.10]	19.8 [5.80]	25.8 [7.56]	24.7 [7.24]	23.5 [6.89]	28.2 [8.26]	26.9 [7.88]	25.7 [7.53]	
	Power	3.4	3.4	3.3	3.4	3.3	3.3	3.4	3.3	3.3	

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

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

**NOTES:**

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

## HEATING PERFORMANCE DATA—RQPL-036

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	11.7 [3.43]	11.6 [3.40]	11.5 [3.37]	9.6 [2.81]	9.6 [2.81]	9.5 [2.78]	8.3 [2.43]	8.2 [2.40]	8.1 [2.37]
		Power	1.8	1.9	1.9	2.1	2.1	2.1	2.4	2.4	2.4
	5 [-15]	Total BTUH [kW]	14.1 [4.13]	14.0 [4.10]	13.9 [4.07]	12.1 [3.55]	12.0 [3.52]	11.9 [3.49]	10.7 [3.14]	10.6 [3.11]	10.6 [3.11]
		Power	1.9	1.9	1.9	2.1	2.2	2.2	2.4	2.5	2.5
	10 [-12.2]	Total BTUH [kW]	16.6 [4.86]	16.5 [4.84]	16.3 [4.78]	14.5 [4.25]	14.4 [4.22]	14.3 [4.19]	13.2 [3.87]	13.1 [3.84]	13.0 [3.81]
		Power	1.9	1.9	2.0	2.2	2.2	2.2	2.5	2.5	2.5
	15 [-9.4]	Total BTUH [kW]	19.0 [5.57]	18.9 [5.54]	18.8 [5.51]	17.0 [4.98]	16.9 [4.95]	16.7 [4.89]	15.6 [4.57]	15.5 [4.54]	15.4 [4.51]
		Power	2.0	2.0	2.0	2.2	2.2	2.3	2.5	2.5	2.6
	20 [-6.7]	Total BTUH [kW]	21.5 [6.30]	21.3 [6.24]	21.2 [6.21]	19.4 [5.69]	19.3 [5.66]	19.2 [5.63]	18.1 [5.30]	17.9 [5.25]	17.8 [5.22]
		Power	2.0	2.0	2.1	2.3	2.3	2.3	2.5	2.6	2.6
25 [-3.9]	Total BTUH [kW]	23.9 [7.00]	23.8 [6.98]	23.6 [6.92]	21.9 [6.42]	21.7 [6.36]	21.6 [6.33]	20.5 [6.01]	20.4 [5.98]	20.2 [5.92]	
	Power	2.0	2.1	2.1	2.3	2.3	2.4	2.6	2.6	2.7	
30 [-1.1]	Total BTUH [kW]	26.4 [7.74]	26.2 [7.68]	26.0 [7.62]	24.3 [7.12]	24.2 [7.09]	24.0 [7.03]	23.0 [6.74]	22.8 [6.68]	22.6 [6.62]	
	Power	2.1	2.1	2.1	2.3	2.4	2.4	2.6	2.7	2.7	
35 [1.7]	Total BTUH [kW]	28.8 [8.44]	28.6 [8.38]	28.4 [8.32]	26.8 [7.85]	26.6 [7.80]	26.4 [7.74]	25.4 [7.44]	25.2 [7.39]	25.1 [7.36]	
	Power	2.1	2.1	2.2	2.4	2.4	2.4	2.7	2.7	2.7	
40 [4.4]	Total BTUH [kW]	31.3 [9.17]	31.1 [9.11]	30.8 [9.03]	29.2 [8.56]	29.0 [8.50]	28.8 [8.44]	27.9 [8.18]	27.7 [8.12]	27.5 [8.06]	
	Power	2.2	2.2	2.2	2.4	2.4	2.5	2.7	2.7	2.8	
45 [7.2]	Total BTUH [kW]	33.7 [9.88]	33.5 [9.82]	33.3 [9.76]	31.7 [9.29]	31.5 [9.23]	31.2 [9.14]	30.3 [8.88]	30.1 [8.82]	29.9 [8.76]	
	Power	2.2	2.2	2.3	2.5	2.5	2.5	2.8	2.8	2.8	
50 [10]	Total BTUH [kW]	36.2 [10.61]	35.9 [10.52]	35.7 [10.46]	34.1 [9.99]	33.9 [9.94]	33.7 [9.88]	32.8 [9.61]	32.5 [9.52]	32.3 [9.47]	
	Power	2.2	2.3	2.3	2.5	2.5	2.6	2.8	2.8	2.9	

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions





## COOLING PERFORMANCE DATA—RQPL-042

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
wbE		1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	
CFM [L/s]											
DR ①		.17	.15	.14	.17	.15	.14	.17	.15	.14	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	53.9 [5.80] 32.2 [9.44] 2.9	52.9 [15.50] 30.7 [9.00] 2.9	51.9 [15.21] 29.3 [8.59] 2.9	50.9 [14.92] 37.1 [10.87] 2.9	50.0 [14.65] 35.5 [10.40] 2.9	49.1 [14.39] 33.8 [9.91] 2.9	48.1 [14.10] 39.3 [11.52] 2.9	47.3 [13.86] 37.5 [10.99] 2.9	46.4 [13.60] 35.8 [10.49] 2.9
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	52.0 [15.24] 31.3 [9.17] 3.1	51.0 [14.95] 29.9 [8.76] 3.1	50.1 [14.68] 28.5 [8.35] 3.1	49.0 [14.36] 36.3 [10.64] 3.1	48.1 [14.10] 34.7 [10.17] 3.1	47.2 [13.83] 33.0 [9.67] 3.0	46.2 [13.54] 38.4 [11.25] 3.1	45.4 [13.31] 36.7 [10.76] 3.1	44.6 [13.07] 35.0 [10.26] 3.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	50.3 [14.74] 30.5 [8.94] 3.3	49.4 [14.48] 29.2 [8.56] 3.2	48.5 [14.21] 27.8 [8.15] 3.2	47.3 [13.86] 35.5 [10.40] 3.3	46.5 [13.63] 33.9 [9.94] 3.2	45.6 [13.36] 32.3 [9.47] 3.2	44.6 [13.07] 37.6 [11.02] 3.2	43.8 [12.84] 35.9 [10.52] 3.2	43.0 [12.60] 34.3 [10.05] 3.2
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	48.7 [14.27] 29.8 [8.73] 3.4	47.9 [14.04] 28.4 [8.32] 3.4	47.0 [13.77] 27.1 [7.94] 3.4	45.8 [13.42] 34.7 [10.17] 3.4	44.9 [13.16] 33.2 [9.73] 3.4	44.1 [12.92] 31.6 [9.26] 3.4	43.0 [12.60] 36.8 [10.79] 3.4	42.2 [12.37] 35.2 [10.32] 3.4	41.5 [12.16] 33.6 [9.85] 3.4
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	47.2 [13.83] 29.0 [8.50] 3.6	46.4 [13.60] 27.7 [8.12] 3.6	45.5 [13.33] 26.4 [7.74] 3.5	44.2 [12.95] 34.0 [9.96] 3.6	43.4 [12.72] 32.4 [9.50] 3.6	42.7 [12.51] 30.9 [9.06] 3.5	41.5 [12.16] 36.1 [10.58] 3.6	40.7 [11.93] 34.5 [10.11] 3.6	40.0 [11.72] 32.9 [9.64] 3.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	45.6 [13.36] 28.2 [8.26] 3.8	44.8 [13.13] 26.9 [7.88] 3.7	44.0 [12.90] 25.7 [7.53] 3.7	42.6 [12.48] 33.2 [9.73] 3.8	41.9 [12.28] 31.7 [9.29] 3.7	41.1 [12.05] 30.2 [8.85] 3.7	39.9 [11.69] 35.3 [10.35] 3.7	39.2 [11.49] 33.7 [9.88] 3.7	38.5 [11.28] 32.1 [9.41] 3.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	43.8 [12.84] 27.4 [8.03] 3.9	43.0 [12.60] 26.1 [7.65] 3.9	42.3 [12.40] 24.9 [7.30] 3.9	40.8 [11.96] 32.3 [9.47] 3.9	40.1 [11.75] 30.9 [9.06] 3.9	39.4 [11.55] 29.4 [8.62] 3.9	38.1 [11.17] 34.4 [10.08] 3.9	37.4 [10.96] 32.9 [9.64] 3.9	36.7 [10.76] 31.4 [9.20] 3.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	41.7 [12.22] 26.4 [7.74] 4.1	41.0 [12.02] 25.2 [7.39] 4.1	40.2 [11.78] 24.1 [7.06] 4.0	38.8 [11.37] 31.4 [9.20] 4.1	38.1 [11.17] 30.0 [8.79] 4.1	37.4 [10.96] 28.6 [8.38] 4.0	36.0 [10.55] 33.5 [9.82] 4.1	35.4 [10.37] 32.0 [9.38] 4.1	34.7 [10.17] 30.5 [8.94] 4.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	39.3 [11.52] 25.4 [7.44] 4.3	38.6 [11.31] 24.2 [7.09] 4.2	37.9 [11.11] 23.1 [6.77] 4.2	36.3 [10.64] 30.3 [8.88] 4.3	35.6 [10.43] 29.0 [8.50] 4.2	35.0 [10.26] 27.6 [8.09] 4.2	33.5 [9.82] 32.4 [9.50] 4.3	32.9 [9.64] 31.0 [9.09] 4.2	32.3 [9.47] 29.5 [8.65] 4.2

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

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

**NOTES:**

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

## HEATING PERFORMANCE DATA—RQPL-042

		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
IDB		1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	
CFM [L/s]											
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	.15	.13	.11	.15	.13	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	60.4 [17.70]	59.3 [17.38]	58.3 [17.09]	57.1 [16.73]	56.1 [16.44]	55.0 [16.12]	54.5 [15.97]	53.5 [15.68]	52.5 [15.39]
		Sens BTUH [kW]	37.4 [10.96]	35.7 [10.46]	34.1 [9.99]	42.7 [12.51]	40.8 [11.96]	38.9 [11.40]	45.0 [13.19]	43.0 [12.60]	41.0 [12.02]
		Power	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	80 [26.7]	Total BTUH [kW]	58.8 [17.23]	57.8 [16.94]	56.7 [16.62]	55.5 [16.27]	54.5 [15.97]	53.5 [15.68]	52.9 [15.50]	51.9 [15.21]	51.0 [14.95]
		Sens BTUH [kW]	36.6 [10.73]	35.0 [10.26]	33.3 [9.76]	41.9 [12.28]	40.0 [11.72]	38.2 [11.20]	44.2 [12.95]	42.2 [12.37]	40.3 [11.81]
		Power	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2
	85 [29.4]	Total BTUH [kW]	57.0 [16.71]	56.0 [16.41]	55.0 [16.12]	53.7 [15.74]	52.7 [15.44]	51.8 [15.18]	51.1 [14.98]	50.2 [14.71]	49.3 [14.45]
		Sens BTUH [kW]	35.7 [10.46]	34.1 [9.99]	32.5 [9.52]	41.0 [12.02]	39.2 [11.49]	37.3 [10.93]	43.3 [12.69]	41.4 [12.13]	39.4 [11.55]
		Power	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4
	90 [32.2]	Total BTUH [kW]	55.1 [16.15]	54.1 [15.86]	53.1 [15.56]	51.7 [15.15]	50.8 [14.89]	49.9 [14.62]	49.1 [14.39]	48.3 [14.16]	47.4 [13.89]
Sens BTUH [kW]		34.8 [10.20]	33.2 [9.73]	31.7 [9.29]	40.1 [11.75]	38.3 [11.22]	36.5 [10.70]	42.4 [12.43]	40.5 [11.87]	38.6 [11.31]	
Power		3.7	3.7	3.7	3.7	3.7	3.6	3.7	3.6	3.6	
95 [35]	Total BTUH [kW]	53.1 [15.56]	52.1 [15.27]	51.2 [15.01]	49.8 [14.59]	48.9 [14.33]	48.0 [14.07]	47.2 [13.83]	46.3 [13.57]	45.5 [13.33]	
	Sens BTUH [kW]	33.8 [9.91]	32.3 [9.47]	30.8 [9.03]	39.1 [11.46]	37.4 [10.96]	35.6 [10.43]	41.4 [12.13]	39.6 [11.61]	37.7 [11.05]	
	Power	3.9	3.9	3.9	3.9	3.9	3.8	3.9	3.8	3.8	
100 [37.8]	Total BTUH [kW]	51.1 [14.98]	50.2 [14.71]	49.3 [14.45]	47.8 [14.01]	46.9 [13.75]	46.1 [13.51]	45.2 [13.25]	44.4 [13.01]	43.6 [12.78]	
	Sens BTUH [kW]	32.9 [9.64]	31.4 [9.20]	29.9 [8.76]	38.2 [11.20]	36.5 [10.70]	34.8 [10.20]	40.5 [11.87]	38.7 [11.34]	36.9 [10.81]	
	Power	4.1	4.1	4.0	4.1	4.0	4.0	4.1	4.0	4.0	
105 [40.6]	Total BTUH [kW]	49.3 [14.45]	48.4 [14.18]	47.5 [13.92]	46.0 [13.48]	45.1 [13.22]	44.3 [12.98]	43.4 [12.72]	42.6 [12.48]	41.8 [12.25]	
	Sens BTUH [kW]	32.0 [9.38]	30.6 [8.97]	29.2 [8.56]	37.3 [10.93]	35.7 [10.46]	34.0 [9.96]	39.6 [11.61]	37.9 [11.11]	36.1 [10.58]	
	Power	4.3	4.3	4.2	4.3	4.2	4.2	4.2	4.2	4.2	
110 [43.3]	Total BTUH [kW]	47.6 [13.95]	46.8 [13.72]	45.9 [13.45]	44.3 [12.98]	43.5 [12.75]	42.7 [12.51]	41.7 [12.22]	41.0 [12.02]	40.2 [11.78]	
	Sens BTUH [kW]	31.3 [9.17]	29.9 [8.76]	28.5 [8.35]	36.6 [10.73]	34.9 [10.23]	33.3 [9.76]	38.9 [11.40]	37.1 [10.87]	35.4 [10.37]	
	Power	4.5	4.4	4.4	4.5	4.4	4.4	4.4	4.4	4.4	
115 [46.1]	Total BTUH [kW]	46.3 [13.57]	45.5 [13.33]	44.6 [13.07]	43.0 [12.60]	42.2 [12.37]	41.4 [12.13]	40.4 [11.84]	39.6 [11.61]	38.9 [11.40]	
	Sens BTUH [kW]	30.7 [9.00]	29.3 [8.59]	27.9 [8.18]	36.0 [10.55]	34.4 [10.08]	32.8 [9.61]	38.3 [11.22]	36.6 [10.73]	34.8 [10.20]	
	Power	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	

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

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

**NOTES:**

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

## HEATING PERFORMANCE DATA—RQPL-048

IDB											
CFM [L/s]			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
			1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]
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	3.3	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







Air

Indoor Airflow Performance  
RQPL Series

# 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 [413/531 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	High (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)	Low (Tap 1)	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 1/2 HP [372] 3 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 [496/602 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 3)	CFM	1252 [591]	1213 [572]	1166 [550]	1137 [537]	1099 [519]	1046 [494]	986 [465]	892 [421]
					RPM	796	826	868	893	934	982	1026	1086
					Watts	206	210	219	225	234	245	248	256
3.0 [10.55]	Low (Tap 1)	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Low (Tap 1)	CFM	1247 [589]	1220 [576]	1178 [556]	1143 [539]	1099 [519]	1064 [502]	998 [471]	904 [427]
					RPM	784	819	863	890	932	957	1012	1075
					Watts	200	208	219	224	233	236	246	256
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 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
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1455 [687]	1431 [675]	1396 [659]	1360 [642]	1315 [621]	1285 [606]	1241 [586]	
					RPM	824	856	889	931	968	1009	1041	
					Watts	268	280	288	303	311	325	331	
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	CFM	1559 [736]	1530 [722]	1488 [702]	1454 [686]	1417 [669]	1375 [649]	1336 [631]	
					RPM	870	893	932	968	1007	1036	1072	
					Watts	321	327	338	351	364	371	381	
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/602 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]	1600 [775]
Pressure Drop—Inches W.C. [kPa]	.00	.01 [.002]	.07 [.017]

[ ] Designates Metric Conversions



INTEGRATED AIR & WATER

# 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 [0.02]	0.2 [.05]	0.3 [0.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [0.17]	0.8 [0.20]	
2.0 [7.03]	Low (Tap 1)	700 CFM/900 CFM [271/319 L/s]	9x7 Blower 1/3 HP [249] 3 Speed (X13 Motor)	Low (Tap 1)	CFM	862 [407]	834 [394]	819 [387]	781 [369]	761 [359]	729 [344]	695 [328]	606 [286]
					RPM	889	953	974	1018	1065	1101	1133	1156
					Watts	151	159	162	166	173	176	180	165
2.5 [8.79]	Low (Tap 1)	875 CFM/1125 CFM [413/531 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Medium (Tap 2)	CFM	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)	High (Tap 3)	CFM	1076 [508]	1041 [491]	1017 [480]	970 [458]	928 [438]	852 [402]	785 [370]	745 [352]
					RPM	715	753	787	825	877	946	1005	1032
					Watts	144	148	157	169	175	187	198	202
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	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 [496/602 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	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
3.0 [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	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
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	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	952	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]	1200 [566]
					RPM	831	854	894	932	972	1005	1042	1091
					Watts	276	282	297	307	319	326	341	341
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	CFM	1550 [732]	1520 [717]	1486 [701]	1449 [684]	1407 [664]	1382 [652]	1337 [631]	1200 [566]
					RPM	867	890	930	974	1003	1039	1073	1091
					Watts	317	323	339	355	362	377	385	385
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	1692 [799]	1661 [784]	1633 [771]	1589 [750]	1560 [736]	1512 [714]	1442 [681]	1200 [566]
					RPM	931	950	982	1018	1054	1082	1103	1103
					Watts	404	409	424	434	450	453	443	443
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	1748 [825]	1718 [811]	1686 [796]	1647 [777]	1616 [778]	1543 [779]	1472 [780]	1200 [566]
					RPM	955	978	1010	1043	1073	1096	1111	1111
					Watts	440	446	462	475	484	473	459	459

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

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)			
CFM [L/s]	600 [283]	800 [378]	1600 [775]
Pressure Drop—Inches W.C. [kPa]	.00	.01 [.002]	.07 [.017]

[ ] Designates Metric Conversions

### ELECTRICAL DATA – RQPL- SERIES

		<b>-B024JK</b>	<b>B025JK</b>	<b>-B030JK</b>	<b>-B036CK</b>	<b>-B036JK</b>	<b>-B042CK</b>	<b>-B042JK</b>	<b>-B048CK</b>	<b>-B048JK</b>
<b>Unit Information</b>	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
<b>Compressor Motor</b>	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
<b>Condenser Motor</b>	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
<b>Evaporator Fan</b>	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
RQPL-B024JK & RQPL-B025JK	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
RQPL-B030JK	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
RQPL-B036JK	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
	RXQJ-A15J (208-240 volt, 1-ph, 15kW)
RQPL-B042JK	RXQJ-10J (208-240 volt, 1-ph, 10kW)
	RXQJ-15J (208-240 volt, 1-ph, 15kW)
RQPL-B048JK	RXQJ-10J (208-240 volt, 1-ph, 10kW)
	RXQJ-15J (208-240 volt, 1-ph, 15kW)
RQPL-B036CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
RQPL-B042CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
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.**

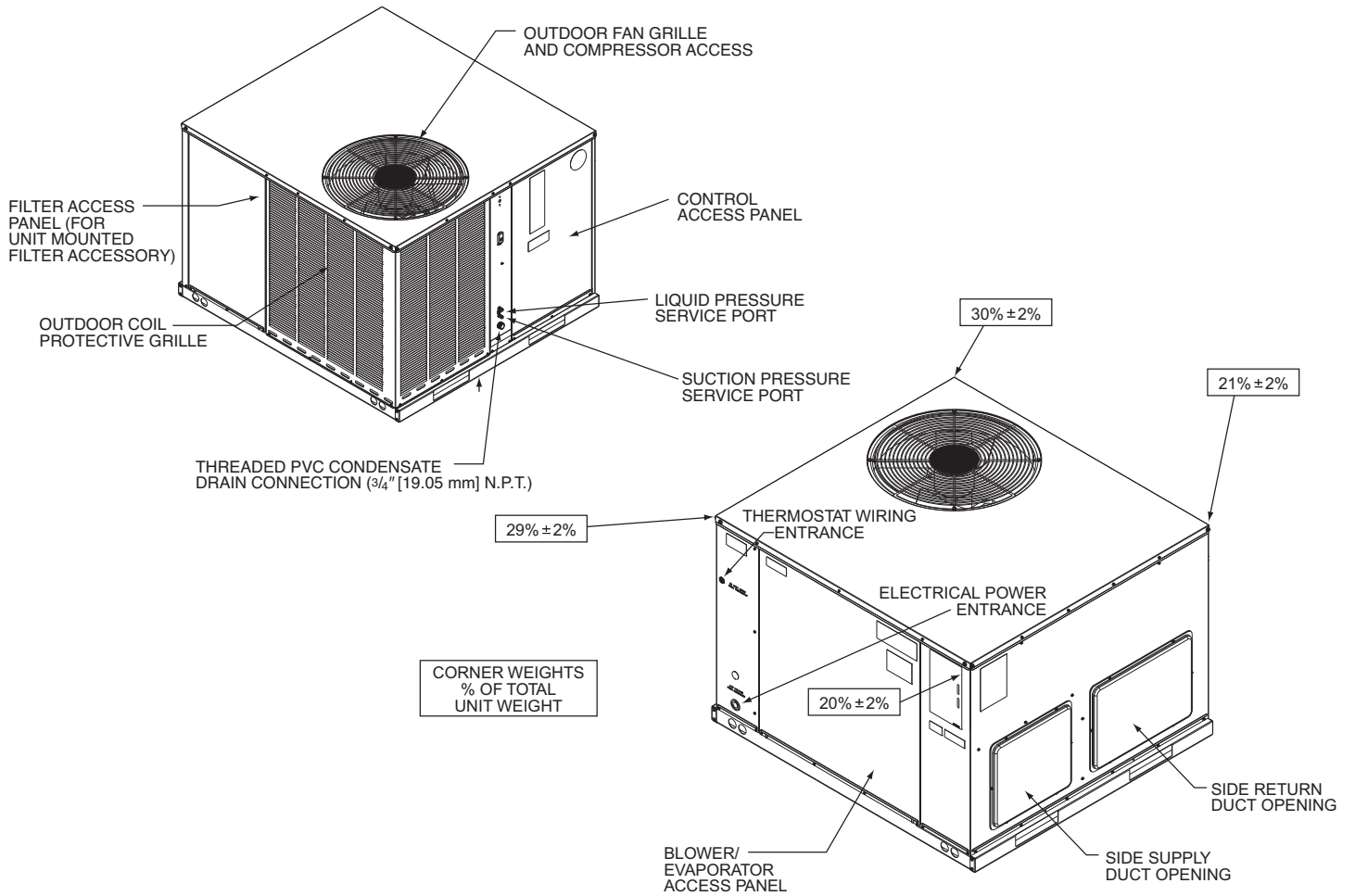


**208-240 VOLT, SINGLE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION**

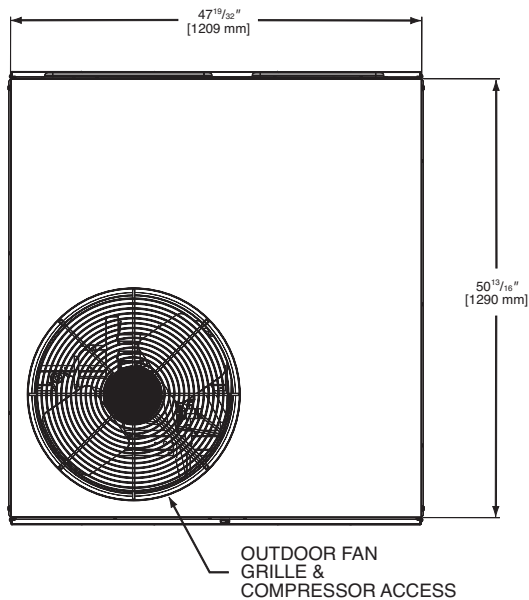
Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit						
Unit Model No. RQPL-	Heater Kit					Heat Pump					Heater Kit			Heat Pump		
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size @ 240 V		Min. Circuit Ampacity 208-240 V	Max. Fuse Size 208/240V	Min. Ckt. Ampacity 208/240V	Over Current Protective Device Size @ 208 V			
								Min./Max.	Min./Max.				Min./Max.	Min./Max.		
B024JK	No Heat	—	—	—	—	—	21/21	30/30	30/30	21/21	—	—	30/30	30/30		
B025JK	A05J A10J	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	50/50 70/80	50/50 70/80	22/25 44/50	25/25 45/50	—	—	—		
B030JK	No Heat	—	—	—	—	24/24	35/35	35/35	35/35	24/24	—	—	35/35	35/35		
B030JK	A05J A10J	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	50/50 70/80	50/50 70/80	22/25 44/50	25/25 45/50	—	—	—		
B036JK	No Heat	—	—	—	—	27/27	40/40	40/40	40/40	—	—	—	40/40	40/40		
B036JK	A10J A15J	2 3	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	70/80 100/110	70/80 100/110	44/50 65/75	45/50 70/80	—	—	—		
B042JK	No Heat	—	—	—	—	33/33	50/50	50/50	50/50	—	—	—	50/50	50/50		
B042JK	B10J B15J	2 3	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	80/90 100/110	80/90 100/110	44/50 65/75	45/50 70/80	—	—	—		
B048JK	No Heat	—	—	—	—	37/37	50/50	50/50	50/50	—	—	—	50/50	50/50		
B048JK	B10J B15J	2 3	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	90/90 110/125	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**

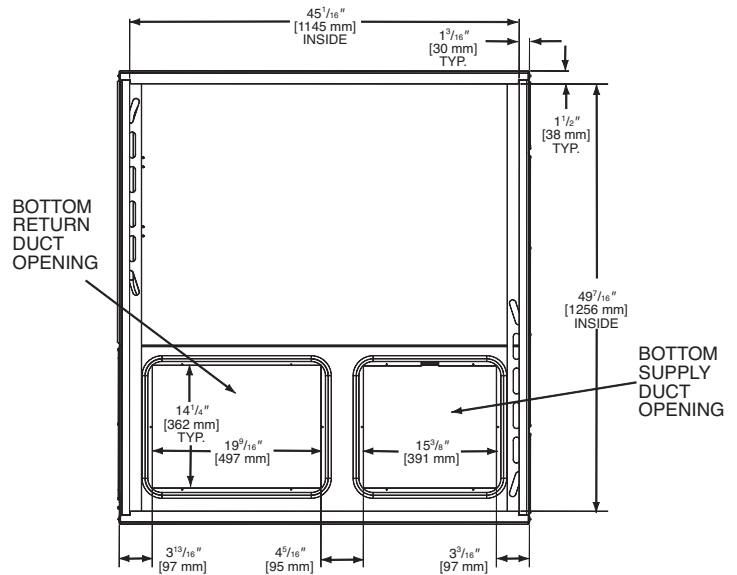
Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit						
Unit Model No. RQPL-	Heater Kit					Heat Pump					Heater Kit			Heat Pump		
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size @ 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./Max.	Min./Max.				Min./Max.	Min./Max.		
B036CK	No Heat	—	—	—	—	—	19/19	25/25	25/25	19/19	—	—	25/25	25/25		
B036CK	A10C A15C	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	45/50 60/70	45/50 60/70	25/29 38/44	25/30 40/45	—	—	—		
B042CK	No Heat	—	—	—	—	25/25	35/35	35/35	35/35	—	—	—	35/35	35/35		
B042CK	A10C A15C	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	50/60 70/70	50/60 70/70	25/29 38/44	25/30 40/45	—	—	—		
B048CK	No Heat	—	—	—	—	26/26	35/35	35/35	35/35	—	—	—	35/35	35/35		
B048CK	A10C A15C	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	60/60 70/70	60/60 70/70	25/29 38/44	25/30 40/45	—	—	—		



**TOP VIEW**

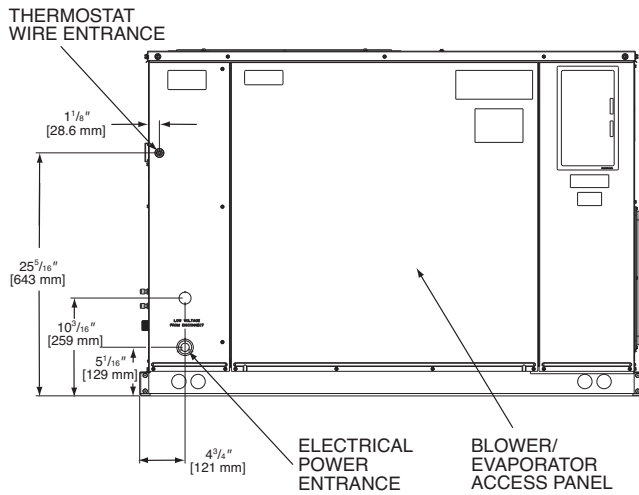


**BOTTOM VIEW**

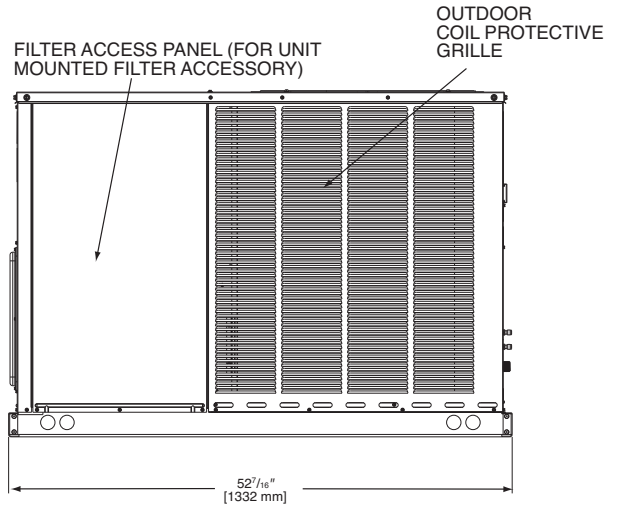


[ ] Designates Metric Conversions

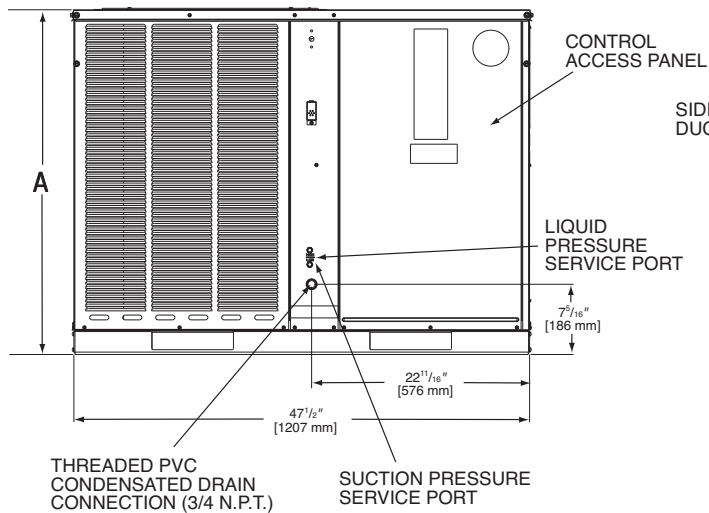
**SIDE VIEW**



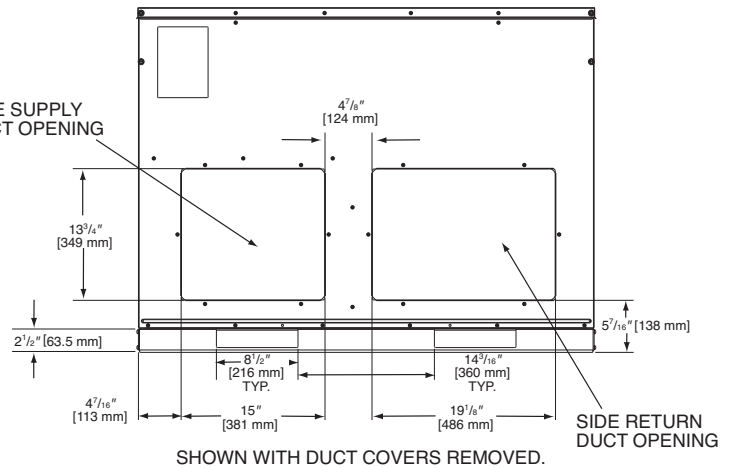
**SIDE VIEW**



**FRONT VIEW**



**BACK VIEW**

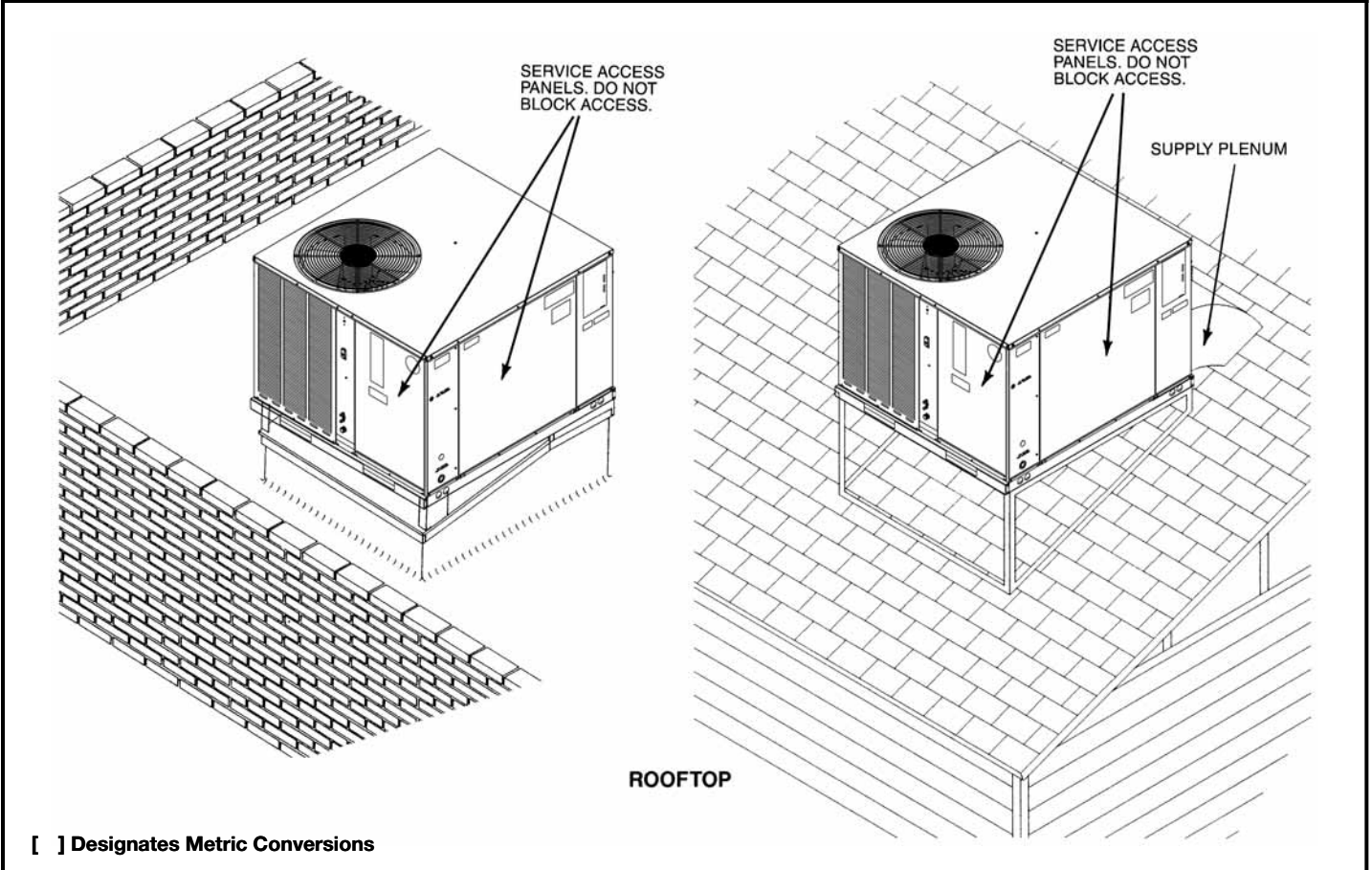
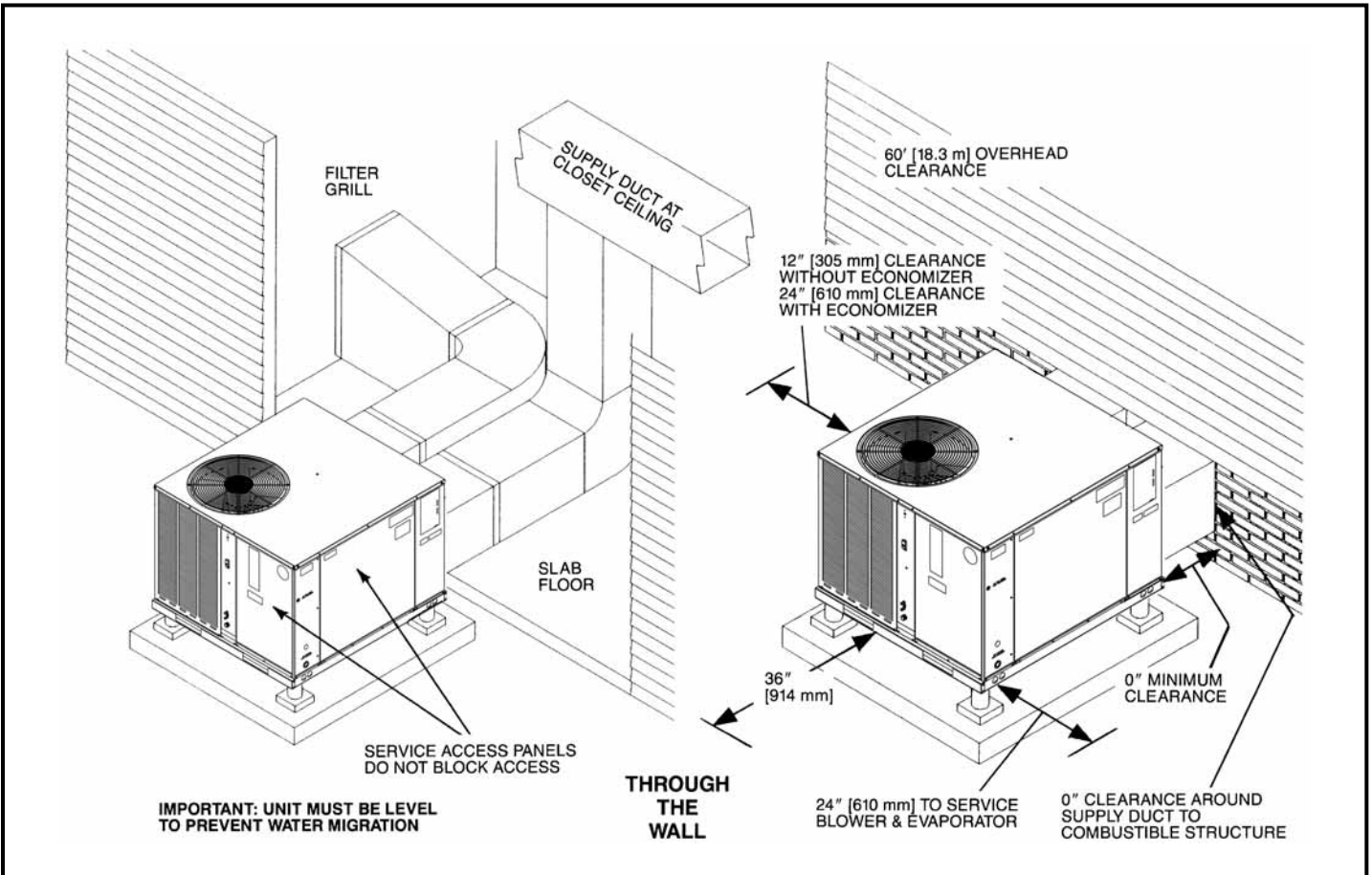


**IMPORTANT:**  
INSTALLATION MUST NOT INTERFERE WITH DRAINAGE OPENINGS IN BOTTOM OF UNIT UNDER OUTDOOR COIL.

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

**IMPORTANT:**  
UNIT MUST BE LEVEL TO PREVENT WATER MIGRATION.

[ ] Designates Metric Conversions



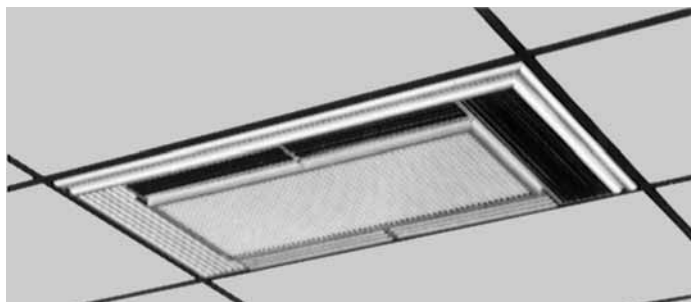
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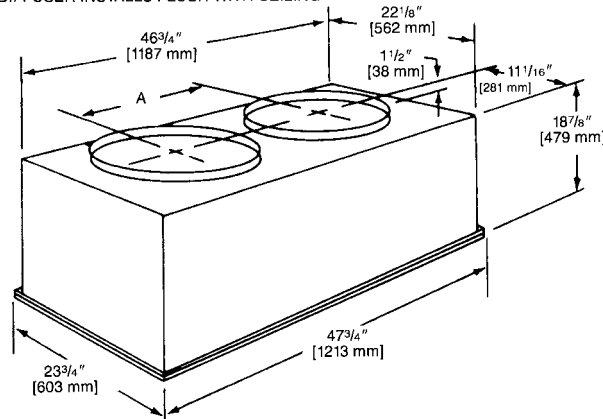
## ACCESSORY EQUIPMENT

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

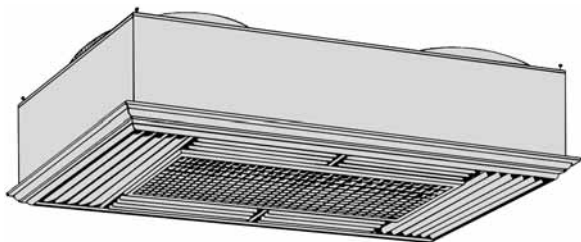
## COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



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

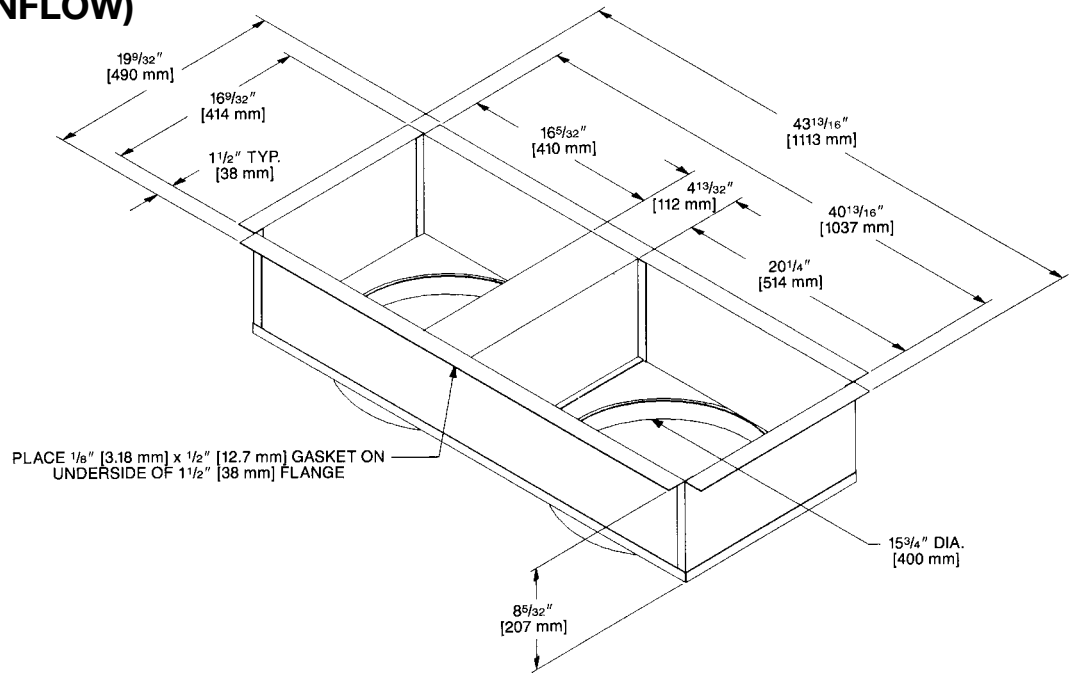
Brand	Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
RHC	-	213	UN	MS
RHC=Rheem	TST=Thermostat	200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable 500=Communicating/ Programmable	GE=Gas/Electric UN=Universal (AC/HP/GE) MD=Modulating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

\* Photos are representative. Actual models may vary.

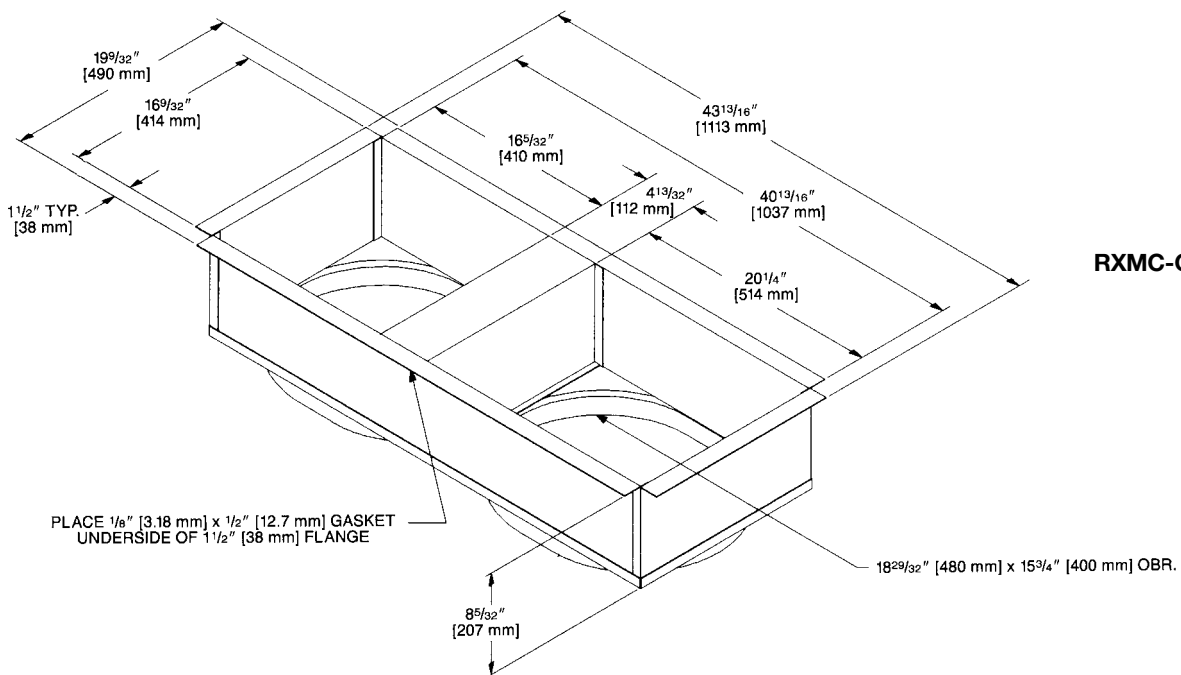
For detailed thermostat match-up information,  
see specification sheet form number T11-001.

# DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

**RXMC-CA02**



**RXMC-CA03**



[ ] Designates Metric Conversions

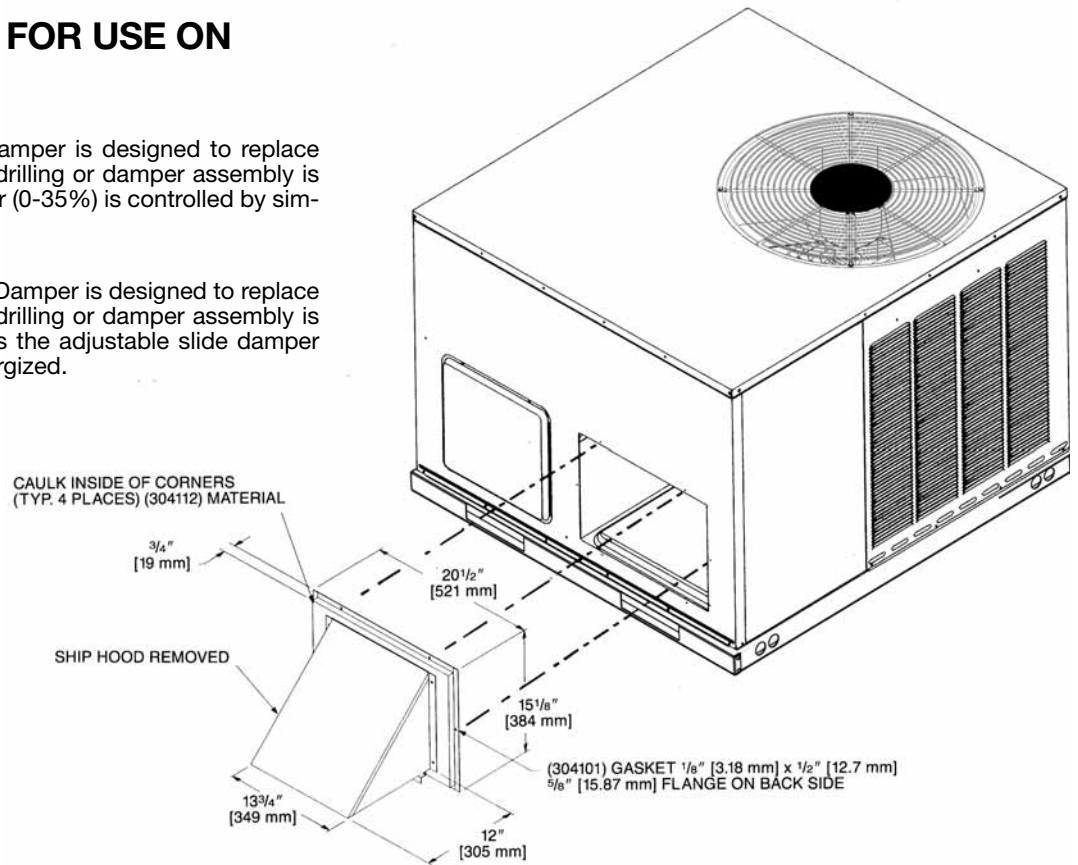
## FRESH AIR DAMPER FOR USE ON RQPL- SERIES

### 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

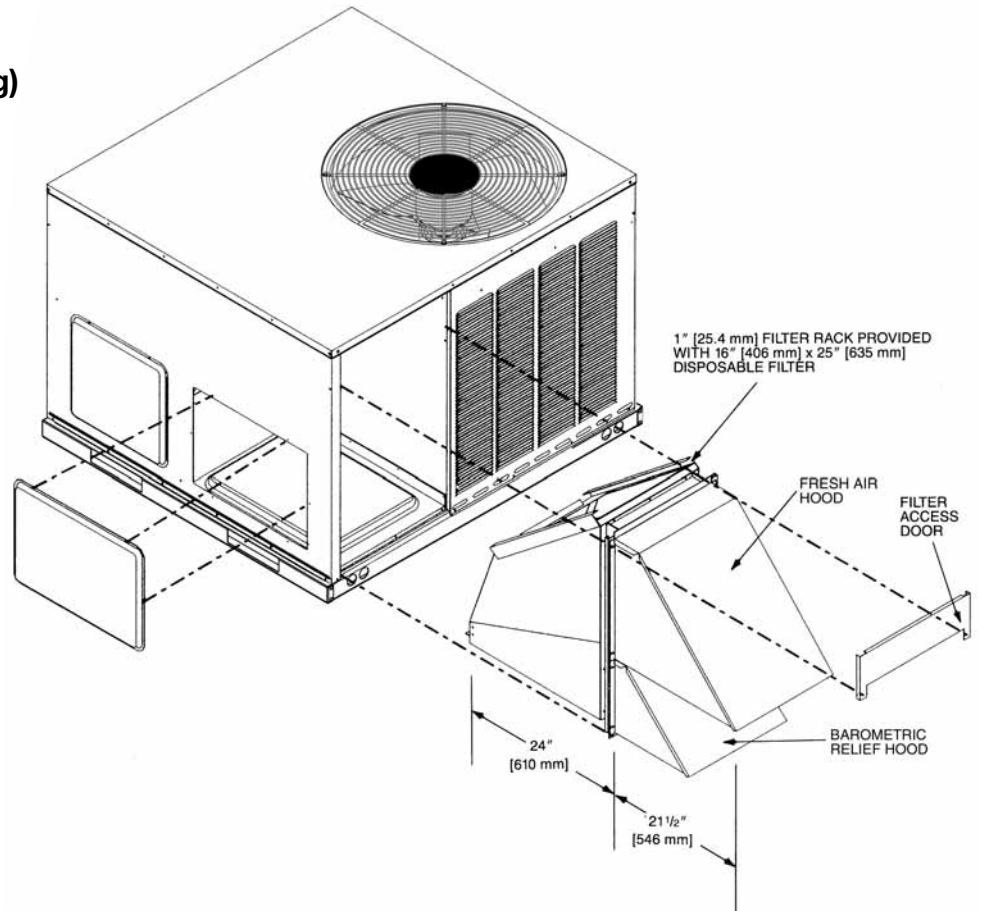
### AXRE-CAA30 (3 Position) and AXRD-CAM10 (Fully Modulating) RQPL- Series Downflow Application

#### 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

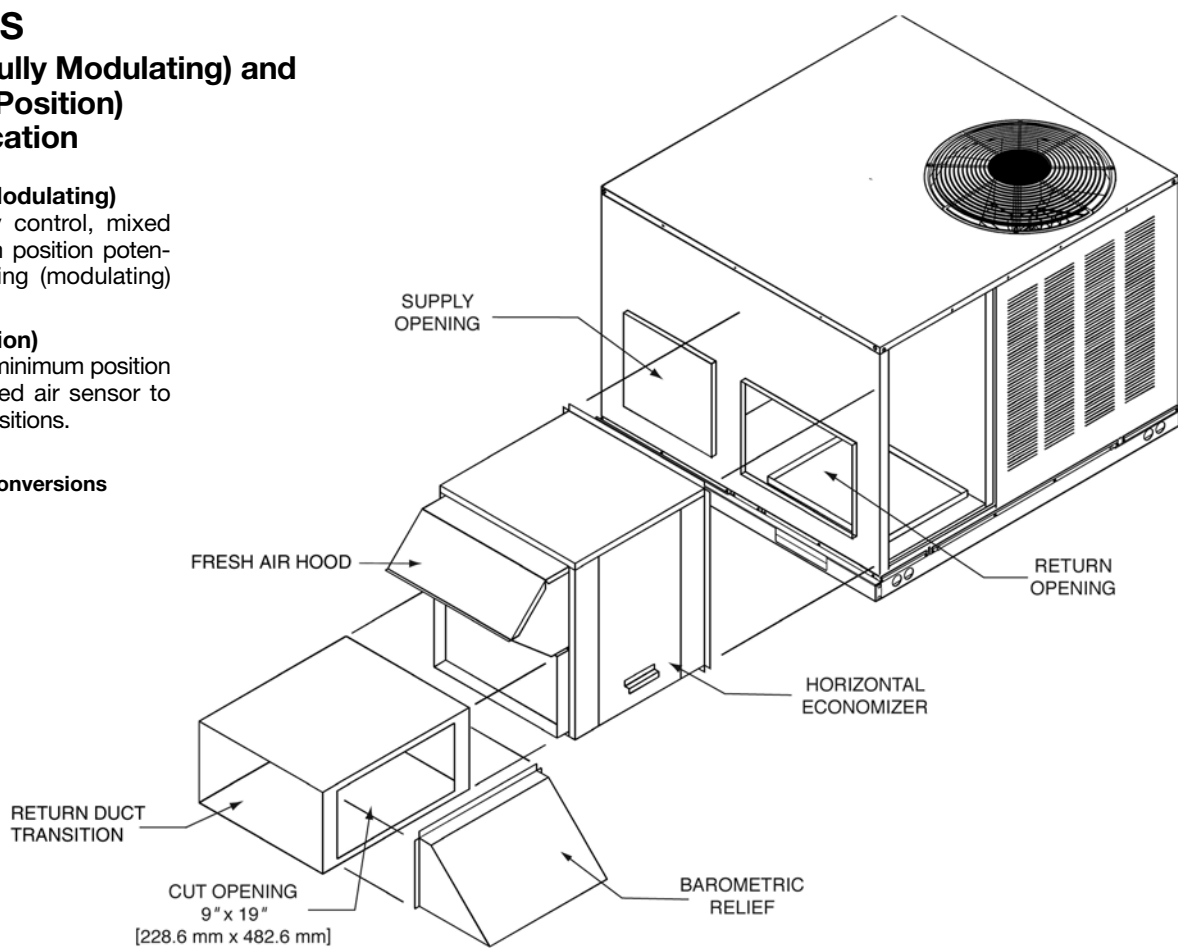
#### AXRD-CCM10 (Fully Modulating)

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.

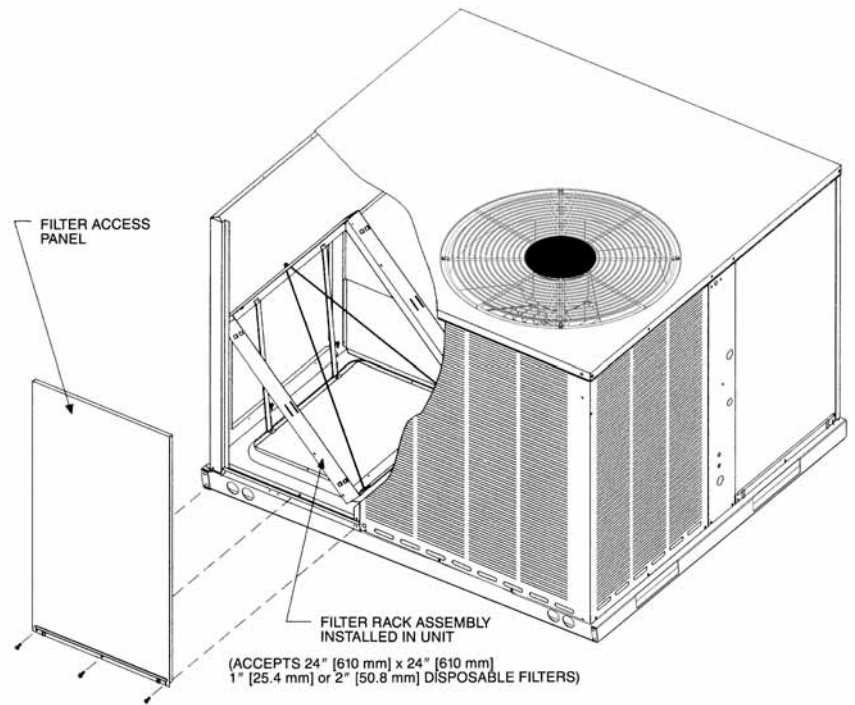
[ ] Designates Metric Conversions



# 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]

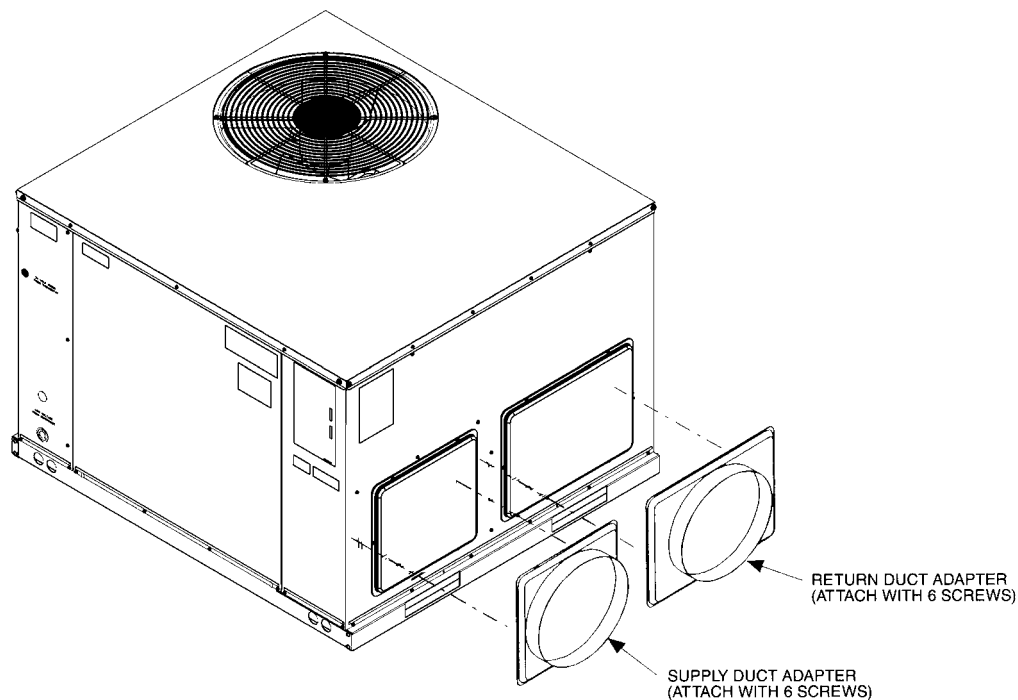
Airflow Pressure Drop, Inches W.C. [kPa]		
CFM [L/s]	1" Filter	2" Filter
500 [236]	.02 [.0050]	.03 [.0075]
600 [283]	.02 [.0050]	.03 [.0075]
700 [330]	.03 [.0075]	.04 [.0101]
800 [378]	.04 [.0101]	.05 [.0124]
900 [425]	.05 [.0124]	.06 [.0149]
1000 [472]	.07 [.0174]	.08 [.0199]
1100 [519]	.08 [.0199]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

[ ] Designates Metric Conversions

## **DUCT ADAPTER SIDEFLOW SQUARE TO ROUND TRANSITION 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

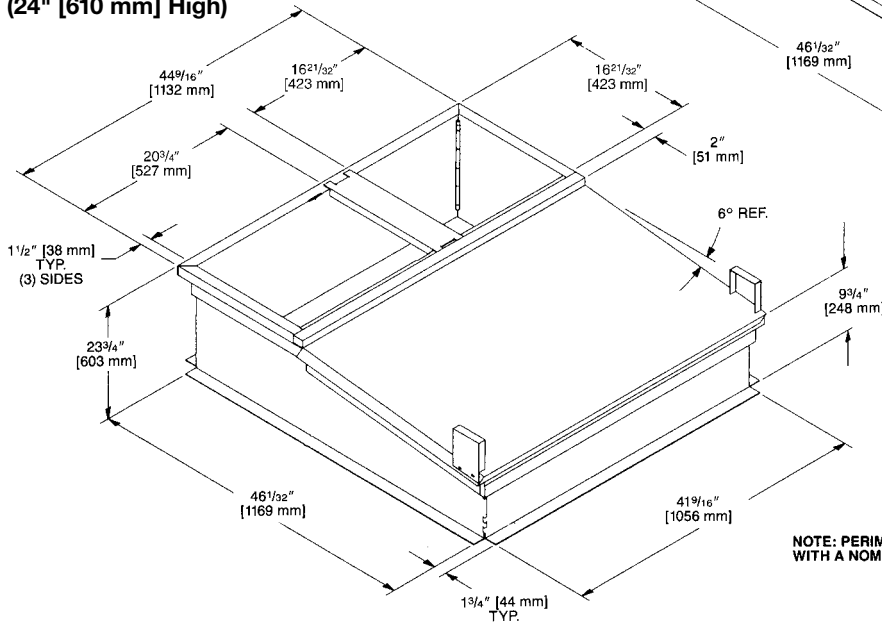


## Roofcurb (Sloped) RXQG-AAA14 & RXQG-AAA24 for RQPL- Series

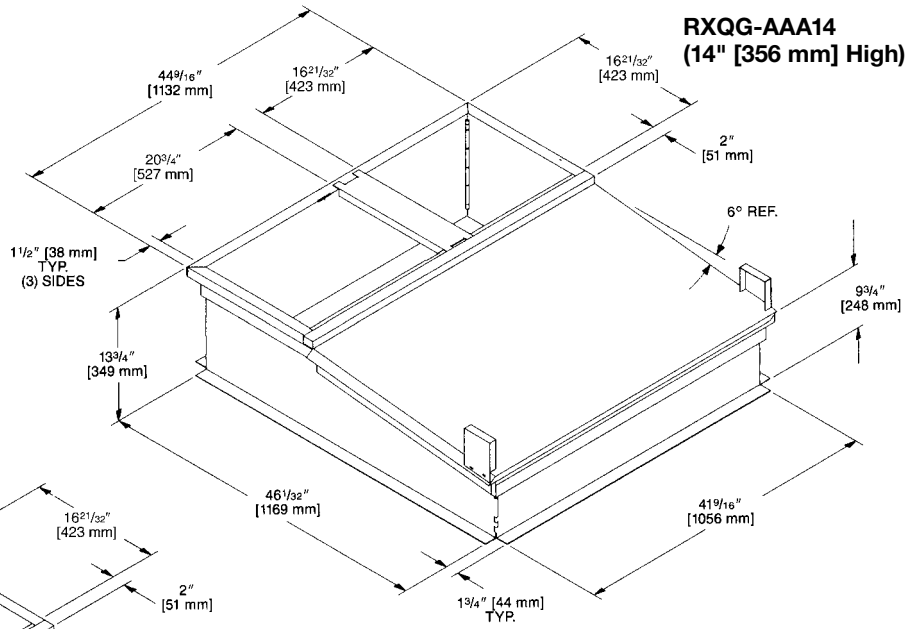
**Note:** Heat pump models must use sloped curbs.

Hinged corners make for fast, easy set-up.

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

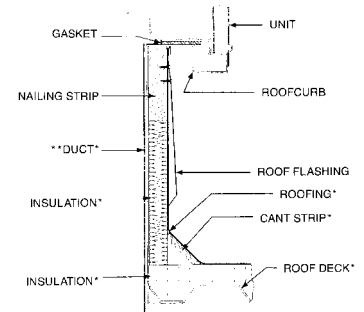
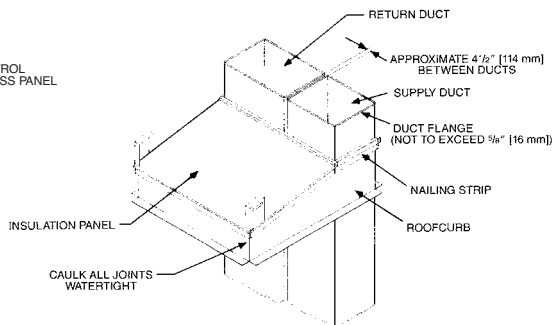
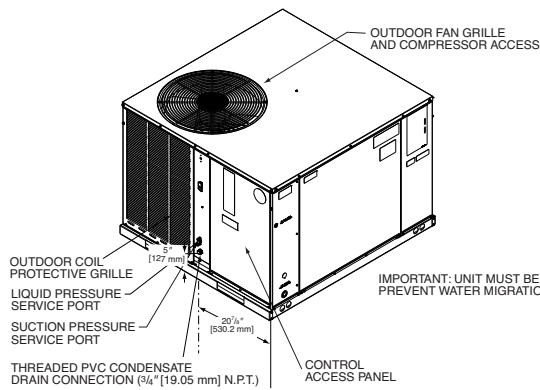


### RXQG-AAA14 (14" [356 mm] High)



**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)



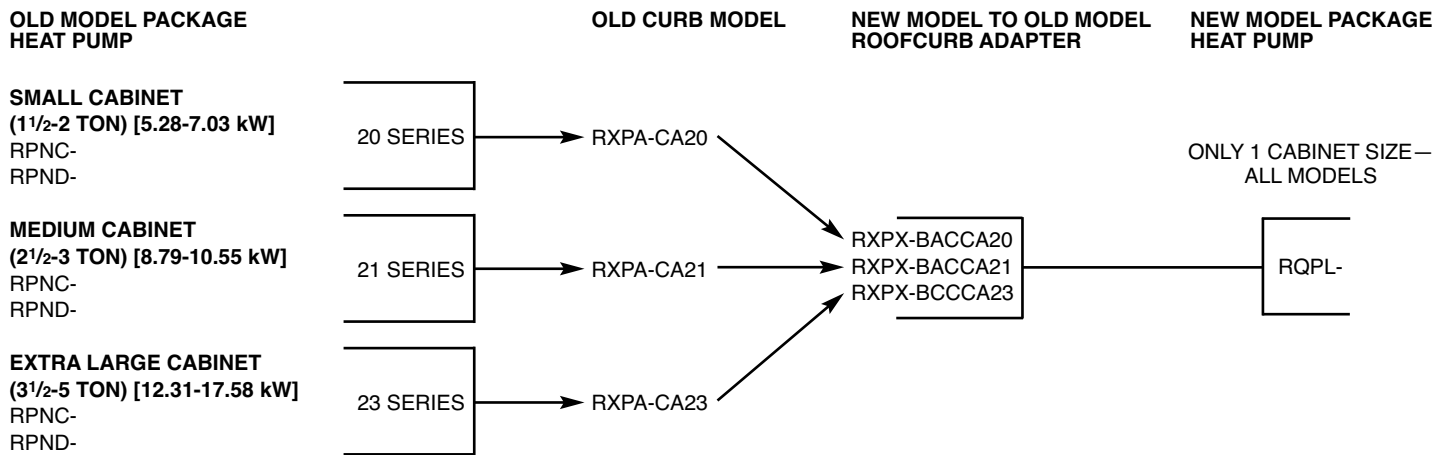
\*BY CONTRACTOR  
\*\*FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

[ ] 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

**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 and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.

**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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