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Air

Package Heat Pump
RQPL Series

Rheem *Commercial Classic®* Series Package Heat Pump



RQPL- High Efficiency 14-SEER Series

Nominal Sizes 2-4 Tons [7.03-14.07 kW]

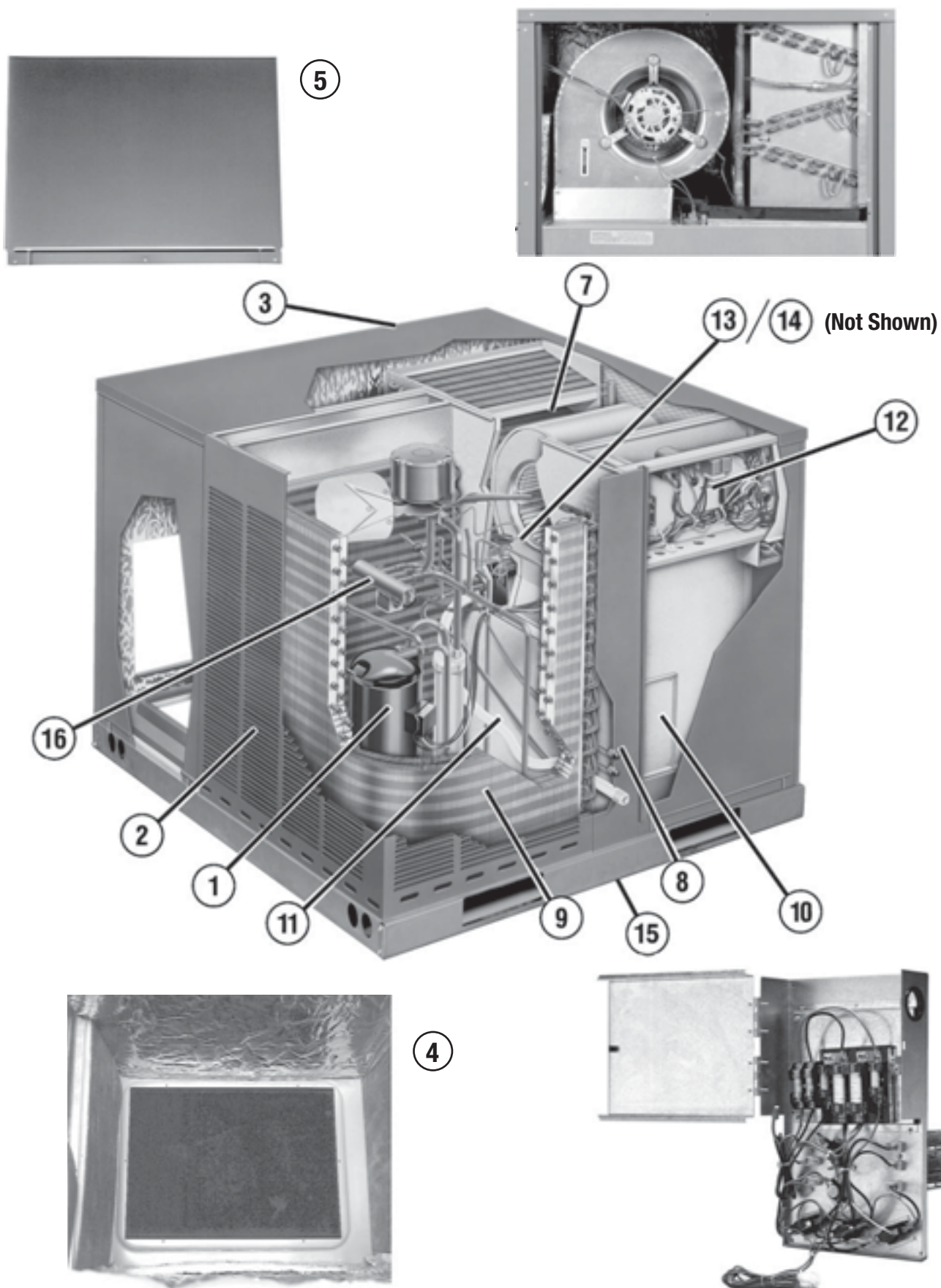


INTEGRATED AIR & WATER

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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 Baseraill 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

Factory Installed Options
(See Next Page)

Heating Capacity (Factory Installed)
000 = No Resistance Heat
005 = 05 KW Resistance Heat (018-030)
010 = 10 KW Resistance Heat (024-048)
015 = 15 KW Resistance Heat (036-048)

Drive Package
K = Direct Drive

Electrical Designation
J = 208-230V—1PH—60 Hz
C = 208-230V—3PH—60 Hz

Cooling Capacity (BTUH) [kW]
B024 = 24,000 [7.03]
B025 = 24,000 [7.03]
B030 = 30,000 [8.79]
C036 = 36,000 [10.55]
B042 = 42,000 [12.31]
B049 = 48,000 [14.07]

Design Series
L = R-410A

Efficiency Designation
P = 14 SEER High Efficiency

Product Classification
Q = Package Heat Pump

Tradebrand
R = Rheem

[] Designates Metric Conversions

Instructions for Factory Installed Option(s) Selection

Note: Two characters following the model number will be utilized to designate a factory-installed option or combination of options. If no factory option(s) is required, nothing follows the model number.

Step 1. After a basic rooftop model is selected, choose a *three-character* option code from the FACTORY INSTALLED OPTION SELECTION TABLE.

FACTORY INSTALLED OPTION CODES

Option Codes	Low Ambient/High Pressure	Tin Plated Hairpin Coil
AUA		X

Example: RQPL-C036JK000XXX (where XXX is factory installed option)

Example: No Options
RQPL-C036JK000

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	C036CK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	25,000 [7.32]	24,400 [7.15]	29,800 [8.73]	35,000 [10.25]
EER/SEER ²	11.8/14	12/14.3	12/14.3	11/14
Nominal CFM/AHRI Rated CFM [L/s]	800/850 [378/401]	800/850 [378/401]	1000/1050 [472/495]	1200/1300 [566/613]
AHRI Net Cooling Capacity Btu [kW]	24,400 [7.15]	23,800 [6.97]	29,200 [8.56]	34,200 [10.02]
Net Sensible Capacity Btu [kW]	18,800 [5.51]	17,800 [5.22]	23,000 [6.74]	27,500 [8.06]
Net Latent Capacity Btu [kW]	5,600 [1.64]	6,000 [1.76]	6,200 [1.82]	6,700 [1.96]
Net System Power kW	2.07	1.95	2.48	2.96
Heating Performance (Heat Pumps)⁴				
High Temp. Btuh [kW] Rating	23,800 [6.97]	23,600 [6.91]	27,800 [8.15]	33,000 [9.67]
System Power KW / COP	1.99/3.5	1.87/3.7	2.26/3.6	2.97/3.4
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	1.84/2.2	1.69/2.24	2.06/2.2	2.72/2
HSPF (Btu/Watts-hr)	8	8	8	8
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³	76	76	76	76
Outdoor Coil—Fin Type	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]	16.32 [1.52]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Indoor Coil—Fin Type	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]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2700 [1274]	2700 [1274]	2700 [1274]	2700 [1274]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	869	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [229x178]	1/9x7 [229x178]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/3	1/3	1/2	1/2
Motor RPM	1050	1050	1050	1050
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	98 [2778]	98 [2778]	108 [3062]	184 [5216]
Weights				
Net Weight lbs. [kg]	391 [177]	391 [177]	444 [201]	508 [230]
Ship Weight lbs. [kg]	401 [182]	401 [182]	455 [206]	519 [235]

See Page 10 for Notes.

[] Designates Metric Conversions

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

Model RQPL- Series	C036JK	B042CK	B042JK	B049CK
Cooling Performance¹				CONTINUED 
Gross Cooling Capacity Btu [kW]	35,000 [10.25]	43,500 [12.75]	43,500 [12.75]	47,500 [13.92]
EER/SEER ²	11/14	11.3/14	11.3/14	11.5/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1300 [566/613]	1400/1400 [661/661]	1400/1400 [661/661]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	34,200 [10.02]	42,500 [12.45]	42,500 [12.45]	46,000 [13.48]
Net Sensible Capacity Btu [kW]	27,500 [8.06]	31,650 [9.27]	31,650 [9.27]	34,650 [10.15]
Net Latent Capacity Btu [kW]	6,700 [1.96]	10,850 [3.18]	10,850 [3.18]	11,350 [3.33]
Net System Power kW	2.96	3.76	3.76	4
Heating Performance (Heat Pumps)⁴				
High Temp. Btuh [kW] Rating	33,000 [9.67]	41,500 [12.16]	41,500 [12.16]	46,000 [13.48]
System Power KW / COP	2.97/3.4	3.58/3.4	3.58/3.4	3.87/3.48
Low Temp. Btuh [kW] Rating	18,000 [5.27]	24,200 [7.09]	24,200 [7.09]	26,200 [7.68]
System Power KW / COP	2.72/2	3.41/2.08	3.41/2.08	3.55/2.2
HSPF (Btu/Watts-hr)	8	8	8	8
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³	76	76	76	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.32 [1.52]	16.32 [1.52]	16.32 [1.52]	16.32 [1.52]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2700 [1274]	3300 [1557]	3300 [1557]	3000 [1416]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/2	3/4	3/4	3/4
Motor RPM	1050	1075	1075	1075
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	184 [5216]	176 [4990]	176 [4990]	177 [5018]
Weights				
Net Weight lbs. [kg]	508 [230]	508 [230]	505 [229]	500 [227]
Ship Weight lbs. [kg]	519 [235]	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	B049JK
Cooling Performance¹	
Gross Cooling Capacity Btu [kW]	47,500 [13.92]
EER/SEER ²	11.5/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	46,000 [13.48]
Net Sensible Capacity Btu [kW]	34,650 [10.15]
Net Latent Capacity Btu [kW]	11,350 [3.33]
Net System Power kW	4
Heating Performance (Heat Pumps)⁴	
High Temp. Btuh [kW] Rating	46,000 [13.48]
System Power KW / COP	3.87/3.48
Low Temp. Btuh [kW] Rating	26,200 [7.68]
System Power KW / COP	3.55/2.2
HSPF (Btu/Watts-hr)	8
Compressor	
No./Type	1/Scroll
Outdoor Sound Rating (dB)³	
	78
Outdoor Coil—Fin Type	
Tube Type	Louvered
Tube Size in. [mm] OD	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]
Rows / FPI [FPcm]	16.32 [1.52]
Refrigerant Control	2 / 22 [9]
	TX Valves
Indoor Coil—Fin Type	
Tube Type	Louvered
Tube Size in. [mm]	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]
Rows / FPI [FPcm]	7.39 [0.69]
Refrigerant Control	2 / 15 [6]
	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]
Outdoor Fan—Type	
	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1
CFM [L/s]	3000 [1416]
No. Motors/HP	1 at 1/3 HP
Motor RPM	1075
Indoor Fan—Type	
	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]
Drive Type	Direct
No. Speeds	Multiple
No. Motors	1
Motor HP	3/4
Motor RPM	1075
Motor Frame Size	48
Filter—Type	
	Field Supplied
Furnished	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	
	177 [5018]
Weights	
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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

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

IDB—Indoor air dry bulb

[] Designates Metric Conversions





COOLING PERFORMANCE DATA—RQPL-025

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]
DR ①			.15	.17	.19	.15	.17	.19	.15	.17	.19
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	30.4 [8.9]	29.9 [8.8]	29.3 [8.6]	28.5 [8.4]	28.0 [8.2]	27.5 [8.1]	26.8 [7.9]	26.4 [7.7]	25.9 [7.6]
		Sens BTUH [kW]	18.8 [5.5]	17.5 [5.1]	16.1 [4.7]	22.1 [6.5]	20.7 [6.1]	19.2 [5.6]	24.4 [7.2]	23.0 [6.8]	21.4 [6.3]
		Power	1.5	1.4	1.4	1.5	1.5	1.4	1.5	1.5	1.4
	80 [26.7]	Total BTUH [kW]	29.6 [8.7]	29.1 [8.5]	28.5 [8.4]	27.7 [8.1]	27.2 [8.0]	26.7 [7.8]	26.0 [7.6]	25.6 [7.5]	25.1 [7.4]
		Sens BTUH [kW]	18.2 [5.3]	16.9 [5.0]	15.5 [4.6]	21.5 [6.3]	20.1 [5.9]	18.6 [5.5]	23.8 [7.0]	22.4 [6.6]	20.8 [6.1]
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5
	85 [29.4]	Total BTUH [kW]	28.7 [8.4]	28.2 [8.3]	27.6 [8.1]	26.8 [7.9]	26.3 [7.7]	25.8 [7.6]	25.1 [7.4]	24.7 [7.2]	24.2 [7.1]
		Sens BTUH [kW]	17.5 [5.1]	16.3 [4.8]	14.9 [4.4]	20.9 [6.1]	19.5 [5.7]	18.1 [5.3]	23.2 [6.8]	21.8 [6.4]	20.2 [5.9]
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
90 [32.2]	Total BTUH [kW]	27.7 [8.1]	27.2 [8.0]	26.7 [7.8]	25.8 [7.6]	25.4 [7.4]	24.9 [7.3]	24.1 [7.1]	23.7 [6.9]	23.3 [6.8]	
	Sens BTUH [kW]	16.9 [5.0]	15.7 [4.6]	14.4 [4.2]	20.3 [6.0]	19.0 [5.6]	17.6 [5.2]	22.4 [6.6]	21.1 [6.2]	19.7 [5.8]	
	Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
95 [35]	Total BTUH [kW]	26.7 [7.8]	26.2 [7.7]	25.7 [7.5]	24.8 [7.3]	24.4 [7.2]	23.9 [7.0]	23.1 [6.8]	22.7 [6.7]	22.3 [6.5]	
	Sens BTUH [kW]	16.3 [4.8]	15.1 [4.4]	13.9 [4.1]	19.6 [5.8]	18.4 [5.4]	17.0 [5.0]	21.9 [6.4]	20.6 [6.0]	19.2 [5.6]	
	Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
100 [37.8]	Total BTUH [kW]	25.6 [7.5]	25.2 [7.4]	24.7 [7.2]	23.7 [6.9]	23.3 [6.8]	22.9 [6.7]	22.0 [6.4]	21.7 [6.4]	21.3 [6.2]	
	Sens BTUH [kW]	15.8 [4.6]	14.7 [4.3]	13.5 [4.0]	19.0 [5.6]	17.8 [5.2]	16.5 [4.8]	21.3 [6.3]	20.1 [5.9]	18.7 [5.5]	
	Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
105 [40.6]	Total BTUH [kW]	24.5 [7.2]	24.1 [7.1]	23.6 [6.9]	22.6 [6.6]	22.2 [6.5]	21.8 [6.4]	20.9 [6.1]	20.6 [6.0]	20.2 [5.9]	
	Sens BTUH [kW]	15.2 [4.5]	14.2 [4.2]	13.0 [3.8]	18.5 [5.4]	17.3 [5.1]	16.1 [4.7]	20.8 [6.1]	19.6 [5.8]	18.3 [5.4]	
	Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
110 [43.3]	Total BTUH [kW]	23.3 [6.8]	22.9 [6.7]	22.5 [6.6]	21.4 [6.3]	21.0 [6.2]	20.6 [6.0]	19.7 [5.8]	19.4 [5.7]	19.0 [5.6]	
	Sens BTUH [kW]	14.7 [4.3]	13.7 [4.0]	12.6 [3.7]	18.0 [5.3]	16.8 [4.9]	15.6 [4.6]	19.7 [5.8]	19.1 [5.6]	17.8 [5.2]	
	Power	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1	
115 [46.1]	Total BTUH [kW]	22.1 [6.5]	21.7 [6.4]	21.3 [6.2]	20.2 [5.9]	19.8 [5.8]	19.4 [5.7]	18.5 [5.4]	18.2 [5.3]	17.8 [5.2]	
	Sens BTUH [kW]	14.2 [4.2]	13.2 [3.9]	12.2 [3.6]	17.5 [5.1]	16.4 [4.8]	15.2 [4.5]	18.5 [5.4]	18.2 [5.3]	17.4 [5.1]	
	Power	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.2	

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

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

NOTES:

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

HEATING PERFORMANCE DATA—RQPL-025

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

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

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

NOTES:

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

HEATING PERFORMANCE DATA—RQPL-030

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] 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]			1430 [675]	1300 [614]	1170 [552]	1430 [675]	1300 [614]	1170 [552]	1430 [675]	1300 [614]	1170 [552]
DR			0.1	0.11	0.12	0.1	0.11	0.12	0.1	0.11	0.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	43.8 [12.8] 27.0 [7.9] 2.2	43.0 [12.6] 25.0 [7.3] 2.2	42.3 [12.4] 23.2 [6.8] 2.2	40.8 [12.0] 32.2 [9.4] 2.2	40.1 [11.7] 30.1 [8.8] 2.2	39.4 [11.5] 28.0 [8.2] 2.1	38.9 [11.4] 35.7 [10.5] 2.2	38.2 [11.2] 33.4 [9.8] 2.2	37.6 [11.0] 31.3 [9.2] 2.1
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	42.7 [12.5] 26.7 [7.8] 2.3	42.0 [12.3] 24.8 [7.3] 2.3	41.2 [12.1] 22.9 [6.7] 2.3	39.7 [11.6] 31.9 [9.3] 2.3	39.0 [11.4] 29.8 [8.7] 2.3	38.3 [11.2] 27.7 [8.1] 2.3	37.8 [11.1] 35.5 [10.4] 2.3	37.2 [10.9] 33.3 [9.8] 2.3	36.5 [10.7] 31.1 [9.1] 2.3
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	41.5 [12.2] 26.4 [7.7] 2.5	40.8 [12.0] 24.5 [7.2] 2.4	40.0 [11.7] 22.6 [6.6] 2.4	38.5 [11.3] 31.6 [9.3] 2.4	37.8 [11.1] 29.5 [8.6] 2.4	37.1 [10.9] 27.5 [8.1] 2.4	36.6 [10.7] 35.1 [10.3] 2.4	36.0 [10.5] 32.9 [9.6] 2.4	35.3 [10.3] 30.7 [9.0] 2.4
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	40.2 [11.8] 25.9 [7.6] 2.6	39.4 [11.5] 23.9 [7.0] 2.6	38.7 [11.3] 22.1 [6.5] 2.5	37.2 [10.9] 31.1 [9.1] 2.6	36.5 [10.7] 29.0 [8.5] 2.6	35.8 [10.5] 27.0 [7.9] 2.5	35.3 [10.3] 34.5 [10.1] 2.6	34.7 [10.2] 32.4 [9.5] 2.6	34.0 [10.0] 30.2 [8.8] 2.5
	95 [35.0]	Total BTUH [kW] Sens BTUH [kW] Power	38.7 [11.3] 25.1 [7.4] 2.7	38.0 [11.1] 23.3 [6.8] 2.7	37.3 [10.9] 21.5 [6.3] 2.7	35.7 [10.5] 30.4 [8.9] 2.7	35.1 [10.3] 28.4 [8.3] 2.7	34.4 [10.1] 26.4 [7.7] 2.7	33.8 [9.9] 33.8 [9.9] 2.7	33.2 [9.7] 31.7 [9.3] 2.7	32.6 [9.6] 29.6 [8.7] 2.7
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	37.1 [10.9] 24.3 [7.1] 2.9	36.5 [10.7] 22.6 [6.6] 2.9	35.8 [10.5] 20.9 [6.1] 2.9	34.1 [10.0] 29.5 [8.6] 2.9	33.5 [9.8] 27.6 [8.1] 2.9	32.9 [9.6] 25.7 [7.5] 2.8	32.2 [9.4] 32.2 [9.4] 2.9	31.7 [9.3] 31.0 [9.1] 2.9	31.1 [9.1] 29.0 [8.5] 2.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	35.4 [10.4] 23.3 [6.8] 3.1	34.8 [10.2] 21.7 [6.4] 3.0	34.1 [10.0] 20.0 [5.9] 3.0	32.4 [9.5] 28.6 [8.4] 3.1	31.8 [9.3] 26.7 [7.8] 3.0	31.2 [9.1] 24.9 [7.3] 3.0	30.5 [8.9] 30.5 [8.9] 3.1	30.0 [8.8] 30.0 [8.8] 3.0	29.4 [8.6] 28.1 [8.2] 3.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	33.6 [9.8] 22.3 [6.5] 3.2	33.0 [9.7] 20.7 [6.1] 3.2	32.4 [9.5] 19.2 [5.6] 3.2	30.6 [9.0] 27.5 [8.1] 3.2	30.0 [8.8] 25.7 [7.5] 3.2	29.5 [8.6] 24.0 [7.0] 3.2	28.7 [8.4] 28.7 [8.4] 3.2	28.2 [8.3] 28.2 [8.3] 3.2	27.7 [8.1] 27.3 [8.0] 3.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	31.6 [9.3] 21.0 [6.2] 3.4	31.1 [9.1] 19.6 [5.7] 3.4	30.5 [8.9] 18.1 [5.3] 3.4	28.6 [8.4] 26.3 [7.7] 3.4	28.1 [8.2] 24.6 [7.2] 3.4	27.6 [8.1] 23.0 [6.7] 3.4	26.8 [7.9] 26.8 [7.9] 3.4	26.3 [7.7] 26.3 [7.7] 3.4	25.8 [7.6] 25.8 [7.6] 3.4

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]			1430 [675]	1300 [614]	1170 [552]	1430 [675]	1300 [614]	1170 [552]	1430 [675]	1300 [614]	1170 [552]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	9.3 [2.7] 1.9	9.2 [2.7] 1.9	9.1 [2.7] 2.0	8.6 [2.5] 2.2	8.6 [2.5] 2.2	8.5 [2.5] 2.2	8.0 [2.3] 2.5	7.9 [2.3] 2.5	7.9 [2.3] 2.5
	5 [-15]	Total BTUH [kW] Power	11.8 [3.5] 2.0	11.7 [3.4] 2.0	11.6 [3.4] 2.0	11.2 [3.3] 2.2	11.1 [3.3] 2.2	11.0 [3.2] 2.3	10.5 [3.1] 2.5	10.5 [3.1] 2.6	10.4 [3.0] 2.6
	10 [-12.2]	Total BTUH [kW] Power	14.3 [4.2] 2.0	14.2 [4.2] 2.1	14.1 [4.1] 2.1	13.7 [4.0] 2.3	13.6 [4.0] 2.3	13.5 [4.0] 2.3	13.1 [3.8] 2.6	13.0 [3.8] 2.6	12.9 [3.8] 2.7
	15 [-9.4]	Total BTUH [kW] Power	16.8 [4.9] 2.1	16.7 [4.9] 2.1	16.6 [4.9] 2.1	16.2 [4.7] 2.3	16.1 [4.7] 2.4	16.0 [4.7] 2.4	15.6 [4.6] 2.7	15.5 [4.5] 2.7	15.4 [4.5] 2.7
	20 [-6.7]	Total BTUH [kW] Power	19.4 [5.7] 2.1	19.2 [5.6] 2.2	19.1 [5.6] 2.2	18.7 [5.5] 2.4	18.6 [5.4] 2.4	18.5 [5.4] 2.4	18.1 [5.3] 2.7	18.0 [5.3] 2.7	17.8 [5.2] 2.8
	25 [-3.9]	Total BTUH [kW] Power	21.9 [6.4] 2.2	21.7 [6.4] 2.2	21.6 [6.3] 2.3	21.3 [6.2] 2.4	21.1 [6.2] 2.5	21.0 [6.2] 2.5	20.6 [6.0] 2.8	20.5 [6.0] 2.8	20.3 [5.9] 2.8
	30 [-1.1]	Total BTUH [kW] Power	24.4 [7.1] 2.3	24.3 [7.1] 2.3	24.1 [7.1] 2.3	23.8 [7.0] 2.5	23.6 [6.9] 2.5	23.5 [6.9] 2.6	23.2 [6.8] 2.8	23.0 [6.7] 2.9	22.8 [6.7] 2.9
	35 [1.7]	Total BTUH [kW] Power	27.0 [7.9] 2.3	26.8 [7.9] 2.3	26.6 [7.8] 2.4	26.3 [7.7] 2.6	26.1 [7.6] 2.6	25.9 [7.6] 2.6	25.7 [7.5] 2.9	25.5 [7.5] 2.9	25.3 [7.4] 2.9
	40 [4.4]	Total BTUH [kW] Power	29.5 [8.6] 2.4	29.3 [8.6] 2.4	29.1 [8.5] 2.4	28.8 [8.4] 2.6	28.6 [8.4] 2.6	28.4 [8.3] 2.7	28.2 [8.3] 2.9	28.0 [8.2] 3.0	27.8 [8.1] 3.0
	45 [7.2]	Total BTUH [kW] Power	32.0 [9.4] 2.4	31.8 [9.3] 2.5	31.5 [9.2] 2.5	31.4 [9.2] 2.7	31.1 [9.1] 2.7	30.9 [9.1] 2.7	30.7 [9.0] 3.0	30.5 [8.9] 3.0	30.3 [8.9] 3.1
	50 [10]	Total BTUH [kW] Power	34.5 [10.1] 2.5	34.3 [10.0] 2.5	34.0 [10.0] 2.5	33.9 [9.9] 2.7	33.7 [9.9] 2.8	33.4 [9.8] 2.8	33.3 [9.8] 3.0	33.0 [9.7] 3.1	32.8 [9.6] 3.1

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	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	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	43.0 [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	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	40.0 [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	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	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	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	32.3 [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

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-B049C

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]				61°F [16.1°C]				59°F [15.0°C]			
CFM [L/s]		1760 [831]	1600 [755]	1440 [680]	1280 [604]	1760 [831]	1600 [755]	1440 [680]	1280 [604]	1760 [831]	1600 [755]	1440 [680]	1280 [604]	1760 [831]	1600 [755]	1440 [680]	1280 [604]	1760 [831]	1600 [755]	1440 [680]	
DR		0.14	0.12	0.1	0.1	0.14	0.12	0.1	0.1	0.14	0.12	0.1	0.1	0.14	0.12	0.1	0.1	0.14	0.12	0.1	
75 [23.9]	Total BTU/H [kW]	59.3 [17.4]	58.2 [17.1]	57.1 [16.7]	55.1 [16.1]	54.1 [15.9]	53.1 [15.6]	51.2 [15.0]	49.4 [14.5]	49.4 [14.5]	48.5 [14.2]	47.6 [14.0]	47.6 [14.0]	47.8 [14.0]	46.9 [13.7]	46.0 [13.5]	46.0 [13.5]	47.8 [14.0]	46.9 [13.7]	46.0 [13.5]	
	Sens BTU/H [kW] Power	35.1 [10.3] 2.9	33.5 [9.8] 2.8	32.0 [9.4] 2.8	41.1 [12.1] 2.8	39.3 [11.5] 2.8	37.5 [11.0] 2.8	45.4 [13.3] 2.8	43.4 [12.7] 2.8	41.4 [12.1] 2.7	40.6 [11.9] 2.9	39.9 [11.7] 3.1	44.4 [13.0] 3.1	43.3 [12.7] 3.1	42.2 [12.4] 3.3	41.1 [12.1] 3.5	47.8 [14.0] 3.1	46.9 [13.7] 2.8	46.0 [13.5] 2.8	45.3 [13.3] 2.7	
80 [26.7]	Total BTU/H [kW]	57.6 [16.9]	56.5 [16.6]	55.5 [16.3]	53.4 [15.7]	52.5 [15.4]	51.5 [15.1]	49.5 [14.5]	47.8 [14.0]	47.8 [14.0]	46.9 [13.7]	46.0 [13.5]	46.0 [13.5]	47.7 [14.0]	46.9 [13.7]	46.0 [13.5]	46.0 [13.5]	47.7 [14.0]	46.9 [13.7]	46.0 [13.5]	
	Sens BTU/H [kW] Power	34.3 [10.0] 3.0	32.7 [9.6] 3.0	31.2 [9.1] 3.0	40.3 [11.8] 3.0	38.5 [11.3] 3.0	36.7 [10.8] 2.9	44.6 [13.1] 3.0	42.6 [12.5] 2.9	40.6 [11.9] 2.9	39.9 [11.7] 3.1	39.1 [11.5] 3.3	44.4 [13.0] 3.1	43.3 [12.7] 3.1	42.2 [12.4] 3.3	41.1 [12.1] 3.5	47.7 [14.0] 3.1	46.9 [13.7] 2.9	46.0 [13.5] 2.9	45.3 [13.3] 2.9	
85 [29.4]	Total BTU/H [kW]	55.9 [16.4]	54.9 [16.1]	53.9 [15.8]	51.8 [15.2]	50.8 [14.9]	49.9 [14.6]	47.8 [14.0]	46.1 [13.5]	46.1 [13.5]	45.2 [13.3]	44.3 [13.0]	44.3 [13.0]	45.8 [13.4]	45.2 [13.3]	44.3 [13.0]	44.3 [13.0]	45.8 [13.4]	45.2 [13.3]	44.3 [13.0]	
	Sens BTU/H [kW] Power	33.4 [9.8] 3.2	31.9 [9.4] 3.2	30.4 [8.9] 3.2	39.5 [11.6] 3.2	37.7 [11.1] 3.2	36.0 [10.5] 3.1	43.8 [12.8] 3.2	41.8 [12.3] 3.1	40.6 [11.9] 2.9	39.9 [11.7] 3.1	39.1 [11.5] 3.3	44.4 [13.0] 3.1	43.3 [12.7] 3.1	42.2 [12.4] 3.3	41.1 [12.1] 3.5	45.8 [13.4] 3.1	44.4 [13.0] 2.9	44.4 [13.0] 2.9	43.6 [12.8] 2.9	
90 [32.2]	Total BTU/H [kW]	54.2 [15.9]	53.2 [15.6]	52.3 [15.3]	50.1 [14.7]	49.2 [14.4]	48.3 [14.1]	46.2 [13.5]	44.5 [13.0]	44.5 [13.0]	43.7 [12.8]	42.9 [12.6]	42.9 [12.6]	44.1 [12.9]	43.6 [12.8]	42.8 [12.5]	42.8 [12.5]	44.1 [12.9]	43.6 [12.8]	42.8 [12.5]	
	Sens BTU/H [kW] Power	32.6 [9.6] 3.4	31.1 [9.1] 3.4	29.7 [8.7] 3.4	38.7 [11.3] 3.4	36.9 [10.8] 3.4	35.2 [10.3] 3.3	42.9 [12.6] 3.3	40.9 [12.0] 3.3	39.1 [11.5] 3.3	38.4 [11.2] 3.5	37.6 [11.0] 3.7	44.1 [12.9] 3.3	43.0 [12.6] 3.3	42.2 [12.4] 3.3	41.1 [12.1] 3.5	44.1 [12.9] 3.3	43.0 [12.6] 3.3	42.2 [12.4] 3.3	41.1 [12.1] 3.5	
95 [35.0]	Total BTU/H [kW]	52.5 [15.4]	51.6 [15.1]	50.6 [14.8]	48.4 [14.2]	47.5 [13.9]	46.6 [13.7]	44.5 [13.0]	42.8 [12.5]	42.8 [12.5]	42.0 [12.3]	41.2 [12.1]	41.2 [12.1]	42.7 [12.5]	42.0 [12.3]	41.1 [12.1]	41.1 [12.1]	42.7 [12.5]	42.0 [12.3]	41.2 [12.1]	
	Sens BTU/H [kW] Power	31.8 [9.3] 3.6	30.4 [8.9] 3.6	28.9 [8.5] 3.6	37.8 [11.1] 3.6	36.2 [10.6] 3.6	34.5 [10.1] 3.5	42.1 [12.3] 3.6	40.1 [12.0] 3.5	38.4 [11.2] 3.5	37.6 [11.0] 3.7	36.8 [10.8] 3.8	44.1 [12.9] 3.5	43.0 [12.6] 3.5	42.2 [12.4] 3.5	41.1 [12.1] 3.5	44.1 [12.9] 3.5	43.0 [12.6] 3.5	42.2 [12.4] 3.5	41.1 [12.1] 3.5	
100 [37.8]	Total BTU/H [kW]	50.8 [14.9]	49.9 [14.6]	49.0 [14.4]	46.7 [13.7]	45.8 [13.4]	45.0 [13.2]	42.8 [12.5]	41.2 [12.1]	41.2 [12.1]	40.5 [11.9]	40.5 [11.9]	41.0 [12.0]	40.5 [11.9]	40.2 [11.8]	39.5 [11.6]	39.5 [11.6]	41.0 [12.0]	40.3 [11.8]	39.5 [11.6]	
	Sens BTU/H [kW] Power	31.0 [9.1] 3.8	29.6 [8.7] 3.8	28.2 [8.3] 3.8	37.0 [10.9] 3.8	35.4 [10.4] 3.8	33.7 [9.9] 3.7	41.3 [12.1] 3.8	39.5 [11.6] 3.8	37.6 [11.0] 3.7	36.8 [10.8] 3.8	36.0 [10.6] 4.0	44.1 [12.9] 3.8	43.0 [12.6] 3.8	42.2 [12.4] 3.8	41.1 [12.1] 3.8	44.1 [12.9] 3.8	43.0 [12.6] 3.8	42.2 [12.4] 3.8	41.1 [12.1] 3.8	
105 [40.6]	Total BTU/H [kW]	49.1 [14.4]	48.2 [14.1]	47.3 [13.9]	44.9 [13.2]	44.1 [12.9]	43.3 [12.7]	41.0 [12.0]	39.6 [11.6]	39.6 [11.6]	38.5 [11.3]	37.8 [11.1]	37.8 [11.1]	39.2 [11.5]	38.5 [11.3]	37.8 [11.1]	37.8 [11.1]	39.2 [11.5]	38.5 [11.3]	37.8 [11.1]	
	Sens BTU/H [kW] Power	30.2 [8.8] 4.1	28.8 [8.4] 4.0	27.5 [8.1] 4.0	36.2 [10.6] 4.1	34.6 [10.1] 4.0	33.0 [9.7] 4.0	40.5 [11.9] 4.0	38.7 [11.3] 4.0	36.9 [10.8] 4.0	36.0 [10.6] 4.2	35.2 [10.3] 4.2	44.1 [12.9] 4.0	43.0 [12.6] 4.0	42.2 [12.4] 4.0	41.1 [12.1] 4.0	44.1 [12.9] 4.0	43.0 [12.6] 4.0	42.2 [12.4] 4.0	41.1 [12.1] 4.0	
110 [43.3]	Total BTU/H [kW]	47.4 [13.9]	46.5 [13.6]	45.7 [13.4]	43.2 [12.7]	42.5 [12.4]	41.7 [12.2]	39.3 [11.5]	37.9 [11.1]	37.9 [11.1]	36.2 [10.6]	35.5 [10.4]	35.5 [10.4]	37.5 [11.0]	36.9 [10.8]	36.2 [10.6]	36.2 [10.6]	35.9 [10.5]	35.2 [10.3]	34.6 [10.1]	
	Sens BTU/H [kW] Power	29.4 [8.6] 4.3	28.1 [8.2] 4.3	26.8 [7.8] 4.3	35.4 [10.4] 4.3	33.9 [9.9] 4.3	32.3 [9.5] 4.2	39.3 [11.5] 4.3	37.9 [11.1] 4.2	36.2 [10.6] 4.2	35.5 [10.4] 4.5	34.7 [10.2] 4.5	44.1 [12.9] 4.3	43.0 [12.6] 4.3	42.2 [12.4] 4.3	41.1 [12.1] 4.3	44.1 [12.9] 4.3	43.0 [12.6] 4.3	42.2 [12.4] 4.3	41.1 [12.1] 4.3	
115 [46.1]	Total BTU/H [kW]	45.6 [13.4]	44.8 [13.1]	44.0 [12.9]	41.5 [12.2]	40.8 [11.9]	40.0 [11.7]	37.6 [11.0]	36.2 [10.6]	36.2 [10.6]	35.5 [10.4]	34.5 [10.1]	34.5 [10.1]	35.8 [10.5]	35.2 [10.3]	34.5 [10.1]	34.5 [10.1]	34.1 [10.0]	33.5 [9.8]	32.9 [9.6]	
	Sens BTU/H [kW] Power	28.6 [8.4] 4.6	27.3 [8.0] 4.6	26.0 [7.6] 4.5	34.7 [10.2] 4.6	33.1 [9.7] 4.5	31.6 [9.2] 4.5	37.6 [11.0] 4.5	36.9 [10.8] 4.5	35.5 [10.4] 4.5	34.7 [10.2] 4.7	33.9 [9.9] 4.8	44.1 [12.9] 4.5	43.0 [12.6] 4.5	42.2 [12.4] 4.5	41.1 [12.1] 4.5	44.1 [12.9] 4.5	43.0 [12.6] 4.5	42.2 [12.4] 4.5	41.1 [12.1] 4.5	
120 [48.9]	Total BTU/H [kW]	43.9 [12.9]	43.1 [12.6]	42.3 [12.4]	39.8 [11.7]	39.0 [11.4]	38.3 [11.2]	35.9 [10.5]	35.2 [10.3]	35.2 [10.3]	34.6 [10.1]	33.4 [9.8]	33.4 [9.8]	34.1 [10.0]	33.4 [9.8]	32.8 [9.6]	32.8 [9.6]	32.4 [9.5]	31.8 [9.3]	31.2 [9.2]	
	Sens BTU/H [kW] Power	27.8 [8.2] 4.9	26.6 [7.8] 4.8	25.3 [7.4] 4.8	33.9 [9.9] 4.8	30.9 [9.0] 4.8	30.9 [9.0] 4.8	35.9 [10.5] 4.8	35.2 [10.3] 4.8	34.6 [10.1] 4.7	33.9 [9.9] 4.8	33.4 [9.8] 4.8	44.1 [12.9] 4.8	43.0 [12.6] 4.8	42.2 [12.4] 4.8	41.1 [12.1] 4.8	44.1 [12.9] 4.8	43.0 [12.6] 4.8	42.2 [12.4] 4.8	41.1 [12.1] 4.8	
125 [51.7]	Total BTU/H [kW]	42.2 [12.4]	41.4 [12.1]	40.7 [11.9]	38.0 [11.1]	37.3 [10.9]	36.7 [10.7]	34.1 [10.0]	33.5 [9.8]	33.5 [9.8]	32.9 [9.6]	31.7 [9.3]	31.7 [9.3]	32.3 [9.5]	31.7 [9.3]	31.2 [9.1]	31.2 [9.1]	30.7 [9.0]	30.1 [8.8]	29.6 [8.7]	
	Sens BTU/H [kW] Power	27.0 [7.9] 5.2	25.8 [7.6] 5.1	24.6 [7.2] 5.1	33.1 [9.7] 5.1	31.6 [9.3] 5.1	30.1 [8.8] 5.1	34.1 [10.0] 5.1	33.5 [9.8] 5.1	32.9 [9.6] 5.0	32.3 [9.5] 5.1	31.7 [9.3] 5.0	44.1 [12.9] 5.1	43.0 [12.6] 5.1	42.2 [12.4] 5.1	41.1 [12.1] 5.0	44.1 [12.9] 5.1	43.0 [12.6] 5.1	42.2 [12.4] 5.1	41.1 [12.1] 5.0	

DR	— Depression ratio	Total	— Total capacity x 1000 BTUH
dB	— Entering air dry bulb	Sens	— Sensible capacity x 1000 BTUH
wB	— Entering air wet bulb	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 (dB - 80)].

HEATING PERFORMANCE DATA—RQPL-B049C

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	15.9 [4.7] 2.5	15.8 [4.6] 2.5	15.7 [4.6] 2.5	14.5 [4.3] 2.9	14.4 [4.2] 2.9	14.3 [4.2] 2.9	13.2 [3.9] 3.2	13.1 [3.8] 3.3	13.0 [3.8] 3.3
	5 [-15]	Total BTUH [kW] Power	19.1 [5.6] 2.5	19.0 [5.6] 2.6	18.8 [5.5] 2.6	17.8 [5.2] 2.9	17.6 [5.2] 3.0	17.5 [5.1] 3.0	16.4 [4.8] 3.3	16.3 [4.8] 3.3	16.2 [4.7] 3.4
	10 [-12.2]	Total BTUH [kW] Power	22.3 [6.5] 2.6	22.2 [6.5] 2.6	22.0 [6.4] 2.7	21.0 [6.2] 3.0	20.8 [6.1] 3.0	20.7 [6.1] 3.0	19.7 [5.8] 3.4	19.5 [5.7] 3.4	19.4 [5.7] 3.4
	15 [-9.4]	Total BTUH [kW] Power	25.5 [7.5] 2.7	25.4 [7.4] 2.7	25.2 [7.4] 2.7	24.2 [7.1] 3.0	24.0 [7.0] 3.1	23.9 [7.0] 3.1	22.9 [6.7] 3.4	22.7 [6.7] 3.5	22.5 [6.6] 3.5
	20 [-6.7]	Total BTUH [kW] Power	28.8 [8.4] 2.7	28.6 [8.4] 2.7	28.4 [8.3] 2.8	27.4 [8.0] 3.1	27.2 [8.0] 3.1	27.0 [7.9] 3.2	26.1 [7.6] 3.5	25.9 [7.6] 3.5	25.7 [7.5] 3.6
	25 [-3.9]	Total BTUH [kW] Power	32.0 [9.4] 2.8	31.8 [9.3] 2.8	31.5 [9.2] 2.8	30.6 [9.0] 3.1	30.4 [8.9] 3.2	30.2 [8.9] 3.2	29.3 [8.6] 3.5	29.1 [8.5] 3.6	28.9 [8.5] 3.6
	30 [-1.1]	Total BTUH [kW] Power	35.2 [10.3] 2.8	35.0 [10.2] 2.9	34.7 [10.2] 2.9	33.9 [9.9] 3.2	33.6 [9.9] 3.2	33.4 [9.8] 3.3	32.5 [9.5] 3.6	32.3 [9.5] 3.6	32.1 [9.4] 3.7
	35 [1.7]	Total BTUH [kW] Power	38.4 [11.3] 2.9	38.2 [11.2] 2.9	37.9 [11.1] 2.9	37.1 [10.9] 3.3	36.8 [10.8] 3.3	36.6 [10.7] 3.3	35.8 [10.5] 3.6	35.5 [10.4] 3.7	35.2 [10.3] 3.7
	40 [4.4]	Total BTUH [kW] Power	41.6 [12.2] 2.9	41.4 [12.1] 3.0	41.1 [12.0] 3.0	40.3 [11.8] 3.3	40.0 [11.7] 3.3	39.7 [11.6] 3.4	39.0 [11.4] 3.7	38.7 [11.3] 3.7	38.4 [11.3] 3.8
	45 [7.2]	Total BTUH [kW] Power	44.9 [13.1] 3.0	44.5 [13.1] 3.0	44.2 [13.0] 3.1	43.5 [12.8] 3.4	43.2 [12.7] 3.4	42.9 [12.6] 3.4	42.2 [12.4] 3.7	41.9 [12.3] 3.8	41.6 [12.2] 3.8
	50 [10]	Total BTUH [kW] Power	48.1 [14.1] 3.0	47.7 [14.0] 3.1	47.4 [13.9] 3.1	46.7 [13.7] 3.4	46.4 [13.6] 3.5	46.1 [13.5] 3.5	45.4 [13.3] 3.8	45.1 [13.2] 3.9	44.8 [13.1] 3.9

IDB—Indoor air dry bulb

[] Designates Metric Conversions



Air

Gross Systems Performance Data
RQPL Series

COOLING PERFORMANCE DATA—RQPL-B049J

wBE		ENTERING INDOOR AIR @ 80°F [26.7°C] dBE ①										61°F [16.1°C]										59°F [15.0°C]									
		71°F [21.7°C]					67°F [19.4°C]					63°F [17.2°C]					61°F [16.1°C]					59°F [15.0°C]									
CFM [L/s]		1760 [831]	1600 [755]	1440 [680]	1280 [604]	1120 [528]	1760 [831]	1600 [755]	1440 [680]	1280 [604]	1120 [528]	1760 [831]	1600 [755]	1440 [680]	1280 [604]	1120 [528]	1760 [831]	1600 [755]	1440 [680]	1280 [604]	1120 [528]	1760 [831]	1600 [755]	1440 [680]	1280 [604]	1120 [528]					
DR		0.14	0.12	0.1	0.08	0.06	0.14	0.12	0.1	0.08	0.06	0.14	0.12	0.1	0.08	0.06	0.14	0.12	0.1	0.08	0.06	0.14	0.12	0.1	0.08	0.06					
75 [23.9]	Total BTUH [kW]	59.3 [17.4]	58.2 [17.1]	57.1 [16.7]	55.1 [16.1]	53.1 [15.6]	55.1 [16.1]	54.1 [15.9]	53.1 [15.6]	51.2 [15.0]	51.2 [15.0]	49.4 [14.5]	49.4 [14.5]	47.6 [14.0]	47.6 [14.0]	46.9 [13.7]	47.8 [14.0]	46.9 [13.7]	46.0 [13.5]	46.0 [13.5]	44.3 [12.9]	47.8 [14.0]	46.9 [13.7]	46.0 [13.5]	44.3 [12.9]	44.3 [12.9]					
	Sens BTUH [kW] Power	35.1 [10.3] 2.9	33.5 [9.8] 2.8	32.0 [9.4] 2.8	41.1 [12.1] 2.8	37.5 [11.0] 2.8	37.5 [11.0] 2.8	39.3 [11.5] 2.8	39.3 [11.5] 2.8	37.5 [11.0] 2.8	45.4 [13.3] 2.8	45.4 [13.3] 2.8	41.4 [12.1] 2.7	41.4 [12.1] 2.7	42.5 [12.4] 2.7	42.5 [12.4] 2.7	44.6 [13.7] 2.8	44.6 [13.7] 2.8	43.8 [12.8] 2.9	43.8 [12.8] 2.9	41.3 [12.2] 3.1	47.0 [13.8] 2.9	47.0 [13.8] 2.9	44.9 [13.2] 2.9	44.9 [13.2] 2.9	42.8 [12.6] 2.7					
80 [26.7]	Total BTUH [kW]	57.6 [16.9]	56.5 [16.6]	55.5 [16.3]	53.4 [15.7]	51.5 [15.1]	53.4 [15.7]	52.5 [15.4]	51.5 [15.1]	49.5 [14.5]	49.5 [14.5]	47.8 [14.0]	47.8 [14.0]	46.0 [13.5]	46.0 [13.5]	45.3 [13.3]	47.7 [14.0]	46.9 [13.7]	46.0 [13.5]	46.0 [13.5]	44.4 [13.0]	47.7 [14.0]	46.9 [13.7]	46.0 [13.5]	44.4 [13.0]	44.4 [13.0]					
	Sens BTUH [kW] Power	34.3 [10.0] 3.0	32.7 [9.6] 3.0	31.2 [9.1] 3.0	40.3 [11.8] 3.0	36.7 [10.8] 2.9	36.7 [10.8] 2.9	38.5 [11.3] 3.0	38.5 [11.3] 3.0	36.7 [10.8] 2.9	44.6 [13.1] 3.0	44.6 [13.1] 3.0	40.6 [11.9] 2.9	40.6 [11.9] 2.9	41.7 [12.2] 2.9	41.7 [12.2] 2.9	45.8 [13.4] 3.0	45.8 [13.4] 3.0	44.8 [12.6] 3.1	44.8 [12.6] 3.1	41.0 [12.0] 3.1	45.8 [13.4] 3.0	45.8 [13.4] 3.0	44.1 [13.5] 2.9	44.1 [13.5] 2.9	42.1 [12.3] 2.9					
85 [29.4]	Total BTUH [kW]	55.9 [16.4]	54.9 [16.1]	53.9 [15.8]	51.8 [15.2]	49.9 [14.6]	51.8 [15.2]	50.8 [14.9]	49.9 [14.6]	47.8 [14.0]	47.8 [14.0]	46.1 [13.5]	46.1 [13.5]	44.4 [13.0]	44.4 [13.0]	43.6 [12.8]	47.4 [14.0]	46.5 [13.5]	44.4 [13.0]	44.4 [13.0]	42.8 [12.5]	47.4 [14.0]	46.5 [13.5]	44.4 [13.0]	42.8 [12.5]	42.8 [12.5]					
	Sens BTUH [kW] Power	33.4 [9.8] 3.2	31.9 [9.4] 3.2	30.4 [8.9] 3.2	39.5 [11.6] 3.2	36.0 [10.5] 3.1	36.0 [10.5] 3.1	37.7 [11.1] 3.2	37.7 [11.1] 3.2	36.0 [10.5] 3.1	43.8 [12.8] 3.2	43.8 [12.8] 3.2	39.9 [11.7] 3.1	39.9 [11.7] 3.1	41.0 [12.0] 3.1	41.0 [12.0] 3.1	45.0 [13.2] 3.1	45.0 [13.2] 3.1	44.0 [13.5] 3.1	44.0 [13.5] 3.1	41.2 [12.5] 3.1	45.0 [13.2] 3.1	45.0 [13.2] 3.1	43.3 [12.3] 3.1	43.3 [12.3] 3.1	41.3 [12.1] 3.1					
90 [32.2]	Total BTUH [kW]	54.2 [15.9]	53.2 [15.6]	52.3 [15.3]	50.1 [14.7]	48.3 [14.1]	50.1 [14.7]	49.2 [14.4]	48.3 [14.1]	46.2 [13.5]	46.2 [13.5]	44.5 [13.0]	44.5 [13.0]	42.8 [12.5]	42.8 [12.5]	42.0 [12.3]	44.4 [13.0]	43.6 [12.8]	42.7 [12.5]	42.7 [12.5]	41.2 [12.1]	44.4 [13.0]	43.6 [12.8]	42.7 [12.5]	41.2 [12.1]	41.2 [12.1]					
	Sens BTUH [kW] Power	32.6 [9.6] 3.4	31.1 [9.1] 3.4	29.7 [8.7] 3.4	38.7 [11.3] 3.4	35.2 [10.3] 3.3	35.2 [10.3] 3.3	36.9 [10.8] 3.4	36.9 [10.8] 3.4	35.2 [10.3] 3.3	42.9 [12.6] 3.3	42.9 [12.6] 3.3	39.1 [11.5] 3.3	39.1 [11.5] 3.3	40.2 [11.8] 3.3	40.2 [11.8] 3.3	44.1 [12.9] 3.3	44.1 [12.9] 3.3	43.2 [12.4] 3.3	43.2 [12.4] 3.3	40.2 [11.8] 3.3	44.1 [12.9] 3.3	44.1 [12.9] 3.3	42.4 [12.0] 3.3	42.4 [12.0] 3.3	40.6 [11.9] 3.3					
95 [35.0]	Total BTUH [kW]	52.5 [15.4]	51.6 [15.1]	50.6 [14.8]	48.4 [14.2]	46.6 [13.7]	48.4 [14.2]	47.5 [13.9]	46.6 [13.7]	44.5 [13.0]	44.5 [13.0]	42.9 [12.6]	42.9 [12.6]	41.1 [12.1]	41.1 [12.1]	40.3 [11.8]	42.7 [12.5]	41.9 [12.3]	41.0 [12.0]	41.0 [12.0]	40.3 [11.8]	42.7 [12.5]	41.9 [12.3]	41.0 [12.0]	40.3 [11.8]	40.3 [11.8]					
	Sens BTUH [kW] Power	31.8 [9.3] 3.6	30.4 [8.9] 3.6	28.9 [8.5] 3.6	37.8 [11.1] 3.6	34.5 [10.1] 3.5	34.5 [10.1] 3.5	36.2 [10.6] 3.6	36.2 [10.6] 3.6	34.5 [10.1] 3.5	42.1 [12.3] 3.6	42.1 [12.3] 3.6	38.4 [11.2] 3.5	38.4 [11.2] 3.5	39.5 [11.6] 3.5	39.5 [11.6] 3.5	42.7 [12.5] 3.5	42.7 [12.5] 3.5	41.4 [12.1] 3.5	41.4 [12.1] 3.5	40.3 [11.8] 3.5	42.7 [12.5] 3.5	42.7 [12.5] 3.5	40.3 [11.8] 3.5	40.3 [11.8] 3.5	39.5 [11.6] 3.5					
100 [37.8]	Total BTUH [kW]	50.8 [14.9]	49.9 [14.6]	49.0 [14.4]	46.7 [13.7]	45.0 [13.2]	46.7 [13.7]	45.8 [13.4]	45.0 [13.2]	42.8 [12.5]	42.8 [12.5]	41.2 [12.1]	41.2 [12.1]	39.5 [11.6]	39.5 [11.6]	38.7 [11.3]	41.0 [12.0]	40.2 [11.8]	40.2 [11.8]	40.2 [11.8]	39.5 [11.6]	41.0 [12.0]	40.2 [11.8]	39.5 [11.6]	38.7 [11.3]	38.7 [11.3]					
	Sens BTUH [kW] Power	31.0 [9.1] 3.8	29.6 [8.7] 3.8	28.2 [8.3] 3.8	37.0 [10.9] 3.8	33.7 [9.9] 3.7	33.7 [9.9] 3.7	35.4 [10.4] 3.8	35.4 [10.4] 3.8	33.7 [9.9] 3.7	41.3 [12.1] 3.8	41.3 [12.1] 3.8	37.6 [11.0] 3.7	37.6 [11.0] 3.7	38.7 [11.3] 3.7	38.7 [11.3] 3.7	41.0 [12.0] 3.8	41.0 [12.0] 3.8	40.2 [11.8] 3.8	40.2 [11.8] 3.8	40.3 [11.8] 3.8	41.0 [12.0] 3.8	40.2 [11.8] 3.8	39.3 [11.5] 3.8	39.3 [11.5] 3.8	37.9 [11.1] 3.7					
105 [40.6]	Total BTUH [kW]	49.1 [14.4]	48.2 [14.1]	47.3 [13.9]	44.9 [13.2]	43.3 [12.7]	44.9 [13.2]	44.1 [12.9]	43.3 [12.7]	41.0 [12.0]	41.0 [12.0]	39.6 [11.6]	39.6 [11.6]	37.8 [11.1]	37.8 [11.1]	36.9 [10.8]	39.2 [11.5]	38.5 [11.3]	37.6 [11.0]	37.6 [11.0]	36.2 [10.6]	39.2 [11.5]	38.5 [11.3]	37.6 [11.0]	36.2 [10.6]	36.2 [10.6]					
	Sens BTUH [kW] Power	30.2 [8.8] 4.1	28.8 [8.4] 4.0	27.5 [8.1] 4.0	36.2 [10.6] 4.1	33.0 [9.7] 4.0	33.0 [9.7] 4.0	34.6 [10.1] 4.0	34.6 [10.1] 4.0	33.0 [9.7] 4.0	40.5 [11.9] 4.0	40.5 [11.9] 4.0	36.9 [10.8] 4.0	36.9 [10.8] 4.0	37.8 [11.1] 4.0	37.8 [11.1] 4.0	39.2 [11.5] 4.0	39.2 [11.5] 4.0	37.6 [11.0] 4.0	37.6 [11.0] 4.0	36.2 [10.6] 4.2	39.2 [11.5] 4.0	38.5 [11.3] 4.2	37.6 [11.0] 4.2	36.2 [10.6] 4.2	36.2 [10.6] 4.2					
110 [43.3]	Total BTUH [kW]	47.4 [13.9]	46.5 [13.6]	45.7 [13.4]	43.2 [12.7]	41.7 [12.2]	43.2 [12.7]	42.5 [12.4]	41.7 [12.2]	39.3 [11.5]	39.3 [11.5]	37.9 [11.1]	37.9 [11.1]	36.2 [10.6]	36.2 [10.6]	35.2 [10.3]	37.5 [11.0]	36.9 [10.8]	35.9 [10.5]	35.9 [10.5]	34.6 [10.1]	37.5 [11.0]	36.9 [10.8]	35.9 [10.5]	34.6 [10.1]	34.6 [10.1]					
	Sens BTUH [kW] Power	29.4 [8.6] 4.3	28.1 [8.2] 4.3	26.8 [7.8] 4.3	35.4 [10.4] 4.3	32.7 [9.5] 4.2	32.7 [9.5] 4.2	33.9 [9.9] 4.3	33.9 [9.9] 4.3	32.7 [9.5] 4.2	40.3 [11.9] 4.3	40.3 [11.9] 4.3	36.2 [10.6] 4.2	36.2 [10.6] 4.2	37.5 [11.0] 4.2	37.5 [11.0] 4.2	39.2 [11.5] 4.3	39.2 [11.5] 4.3	37.5 [11.0] 4.3	37.5 [11.0] 4.3	36.2 [10.6] 4.2	39.2 [11.5] 4.3	38.5 [11.3] 4.2	37.6 [11.0] 4.2	36.2 [10.6] 4.2	36.2 [10.6] 4.2					
115 [46.1]	Total BTUH [kW]	45.6 [13.4]	44.8 [13.1]	44.0 [12.9]	41.5 [12.2]	40.0 [11.7]	41.5 [12.2]	40.8 [11.9]	40.0 [11.7]	37.6 [11.0]	37.6 [11.0]	36.2 [10.6]	36.2 [10.6]	34.5 [10.1]	34.5 [10.1]	33.5 [9.8]	35.8 [10.5]	35.2 [10.3]	34.1 [10.0]	34.1 [10.0]	32.8 [9.6]	35.8 [10.5]	35.2 [10.3]	34.1 [10.0]	32.8 [9.6]	32.8 [9.6]					
	Sens BTUH [kW] Power	28.6 [8.4] 4.6	27.3 [8.0] 4.6	26.0 [7.6] 4.5	34.7 [10.2] 4.6	31.6 [9.2] 4.5	31.6 [9.2] 4.5	33.1 [9.7] 4.5	33.1 [9.7] 4.5	31.6 [9.2] 4.5	39.6 [11.5] 4.6	39.6 [11.5] 4.6	35.5 [10.4] 4.5	35.5 [10.4] 4.5	36.2 [10.6] 4.4	36.2 [10.6] 4.4	38.5 [10.8] 4.5	38.5 [10.8] 4.5	37.5 [11.0] 4.5	37.5 [11.0] 4.5	36.2 [10.6] 4.2	38.5 [10.8] 4.5	37.5 [11.0] 4.5	36.2 [10.6] 4.2	36.2 [10.6] 4.2	34.6 [10.1] 4.2					
120 [48.9]	Total BTUH [kW]	43.9 [12.9]	43.1 [12.6]	42.3 [12.4]	39.8 [11.7]	38.3 [11.2]	39.8 [11.7]	39.0 [11.4]	38.3 [11.2]	35.9 [10.5]	35.9 [10.5]	34.6 [10.1]	34.6 [10.1]	32.8 [9.6]	32.8 [9.6]	31.8 [9.3]	34.1 [10.0]	33.4 [9.8]	32.4 [9.5]	32.4 [9.5]	31.2 [9.3]	34.1 [10.0]	33.4 [9.8]	32.4 [9.5]	31.2 [9.3]	31.2 [9.3]					
	Sens BTUH [kW] Power	27.8 [8.2] 4.9	26.6 [7.8] 4.8	25.3 [7.4] 4.8	33.9 [9.9] 4.8	30.9 [9.0] 4.8	30.9 [9.0] 4.8	30.9 [9.0] 4.8	30.9 [9.0] 4.8	30.9 [9.0] 4.8	38.9 [11.5] 4.8	38.9 [11.5] 4.8	34.6 [10.1] 4.7	34.6 [10.1] 4.7	35.2 [10.3] 4.8	35.2 [10.3] 4.8	37.5 [11.0] 4.8	37.5 [11.0] 4.8	36.2 [10.6] 4.8	36.2 [10.6] 4.8	35.2 [10.3] 4.7	37.5 [11.0] 4.8	36.2 [10.6] 4.8	35.2 [10.3] 4.7	35.2 [10.3] 4.7	34.6 [10.1] 4.7					
125 [51.7]	Total BTUH [kW]	42.2 [12.4]	41.4 [12.1]	40.7 [11.9]	38.0 [11.1]	36.7 [10.7]	40.7 [11.9]	37.3 [10.9]	36.7 [10.7]	34.1 [10.0]	34.1 [10.0]	32.9 [9.6]	32.9 [9.6]	31.2 [9.3]	31.2 [9.3]	30.1 [8.8]	32.3 [9.5]	31.7 [9.3]	30.7 [9.0]	30.7 [9.0]	29.6 [8.7]	32.3 [9.5]	31.7 [9.3]	30.7 [9.0]	29.6 [8.7]	29.6 [8.7]					
	Sens BTUH [kW] Power	27.0 [7.9] 5.2	25.8 [7.6] 5.1	24.6 [7.2] 5.1	33.1 [9.7] 5.1	30.1 [8.8] 5.1	30.1 [8.8] 5.1	31.6 [9.3] 5.1	31.6 [9.3] 5.1	30.1 [8.8] 5.1	38.1 [11.1] 5.1	38.1 [11.1] 5.1	33.9 [9.9] 5.0	33.9 [9.9] 5.0	34.6 [10.1] 5.0	34.6 [10.1] 5.0	37.0 [11.0] 5.1	37.0 [11.0] 5.1	35.2 [10.3] 5.0	35.2 [10.3] 5.0	34.1 [10.0] 5.0	37.0 [11.0] 5.1	35.2 [10.3] 5.0	34.1 [10.0] 5.0	34.1 [10.0] 5.0	32.9 [9.6] 5.0					

DR — Depression ratio
dBE — Entering air dry bulb
wBE — Entering air wet bulb

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-B049J

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	15.9 [4.7] 2.5	15.8 [4.6] 2.5	15.7 [4.6] 2.5	14.5 [4.3] 2.9	14.4 [4.2] 2.9	14.3 [4.2] 2.9	13.2 [3.9] 3.2	13.1 [3.8] 3.3	13.0 [3.8] 3.3
	5 [-15]	Total BTUH [kW] Power	19.1 [5.6] 2.5	19.0 [5.6] 2.6	18.8 [5.5] 2.6	17.8 [5.2] 2.9	17.6 [5.2] 3.0	17.5 [5.1] 3.0	16.4 [4.8] 3.3	16.3 [4.8] 3.3	16.2 [4.7] 3.4
	10 [-12.2]	Total BTUH [kW] Power	22.3 [6.5] 2.6	22.2 [6.5] 2.6	22.0 [6.4] 2.7	21.0 [6.2] 3.0	20.8 [6.1] 3.0	20.7 [6.1] 3.0	19.7 [5.8] 3.4	19.5 [5.7] 3.4	19.4 [5.7] 3.4
	15 [-9.4]	Total BTUH [kW] Power	25.5 [7.5] 2.7	25.4 [7.4] 2.7	25.2 [7.4] 2.7	24.2 [7.1] 3.0	24.0 [7.0] 3.1	23.9 [7.0] 3.1	22.9 [6.7] 3.4	22.7 [6.7] 3.5	22.5 [6.6] 3.5
	20 [-6.7]	Total BTUH [kW] Power	28.8 [8.4] 2.7	28.6 [8.4] 2.7	28.4 [8.3] 2.8	27.4 [8.0] 3.1	27.2 [8.0] 3.1	27.0 [7.9] 3.2	26.1 [7.6] 3.5	25.9 [7.6] 3.5	25.7 [7.5] 3.6
	25 [-3.9]	Total BTUH [kW] Power	32.0 [9.4] 2.8	31.8 [9.3] 2.8	31.5 [9.2] 2.8	30.6 [9.0] 3.1	30.4 [8.9] 3.2	30.2 [8.9] 3.2	29.3 [8.6] 3.5	29.1 [8.5] 3.6	28.9 [8.5] 3.6
	30 [-1.1]	Total BTUH [kW] Power	35.2 [10.3] 2.8	35.0 [10.2] 2.9	34.7 [10.2] 2.9	33.9 [9.9] 3.2	33.6 [9.9] 3.2	33.4 [9.8] 3.3	32.5 [9.5] 3.6	32.3 [9.5] 3.6	32.1 [9.4] 3.7
	35 [1.7]	Total BTUH [kW] Power	38.4 [11.3] 2.9	38.2 [11.2] 2.9	37.9 [11.1] 2.9	37.1 [10.9] 3.3	36.8 [10.8] 3.3	36.6 [10.7] 3.3	35.8 [10.5] 3.6	35.5 [10.4] 3.7	35.2 [10.3] 3.7
	40 [4.4]	Total BTUH [kW] Power	41.6 [12.2] 2.9	41.4 [12.1] 3.0	41.1 [12.0] 3.0	40.3 [11.8] 3.3	40.0 [11.7] 3.3	39.7 [11.6] 3.4	39.0 [11.4] 3.7	38.7 [11.3] 3.7	38.4 [11.3] 3.8
	45 [7.2]	Total BTUH [kW] Power	44.9 [13.1] 3.0	44.5 [13.1] 3.0	44.2 [13.0] 3.1	43.5 [12.8] 3.4	43.2 [12.7] 3.4	42.9 [12.6] 3.4	42.2 [12.4] 3.7	41.9 [12.3] 3.8	41.6 [12.2] 3.8
	50 [10]	Total BTUH [kW] Power	48.1 [14.1] 3.0	47.7 [14.0] 3.1	47.4 [13.9] 3.1	46.7 [13.7] 3.4	46.4 [13.6] 3.5	46.1 [13.5] 3.5	45.4 [13.3] 3.8	45.1 [13.2] 3.9	44.8 [13.1] 3.9

IDB—Indoor air dry bulb

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE—208 VOLTS

External Static Pressure—Inches W.C. [kPa]													
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	Side Discharge—Wet Coil								
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	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	
				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
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)	Low (Tap 1)	Watts	173	177	185	186	188	192	185	164
					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	
				Medium (Tap 2)	CFM	1165 [550]	1132 [534]	1091 [515]	1051 [496]	1009 [476]	959 [453]	855 [404]	819 [387]
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)	RPM	744	785	833	864	905	951	1020	1053
					Watts	167	177	188	191	202	206	217	351
				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)	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	
				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					
4.0 [14.07]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	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	
				Low (Tap 1)	CFM	1455 [687]	1431 [675]	1396 [659]	1360 [642]	1315 [621]	1285 [606]	1241 [586]	
				RPM	824	856	889	931	968	1009	1041		
Watts	268	280	288	303	311	325	331						
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	CFM	1559 [736]	1530 [722]	1488 [702]	1454 [686]	1417 [669]	1375 [649]	1336 [631]	
					RPM	870	893	932	968	1007	1036	1072	
				Watts	321	327	338	351	364	371	381		
				Low (Tap 1)	CFM	1675 [791]	1658 [782]	1610 [760]	1580 [746]	1535 [724]	1491 [704]	1422 [671]	
				RPM	923	944	979	1013	1045	1077	1098		
Watts	390	401	412	425	433	440	432						
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	CFM	1770 [835]	1751 [826]	1706 [805]	1672 [789]	1624 [766]	1555 [734]	1463 [690]	
					RPM	966	989	1018	1050	1078	1100	1115	
				Watts	454	466	473	486	490	481	460		

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

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

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE—230 VOLTS

External Static Pressure—Inches W.C. [kPa]													
Side Discharge—Wet Coil													
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	0.1 [1.02]	0.2 [0.05]	0.3 [0.07]	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	165
				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	
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)	Low (Tap 1)	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
				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	
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	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
				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)	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 1/2 HP [372] 3 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
				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]	
					RPM	831	854	894	932	972	1005	1042	
					Watts	276	282	297	307	319	326	341	
				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	
				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]	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

ELECTRICAL DATA – RQPL- SERIES

		B024JK	B025JK	B030JK	C036CK	C036JK	B042CK	B042JK	B049CK	B049JK
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	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
	Hz	60	60	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	21	21	24	20	27	25	33	26	33
	Minimum Overcurrent Protection Device Size	25	25	25	25	35	30	35	30	40
	Maximum Overcurrent Protection Device Size	30	30	35	25	40	35	50	35	50
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	200/230	208/230	200/230	208/230	200/230	208/230
	Phase	1	1	1	3	1	3	1	3	1
	RPM	3450	3450	3450	3450	3450	3450	3450	3500	3500
	HP, Compressor ¹	2	2	2 1/2	3	3	3 1/2	3 1/2	4	4
	Amps (RLA), Comp. ¹	12.8	12.8	14.1	10.4	16.7	13.1	19.9	13.7	19.6
	Amps (LRA), Comp. ¹	58.3	58.3	73	73	79	83.1	109	83.1	130
	HP, Compressor ²									
	Amps (RLA), Comp. ²									
	Amps (LRA), Comp. ²									
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	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.3	1.3	1.3	2	2	2	2	2	2
	Amps (LRA, each)	2.2		2.2	3.9	3.9	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, each)	2.8	2.8	4.1	4.1	4.1	6	6	6	6
	Amps (LRA, each)									

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-C036JK	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
	RXQJ-A15J (208-240 volt, 1-ph, 15kW)
RQPL-B042JK	RXQJ-B10J (208-240 volt, 1-ph, 10kW)
	RXQJ-B15J (208-240 volt, 1-ph, 15kW)
RQPL-B049JK	RXQJ-B10J (208-240 volt, 1-ph, 10kW)
	RXQJ-B15J (208-240 volt, 1-ph, 15kW)
RQPL-C036CK	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-B049CK	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.



Air

Electric Heater Kits
RQPL Series

AUXILIARY HEATER KITS CHARACTERISTICS AND APPLICATION — RQPL-

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					
Model Number	Heater Kit						Heat Pump					
	RXQJ-Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 208/240V	Heater KBTU/Hr @ 208/240V	Heater Amp. @ 208/240V	Unit Min. Ckt. Ampacity @ 208-240V	Over Current Protective Device Size		Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Heat Pump	
							Min. /Max. @ 208V	Min. /Max. @ 240V			Min. Circuit Ampacity 208/240V	Over Current Protective Device Size Min. /Max. @ 208V /Max. @ 240V
RQPL-B024JK	No Heat	—	—	—	—	21/21	25/30	25/30	—	—	21/21	25/30
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	42/46	45/50	50/50	22/25	25/25	21/21	25/30
	A08J	1	5.7/7.6	19.45/25.93	27.4/31.6	55/60	60/60	70/70	35/40	35/40	21/21	25/30
RQPL-B025JK	A10J	1	7.2/9.6	24.57/32.76	34.6/40.0	64/71	70/70	80/80	44/50	45/50	21/21	25/30
	No Heat	—	—	—	—	21/21	25/30	25/30	—	—	21/21	25/30
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	42/46	45/50	50/50	22/25	25/25	21/21	25/30
RQPL-B030JK	A08J	1	5.7/7.6	19.45/25.93	27.4/31.6	55/60	60/60	70/70	35/40	35/40	21/21	25/30
	A10J	1	7.2/9.6	24.57/32.76	34.6/40.0	64/71	70/70	80/80	44/50	45/50	21/21	25/30
	No Heat	—	—	—	—	24/24	25/35	25/35	—	—	24/24	25/35
RQPL-C036JK	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	45/49	50/50	50/50	22/25	25/25	24/24	25/35
	A08J	1	5.7/7.6	19.45/25.93	27.4/31.6	58/63	60/60	70/70	35/40	35/40	24/24	25/35
	A10J	1	7.2/9.6	24.57/32.76	34.6/40.0	67/74	70/70	80/80	44/50	45/50	24/24	25/35
RQPL-B042JK	No Heat	—	—	—	—	27/27	35/40	35/40	—	—	27/27	35/40
	A08J	1	5.7/7.6	19.45/25.93	27.4/31.6	62/67	70/70	70/70	35/40	35/40	27/27	35/40
	A10J	1	7.2/9.6	24.57/32.76	34.6/40.0	71/77	80/80	80/80	44/50	45/50	27/27	35/40
RQPL-B049JK	A15J	1	10.8/14.4	36.85/49.13	51.9/60.0	92/102	100/100	110/110	65/75	70/80	27/27	35/40
	B06J	1	4.2/5.6	14.33/19.11	20.2/23.3	53/57	60/60	60/60	26/30	30/30	27/27	35/40
	No Heat	—	—	—	—	33/33	35/50	35/50	—	—	33/33	35/50
RQPL-B049JK	A08J	1	5.7/7.6	19.45/25.93	27.4/31.6	68/73	70/80	80/80	35/40	35/40	33/33	35/50
	B06J	1	4.2/5.6	14.33/19.11	20.2/23.3	59/62	70/70	70/70	26/30	30/30	33/33	35/50
	B10J	1	7.2/9.6	24.57/32.76	34.6/40.0	77/83	80/80	90/90	44/50	45/50	33/33	35/50
RQPL-B049JK	B15J	1	10.8/14.4	36.85/49.13	51.9/60.0	98/108	100/100	110/110	65/75	70/80	33/33	35/50
	No Heat	—	—	—	—	33/33	40/50	40/50	—	—	33/33	40/50
	A08J	1	5.7/7.6	19.45/25.93	27.4/31.6	67/72	70/70	80/80	35/40	35/40	33/33	40/50
RQPL-B049JK	B10J	1	7.2/9.6	24.57/32.76	34.6/40.0	76/83	80/80	90/90	44/50	45/50	33/33	40/50
	B15J	1	10.8/14.4	36.85/49.13	51.9/60.0	98/108	100/100	110/110	65/75	70/80	33/33	40/50



AUXILIARY HEATER KITS CHARACTERISTICS AND APPLICATION — RQPL-

208-240 VOLT, THREE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION														
Separate Power Supply For Both Unit and Heater Kit														
Single Power Supply For Both Unit and Heater Kit														
Model Number	Heater Kit					Heat Pump					Heater Kit			
	RXQJ-Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 208/240V	Heater KBTU/Hr @ 208/240V	Heater Amp. @ 208/240V	Unit Min. Ckt. Ampacity @ 208-240V	Over Current Protective Device Size			Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240V	Over Current Protective Device Size	
							Min. @ 208V	Max. @ 208V	Min./Max. @ 240V				Min. @ 208V	Max. @ 240V
RQPL-C036CK	No Heat A10C A15C	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 20.0/23.1 30.1/34.7	20/20 45/48 57/63	25/25 50/50 60/60	25/25 50/50 60/60	25/25 50/50 70/70	— 25/29 38/44	— 25/30 40/45	20/20 20/20 20/20	25/25 25/25 25/25	25/25 25/25 25/25
RQPL-B042CK	No Heat A10C A15C	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 20.0/23.1 30.1/34.7	25/25 50/54 62/68	30/35 60/60 70/70	30/35 60/60 70/70	30/35 60/60 70/70	— 25/29 38/44	— 25/30 40/45	25/25 25/25 25/25	30/35 30/35 30/35	30/35 30/35 30/35
RQPL-B049CK	No Heat A10C A15C	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 20.0/23.1 30.1/34.7	26/26 51/54 63/69	30/35 60/60 70/70	30/35 60/60 70/70	30/35 60/60 80/80	— 25/29 38/44	— 25/30 40/45	26/26 26/26 26/26	30/35 30/35 30/35	30/35 30/35 30/35

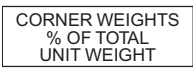


Air

Electric Heater Kits
RQPL Series



INTEGRATED AIR & WATER

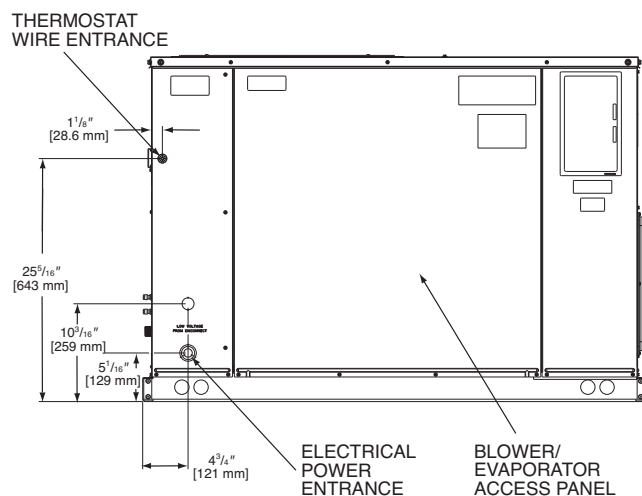


BOTTOM VIEW

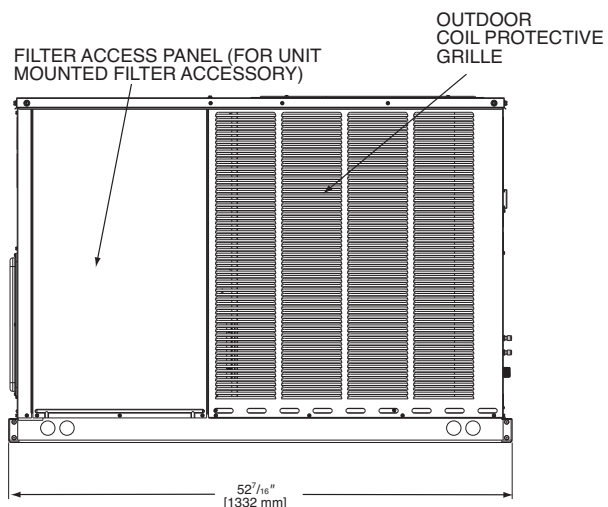


[] Designates Metric Conversions

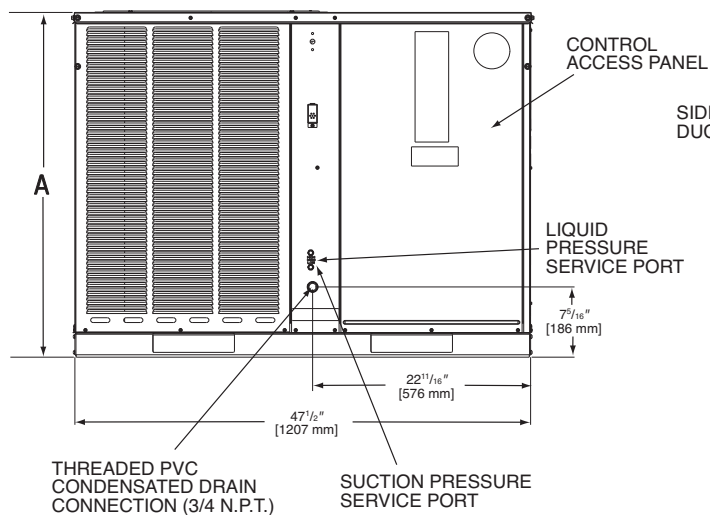
SIDE VIEW



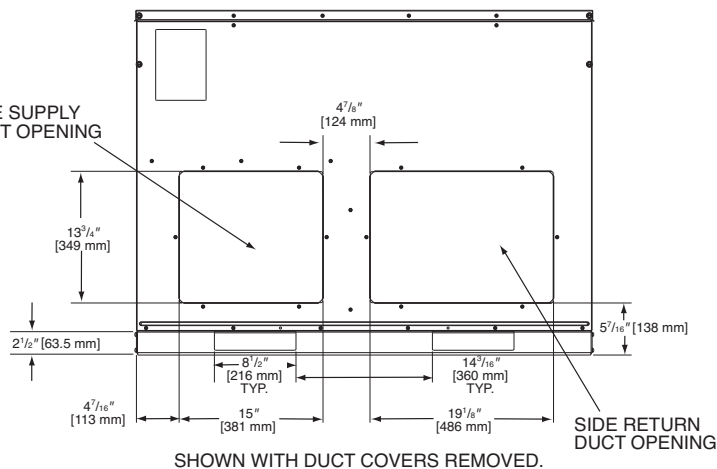
SIDE VIEW



FRONT VIEW



BACK VIEW

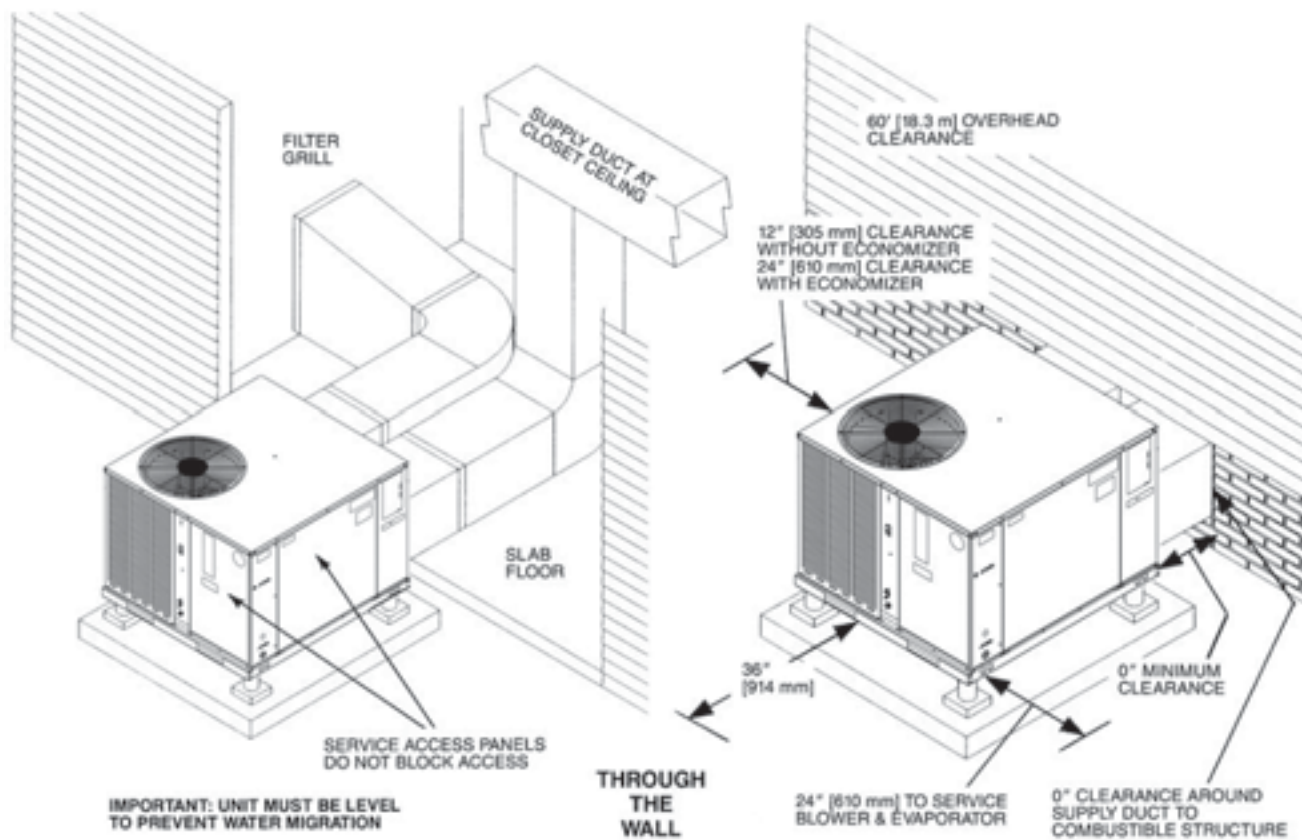


IMPORTANT:
INSTALLATION MUST NOT
INTERFERE WITH DRAINAGE
OPENINGS IN BOTTOM OF
UNIT UNDER OUTDOOR COIL.

Model Number	Height "A"
B024, B025	35 ¹⁵ / ₁₆
B030, C036, B042, B049	41

IMPORTANT:
UNIT MUST BE LEVEL TO
PREVENT WATER MIGRATION.

[] Designates Metric Conversions

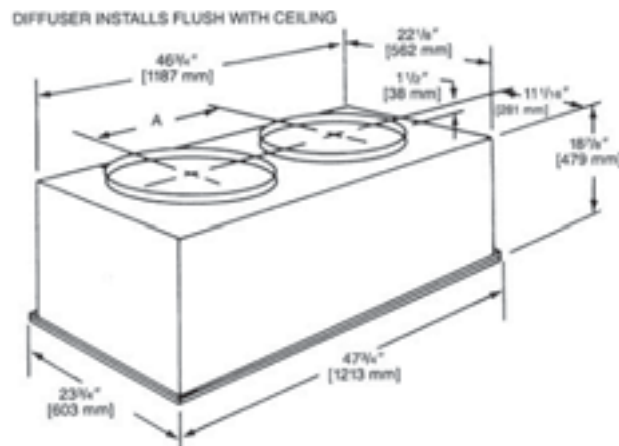
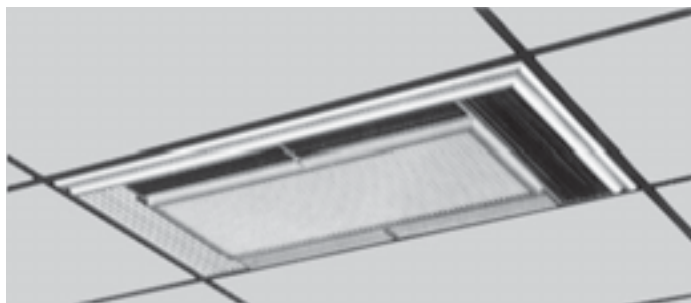


[] Designates Metric Conversions

ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Roofcurb	RQPL-	RXQG-AAA14 (14" [356 mm] Height) RXQG-AAA24 (24" [610 mm] Height)
Supply & Return Diffusers	RQPL-	RXRN-BD15
Economizers (Convertible)	RQPL-	AXRD-01RACAM3
Dual Enthalpy Kit		RXAX-A04
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



SUPPLY/RETURN DIFFUSER



Designed to convert a side by side or an over and under arrangement into a concentric distribution of air. The diffuser is flush mounted, completely insulated, assembled, and internally baffled to provide four way supply air distribution with a center return. To make the assembly complete and ready to fit into a 2' [0.61 m] x 4' [1.22 m] suspended ceiling grid, the diffuser includes adjustable supply louvers, hanging rings, anti-sweat gasket, and round flanges for use with flexible ducts.

Model No. RXRN-	Diameter Inches [mm]	Shipping Wt. Lbs. [kg]	Dimension A Inches [mm]
BD15	16 [406]	90 [40.82]	20 1/2 [521]

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])

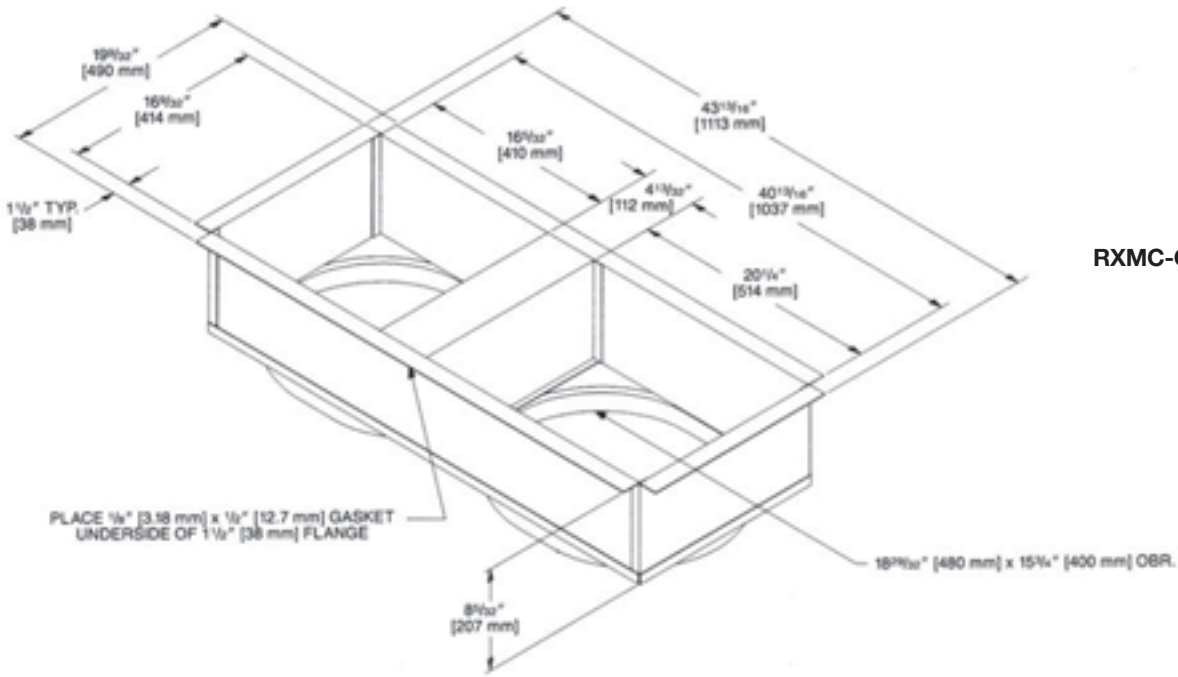
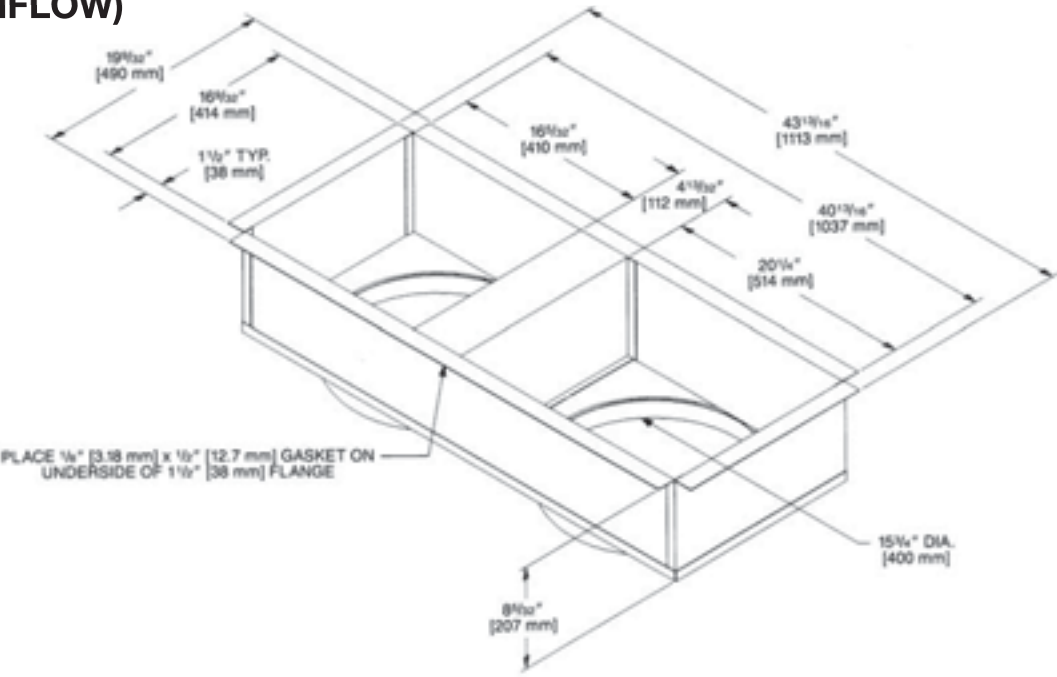
Accessory	Approximate CFM [L/s]-Supply Air			
	1300 [614]	1575 [743]	1800 [850]	2200 [1038]
Plenum & Supply/Return Duct	.07 [.017]	.10 [.024]	.12 [.030]	.17 [.042]
Diffuser	.09 [.022]	.13 [.032]	.16 [.040]	.24 [.060]
Economizer	.06 [.015]	.09 [.022]	.11 [.027]	.17 [.042]

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

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03

[] Designates Metric Conversions

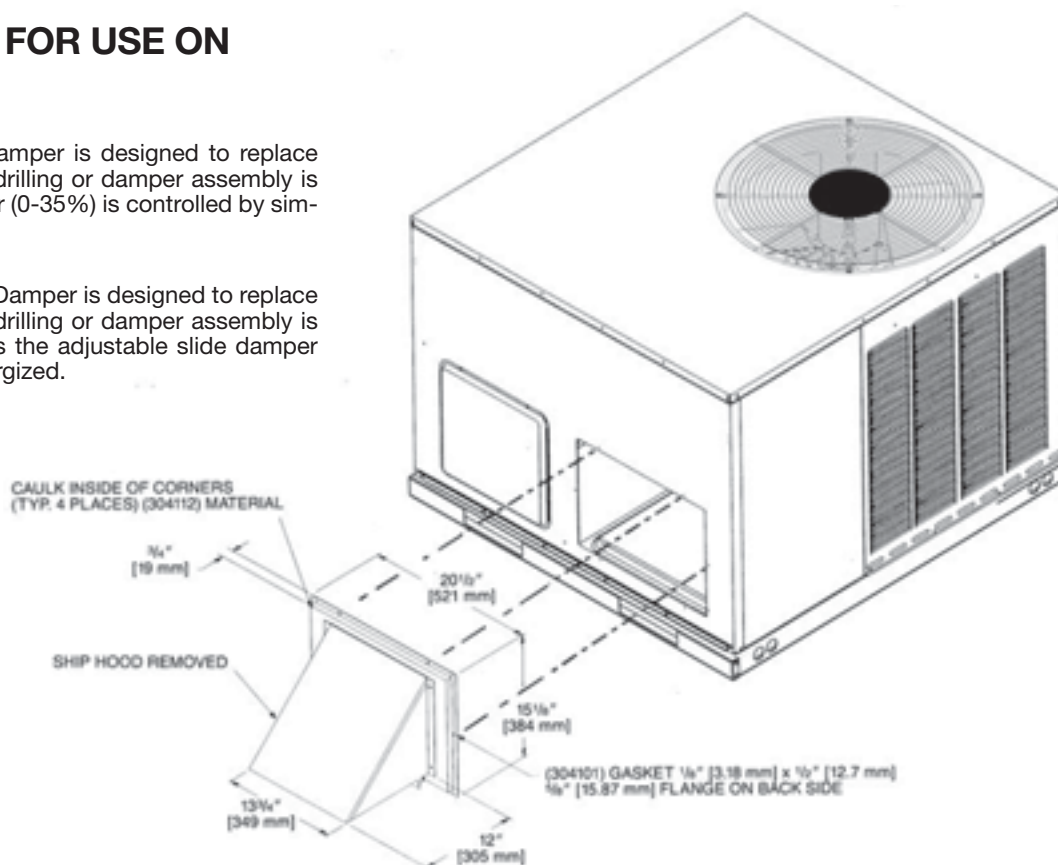
FRESH AIR DAMPER FOR USE ON RQPL- SERIES

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.

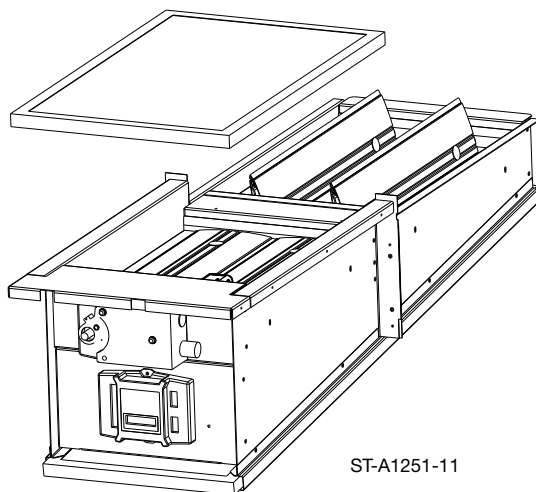
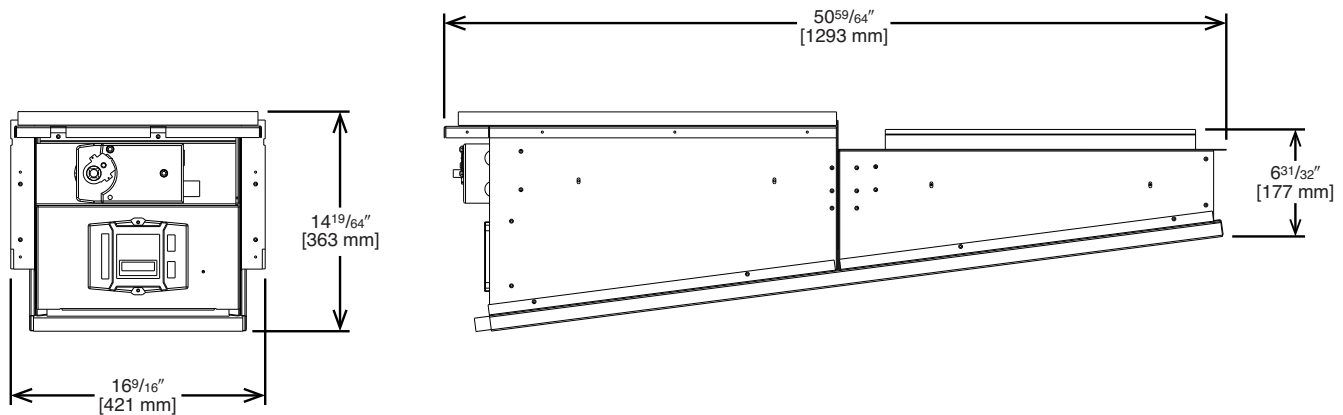
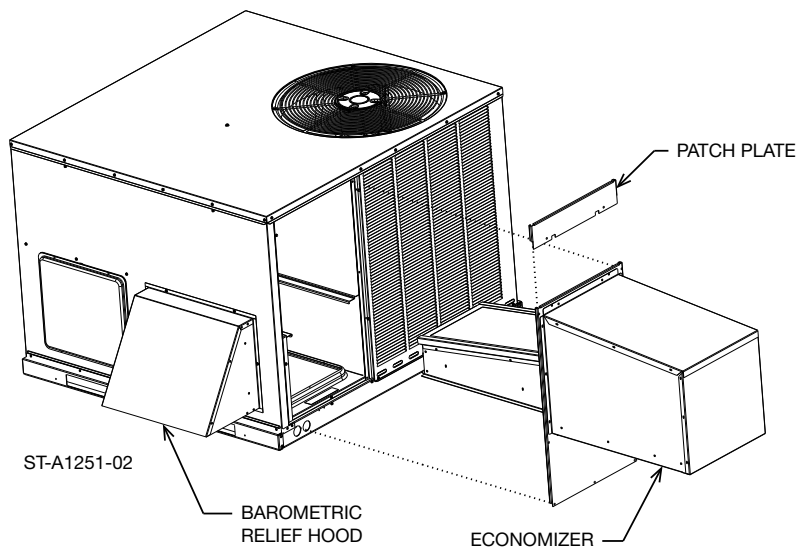


[] Designates Metric Conversions

ECONOMIZERS

AXRD-01RACAM3 (Fully Modulating) Horizontally and Vertically Applicable

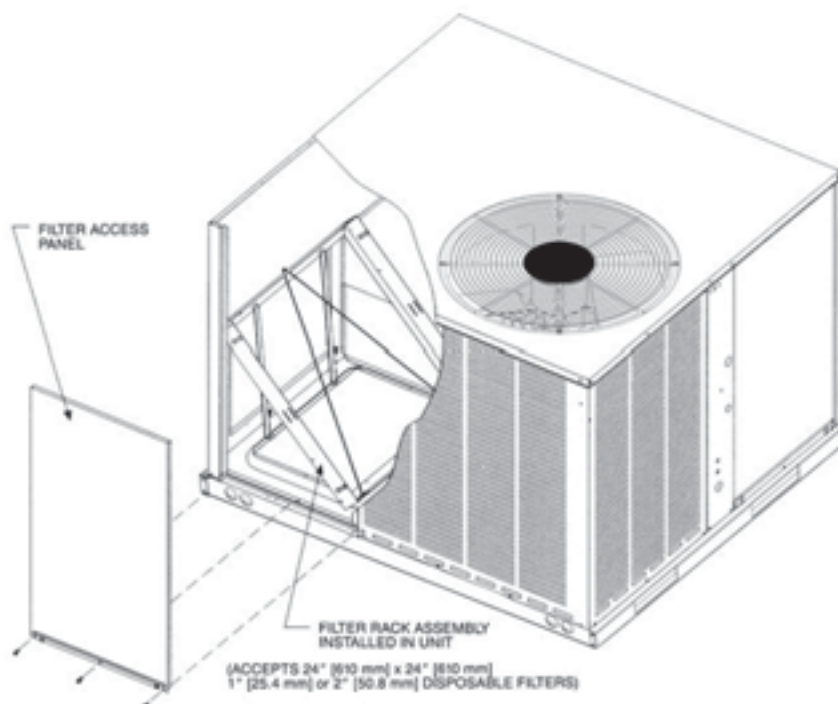
- LCD Screen for Continuous diagnostic and system status
- Programmable set points for accurate positioning
- Simplified wiring and color coded terminals
- Onboard fault detection and diagnostics (FDD)
- Operational Checkout to verify installation
- Enthalpy sensors and actuator that communicate through a Sylk Bus Network with the Jade Controller reducing wiring errors while providing more information
- CO₂ sensor input for DCV (Demand Control Ventilation) applications
- RXRX-AV04 Dual Enthalpy kit available for field installation
- AMCA licensed class 1A low leak Dampers



[] Designates Metric Conversions

FILTER KIT INSTALLATION RXRY-B01

For use in either vertical
or horizontal discharge.



Minimum Airflow	CFM [L/s]	
	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]

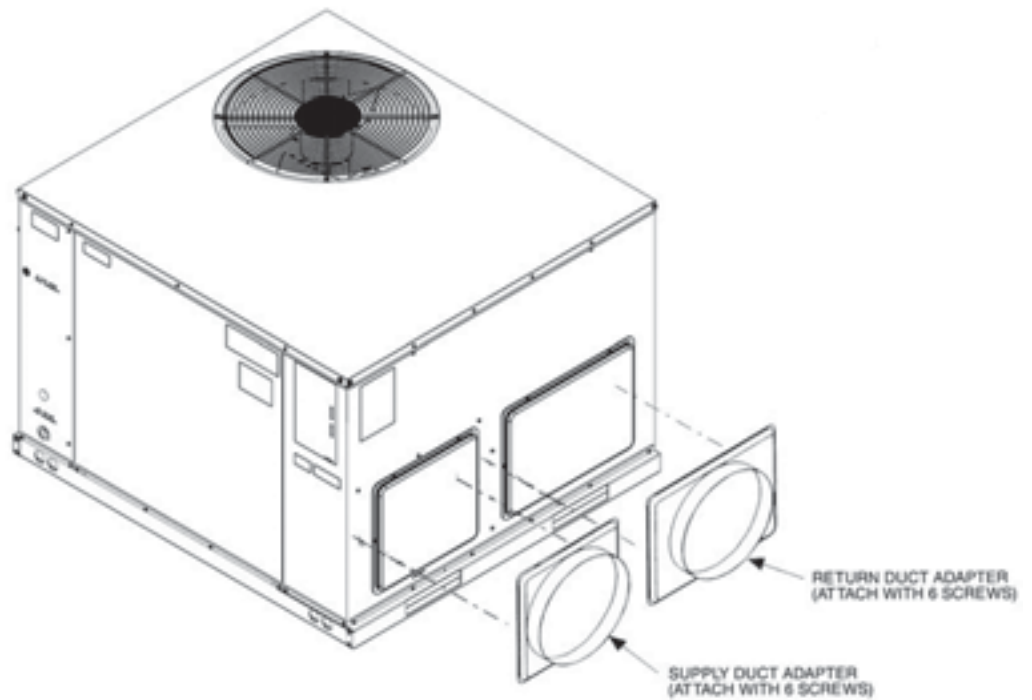
[] Designates Metric Conversions

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



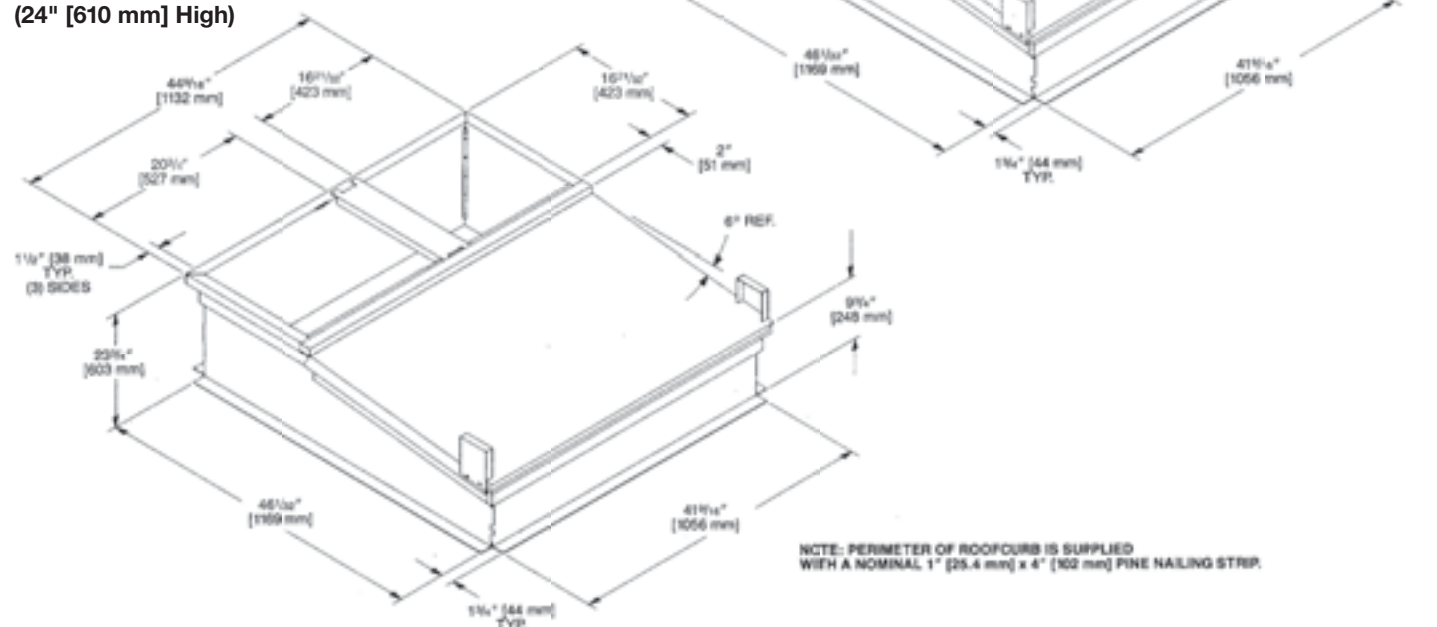
Roofcurb (Sloped) RXQG-AAA14 & RXQG-AAA24 for RQPL- Series

Note: Heat pump models must
use sloped curbs.

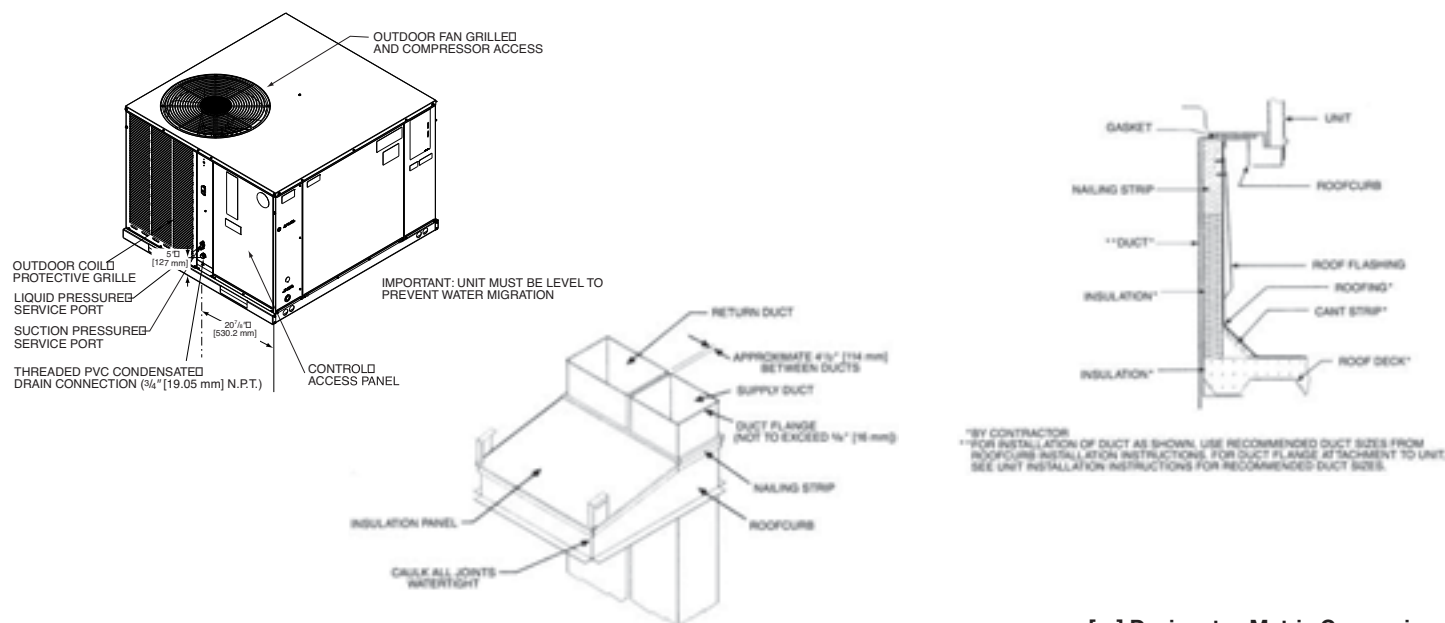
Hinged corners make
for fast, easy set-up.

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

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



Packaged Heat Pump Roofcurb Installation (Sloped)



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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 ApplicationsTen (10) Years

Compressor

1 Phase, Residential Applications.....Ten (10) Years

1 & 3 Phase, Commercial ApplicationsFive (5) Years

Parts

1 & 3 Phase, Commercial ApplicationsOne (1) Year



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INTEGRATED AIR & WATER

PRINTED IN U.S.A 12/20 QG FORM NO. P11-791 REV. 6