



SELF-CONTAINED COOLING PACKAGE UNITS

FORM NO. S11-929 REV. 1
Supersedes Form No. S11-929

RSKA- STANDARD EFFICIENCY 10-SEER SERIES
NOMINAL SIZES 1.5-5 TONS [5-17.6 kW]

RSMA- HIGH EFFICIENCY 12-SEER SERIES
NOMINAL SIZES 1.5-4 TONS [5-14 kW]

RSNA- SUPER HIGH EFFICIENCY 13-SEER SERIES
NOMINAL SIZES 2, 2.5 & 3 TONS [7, 8.8 & 10.5 kW]





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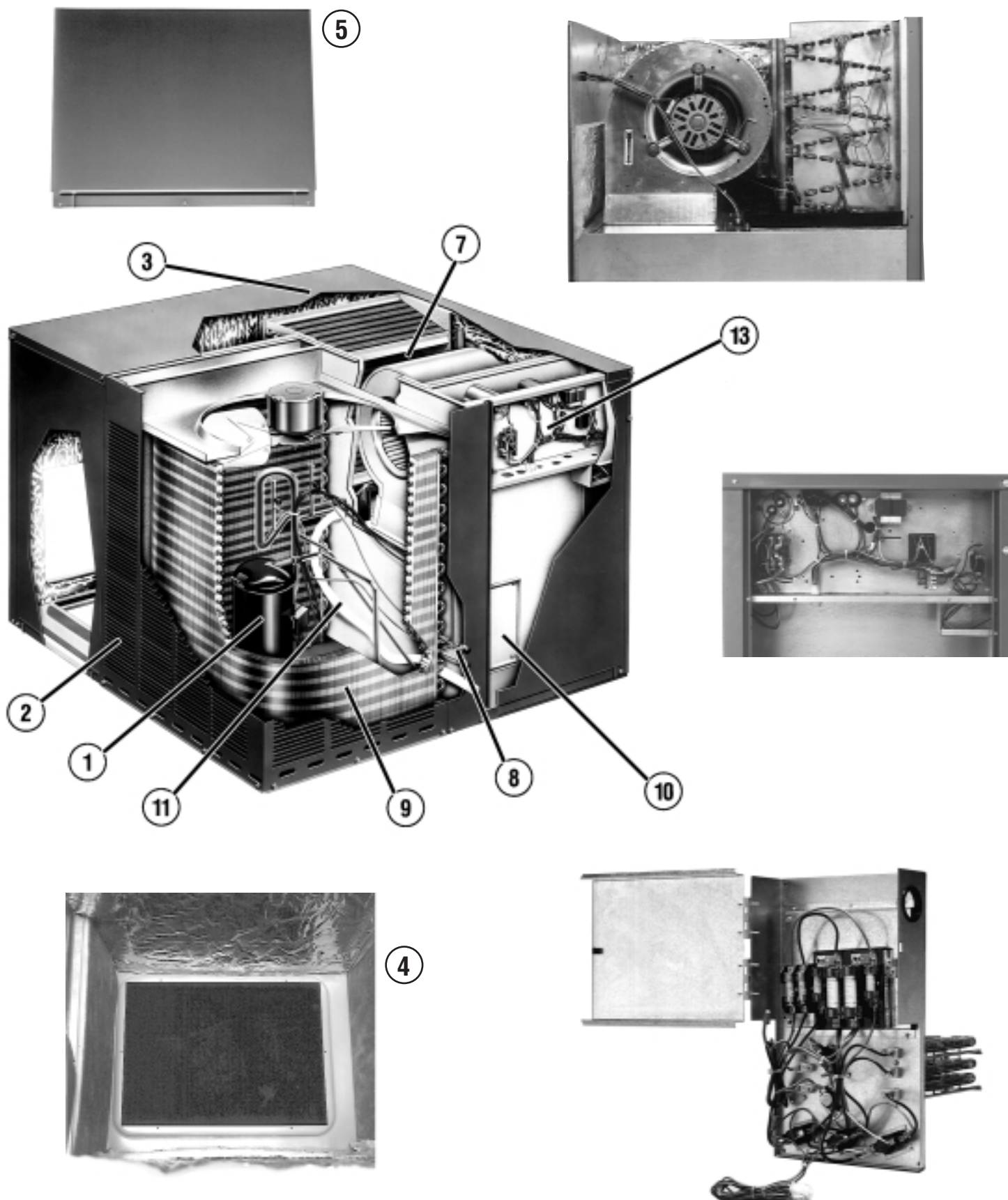
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These quality features are included in the Rheem Self-Contained Cooling Package Units





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Features Below Correspond to Photos on Page 3

1. All models feature Copeland® Scroll® compressors for maximum efficiency and quiet operation.
2. Louvered condenser compartment for protecting the coil against yard hazards and/or weather extremes.
3. One-piece top with a drip lip to help keep water off of the unit sides.
4. Supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork.
5. Access panels have “weep holes” and channels to further help manage water run-off.
6. Side and down discharge options available on all models.
7. Easily accessible blower section complete with slide-out blower. All units feature a system matched MultiFlex® coil with low static pressure drop and excellent cooling capacities.
8. Refrigerant connections are conveniently located for easy service diagnostics.
9. Condenser and evaporator coils feature enhanced fins for better heat transfer and rifled copper tubing for greater efficiency.
10. 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. Integral gasketing on the base rails is standard on those units shipped from the factory in the down-flow configuration.
13. Easily accessible control box.



MODEL IDENTIFICATION—RSKA/RSMA/RSNA- SERIES



R S K A — A 036 J K 010 X X

Factory Installed Options
(See Next Page)

Heating Capacity (Factory Installed)

000 = No Resistance Heat

005 = 05 KW Resistance Heat (018-030)

006 = 06 KW Resistance Heat (036-048)

010 = 10 KW Resistance Heat (024-048)

011 = 10 KW Resistance Heat (Canada)
(024-048)

015 = 15 KW Resistance Heat (036-048)

016 = 15 KW Resistance Heat (Canada)
(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]

018 = 18,000 [5.28]

024 = 24,000 [7.03]

030 = 30,000 [8.79]

036 = 36,000 [10.55]

042 = 42,000 [12.31]

048 = 48,000 [14.07]

060 = 60,000 [17.59]

Future Technical Variations

Design Series

A = 1st Design

Efficiency Designation

K = 10 SEER Standard Efficiency

M = 12 SEER High Efficiency

N = 13 SEER Super High Efficiency

Product Classification

S = Self-Contained Air Conditioner

Tradebrand

R = Rheem

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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
AK	x

Example: RSKA-A036JK000**XX** (where **XX** is factory installed option)

Example: No Options
RSKA-A036JK000

Example: Options with Sideflow
RSKA-A036JK000AK

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



NOMINAL SIZES 1.5-5 TONS [5-17.6 kW]

Model RSKA- Series	A018JK	A024JK	A030JK	A036CK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	17,600 [5.2]	24,800 [7.3]	31,200 [9.1]	37,400 [11]
EER/SEER ²	9.65/10	9.3/10	9.1/10	9/10
Nominal CFM/ARI Rated CFM [L/s]	600/600 [283/283]	800/800 [378/378]	1000/1000 [472/472]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	17,000 [5]	24,000 [7]	30,000 [8.8]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	12,008 [3.5]	16,706 [4.9]	20,672 [6.1]	24,723 [7.2]
Net Latent Capacity Btu [kW]	4992 [1.5]	7294 [2.1]	9328 [2.7]	11,277 [3.3]
Net System Power kW	1.8	2.6	3.3	4
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)³	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
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]	7.97 [0.74]	7.97 [0.74]	7.97 [0.74]	10.5 [0.98]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.07 [0.47]	5.07 [0.47]	7.6 [0.71]	7.6 [0.71]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/20 [508]	1/20 [508]	1/20 [508]	1/20 [508]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	1750 [826]	1750 [826]	2580 [1218]	2730 [1288]
No. Motors/HP	1 at 1/15 HP	1 at 1/15 HP	1 at 1/5 HP	1 at 1/5 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [228.6x177.8]	1/9x7 [228.6x177.8]	1/10x9 [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	1/4	1/4	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x16x20 [25x406x508]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	44 [1247]	50 [1418]	54 [1531]	62 [1758]
Weights				
Net Weight lbs. [kg]	324 [147]	330 [150]	349 [158]	361 [164]
Ship Weight lbs. [kg]	364 [165]	370 [168]	389 [176]	401 [182]

See Page 14 for Notes.

[] Designates Metric Conversions



NOMINAL SIZES 1.5-5 TONS [5-17.6 kW]

Model RSKA- Series	A036JK	A042CK	A042JK	A048CK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,400 [11]	42,000 [12.3]	42,000 [12.3]	48,500 [14.2]
EER/SEER ²	9/10	9.3/10	9.3/10	8.7/10
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1400/1400 [661/661]	1400/1400 [661/661]	1600/1500 [755/708]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	40,500 [11.9]	40,500 [11.9]	46,500 [13.6]
Net Sensible Capacity Btu [kW]	24,723 [7.2]	27,891 [8.2]	27,891 [8.2]	32,340 [9.5]
Net Latent Capacity Btu [kW]	11,277 [3.3]	12,609 [3.7]	12,609 [3.7]	14,160 [4.1]
Net System Power kW	4	4.4	4.4	5.4
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)³	76	76	76	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
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]	10.5 [0.98]	12.76 [1.19]	12.76 [1.19]	12.76 [1.19]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	7.6 [0.71]	10.13 [0.94]	10.13 [0.94]	10.13 [0.94]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/20 [508]	1/20 [508]	1/20 [508]	1/20 [508]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2730 [1288]	2675 [1262]	2675 [1262]	3200 [1510]
No. Motors/HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	56
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	62 [1758]	74 [1956]	74 [2098]	78 [2211]
Weights				
Net Weight lbs. [kg]	361 [164]	372 [169]	372 [169]	397 [180]
Ship Weight lbs. [kg]	401 [182]	412 [187]	412 [187]	437 [198]

See Page 14 for Notes.

[] Designates Metric Conversions

**NOMINAL SIZES 1.5-5 TONS [5-17.6 kW]**

Model RSKA- Series	A048JK	A060CK	A060JK
Cooling Performance¹			
Gross Cooling Capacity Btu [kW]	48,500 [14.2]	60,500 [17.7]	60,500 [17.7]
EER/SEER ²	8.7/10	9/10	9/10
Nominal CFM/ARI Rated CFM [L/s]	1600/1500 [755/708]	1900/2000 [897/944]	1900/2000 [897/944]
ARI Net Cooling Capacity Btu [kW]	46,500 [13.6]	58,000 [17]	58,000 [17]
Net Sensible Capacity Btu [kW]	32,340 [9.5]	40,000 [11.7]	40,000 [11.7]
Net Latent Capacity Btu [kW]	14,160 [4.1]	18,000 [5.3]	18,000 [5.3]
Net System Power kW	5.4	6.4	6.4
Compressor			
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)³			
	78	78	78
Outdoor Coil—Fin Type			
Tube Type	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	12.76 [1.19]	12.76 [1.19]	12.76 [1.19]
Rows / FPI [FPcm]	1 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type			
Tube Type	Louvered	Louvered	Louvered
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	10.13 [0.94]	12.67 [1.18]	12.67 [1.18]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type			
	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/20 [508]	1/20 [508]	1/20 [508]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1
CFM [L/s]	3200 [1510]	2900 [1369]	2900 [1369]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075
Indoor Fan—Type			
	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1
Motor HP	3/4	3/4	3/4
Motor RPM	1725	1725	1725
Motor Frame Size	56	56	56
Filter—Type			
Furnished	Field Supplied	Field Supplied	Field Supplied
	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x30 [25x610x762]	(1)1x24x30 [25x610x762]
Refrigerant Charge Oz. [g]			
	75 [2126]	119 [3374]	119 [3374]
Weights			
Net Weight lbs. [kg]	406 [184]	467 [212]	467 [212]
Ship Weight lbs. [kg]	446 [202]	512 [232]	512 [232]

See Page 14 for Notes.

[] Designates Metric Conversions



NOMINAL SIZES 1.5-4 TONS [5-14 kW]

Model RSMA- Series	A018JK	A024JK	A030JK	A036CK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	18,700 [5.5]	24,800 [7.3]	29,800 [8.7]	37,200 [10.9]
EER/SEER ²	10.7/12	10.5/12	10.5/12	10.6/12
Nominal CFM/ARI Rated CFM [L/s]	600/600 [283/283]	800/800 [378/378]	1000/1000 [472/472]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	18,000 [5.3]	24,000 [7]	28,600 [8.4]	35,800 [10.5]
Net Sensible Capacity Btu [kW]	12,712 [3.7]	17,104 [5]	20,306 [5.9]	24,100 [7.1]
Net Latent Capacity Btu [kW]	5288 [1.5]	6896 [2]	8294 [2.4]	11,700 [3.4]
Net System Power kW	1.7	2.3	2.8	3.4
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)³	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
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]	12.76 [1.19]	12.76 [1.19]	12.76 [1.19]	12.76 [1.19]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	7.6 [0.71]	7.6 [0.71]	10.13 [0.94]	10.13 [0.94]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/20 [508]	1/20 [508]	1/20 [508]	1/20 [508]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	1815 [856]	1815 [856]	2675 [1262]	2500 [1180]
No. Motors/HP	1 at 1/15 HP	1 at 1/15 HP	1 at 1/5 HP	1 at 1/5 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [228.6x177.8]	1/9x7 [228.6x177.8]	1/10x9 [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	1/4	1/4	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x16x20 [25x406x508]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	69 [1956]	70 [1984]	80 [2268]	99 [2807]
Weights				
Net Weight lbs. [kg]	334 [152]	344 [156]	363 [165]	385 [175]
Ship Weight lbs. [kg]	374 [170]	384 [174]	403 [183]	425 [193]

See Page 14 for Notes.

[] Designates Metric Conversions



NOMINAL SIZES 1.5-4 TONS [5-14 kW]

Model RSMA- Series	A036JK	A042CK	A042JK	A048CK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,200 [10.9]	41,500 [12.2]	41,500 [12.2]	48,000 [14.1]
EER/SEER ²	10.6/12	10.5/12	10.5/12	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1300/1400 [613/661]	1300/1400 [613/661]	1500/1500 [708/708]
ARI Net Cooling Capacity Btu [kW]	35,800 [10.5]	40,000 [11.7]	40,000 [11.7]	46,000 [13.5]
Net Sensible Capacity Btu [kW]	24,100 [7.1]	28,312 [8.3]	28,312 [8.3]	32,325 [9.5]
Net Latent Capacity Btu [kW]	11,700 [3.4]	11,688 [3.4]	11,688 [3.4]	13,675 [4]
Net System Power kW	3.4	3.9	3.9	4.5
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)³	76	76	76	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	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]	12.76 [1.19]	12.76 [1.19]	12.76 [1.19]	12.76 [1.19]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	10.13 [0.94]	10.13 [0.94]	10.13 [0.94]	10.13 [0.94]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/20 [508]	1/20 [508]	1/20 [508]	1/20 [508]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2500 [1180]	2500 [1180]	2500 [1180]	2900 [1369]
No. Motors/HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	56
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	99 [2807]	114 [3232]	114 [3232]	117 [3317]
Weights				
Net Weight lbs. [kg]	385 [175]	389 [176]	389 [176]	425 [193]
Ship Weight lbs. [kg]	425 [193]	429 [195]	429 [195]	465 [211]

See Page 14 for Notes.

[] Designates Metric Conversions



NOMINAL SIZES 1.5-4 TONS [5-14 kW]

Model RSMA- Series	A048JK
Cooling Performance¹	
Gross Cooling Capacity Btu [kW]	48,000 [14.1]
EER/SEER ²	10.5/12
Nominal CFM/ARI Rated CFM [L/s]	1500/1500 [708/708]
ARI Net Cooling Capacity Btu [kW]	46,000 [13.5]
Net Sensible Capacity Btu [kW]	32,325 [9.5]
Net Latent Capacity Btu [kW]	13,675 [4]
Net System Power kW	4.5
Compressor	
No./Type	1/Copeland Scroll
Outdoor Sound Rating (dB)³	78
Outdoor Coil—Fin Type	Louvered
Tube Type	Smooth
Tube Size in. [mm] OD	0.375 [9.5]
Face Area sq. ft. [sq. m]	12.76 [1.19]
Rows / FPI [FPcm]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered
Tube Type	Rifled
Tube Size in. [mm]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	10.13 [0.94]
Rows / FPI [FPcm]	1 / 18 [7]
Refrigerant Control	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]
Outdoor Fan—Type	Propeller
No. Used/Diameter in. [mm]	1/20 [508]
Drive Type/No. Speeds	Direct/1
CFM [L/s]	2900 [1369]
No. Motors/HP	1 at 1/3 HP
Motor RPM	1075
Indoor Fan—Type	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/3
No. Motors	1
Motor HP	3/4
Motor RPM	1725
Motor Frame Size	56
Filter—Type	Field Supplied
Furnished	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	117 [3317]
Weights	
Net Weight lbs. [kg]	434 [197]
Ship Weight lbs. [kg]	474 [215]

See Page 14 for Notes.

[] Designates Metric Conversions

**NOMINAL SIZES 2, 2.5 & 3 TONS [7, 8.8 & 10.5 kW]**

Model RSNA- Series	A024JK	A030JK	A036CK	A036JK
Cooling Performance¹				
Gross Cooling Capacity Btu [kW]	24,200 [7.1]	32,600 [9.6]	36,600 [10.7]	36,600 [10.7]
EER/SEER ²	11.6/13	11.7/13	11.6/13	11.6/13
Nominal CFM/ARI Rated CFM [L/s]	800/800 [378/378]	1000/1000 [472/472]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	23,400 [6.9]	31,400 [9.2]	35,400 [10.4]	35,400 [10.4]
Net Sensible Capacity Btu [kW]	16,559 [4.9]	22,168 [6.5]	24,580 [7.2]	24,580 [7.2]
Net Latent Capacity Btu [kW]	6841 [2]	9232 [2.7]	10,820 [3.2]	10,820 [3.2]
Net System Power kW	2	2.7	3.1	3.1
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)³				
	76	76	76	76
Outdoor Coil—Fin Type				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	12.76 [1.19]	12.76 [1.19]	12.76 [1.19]	12.76 [1.19]
Rows / FPI [FPcm]	1 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	10.13 [0.94]	10.13 [0.94]	10.13 [0.94]	10.13 [0.94]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type				
	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/20 [508]	1/20 [508]	1/20 [508]	1/20 [508]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	1815 [856]	2500 [1180]	2500 [1180]	2500 [1180]
No. Motors/HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/5 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type				
	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [228.6x177.8]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/2	Direct/3	Direct/1	Direct/1
No. Motors	1	1	1	1
Motor HP	1/4	1/2	1/3	1/3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type				
Furnished	Field Supplied	Field Supplied	Field Supplied	Field Supplied
(No.) Size Recommended in. [mm]	No	No	No	No
	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]				
	80 [2268]	112 [3175]	114 [3232]	114 [3232]
Weights				
Net Weight lbs. [kg]	362 [164]	385 [175]	389 [176]	389 [176]
Ship Weight lbs. [kg]	402 [182]	425 [193]	429 [195]	429 [195]

See Page 14 for Notes.

[] Designates Metric Conversions



NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to $\pm 20\%$ of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on ARI Standard 210/240 or 360.
2. EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures.
3. Outdoor Sound Rating shown is tested in accordance with ARI Standard 270.

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RSKA- SERIES

GROSS SYSTEMS PERFORMANCE DATA—RSKA-A018

			ENTERING INDOOR AIR @ 80°F [26.7°C]								
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			660 [311]	600 [283]	510 [241]	660 [311]	600 [283]	510 [241]	660 [311]	600 [283]	510 [241]
DR ①			.27	.26	.24	.27	.26	.24	.27	.26	.24
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	21.9 [6.42]	21.6 [6.33]	21.1 [6.18]	20.0 [5.86]	19.7 [5.77]	19.2 [5.63]	18.6 [5.45]	18.3 [5.36]	17.8 [5.22]
		Sens BTUH [kW]	12.0 [3.52]	11.4 [3.34]	10.5 [3.08]	14.0 [4.10]	13.4 [3.93]	12.5 [3.66]	15.6 [4.57]	15.0 [4.40]	14.1 [4.13]
		Power	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	80 [26.7]	Total BTUH [kW]	21.2 [6.21]	20.9 [6.13]	20.4 [5.98]	19.3 [5.66]	19.0 [5.57]	18.5 [5.42]	17.9 [5.25]	17.6 [5.16]	17.1 [5.01]
		Sens BTUH [kW]	11.7 [3.43]	11.2 [3.28]	10.3 [3.02]	13.7 [4.02]	13.1 [3.84]	12.3 [3.60]	15.3 [4.48]	14.7 [4.31]	13.9 [4.07]
		Power	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	85 [29.4]	Total BTUH [kW]	20.7 [6.07]	20.3 [5.95]	19.9 [5.83]	18.8 [5.51]	18.5 [5.42]	18.0 [5.28]	17.4 [5.10]	17.0 [4.98]	16.6 [4.86]
		Sens BTUH [kW]	11.6 [3.40]	11.0 [3.22]	10.1 [2.96]	13.5 [3.96]	13.0 [3.81]	12.1 [3.55]	15.1 [4.43]	14.5 [4.25]	13.7 [4.02]
		Power	1.5	1.4	1.4	1.5	1.5	1.4	1.4	1.4	1.4
	90 [32.2]	Total BTUH [kW]	20.2 [5.92]	19.9 [5.83]	19.4 [5.69]	18.3 [5.36]	18.0 [5.28]	17.5 [5.13]	16.9 [4.95]	16.6 [4.86]	16.1 [4.72]
		Sens BTUH [kW]	11.4 [3.34]	10.8 [3.17]	9.9 [2.90]	13.4 [3.93]	12.8 [3.75]	11.9 [3.49]	15.0 [4.40]	14.4 [4.22]	13.5 [3.96]
		Power	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5
	95 [35]	Total BTUH [kW]	19.8 [5.80]	19.5 [5.71]	19.0 [5.57]	17.9 [5.25]	17.6 [5.16]	17.1 [5.01]	16.5 [4.84]	16.2 [4.75]	15.7 [4.60]
		Sens BTUH [kW]	11.2 [3.28]	10.6 [3.11]	9.7 [2.84]	13.2 [3.87]	12.6 [3.69]	11.7 [3.43]	14.8 [4.34]	14.2 [4.16]	13.3 [3.90]
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	100 [37.8]	Total BTUH [kW]	19.3 [5.66]	19.0 [5.57]	18.5 [5.42]	17.5 [5.13]	17.1 [5.01]	16.7 [4.89]	16.1 [4.72]	15.7 [4.60]	15.3 [4.48]
		Sens BTUH [kW]	11.0 [3.22]	10.4 [3.05]	9.5 [2.78]	13.0 [3.81]	12.4 [3.63]	11.5 [3.37]	14.5 [4.25]	14.0 [4.10]	13.1 [3.84]
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
	105 [40.6]	Total BTUH [kW]	18.8 [5.51]	18.5 [5.42]	18.0 [5.28]	16.9 [4.95]	16.6 [4.86]	16.1 [4.72]	15.5 [4.54]	15.2 [4.45]	14.7 [4.31]
		Sens BTUH [kW]	10.7 [3.14]	10.1 [2.96]	9.2 [2.70]	12.7 [3.72]	12.1 [3.55]	11.2 [3.28]	14.3 [4.19]	13.7 [4.02]	12.8 [3.75]
		Power	1.8	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7
	110 [43.3]	Total BTUH [kW]	18.1 [5.30]	17.8 [5.22]	17.3 [5.07]	16.2 [4.75]	15.9 [4.66]	15.4 [4.51]	14.8 [4.34]	14.5 [4.25]	14.0 [4.10]
		Sens BTUH [kW]	10.3 [3.02]	9.7 [2.84]	8.9 [2.61]	12.3 [3.60]	11.7 [3.43]	10.9 [3.19]	13.9 [4.07]	13.3 [3.90]	12.4 [3.63]
		Power	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8
	115 [46.1]	Total BTUH [kW]	17.2 [5.04]	16.9 [4.95]	16.4 [4.81]	15.3 [4.48]	15.0 [4.40]	14.5 [4.25]	13.9 [4.07]	13.6 [3.99]	13.1 [3.84]
		Sens BTUH [kW]	9.9 [2.90]	9.3 [2.73]	8.4 [2.46]	11.9 [3.49]	11.3 [3.31]	10.4 [3.05]	13.4 [3.93]	12.9 [3.78]	12.0 [3.52]
		Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9

GROSS SYSTEMS PERFORMANCE DATA—RSKA-A024

			ENTERING INDOOR AIR @ 80°F [26.7°C]								
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			880 [415]	800 [378]	680 [321]	880 [415]	800 [378]	680 [321]	880 [415]	800 [378]	680 [321]
DR ①			.25	.24	.22	.25	.24	.22	.25	.24	.22
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	28.8 [8.44]	28.4 [8.32]	27.7 [8.12]	27.2 [7.97]	26.8 [7.85]	26.1 [7.65]	25.0 [7.33]	24.5 [7.18]	23.9 [7.00]
		Sens BTUH [kW]	15.8 [4.63]	14.9 [4.37]	13.7 [4.02]	18.9 [5.54]	18.1 [5.30]	16.9 [4.95]	21.4 [6.27]	20.6 [6.04]	19.3 [5.66]
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
	80 [26.7]	Total BTUH [kW]	28.8 [8.44]	28.4 [8.32]	27.7 [8.12]	27.2 [7.97]	26.7 [7.82]	26.1 [7.65]	25.0 [7.33]	24.5 [7.18]	23.8 [6.98]
		Sens BTUH [kW]	15.7 [4.60]	14.9 [4.37]	13.7 [4.02]	18.9 [5.54]	18.1 [5.30]	16.9 [4.95]	21.4 [6.27]	20.5 [6.01]	19.3 [5.66]
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0
	85 [29.4]	Total BTUH [kW]	28.4 [8.32]	28.0 [8.21]	27.3 [8.00]	26.8 [7.85]	26.3 [7.71]	25.7 [7.53]	24.6 [7.21]	24.1 [7.06]	23.4 [6.86]
		Sens BTUH [kW]	15.6 [4.57]	14.8 [4.34]	13.6 [3.99]	18.8 [5.51]	18.0 [5.28]	16.8 [4.92]	21.2 [6.21]	20.4 [5.98]	19.2 [5.63]
		Power	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1
	90 [32.2]	Total BTUH [kW]	27.8 [8.15]	27.3 [8.00]	26.6 [7.80]	26.1 [7.65]	25.7 [7.53]	25.0 [7.33]	23.9 [7.00]	23.4 [6.86]	22.8 [6.68]
		Sens BTUH [kW]	15.4 [4.51]	14.6 [4.28]	13.4 [3.93]	18.6 [5.45]	17.8 [5.22]	16.6 [4.86]	21.0 [6.15]	20.2 [5.92]	19.0 [5.57]
		Power	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2
	95 [35]	Total BTUH [kW]	26.9 [7.88]	26.4 [7.74]	25.8 [7.56]	25.3 [7.41]	24.8 [7.27]	24.1 [7.06]	23.0 [6.74]	22.6 [6.62]	21.9 [6.42]
		Sens BTUH [kW]	15.2 [4.45]	14.3 [4.19]	13.1 [3.84]	18.3 [5.36]	17.5 [5.13]	16.3 [4.78]	20.8 [6.10]	20.0 [5.86]	18.7 [5.48]
		Power	2.5	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.4
	100 [37.8]	Total BTUH [kW]	25.9 [7.59]	25.5 [7.47]	24.8 [7.27]	24.3 [7.12]	23.9 [7.00]	23.2 [6.80]	22.1 [6.48]	21.6 [6.33]	21.0 [6.15]
		Sens BTUH [kW]	14.8 [4.34]	14.0 [4.10]	12.8 [3.75]	18.0 [5.28]	17.2 [5.04]	15.9 [4.66]	20.4 [5.98]	19.6 [5.74]	18.4 [5.39]
		Power	2.6	2.6	2.5	2.6	2.6	2.5	2.5	2.5	2.5
	105 [40.6]	Total BTUH [kW]	25.0 [7.33]	24.5 [7.18]	23.8 [6.98]	23.3 [6.83]	22.9 [6.71]	22.2 [6.51]	21.1 [6.18]	20.7 [6.07]	20.0 [5.86]
		Sens BTUH [kW]	14.4 [4.22]	13.6 [3.99]	12.4 [3.63]	17.6 [5.16]	16.8 [4.92]	15.5 [4.54]	20.0 [5.86]	19.2 [5.63]	18.0 [5.28]
		Power	2.7	2.7	2.6	2.7	2.7	2.6	2.6	2.6	2.6
	110 [43.3]	Total BTUH [kW]	24.1 [7.06]	23.6 [6.92]	22.9 [6.71]	22.4 [6.56]	22.0 [6.45]	21.3 [6.24]	20.2 [5.92]	19.8 [5.80]	19.1 [5.60]
		Sens BTUH [kW]	13.9 [4.07]	13.1 [3.84]	11.9 [3.49]	17.1 [5.01]	16.3 [4.78]	15.1 [4.43]	19.6 [5.74]	18.7 [5.48]	17.5 [5.13]
		Power	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7
	115 [46.1]	Total BTUH [kW]	23.3 [6.83]	22.9 [6.71]	22.2 [6.51]	21.7 [6.36]	21.3 [6.24]	20.6 [6.04]	19.5 [5.71]	19.0 [5.57]	18.4 [5.39]
		Sens BTUH [kW]	13.4 [3.93]	12.6 [3.69]	11.4 [3.34]	16.6 [4.86]	15.8 [4.63]	14.6 [4.28]	19.0 [5.57]	18.2 [5.33]	17.0 [4.98]
		Power	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8

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)].

[] Designates Metric Conversions



GROSS SYSTEMS PERFORMANCE DATA—RSKA-A030

ENTERING INDOOR AIR @ 80°F [26.7°C]											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]
DR ①			.26	.25	.23	.26	.25	.23	.26	.25	.23
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	36.2 [10.61]	35.6 [10.43]	34.8 [10.20]	34.7 [10.17]	34.2 [10.02]	33.3 [9.76]	33.4 [9.79]	32.8 [9.61]	32.0 [9.38]
		Sens BTUH [kW]	21.2 [6.21]	20.2 [5.92]	18.7 [5.48]	24.7 [7.24]	23.6 [6.92]	22.1 [6.48]	28.8 [8.44]	27.8 [8.15]	26.2 [7.68]
		Power	2.4	2.4	2.4	2.5	2.5	2.4	2.4	2.4	2.3
	80 [26.7]	Total BTUH [kW]	36.0 [10.55]	35.4 [10.37]	34.6 [10.14]	34.5 [10.11]	33.9 [9.94]	33.1 [9.70]	33.2 [9.73]	32.6 [9.55]	31.7 [9.29]
		Sens BTUH [kW]	20.6 [6.04]	19.6 [5.74]	18.1 [5.30]	24.0 [7.03]	23.0 [6.74]	21.5 [6.30]	28.2 [8.26]	27.2 [7.97]	25.6 [7.50]
		Power	2.6	2.6	2.5	2.6	2.6	2.6	2.5	2.5	2.5
	85 [29.4]	Total BTUH [kW]	35.3 [10.35]	34.8 [10.20]	33.9 [9.94]	33.9 [9.94]	33.3 [9.76]	32.5 [9.52]	32.5 [9.52]	31.9 [9.35]	31.1 [9.11]
		Sens BTUH [kW]	20.1 [5.89]	19.1 [5.60]	17.6 [5.16]	23.6 [6.92]	22.6 [6.62]	21.0 [6.15]	27.7 [8.12]	26.7 [7.82]	25.2 [7.39]
		Power	2.7	2.7	2.7	2.8	2.8	2.7	2.7	2.7	2.6
	90 [32.2]	Total BTUH [kW]	34.4 [10.08]	33.8 [9.91]	32.9 [9.64]	32.9 [9.64]	32.3 [9.47]	31.5 [9.23]	31.5 [9.23]	31.0 [9.09]	30.1 [8.82]
		Sens BTUH [kW]	19.8 [5.80]	18.7 [5.48]	17.2 [5.04]	23.2 [6.80]	22.2 [6.51]	20.7 [6.07]	27.3 [8.00]	26.3 [7.71]	24.8 [7.27]
		Power	2.9	2.8	2.8	2.9	2.9	2.9	2.8	2.8	2.8
	95 [35]	Total BTUH [kW]	33.2 [9.73]	32.6 [9.55]	31.8 [9.32]	31.7 [9.29]	31.2 [9.14]	30.3 [8.88]	30.4 [8.91]	29.8 [8.73]	29.0 [8.50]
		Sens BTUH [kW]	19.4 [5.69]	18.4 [5.39]	16.9 [4.95]	22.9 [6.71]	21.8 [6.39]	20.3 [5.95]	27.0 [7.91]	26.0 [7.62]	24.4 [7.15]
		Power	3.0	3.0	3.0	3.1	3.1	3.0	3.0	2.9	2.9
	100 [37.8]	Total BTUH [kW]	31.9 [9.35]	31.3 [9.17]	30.5 [8.94]	30.4 [8.91]	29.9 [8.76]	29.0 [8.50]	29.1 [8.53]	28.5 [8.35]	27.6 [8.09]
		Sens BTUH [kW]	19.0 [5.57]	18.0 [5.28]	16.5 [4.84]	22.5 [6.59]	21.5 [6.30]	19.9 [5.83]	26.6 [7.80]	25.6 [7.50]	24.1 [7.06]
		Power	3.2	3.1	3.1	3.2	3.2	3.2	3.1	3.1	3.1
	105 [40.6]	Total BTUH [kW]	30.6 [8.97]	30.0 [8.79]	29.1 [8.53]	29.1 [8.53]	28.5 [8.35]	27.7 [8.12]	27.7 [8.12]	27.2 [7.97]	26.3 [7.71]
		Sens BTUH [kW]	18.6 [5.45]	17.6 [5.16]	16.0 [4.69]	22.0 [6.45]	21.0 [6.15]	19.5 [5.71]	26.2 [7.68]	25.1 [7.36]	23.6 [6.92]
		Power	3.3	3.3	3.2	3.4	3.3	3.3	3.3	3.2	3.2
	110 [43.3]	Total BTUH [kW]	29.3 [8.59]	28.7 [8.41]	27.9 [8.18]	27.9 [8.18]	27.3 [8.00]	26.4 [7.74]	26.5 [7.77]	25.9 [7.59]	25.1 [7.36]
		Sens BTUH [kW]	18.0 [5.28]	17.0 [4.98]	15.4 [4.51]	21.4 [6.27]	20.4 [5.98]	18.9 [5.54]	25.6 [7.50]	24.5 [7.18]	23.0 [6.74]
		Power	3.5	3.4	3.4	3.5	3.5	3.5	3.4	3.4	3.3
	115 [46.1]	Total BTUH [kW]	28.2 [8.26]	27.7 [8.12]	26.8 [7.85]	26.8 [7.85]	26.2 [7.68]	25.4 [7.44]	25.4 [7.44]	24.9 [7.30]	24.0 [7.03]
		Sens BTUH [kW]	17.2 [5.04]	16.2 [4.75]	14.7 [4.31]	20.6 [6.04]	19.6 [5.74]	18.1 [5.30]	24.8 [7.27]	23.8 [6.98]	22.2 [6.51]
		Power	3.6	3.6	3.5	3.7	3.6	3.6	3.6	3.5	3.5

GROSS SYSTEMS PERFORMANCE DATA—RSKA-A036

ENTERING INDOOR AIR @ 80°F [26.7°C]											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]
DR ①			.27	.26	.24	.27	.26	.24	.27	.26	.24
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	42.9 [12.57]	42.2 [12.37]	41.2 [12.07]	41.4 [12.13]	40.7 [11.93]	39.7 [11.63]	39.7 [11.63]	39.0 [11.43]	38.0 [11.14]
		Sens BTUH [kW]	23.4 [6.86]	22.2 [6.51]	20.4 [5.98]	28.2 [8.26]	27.0 [7.91]	25.2 [7.39]	32.8 [9.61]	31.6 [9.26]	29.7 [8.70]
		Power	2.9	2.9	2.8	3.0	2.9	2.9	2.9	2.9	2.8
	80 [26.7]	Total BTUH [kW]	41.8 [12.25]	41.1 [12.05]	40.1 [11.75]	40.3 [11.81]	39.7 [11.63]	38.6 [11.31]	38.6 [11.31]	37.9 [11.11]	36.9 [10.81]
		Sens BTUH [kW]	23.3 [6.83]	22.1 [6.48]	20.3 [5.95]	28.1 [8.24]	26.9 [7.88]	25.1 [7.36]	32.7 [9.58]	31.5 [9.23]	29.7 [8.70]
		Power	3.1	3.1	3.0	3.2	3.1	3.1	3.1	3.0	3.0
	85 [29.4]	Total BTUH [kW]	41.0 [12.02]	40.3 [11.81]	39.3 [11.52]	39.5 [11.58]	38.8 [11.37]	37.8 [11.08]	37.8 [11.08]	37.1 [10.87]	36.1 [10.58]
		Sens BTUH [kW]	23.1 [6.77]	21.9 [6.42]	20.1 [5.89]	27.9 [8.18]	26.7 [7.82]	24.9 [7.30]	32.5 [9.52]	31.3 [9.17]	29.5 [8.65]
		Power	3.3	3.3	3.2	3.3	3.3	3.3	3.3	3.2	3.2
	90 [32.2]	Total BTUH [kW]	40.2 [11.78]	39.5 [11.58]	38.5 [11.28]	38.8 [11.37]	38.1 [11.17]	37.1 [10.87]	37.0 [10.84]	36.4 [10.67]	35.3 [10.35]
		Sens BTUH [kW]	22.9 [6.71]	21.6 [6.33]	19.8 [5.80]	27.7 [8.12]	26.4 [7.74]	24.6 [7.21]	32.2 [9.44]	31.0 [9.09]	29.2 [8.56]
		Power	3.5	3.5	3.4	3.5	3.5	3.5	3.4	3.4	3.4
	95 [35]	Total BTUH [kW]	39.5 [11.58]	38.8 [11.37]	37.8 [11.08]	38.0 [11.14]	37.3 [10.93]	36.3 [10.64]	36.3 [10.64]	35.6 [10.43]	34.6 [10.14]
		Sens BTUH [kW]	22.5 [6.59]	21.3 [6.24]	19.4 [5.69]	27.3 [8.00]	26.1 [7.65]	24.2 [7.09]	31.9 [9.35]	30.6 [8.97]	28.8 [8.44]
		Power	3.7	3.6	3.6	3.7	3.7	3.6	3.6	3.6	3.6
	100 [37.8]	Total BTUH [kW]	38.7 [11.34]	38.0 [11.14]	37.0 [10.84]	37.2 [10.90]	36.5 [10.70]	35.5 [10.40]	35.5 [10.40]	34.8 [10.20]	33.8 [9.91]
		Sens BTUH [kW]	22.0 [6.45]	20.8 [6.10]	19.0 [5.57]	26.8 [7.85]	25.6 [7.50]	23.8 [6.98]	31.4 [9.20]	30.2 [8.85]	28.4 [8.32]
		Power	3.9	3.8	3.8	3.9	3.9	3.8	3.8	3.8	3.7
	105 [40.6]	Total BTUH [kW]	37.7 [11.05]	37.0 [10.84]	36.0 [10.55]	36.2 [10.61]	35.5 [10.40]	34.5 [10.11]	34.5 [10.11]	33.8 [9.91]	32.8 [9.61]
		Sens BTUH [kW]	21.5 [6.30]	20.2 [5.92]	18.4 [5.39]	26.3 [7.71]	25.0 [7.33]	23.2 [6.80]	30.8 [9.03]	29.6 [8.67]	27.8 [8.15]
		Power	4.0	4.0	4.0	4.1	4.1	4.0	4.0	4.0	3.9
	110 [43.3]	Total BTUH [kW]	36.4 [10.67]	35.7 [10.46]	34.7 [10.17]	34.9 [10.23]	34.2 [10.02]	33.2 [9.73]	33.2 [9.73]	32.5 [9.52]	31.5 [9.23]
		Sens BTUH [kW]	20.8 [6.10]	19.6 [5.74]	17.8 [5.22]	25.6 [7.50]	24.4 [7.15]	22.6 [6.62]	30.2 [8.85]	29.0 [8.50]	27.2 [7.97]
		Power	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.1
	115 [46.1]	Total BTUH [kW]	34.7 [10.17]	34.0 [9.96]	33.0 [9.67]	33.3 [9.76]	32.6 [9.55]	31.6 [9.26]	31.5 [9.23]	30.9 [9.06]	29.8 [8.73]
		Sens BTUH [kW]	20.1 [5.89]	18.9 [5.54]	17.1 [5.01]	24.9 [7.30]	23.7 [6.95]	21.9 [6.42]	29.5 [8.65]	28.3 [8.29]	26.4 [7.74]
		Power	4.4	4.4	4.3	4.5	4.4	4.4	4.4	4.3	4.3

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

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RSKA- SERIES

GROSS SYSTEMS PERFORMANCE DATA—RSKA-A042

			ENTERING INDOOR AIR @ 80°F [26.7°C]								
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1540 [727]	1400 [661]	1190 [562]	1540 [727]	1400 [661]	1190 [562]	1540 [727]	1400 [661]	1190 [562]
DR ①			.28	.27	.25	.28	.27	.25	.28	.27	.25
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	48.6 [14.24]	47.9 [14.04]	46.7 [13.69]	46.1 [13.51]	45.4 [13.31]	44.2 [12.95]	44.3 [12.98]	43.6 [12.78]	42.4 [12.43]
		Sens BTUH [kW]	27.1 [7.94]	25.7 [7.53]	23.6 [6.92]	32.0 [9.38]	30.6 [8.97]	28.5 [8.35]	38.3 [11.22]	36.9 [10.81]	34.9 [10.23]
		Power	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0
	80 [26.7]	Total BTUH [kW]	48.0 [14.07]	47.2 [13.83]	46.1 [13.51]	45.5 [13.33]	44.7 [13.10]	43.6 [12.78]	43.7 [12.81]	42.9 [12.57]	41.8 [12.25]
		Sens BTUH [kW]	26.6 [7.80]	25.2 [7.39]	23.1 [6.77]	31.5 [9.23]	30.1 [8.82]	28.1 [8.24]	37.8 [11.08]	36.4 [10.67]	34.4 [10.08]
		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]	47.3 [13.86]	46.5 [13.63]	45.3 [13.28]	44.8 [13.13]	44.0 [12.90]	42.9 [12.57]	43.0 [12.60]	42.2 [12.37]	41.1 [12.05]
		Sens BTUH [kW]	26.3 [7.71]	24.9 [7.30]	22.9 [6.71]	31.2 [9.14]	29.9 [8.76]	27.8 [8.15]	37.6 [11.02]	36.2 [10.61]	34.1 [9.99]
		Power	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4
	90 [32.2]	Total BTUH [kW]	46.4 [13.60]	45.6 [13.36]	44.5 [13.04]	43.9 [12.87]	43.2 [12.66]	42.0 [12.31]	42.1 [12.34]	41.4 [12.13]	40.2 [11.78]
		Sens BTUH [kW]	26.2 [7.68]	24.8 [7.27]	22.7 [6.65]	31.1 [9.11]	29.7 [8.70]	27.6 [8.09]	37.4 [10.96]	36.0 [10.55]	33.9 [9.94]
		Power	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6
OUTDOOR DRY BULB TEMPERATURE °F [°C]	95 [35]	Total BTUH [kW]	45.4 [13.31]	44.7 [13.10]	43.5 [12.75]	42.9 [12.57]	42.2 [12.37]	41.0 [12.02]	41.1 [12.05]	40.4 [11.84]	39.2 [11.49]
		Sens BTUH [kW]	26.0 [7.62]	24.6 [7.21]	22.6 [6.62]	30.9 [9.06]	29.6 [8.67]	27.5 [8.06]	37.2 [10.90]	35.9 [10.52]	33.8 [9.91]
		Power	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8
	100 [37.8]	Total BTUH [kW]	44.3 [12.98]	43.5 [12.75]	42.3 [12.40]	41.8 [12.25]	41.0 [12.02]	39.9 [11.69]	40.0 [11.72]	39.2 [11.49]	38.1 [11.17]
		Sens BTUH [kW]	25.8 [7.56]	24.4 [7.15]	22.4 [6.56]	30.7 [9.00]	29.3 [8.59]	27.3 [8.00]	37.0 [10.84]	35.7 [10.46]	33.6 [9.85]
		Power	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0
	105 [40.6]	Total BTUH [kW]	42.9 [12.57]	42.1 [12.34]	41.0 [12.02]	40.4 [11.84]	39.7 [11.63]	38.5 [11.28]	38.6 [11.31]	37.9 [11.11]	36.7 [10.76]
		Sens BTUH [kW]	25.4 [7.44]	24.0 [7.03]	22.0 [6.45]	30.3 [8.88]	29.0 [8.50]	26.9 [7.88]	36.7 [10.76]	35.3 [10.35]	33.2 [9.73]
		Power	4.4	4.3	4.3	4.3	4.3	4.2	4.3	4.3	4.2
	110 [43.3]	Total BTUH [kW]	41.3 [12.10]	40.6 [11.90]	39.4 [11.55]	38.8 [11.37]	38.1 [11.17]	36.9 [10.81]	37.0 [10.84]	36.3 [10.64]	35.1 [10.29]
		Sens BTUH [kW]	24.8 [7.27]	23.4 [6.86]	21.3 [6.24]	29.7 [8.70]	28.3 [8.29]	26.3 [7.71]	36.0 [10.55]	34.6 [10.14]	32.6 [9.55]
		Power	4.6	4.5	4.5	4.5	4.5	4.4	4.5	4.5	4.4
OUTDOOR DRY BULB TEMPERATURE °F [°C]	115 [46.1]	Total BTUH [kW]	39.5 [11.58]	38.7 [11.34]	37.6 [11.02]	37.0 [10.84]	36.3 [10.64]	35.1 [10.29]	35.2 [10.32]	34.5 [10.11]	33.3 [9.76]
		Sens BTUH [kW]	23.8 [6.98]	22.4 [6.56]	20.3 [5.95]	28.7 [8.41]	27.3 [8.00]	25.3 [7.41]	35.0 [10.26]	33.6 [9.85]	31.6 [9.26]
		Power	4.8	4.7	4.7	4.7	4.7	4.6	4.7	4.6	4.6

GROSS SYSTEMS PERFORMANCE DATA—RSKA-A048

			ENTERING INDOOR AIR @ 80°F [26.7°C]								
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1650 [779]	1500 [708]	1280 [604]	1650 [779]	1500 [708]	1280 [604]	1650 [779]	1500 [708]	1280 [604]
DR ①			.22	.21	.19	.22	.21	.19	.22	.21	.19
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	57.0 [16.71]	56.1 [16.44]	54.8 [16.06]	54.5 [15.97]	53.6 [15.71]	52.3 [15.33]	51.4 [15.06]	50.5 [14.80]	49.2 [14.42]
		Sens BTUH [kW]	29.5 [8.65]	27.9 [8.18]	25.5 [7.47]	35.2 [10.32]	33.6 [9.85]	31.2 [9.14]	40.4 [11.84]	38.8 [11.37]	36.4 [10.67]
		Power	4.2	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9
	80 [26.7]	Total BTUH [kW]	55.7 [16.32]	54.8 [16.06]	53.5 [15.68]	53.2 [15.59]	52.3 [15.33]	51.0 [14.95]	50.1 [14.68]	49.2 [14.42]	47.9 [14.04]
		Sens BTUH [kW]	31.7 [9.29]	30.1 [8.82]	27.7 [8.12]	37.5 [10.99]	35.9 [10.52]	33.5 [9.82]	42.7 [12.51]	41.1 [12.05]	38.7 [11.34]
		Power	4.4	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.1
	85 [29.4]	Total BTUH [kW]	54.4 [15.94]	53.5 [15.68]	52.2 [15.30]	51.9 [15.21]	51.0 [14.95]	49.7 [14.57]	48.8 [14.30]	47.9 [14.04]	46.6 [13.66]
		Sens BTUH [kW]	32.2 [9.44]	30.6 [8.97]	28.2 [8.26]	38.0 [11.14]	36.4 [10.67]	34.0 [9.96]	43.2 [12.66]	41.6 [12.19]	39.2 [11.49]
		Power	4.5	4.5	4.4	4.5	4.4	4.4	4.4	4.4	4.3
	90 [32.2]	Total BTUH [kW]	53.2 [15.59]	52.3 [15.33]	51.0 [14.95]	50.6 [14.83]	49.7 [14.57]	48.4 [14.18]	47.5 [13.92]	46.7 [13.69]	45.3 [13.28]
		Sens BTUH [kW]	31.5 [9.23]	29.9 [8.76]	27.5 [8.06]	37.3 [10.93]	35.7 [10.46]	33.3 [9.76]	42.5 [12.46]	40.9 [11.99]	38.5 [11.28]
		Power	4.7	4.7	4.6	4.7	4.6	4.6	4.6	4.5	4.5
OUTDOOR DRY BULB TEMPERATURE °F [°C]	95 [35]	Total BTUH [kW]	51.8 [15.18]	50.9 [14.92]	49.6 [14.54]	49.3 [14.45]	48.4 [14.18]	47.1 [13.80]	46.2 [13.54]	45.3 [13.28]	44.0 [12.90]
		Sens BTUH [kW]	30.1 [8.82]	28.5 [8.35]	26.1 [7.65]	35.8 [10.49]	34.3 [10.05]	31.9 [9.35]	41.0 [12.02]	39.4 [11.55]	37.0 [10.84]
		Power	4.9	4.9	4.8	4.8	4.8	4.7	4.8	4.7	4.7
	100 [37.8]	Total BTUH [kW]	50.4 [14.77]	49.5 [14.51]	48.2 [14.13]	47.9 [14.04]	47.0 [13.77]	45.7 [13.39]	44.8 [13.13]	43.9 [12.87]	42.6 [12.48]
		Sens BTUH [kW]	28.3 [8.29]	26.7 [7.82]	24.3 [7.12]	34.1 [9.99]	32.5 [9.52]	30.1 [8.82]	39.2 [11.49]	37.6 [11.02]	35.2 [10.32]
		Power	5.1	5.1	5.0	5.0	5.0	4.9	5.0	4.9	4.9
	105 [40.6]	Total BTUH [kW]	48.8 [14.30]	48.0 [14.07]	46.6 [13.66]	46.3 [13.57]	45.4 [13.31]	44.1 [12.92]	43.2 [12.66]	42.3 [12.40]	41.0 [12.02]
		Sens BTUH [kW]	26.7 [7.82]	25.1 [7.36]	22.7 [6.65]	32.4 [9.50]	30.9 [9.06]	28.5 [8.35]	37.6 [11.02]	36.0 [10.55]	33.6 [9.85]
		Power	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.0
	110 [43.3]	Total BTUH [kW]	47.1 [13.80]	46.2 [13.54]	44.9 [13.16]	44.5 [13.04]	43.6 [12.78]	42.3 [12.40]	41.5 [12.16]	40.6 [11.90]	39.3 [11.52]
		Sens BTUH [kW]	25.7 [7.53]	24.1 [7.06]	21.7 [6.36]	31.5 [9.23]	29.9 [8.76]	27.5 [8.06]	36.6 [10.73]	35.0 [10.26]	32.6 [9.55]
		Power	5.5	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.2
OUTDOOR DRY BULB TEMPERATURE °F [°C]	115 [46.1]	Total BTUH [kW]	45.1 [13.22]	44.2 [12.95]	42.9 [12.57]	42.5 [12.46]	41.6 [12.19]	40.3 [11.81]	39.5 [11.58]	38.6 [11.31]	37.3 [10.93]
		Sens BTUH [kW]	25.8 [7.56]	24.2 [7.09]	21.8 [6.39]	31.6 [9.26]	30.0 [8.79]	27.6 [8.09]	36.7 [10.76]	35.1 [10.29]	32.7 [9.58]
		Power	5.7	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.4

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

[] Designates Metric Conversions



GROSS SYSTEMS PERFORMANCE DATA—RSKA-A060

ENTERING INDOOR AIR @ 80°F [26.7°C]											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			2200 [1038]	2000 [944]	1700 [802]	2200 [1038]	2000 [944]	1700 [802]	2200 [1038]	2000 [944]	1700 [802]
DR ①			.27	.26	.24	.27	.26	.24	.27	.26	.24
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	74.1 [21.72] 43.5 [12.75] 4.9	73.0 [21.39] 41.5 [12.16] 4.8	71.3 [20.90] 38.6 [11.31] 4.8	68.8 [20.16] 49.4 [14.48] 4.8	67.7 [19.84] 47.4 [13.89] 4.7	66.0 [19.34] 44.4 [13.01] 4.6	64.9 [19.02] 56.9 [16.68] 4.7	63.8 [18.70] 54.9 [16.09] 4.6	62.1 [18.20] 52.0 [15.24] 4.6
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	70.4 [20.63] 50.7 [14.86] 5.1	69.3 [20.31] 48.8 [14.30] 5.1	67.6 [19.81] 45.8 [13.42] 5.0	65.1 [19.08] 56.6 [16.59] 5.0	64.0 [18.76] 54.6 [16.00] 4.9	62.3 [18.26] 51.6 [15.12] 4.9	61.2 [17.94] 61.2 [17.94] 4.9	60.1 [17.61] 60.1 [17.61] 4.9	58.5 [17.14] 58.5 [17.14] 4.8
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	68.4 [20.05] 50.7 [14.86] 5.4	67.2 [19.69] 48.7 [14.27] 5.3	65.6 [19.23] 45.7 [13.39] 5.3	63.1 [18.49] 56.6 [16.59] 5.2	62.0 [18.17] 54.6 [16.00] 5.2	60.3 [17.67] 51.6 [15.12] 5.1	59.2 [17.35] 59.2 [17.35] 5.2	58.1 [17.03] 58.1 [17.03] 5.1	56.4 [16.53] 56.4 [16.53] 5.0
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	67.4 [19.75] 45.9 [13.45] 5.6	66.3 [19.43] 43.9 [12.87] 5.6	64.7 [18.96] 41.0 [12.02] 5.5	62.1 [18.20] 51.8 [15.18] 5.5	61.0 [17.88] 49.8 [14.59] 5.4	59.4 [17.41] 46.8 [13.72] 5.4	58.2 [17.06] 58.2 [17.06] 5.4	57.1 [16.73] 57.1 [16.73] 5.3	55.5 [16.27] 55.5 [16.27] 5.3
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	67.0 [19.64] 38.8 [11.37] 5.9	65.9 [19.31] 36.8 [10.79] 5.8	64.3 [18.84] 33.8 [9.91] 5.7	61.8 [18.11] 44.6 [13.07] 5.7	60.6 [17.76] 42.6 [12.48] 5.7	59.0 [17.29] 39.7 [11.63] 5.6	57.9 [16.97] 57.9 [16.97] 5.6	56.8 [16.65] 56.8 [16.65] 5.6	55.1 [16.15] 55.1 [16.15] 5.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	66.7 [19.55] 31.8 [9.32] 6.1	65.6 [19.23] 29.8 [8.73] 6.0	63.9 [18.73] 26.8 [7.85] 6.0	61.4 [17.99] 37.6 [11.02] 6.0	60.3 [17.67] 35.6 [10.43] 5.9	58.6 [17.17] 32.7 [9.58] 5.8	57.5 [16.85] 57.5 [16.85] 5.9	56.4 [16.53] 56.4 [16.53] 5.8	54.8 [16.06] 54.8 [16.06] 5.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	65.8 [19.28] 27.3 [8.00] 6.3	64.7 [18.96] 25.4 [7.44] 6.3	63.1 [18.49] 22.4 [6.56] 6.2	60.5 [17.73] 33.2 [9.73] 6.2	59.4 [17.41] 31.2 [9.14] 6.1	57.8 [16.94] 28.2 [8.26] 6.1	56.6 [16.59] 56.6 [16.59] 6.1	55.5 [16.27] 55.5 [16.27] 6.1	53.9 [15.80] 53.9 [15.80] 6.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	63.9 [18.73] 27.9 [8.18] 6.6	62.8 [18.40] 25.9 [7.59] 6.5	61.1 [17.91] 22.9 [6.71] 6.5	58.6 [17.17] 33.8 [9.91] 6.4	57.5 [16.85] 31.8 [9.32] 6.4	55.8 [16.35] 28.8 [8.44] 6.3	54.7 [16.03] 54.7 [16.03] 6.4	53.6 [15.71] 53.6 [15.71] 6.3	51.9 [15.21] 51.9 [15.21] 6.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	60.3 [17.67] 36.0 [10.55] 6.8	59.2 [17.35] 34.0 [9.96] 6.8	57.6 [16.88] 31.0 [9.09] 6.7	55.0 [16.12] 41.8 [12.25] 6.7	53.9 [15.80] 39.8 [11.66] 6.6	52.3 [15.33] 36.8 [10.79] 6.6	51.1 [14.98] 51.1 [14.98] 6.6	50.0 [14.65] 50.0 [14.65] 6.5	48.4 [14.18] 48.4 [14.18] 6.5

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)].

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RSMA- SERIES

GROSS SYSTEMS PERFORMANCE DATA—RSMA-A018

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]			660 [311]	600 [283]	510 [241]	660 [311]	600 [283]	510 [241]	660 [311]	600 [283]	510 [241]
DR ①			.23	.22	.19	.23	.22	.19	.23	.22	.19
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	23.1 [6.77]	22.7 [6.65]	22.2 [6.51]	21.5 [6.30]	21.2 [6.21]	20.7 [6.07]	20.2 [5.92]	19.9 [5.83]	19.4 [5.69]
		Sens BTUH [kW]	13.5 [3.96]	12.8 [3.75]	11.9 [3.49]	15.5 [4.54]	14.9 [4.37]	14.0 [4.10]	18.1 [5.30]	17.5 [5.13]	16.5 [4.84]
		Power	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2
	80 [26.7]	Total BTUH [kW]	22.5 [6.59]	22.2 [6.51]	21.7 [6.36]	21.0 [6.15]	20.6 [6.04]	20.1 [5.89]	19.7 [5.77]	19.4 [5.69]	18.9 [5.54]
		Sens BTUH [kW]	13.0 [3.81]	12.4 [3.63]	11.5 [3.37]	15.1 [4.43]	14.5 [4.25]	13.5 [3.96]	17.7 [5.19]	17.0 [4.98]	16.1 [4.72]
		Power	1.4	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3
	85 [29.4]	Total BTUH [kW]	21.9 [6.42]	21.6 [6.33]	21.1 [6.18]	20.4 [5.98]	20.0 [5.86]	19.5 [5.71]	19.1 [5.60]	18.8 [5.51]	18.3 [5.36]
		Sens BTUH [kW]	12.6 [3.69]	12.0 [3.52]	11.1 [3.25]	14.7 [4.31]	14.1 [4.13]	13.1 [3.84]	17.3 [5.07]	16.6 [4.86]	15.7 [4.60]
		Power	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
90 [32.2]	Total BTUH [kW]	21.3 [6.24]	20.9 [6.13]	20.4 [5.98]	19.7 [5.77]	19.4 [5.69]	18.9 [5.54]	18.4 [5.39]	18.1 [5.30]	17.6 [5.16]	
	Sens BTUH [kW]	12.3 [3.60]	11.7 [3.43]	10.7 [3.14]	14.3 [4.19]	13.7 [4.02]	12.8 [3.75]	16.9 [4.95]	16.3 [4.78]	15.4 [4.51]	
	Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
95 [35]	Total BTUH [kW]	20.6 [6.04]	20.2 [5.92]	19.7 [5.77]	19.0 [5.57]	18.7 [5.48]	18.2 [5.33]	17.7 [5.19]	17.4 [5.10]	16.9 [4.95]	
	Sens BTUH [kW]	12.0 [3.52]	11.3 [3.31]	10.4 [3.05]	14.0 [4.10]	13.4 [3.92]	12.4 [3.63]	16.6 [4.86]	16.0 [4.69]	15.0 [4.40]	
	Power	1.6	1.6	1.5	1.6	1.6	1.5	1.6	1.5	1.5	
100 [37.8]	Total BTUH [kW]	19.9 [5.83]	19.5 [5.71]	19.0 [5.57]	18.3 [5.36]	18.0 [5.28]	17.4 [5.10]	17.0 [4.98]	16.7 [4.89]	16.2 [4.75]	
	Sens BTUH [kW]	11.6 [3.40]	11.0 [3.22]	10.1 [2.96]	13.7 [4.02]	13.1 [3.84]	12.1 [3.55]	16.3 [4.78]	15.7 [4.60]	14.7 [4.31]	
	Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
105 [40.6]	Total BTUH [kW]	19.2 [5.63]	18.8 [5.51]	18.3 [5.36]	17.6 [5.16]	17.3 [5.07]	16.8 [4.92]	16.3 [4.78]	16.0 [4.69]	15.5 [4.54]	
	Sens BTUH [kW]	11.3 [3.31]	10.7 [3.14]	9.8 [2.87]	13.4 [3.93]	12.8 [3.75]	11.8 [3.46]	16.0 [4.69]	15.4 [4.51]	14.4 [4.22]	
	Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
110 [43.3]	Total BTUH [kW]	18.5 [5.42]	18.2 [5.33]	17.7 [5.19]	17.0 [4.98]	16.6 [4.86]	16.1 [4.72]	15.7 [4.60]	15.4 [4.51]	14.9 [4.37]	
	Sens BTUH [kW]	11.1 [3.25]	10.4 [3.05]	9.5 [2.78]	13.1 [3.84]	12.5 [3.66]	11.5 [3.37]	15.7 [4.60]	15.1 [4.43]	14.1 [4.13]	
	Power	1.8	1.8	1.7	1.8	1.8	1.7	1.8	1.8	1.7	
115 [46.1]	Total BTUH [kW]	18.0 [5.28]	17.6 [5.16]	17.1 [5.01]	16.4 [4.81]	16.0 [4.69]	15.5 [4.54]	15.1 [4.43]	14.8 [4.34]	14.3 [4.19]	
	Sens BTUH [kW]	10.7 [3.14]	10.1 [2.96]	9.2 [2.70]	12.8 [3.75]	12.2 [3.58]	11.2 [3.28]	15.1 [4.43]	14.8 [4.34]	13.8 [4.04]	
	Power	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	

GROSS SYSTEMS PERFORMANCE DATA—RSMA-A024

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			880 [415]	800 [378]	680 [321]	880 [415]	800 [378]	680 [321]	880 [415]	800 [378]	680 [321]
DR ①			.22	.20	.18	.22	.20	.18	.22	.20	.18
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	30.5 [8.94]	30.1 [8.82]	29.4 [8.62]	28.6 [8.38]	28.2 [8.26]	27.5 [8.06]	26.0 [7.62]	26.8 [7.85]	25.7 [7.53]
		Sens BTUH [kW]	17.9 [5.25]	17.0 [4.98]	15.8 [4.63]	20.6 [6.04]	19.8 [5.80]	18.5 [5.42]	23.4 [6.86]	22.6 [6.62]	21.3 [6.24]
		Power	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
	80 [26.7]	Total BTUH [kW]	29.6 [8.67]	29.2 [8.56]	28.5 [8.35]	27.7 [8.12]	27.2 [7.97]	26.6 [7.80]	25.9 [7.59]	25.4 [7.44]	24.8 [7.27]
		Sens BTUH [kW]	17.5 [5.13]	16.6 [4.86]	15.4 [4.51]	20.2 [5.92]	19.4 [5.69]	18.1 [5.30]	23.0 [6.74]	22.2 [6.51]	20.9 [6.13]
		Power	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7
	85 [29.4]	Total BTUH [kW]	28.8 [8.44]	28.3 [8.29]	27.7 [8.12]	26.9 [7.88]	26.4 [7.74]	25.7 [7.53]	25.1 [7.36]	24.6 [7.21]	23.9 [7.00]
		Sens BTUH [kW]	17.0 [4.98]	16.2 [4.75]	14.9 [4.37]	19.8 [5.80]	18.9 [5.54]	17.7 [5.19]	22.6 [6.62]	21.7 [6.36]	20.5 [6.01]
		Power	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8
	90 [32.2]	Total BTUH [kW]	28.0 [8.21]	27.6 [8.09]	26.9 [7.88]	26.1 [7.65]	25.6 [7.50]	25.0 [7.33]	24.3 [7.12]	23.8 [6.98]	23.1 [6.77]
Sens BTUH [kW]		16.5 [4.84]	15.7 [4.60]	14.4 [4.22]	19.3 [5.66]	18.5 [5.42]	17.2 [5.04]	22.1 [6.48]	21.3 [6.24]	20.0 [5.86]	
Power		2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	
95 [35]	Total BTUH [kW]	27.2 [7.97]	26.8 [7.85]	26.1 [7.65]	25.3 [7.41]	24.9 [7.30]	24.2 [7.09]	23.5 [6.89]	23.1 [6.77]	22.4 [6.56]	
	Sens BTUH [kW]	16.0 [4.69]	15.2 [4.45]	13.9 [4.07]	18.8 [5.51]	18.0 [5.28]	16.7 [4.89]	21.6 [6.33]	20.8 [6.10]	19.5 [5.71]	
	Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	
100 [37.8]	Total BTUH [kW]	26.4 [7.74]	26.0 [7.62]	25.3 [7.41]	24.5 [7.18]	24.1 [7.06]	23.4 [6.86]	22.7 [6.65]	22.3 [6.54]	21.6 [6.33]	
	Sens BTUH [kW]	15.5 [4.54]	14.7 [4.31]	13.4 [3.93]	18.3 [5.36]	17.5 [5.13]	16.2 [4.75]	21.1 [6.18]	20.3 [5.95]	19.0 [5.57]	
	Power	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	
105 [40.6]	Total BTUH [kW]	25.6 [7.50]	25.2 [7.39]	24.5 [7.18]	23.7 [6.95]	23.2 [6.80]	22.6 [6.62]	21.9 [6.42]	21.4 [6.27]	20.8 [6.10]	
	Sens BTUH [kW]	15.1 [4.43]	14.2 [4.16]	13.0 [3.81]	17.8 [5.22]	17.0 [4.98]	15.7 [4.60]	20.6 [6.04]	19.8 [5.80]	18.5 [5.42]	
	Power	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	
110 [43.3]	Total BTUH [kW]	24.7 [7.24]	24.3 [7.12]	23.6 [6.92]	22.8 [6.68]	22.3 [6.54]	21.7 [6.36]	21.0 [6.15]	20.5 [6.01]	19.8 [5.80]	
	Sens BTUH [kW]	14.6 [4.28]	13.8 [4.04]	12.5 [3.66]	17.4 [5.10]	16.5 [4.84]	15.3 [4.48]	20.2 [5.92]	19.3 [5.66]	18.1 [5.30]	
	Power	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	
115 [46.1]	Total BTUH [kW]	23.7 [6.95]	23.2 [6.80]	22.6 [6.62]	21.8 [6.39]	21.3 [6.24]	20.6 [6.04]	20.0 [5.86]	19.5 [5.71]	18.8 [5.51]	
	Sens BTUH [kW]	14.2 [4.16]	13.4 [3.93]	12.1 [3.55]	17.0 [4.98]	16.1 [4.72]	14.9 [4.37]	19.7 [5.77]	18.9 [5.54]	17.7 [5.19]	
	Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	

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 x CFM x (1 – DR) x (dbE – 80)].

[] Designates Metric Conversions



GROSS SYSTEMS PERFORMANCE DATA—RSMA-A030

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]
DR ①			.25	.24	.21	.25	.24	.21	.25	.24	.21
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	37.7 [11.05]	37.2 [10.90]	36.4 [10.67]	34.7 [10.17]	34.2 [10.02]	33.4 [9.79]	33.0 [9.67]	32.5 [9.52]	31.7 [9.29]
		Sens BTUH [kW]	20.5 [6.01]	19.5 [5.71]	18.0 [5.28]	24.2 [7.09]	23.2 [6.80]	21.7 [6.36]	27.1 [7.94]	26.1 [7.65]	24.5 [7.18]
		Power	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	80 [26.7]	Total BTUH [kW]	36.8 [10.79]	36.3 [10.64]	35.4 [10.37]	33.8 [9.91]	33.3 [9.76]	32.4 [9.50]	32.1 [9.41]	31.5 [9.23]	30.7 [9.00]
		Sens BTUH [kW]	19.8 [5.80]	18.8 [5.51]	17.3 [5.07]	23.6 [6.92]	22.6 [6.62]	21.1 [6.18]	26.4 [7.74]	25.4 [7.44]	23.9 [7.00]
		Power	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	85 [29.4]	Total BTUH [kW]	35.7 [10.46]	35.2 [10.32]	34.4 [10.08]	32.7 [9.58]	32.2 [9.44]	31.3 [9.17]	31.0 [9.09]	30.5 [8.94]	29.6 [8.67]
		Sens BTUH [kW]	19.4 [5.69]	18.4 [5.39]	16.9 [4.95]	23.1 [6.77]	22.1 [6.48]	20.6 [6.04]	25.9 [7.59]	24.9 [7.30]	23.4 [6.86]
		Power	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.2	2.2
	90 [32.2]	Total BTUH [kW]	34.5 [10.11]	34.0 [9.96]	33.2 [9.73]	31.5 [9.23]	31.0 [9.09]	30.2 [8.85]	29.8 [8.73]	29.3 [8.59]	28.4 [8.32]
		Sens BTUH [kW]	19.0 [5.57]	18.0 [5.28]	16.5 [4.84]	22.8 [6.68]	21.8 [6.39]	20.3 [5.95]	25.6 [7.50]	24.6 [7.21]	23.1 [6.77]
		Power	2.4	2.4	2.3	2.4	2.3	2.3	2.4	2.3	2.3
	95 [35]	Total BTUH [kW]	33.3 [9.76]	32.8 [9.61]	32.0 [9.38]	30.3 [8.88]	29.8 [8.73]	28.9 [8.47]	28.6 [8.38]	28.1 [8.24]	27.2 [7.97]
		Sens BTUH [kW]	18.7 [5.48]	17.7 [5.19]	16.2 [4.75]	22.5 [6.59]	21.5 [6.30]	20.0 [5.86]	25.3 [7.41]	24.3 [7.12]	22.8 [6.68]
		Power	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.4
	100 [37.8]	Total BTUH [kW]	32.2 [9.44]	31.6 [9.26]	30.8 [9.03]	29.1 [8.53]	28.6 [8.38]	27.8 [8.15]	27.4 [8.03]	26.9 [7.88]	26.1 [7.65]
		Sens BTUH [kW]	18.3 [5.36]	17.3 [5.07]	15.8 [4.63]	22.1 [6.48]	21.1 [6.18]	19.6 [5.74]	24.9 [7.30]	23.9 [7.00]	22.4 [6.56]
		Power	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.5
	105 [40.6]	Total BTUH [kW]	31.1 [9.11]	30.6 [8.97]	29.8 [8.73]	28.1 [8.24]	27.6 [8.09]	26.8 [7.85]	26.4 [7.74]	25.9 [7.59]	25.1 [7.36]
		Sens BTUH [kW]	17.8 [5.22]	16.8 [4.92]	15.3 [4.48]	21.5 [6.30]	20.5 [6.01]	19.0 [5.57]	24.3 [7.12]	23.3 [6.83]	21.8 [6.39]
		Power	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	110 [43.3]	Total BTUH [kW]	30.3 [8.88]	29.8 [8.73]	29.0 [8.50]	27.3 [8.00]	26.8 [7.85]	26.0 [7.62]	25.6 [7.50]	25.1 [7.36]	24.2 [7.09]
		Sens BTUH [kW]	17.0 [4.98]	16.0 [4.69]	14.5 [4.25]	20.7 [6.07]	19.7 [5.77]	18.2 [5.33]	23.5 [6.89]	22.5 [6.59]	21.0 [6.15]
		Power	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	115 [46.1]	Total BTUH [kW]	29.8 [8.73]	29.2 [8.56]	28.4 [8.32]	26.8 [7.85]	26.2 [7.68]	25.4 [7.44]	25.1 [7.36]	24.5 [7.18]	23.7 [6.95]
		Sens BTUH [kW]	15.8 [4.63]	14.8 [4.34]	13.3 [3.90]	19.5 [5.71]	18.5 [5.42]	17.0 [4.98]	22.4 [6.56]	21.4 [6.27]	19.9 [5.83]
		Power	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9

GROSS SYSTEMS PERFORMANCE DATA—RSMA-A036

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]			1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]
DR ①			.30	.29	.27	.30	.29	.27	.30	.29	.27
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	40.0 [11.72]	39.3 [11.52]	38.3 [11.22]	39.9 [11.69]	39.2 [11.49]	38.2 [11.20]	36.9 [10.81]	36.3 [10.64]	35.3 [10.35]
		Sens BTUH [kW]	22.7 [6.65]	21.5 [6.30]	19.7 [5.77]	28.1 [8.24]	26.9 [7.88]	25.1 [7.36]	30.9 [9.06]	29.7 [8.70]	28.0 [8.21]
		Power	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.3	2.3
	80 [26.7]	Total BTUH [kW]	40.6 [11.90]	39.9 [11.69]	38.9 [11.40]	40.5 [11.87]	39.8 [11.66]	38.8 [11.37]	37.5 [10.99]	36.9 [10.81]	35.9 [10.52]
		Sens BTUH [kW]	22.7 [6.65]	21.5 [6.30]	19.7 [5.77]	28.1 [8.24]	27.0 [7.91]	25.2 [7.39]	31.0 [9.09]	29.8 [8.73]	28.0 [8.21]
		Power	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4
	85 [29.4]	Total BTUH [kW]	40.3 [11.81]	39.6 [11.61]	38.6 [11.31]	40.2 [11.78]	39.5 [11.58]	38.5 [11.28]	37.3 [10.93]	36.6 [10.73]	35.6 [10.43]
		Sens BTUH [kW]	22.4 [6.56]	21.3 [6.24]	19.5 [5.71]	27.9 [8.18]	26.7 [7.82]	24.9 [7.30]	30.7 [9.00]	29.5 [8.65]	27.7 [8.12]
		Power	2.7	2.7	2.7	2.7	2.7	2.6	2.7	2.6	2.6
	90 [32.2]	Total BTUH [kW]	39.4 [11.55]	38.7 [11.34]	37.7 [11.05]	39.3 [11.52]	38.6 [11.31]	37.6 [11.02]	36.4 [10.67]	35.7 [10.46]	34.7 [10.17]
		Sens BTUH [kW]	21.9 [6.42]	20.8 [6.10]	19.0 [5.57]	27.4 [8.03]	26.2 [7.68]	24.4 [7.15]	30.2 [8.85]	29.0 [8.50]	27.2 [7.97]
		Power	2.9	2.9	2.8	2.9	2.8	2.8	2.8	2.8	2.8
	95 [35]	Total BTUH [kW]	38.0 [11.14]	37.3 [10.93]	36.3 [10.64]	37.9 [11.11]	37.2 [10.90]	36.2 [10.61]	35.0 [10.26]	34.3 [10.05]	33.3 [9.76]
		Sens BTUH [kW]	21.3 [6.24]	20.1 [5.89]	18.3 [5.36]	26.7 [7.82]	25.5 [7.47]	23.7 [6.95]	29.5 [8.65]	28.3 [8.29]	26.6 [7.80]
		Power	3.0	3.0	3.0	3.0	3.0	2.9	3.0	2.9	2.9
	100 [37.8]	Total BTUH [kW]	36.4 [10.67]	35.7 [10.46]	34.7 [10.17]	36.2 [10.61]	35.6 [10.43]	34.6 [10.14]	33.3 [9.76]	32.7 [9.58]	31.6 [9.26]
		Sens BTUH [kW]	20.5 [6.01]	19.3 [5.66]	17.5 [5.13]	25.9 [7.59]	24.7 [7.24]	23.0 [6.74]	28.8 [8.44]	27.6 [8.09]	25.8 [7.56]
		Power	3.2	3.2	3.1	3.2	3.1	3.1	3.1	3.1	3.1
	105 [40.6]	Total BTUH [kW]	34.7 [10.17]	34.0 [9.96]	33.0 [9.67]	34.5 [10.11]	33.9 [9.94]	32.9 [9.64]	31.6 [9.26]	31.0 [9.09]	29.9 [8.76]
		Sens BTUH [kW]	19.7 [5.77]	18.5 [5.42]	16.7 [4.89]	25.1 [7.36]	23.9 [7.00]	22.1 [6.48]	27.9 [8.18]	26.7 [7.82]	25.0 [7.33]
		Power	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2
	110 [43.3]	Total BTUH [kW]	33.1 [9.70]	32.4 [9.50]	31.4 [9.20]	33.0 [9.67]	32.3 [9.47]	31.3 [9.17]	30.1 [8.82]	29.4 [8.62]	28.4 [8.32]
		Sens BTUH [kW]	18.9 [5.54]	17.7 [5.19]	15.9 [4.66]	24.3 [7.12]	23.1 [6.77]	21.3 [6.24]	27.1 [7.94]	25.9 [7.59]	24.1 [7.06]
		Power	3.5	3.5	3.4	3.5	3.4	3.4	3.4	3.4	3.4
	115 [46.1]	Total BTUH [kW]	31.9 [9.35]	31.2 [9.14]	30.2 [8.85]	31.8 [9.32]	31.1 [9.11]	30.1 [8.82]	28.8 [8.44]	28.2 [8.26]	27.2 [7.97]
		Sens BTUH [kW]	18.1 [5.30]	17.0 [4.98]	15.2 [4.45]	23.6 [6.92]	22.4 [6.56]	20.6 [6.04]	26.4 [7.74]	25.2 [7.39]	23.4 [6.86]
		Power	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5

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

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

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

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RSMA- SERIES

GROSS SYSTEMS PERFORMANCE DATA—RSMA-A042

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]	1190 [562]	1540 [727]	1400 [661]	1190 [562]	1540 [727]	1400 [661]	1190 [562]
DR ①			.25	.24	.22	.25	.24	.22	.25	.24	.22
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	48.2 [14.13]	47.5 [13.92]	46.3 [13.57]	45.0 [13.19]	44.2 [12.95]	43.1 [12.63]	42.3 [12.40]	41.6 [12.19]	40.4 [11.84]
		Sens BTUH [kW]	27.4 [8.03]	26.0 [7.62]	23.9 [7.00]	32.1 [9.41]	30.7 [9.00]	28.6 [8.38]	37.0 [10.84]	35.6 [10.43]	33.5 [9.82]
		Power	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6
	80 [26.7]	Total BTUH [kW]	49.2 [14.42]	48.5 [14.21]	47.3 [13.86]	46.0 [13.48]	45.2 [13.25]	44.1 [12.92]	43.4 [12.72]	42.6 [12.48]	41.5 [12.16]
		Sens BTUH [kW]	28.5 [8.35]	27.1 [7.94]	25.0 [7.33]	33.2 [9.73]	31.8 [9.32]	29.7 [8.70]	38.2 [11.20]	36.8 [10.79]	34.7 [10.17]
		Power	2.9	2.9	2.8	2.9	2.8	2.8	2.8	2.8	2.8
	85 [29.4]	Total BTUH [kW]	48.9 [14.33]	48.1 [14.10]	47.0 [13.77]	45.7 [13.39]	44.9 [13.16]	43.8 [12.84]	43.0 [12.60]	42.3 [12.40]	41.1 [12.05]
		Sens BTUH [kW]	28.6 [8.38]	27.2 [7.97]	25.1 [7.36]	33.3 [9.76]	31.9 [9.35]	29.8 [8.73]	38.2 [11.20]	36.8 [10.79]	34.0 [9.96]
		Power	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	2.9
	90 [32.2]	Total BTUH [kW]	47.6 [13.95]	46.8 [13.72]	45.7 [13.39]	44.3 [12.98]	43.6 [12.78]	42.5 [12.46]	41.7 [12.22]	40.9 [11.99]	39.8 [11.66]
		Sens BTUH [kW]	27.9 [8.18]	26.5 [7.77]	24.4 [7.15]	32.6 [9.55]	31.2 [9.14]	29.1 [8.53]	37.5 [10.99]	36.1 [10.58]	34.7 [10.17]
		Power	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1
95 [35]	Total BTUH [kW]	45.7 [13.39]	44.9 [13.16]	43.8 [12.84]	42.5 [12.46]	41.7 [12.22]	40.6 [11.90]	39.8 [11.66]	39.1 [11.46]	37.9 [11.11]	
	Sens BTUH [kW]	26.7 [7.82]	25.3 [7.41]	23.2 [6.80]	31.4 [9.20]	30.0 [8.79]	27.9 [8.18]	36.3 [10.64]	34.9 [10.23]	32.8 [9.61]	
	Power	3.4	3.4	3.4	3.4	3.4	3.3	3.4	3.3	3.3	
100 [37.8]	Total BTUH [kW]	43.6 [12.78]	42.9 [12.57]	41.7 [12.22]	40.4 [11.84]	39.6 [11.61]	38.5 [11.28]	37.7 [11.05]	37.0 [10.84]	35.8 [10.49]	
	Sens BTUH [kW]	25.4 [7.44]	24.0 [7.03]	21.9 [6.42]	30.1 [8.82]	28.7 [8.41]	26.6 [7.80]	35.0 [10.26]	33.6 [9.85]	31.5 [9.23]	
	Power	3.6	3.6	3.5	3.6	3.6	3.5	3.5	3.5	3.5	
105 [40.6]	Total BTUH [kW]	41.7 [12.22]	41.0 [12.02]	39.9 [11.69]	38.5 [11.28]	37.8 [11.08]	36.6 [10.73]	35.9 [10.52]	35.1 [10.29]	34.0 [9.96]	
	Sens BTUH [kW]	24.2 [7.09]	22.8 [6.68]	20.7 [6.07]	28.9 [8.47]	27.5 [8.06]	25.4 [7.44]	33.8 [9.91]	32.4 [9.50]	30.3 [8.88]	
	Power	3.8	3.8	3.7	3.8	3.7	3.7	3.7	3.7	3.6	
110 [43.3]	Total BTUH [kW]	40.5 [11.87]	39.7 [11.63]	38.6 [11.31]	37.3 [10.93]	36.5 [10.70]	35.4 [10.37]	34.6 [10.14]	33.9 [9.94]	32.7 [9.58]	
	Sens BTUH [kW]	23.5 [6.89]	22.1 [6.48]	20.0 [5.86]	28.2 [8.26]	26.8 [7.85]	24.7 [7.24]	33.2 [9.73]	31.8 [9.32]	29.7 [8.70]	
	Power	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	
115 [46.1]	Total BTUH [kW]	40.2 [11.78]	39.5 [11.58]	38.3 [11.22]	37.0 [10.84]	36.2 [10.61]	35.1 [10.29]	34.3 [10.05]	33.6 [9.85]	32.5 [9.52]	
	Sens BTUH [kW]	23.6 [6.92]	22.2 [6.51]	20.1 [5.89]	28.4 [8.32]	27.0 [7.91]	24.9 [7.30]	33.3 [9.76]	31.9 [9.35]	29.8 [8.73]	
	Power	4.1	4.1	4.1	4.1	4.1	4.0	4.1	4.0	4.0	

GROSS SYSTEMS PERFORMANCE DATA—RSMA-A048

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]			1650 [779]	1500 [708]	1280 [604]	1650 [779]	1500 [708]	1280 [604]	1650 [779]	1500 [708]	1280 [604]
DR ①			.22	.21	.19	.22	.21	.19	.22	.21	.19
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	57.6 [16.88]	56.8 [16.65]	55.5 [16.27]	53.8 [15.77]	52.9 [15.50]	51.6 [15.12]	51.0 [14.95]	50.2 [14.71]	48.9 [14.33]
		Sens BTUH [kW]	34.1 [9.99]	32.5 [9.52]	30.1 [8.82]	39.1 [11.46]	37.5 [10.99]	35.1 [10.29]	44.7 [13.10]	43.1 [12.63]	40.7 [11.93]
		Power	3.3	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.1
	80 [26.7]	Total BTUH [kW]	56.8 [16.65]	56.0 [16.41]	54.7 [16.03]	53.0 [15.53]	52.1 [15.27]	50.8 [14.89]	50.2 [14.71]	49.3 [14.45]	48.0 [14.07]
		Sens BTUH [kW]	33.6 [9.85]	32.0 [9.38]	29.6 [8.67]	38.5 [11.28]	36.9 [10.81]	34.6 [10.14]	44.1 [12.92]	42.5 [12.46]	40.1 [11.75]
		Power	3.5	3.4	3.4	3.4	3.4	3.3	3.4	3.3	3.3
	85 [29.4]	Total BTUH [kW]	55.6 [16.29]	54.7 [16.03]	53.4 [15.65]	51.8 [15.18]	50.9 [14.92]	49.6 [14.54]	49.0 [14.36]	48.1 [14.10]	46.8 [13.72]
		Sens BTUH [kW]	32.8 [9.61]	31.2 [9.14]	28.8 [8.44]	37.7 [11.05]	36.1 [10.58]	33.8 [9.91]	43.3 [12.69]	41.7 [12.22]	39.3 [11.52]
		Power	3.6	3.6	3.6	3.6	3.6	3.5	3.6	3.5	3.5
	90 [32.2]	Total BTUH [kW]	54.1 [15.86]	53.3 [15.62]	52.0 [15.24]	50.3 [14.74]	49.4 [14.48]	48.1 [14.10]	47.5 [13.92]	46.6 [13.66]	45.3 [13.28]
		Sens BTUH [kW]	31.8 [9.32]	30.2 [8.85]	27.8 [8.15]	36.8 [10.79]	35.2 [10.32]	32.8 [9.61]	42.4 [12.43]	40.8 [11.96]	38.4 [11.25]
		Power	3.8	3.8	3.7	3.8	3.7	3.7	3.8	3.7	3.7
95 [35]	Total BTUH [kW]	52.5 [15.39]	51.7 [15.15]	50.3 [14.74]	48.7 [14.27]	47.8 [14.01]	46.5 [13.63]	45.9 [13.45]	45.0 [13.19]	43.7 [12.81]	
	Sens BTUH [kW]	30.7 [9.00]	29.2 [8.56]	26.8 [7.85]	35.7 [10.46]	34.1 [9.99]	31.7 [9.29]	41.3 [12.10]	39.7 [11.63]	37.3 [10.93]	
	Power	4.0	4.0	3.9	4.0	3.9	3.9	4.0	3.9	3.9	
100 [37.8]	Total BTUH [kW]	50.9 [14.92]	50.0 [14.65]	48.7 [14.27]	47.1 [13.80]	46.2 [13.54]	44.9 [13.16]	44.3 [12.98]	43.4 [12.72]	42.1 [12.34]	
	Sens BTUH [kW]	29.7 [8.70]	28.1 [8.24]	25.7 [7.53]	34.7 [10.17]	33.1 [9.70]	30.7 [9.00]	40.3 [11.81]	38.7 [11.34]	36.3 [10.64]	
	Power	4.2	4.2	4.1	4.2	4.1	4.1	4.1	4.1	4.1	
105 [40.6]	Total BTUH [kW]	49.4 [14.48]	48.6 [14.24]	47.3 [13.86]	45.6 [13.36]	44.7 [13.10]	43.4 [12.72]	42.8 [12.54]	41.9 [12.28]	40.6 [11.90]	
	Sens BTUH [kW]	28.8 [8.44]	27.2 [7.97]	24.8 [7.27]	33.8 [9.91]	32.2 [9.44]	29.8 [8.73]	39.4 [11.55]	37.8 [11.08]	35.4 [10.37]	
	Power	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.2	
110 [43.3]	Total BTUH [kW]	48.2 [14.13]	47.4 [13.89]	46.1 [13.51]	44.4 [13.01]	43.5 [12.75]	42.2 [12.37]	41.6 [12.19]	40.7 [11.93]	39.4 [11.55]	
	Sens BTUH [kW]	28.1 [8.24]	26.5 [7.77]	24.2 [7.09]	33.1 [9.70]	31.5 [9.23]	29.1 [8.53]	38.7 [11.34]	37.1 [10.87]	34.7 [10.17]	
	Power	4.6	4.6	4.5	4.5	4.5	4.4	4.5	4.5	4.4	
115 [46.1]	Total BTUH [kW]	47.4 [13.89]	46.5 [13.63]	45.2 [13.25]	43.6 [12.78]	42.7 [12.51]	41.4 [12.13]	40.8 [11.96]	39.9 [11.69]	38.6 [11.31]	
	Sens BTUH [kW]	27.7 [8.12]	26.1 [7.65]	23.8 [6.98]	32.7 [9.58]	31.1 [9.11]	28.7 [8.41]	38.3 [11.22]	36.7 [10.76]	34.3 [10.05]	
	Power	4.8	4.7	4.7	4.7	4.7	4.6	4.7	4.7	4.6	

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

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

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.0 x CFM x (1 - DR) x (dbE - 80)].

[] Designates Metric Conversions



GROSS SYSTEMS PERFORMANCE DATA—RSNA-A024

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			880 [415]	800 [378]	680 [321]	880 [415]	800 [378]	680 [321]	880 [415]	800 [378]	680 [321]
DR ①			.24	.23	.21	.24	.23	.21	.24	.23	.21
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	28.0 [8.21]	27.5 [8.06]	26.7 [7.82]	26.5 [7.77]	26.0 [7.62]	25.3 [7.41]	24.1 [7.06]	23.7 [6.95]	23.0 [6.74]
		Sens BTUH [kW]	15.6 [4.57]	14.9 [4.37]	13.9 [4.07]	19.0 [5.57]	18.1 [5.30]	16.8 [4.92]	21.0 [6.15]	20.1 [5.89]	18.7 [5.48]
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5
	80 [26.7]	Total BTUH [kW]	28.0 [8.21]	27.5 [8.06]	26.8 [7.85]	26.6 [7.80]	26.1 [7.65]	25.4 [7.44]	24.1 [7.06]	23.7 [6.95]	23.1 [6.77]
		Sens BTUH [kW]	15.8 [4.63]	15.1 [4.43]	14.0 [4.10]	19.1 [5.60]	18.3 [5.36]	17.0 [4.98]	21.2 [6.21]	20.2 [5.92]	18.8 [5.51]
		Power	1.7	1.7	1.6	1.7	1.7	1.6	1.7	1.6	1.6
	85 [29.4]	Total BTUH [kW]	27.7 [8.12]	27.2 [7.97]	26.4 [7.74]	26.2 [7.68]	25.8 [7.56]	25.1 [7.36]	23.8 [6.98]	23.4 [6.86]	22.7 [6.65]
		Sens BTUH [kW]	15.7 [4.60]	15.0 [4.40]	13.9 [4.07]	19.0 [5.57]	18.2 [5.33]	16.9 [4.95]	21.1 [6.18]	20.1 [5.89]	18.7 [5.48]
		Power	1.8	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7
	90 [32.2]	Total BTUH [kW]	27.0 [7.91]	26.5 [7.77]	25.8 [7.56]	25.6 [7.50]	25.1 [7.36]	24.4 [7.15]	23.1 [6.77]	22.7 [6.65]	22.1 [6.48]
		Sens BTUH [kW]	15.3 [4.48]	14.7 [4.31]	13.6 [3.99]	18.7 [5.48]	17.9 [5.25]	16.6 [4.86]	20.8 [6.10]	19.8 [5.80]	18.4 [5.39]
		Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
OUTDOOR DRY BULB TEMPERATURE °F [°C]	95 [35]	Total BTUH [kW]	26.2 [7.68]	25.7 [7.53]	25.0 [7.33]	24.7 [7.24]	24.3 [7.12]	23.6 [6.92]	22.3 [6.54]	21.9 [6.42]	21.3 [6.24]
		Sens BTUH [kW]	14.9 [4.37]	14.2 [4.16]	13.2 [3.87]	18.2 [5.33]	17.4 [5.10]	16.2 [4.75]	20.3 [5.95]	19.4 [5.69]	18.0 [5.28]
		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]	25.2 [7.39]	24.8 [7.27]	24.1 [7.06]	23.8 [6.98]	23.3 [6.83]	22.7 [6.65]	21.3 [6.24]	20.9 [6.13]	20.4 [5.98]
		Sens BTUH [kW]	14.3 [4.19]	13.7 [4.02]	12.7 [3.72]	17.7 [5.19]	16.9 [4.95]	15.7 [4.60]	19.8 [5.80]	18.9 [5.54]	17.6 [5.16]
		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]	24.3 [7.12]	23.8 [6.98]	23.2 [6.80]	22.8 [6.68]	22.4 [6.56]	21.8 [6.39]	20.4 [5.98]	20.0 [5.86]	19.5 [5.71]
		Sens BTUH [kW]	13.8 [4.04]	13.1 [3.84]	12.2 [3.58]	17.1 [5.01]	16.4 [4.81]	15.2 [4.45]	19.2 [5.63]	18.3 [5.36]	17.0 [4.98]
		Power	2.1	2.1	2.0	2.1	2.1	2	2.1	2.1	2.0
	110 [43.3]	Total BTUH [kW]	23.4 [6.86]	23.0 [6.74]	22.4 [6.56]	22.0 [6.45]	21.6 [6.33]	21.0 [6.15]	19.5 [5.71]	19.2 [5.63]	18.6 [5.45]
		Sens BTUH [kW]	13.2 [3.87]	12.6 [3.69]	11.7 [3.43]	16.6 [4.86]	15.8 [4.63]	14.7 [4.31]	18.6 [5.45]	17.8 [5.22]	16.5 [4.84]
		Power	2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.1
OUTDOOR DRY BULB TEMPERATURE °F [°C]	115 [46.1]	Total BTUH [kW]	22.7 [6.65]	22.3 [6.54]	21.7 [6.36]	21.3 [6.24]	20.9 [6.13]	20.4 [5.98]	18.9 [5.54]	18.5 [5.42]	18.0 [5.28]
		Sens BTUH [kW]	12.7 [3.72]	12.2 [3.58]	11.3 [3.31]	16.1 [4.72]	15.4 [4.51]	14.3 [4.19]	18.1 [5.30]	17.3 [5.07]	16.1 [4.72]
		Power	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

GROSS SYSTEMS PERFORMANCE DATA—RSNA-A030

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]
DR ①			.20	.18	.16	.20	.18	.16	.20	.18	.16
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	37.7 [11.05]	37.0 [10.84]	36.0 [10.55]	36.1 [10.58]	35.4 [10.37]	34.5 [10.11]	34.1 [9.99]	33.5 [9.82]	32.6 [9.55]
		Sens BTUH [kW]	21.6 [6.33]	20.7 [6.07]	19.2 [5.63]	25.9 [7.59]	24.7 [7.24]	23.0 [6.74]	29.1 [8.53]	27.8 [8.15]	25.8 [7.56]
		Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8
	80 [26.7]	Total BTUH [kW]	36.2 [10.61]	35.6 [10.43]	34.6 [10.14]	34.6 [10.14]	34.0 [9.96]	33.1 [9.70]	32.6 [9.55]	32.1 [9.41]	31.2 [9.14]
		Sens BTUH [kW]	20.9 [6.13]	20.0 [5.86]	18.6 [5.45]	25.2 [7.39]	24.1 [7.06]	22.4 [6.56]	28.3 [8.29]	27.1 [7.94]	25.2 [7.39]
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9
	85 [29.4]	Total BTUH [kW]	35.4 [10.37]	34.8 [10.20]	33.8 [9.91]	33.8 [9.91]	33.2 [9.73]	32.3 [9.47]	31.8 [9.32]	31.3 [9.17]	30.4 [8.91]
		Sens BTUH [kW]	20.5 [6.01]	19.6 [5.74]	18.2 [5.33]	24.8 [7.27]	23.7 [6.95]	22.0 [6.45]	28.0 [8.21]	26.7 [7.82]	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]	35.0 [10.26]	34.4 [10.08]	33.5 [9.82]	33.4 [9.79]	32.8 [9.61]	31.9 [9.35]	31.4 [9.20]	30.9 [9.06]	30.0 [8.79]
		Sens BTUH [kW]	20.3 [5.95]	19.4 [5.69]	18.0 [5.28]	24.6 [7.21]	23.5 [6.89]	21.8 [6.39]	27.8 [8.15]	26.5 [7.77]	24.7 [7.24]
		Power	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
OUTDOOR DRY BULB TEMPERATURE °F [°C]	95 [35]	Total BTUH [kW]	34.8 [10.20]	34.2 [10.02]	33.2 [9.73]	33.2 [9.73]	32.6 [9.55]	31.7 [9.29]	31.2 [9.14]	30.6 [8.97]	29.8 [8.73]
		Sens BTUH [kW]	20.2 [5.92]	19.3 [5.66]	17.9 [5.25]	24.5 [7.18]	23.4 [6.86]	21.7 [6.36]	27.6 [8.09]	26.4 [7.74]	24.6 [7.21]
		Power	2.4	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.3
	100 [37.8]	Total BTUH [kW]	34.4 [10.08]	33.8 [9.91]	32.9 [9.64]	32.9 [9.64]	32.3 [9.47]	31.4 [9.20]	30.9 [9.06]	30.3 [8.88]	29.5 [8.65]
		Sens BTUH [kW]	20.0 [5.86]	19.1 [5.60]	17.8 [5.22]	24.3 [7.12]	23.2 [6.80]	21.6 [6.33]	27.4 [8.03]	26.2 [7.68]	24.4 [7.15]
		Power	2.5	2.4	2.4	2.5	2.5	2/4	2.4	2.4	2.4
	105 [40.6]	Total BTUH [kW]	33.8 [9.91]	33.2 [9.73]	32.3 [9.47]	32.2 [9.44]	31.6 [9.26]	30.8 [9.03]	30.2 [8.85]	29.7 [8.70]	28.9 [8.47]
		Sens BTUH [kW]	19.6 [5.74]	18.8 [5.51]	17.5 [5.13]	23.9 [7.00]	22.9 [6.71]	21.3 [6.24]	27.1 [7.94]	25.9 [7.59]	24.1 [7.06]
		Power	2.6	2.6	2.5	2.6	2.6	2.5	2.6	2.5	2.5
	110 [43.3]	Total BTUH [kW]	32.6 [9.55]	32.0 [9.38]	31.1 [9.11]	31.0 [9.09]	30.4 [8.91]	29.6 [8.67]	29.0 [8.50]	28.5 [8.35]	27.7 [8.12]
		Sens BTUH [kW]	19.0 [5.57]	18.1 [5.30]	16.9 [4.95]	23.3 [6.83]	22.2 [6.51]	20.7 [6.07]	26.4 [7.74]	25.3 [7.41]	23.5 [6.89]
		Power	2.7	2.7	2.6	2.7	2.7	2.6	2.7	2.7	2.6
OUTDOOR DRY BULB TEMPERATURE °F [°C]	115 [46.1]	Total BTUH [kW]	30.5 [8.94]	30.0 [8.79]	29.2 [8.56]	29.0 [8.50]	28.4 [8.32]	27.7 [8.12]	27.0 [7.91]	26.5 [7.77]	25.8 [7.56]
		Sens BTUH [kW]	17.9 [5.25]	17.1 [5.01]	15.9 [4.66]	22.2 [6.51]	21.2 [6.21]	19.7 [5.77]	25.3 [7.41]	24.2 [7.09]	22.5 [6.59]
		Power	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions



GROSS SYSTEMS PERFORMANCE DATA—RSNA-A036

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]			1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]
DR ①			.27	.25	.23	.27	.25	.23	.27	.25	.23
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	43.7 [12.81]	42.9 [12.57]	41.7 [12.22]	40.9 [11.99]	40.1 [11.75]	39.1 [11.46]	38.4 [11.25]	37.7 [11.05]	36.7 [10.76]
		Sens BTUH [kW]	25.1 [7.36]	24.0 [7.03]	22.3 [6.54]	29.0 [8.50]	27.7 [8.12]	25.8 [7.56]	32.9 [9.64]	31.4 [9.20]	29.2 [8.56]
		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]	43.4 [12.72]	42.6 [12.48]	41.4 [12.13]	40.6 [11.90]	39.9 [11.69]	38.8 [11.37]	38.1 [11.17]	37.4 [10.96]	36.4 [10.67]
		Sens BTUH [kW]	25.1 [7.36]	24.0 [7.03]	22.3 [6.54]	29.1 [8.53]	27.8 [8.15]	25.8 [7.56]	32.9 [9.64]	31.4 [9.20]	29.2 [8.56]
		Power	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3
	85 [29.4]	Total BTUH [kW]	42.6 [12.48]	41.8 [12.25]	40.7 [11.93]	39.8 [11.66]	39.1 [11.46]	38.0 [11.14]	37.3 [10.93]	36.7 [10.76]	35.7 [10.46]
		Sens BTUH [kW]	24.7 [7.24]	23.6 [6.92]	21.9 [6.42]	28.7 [8.41]	27.4 [8.03]	25.5 [7.47]	32.5 [9.52]	31.0 [9.09]	28.9 [8.47]
		Power	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.4
	90 [32.2]	Total BTUH [kW]	41.4 [12.13]	40.7 [11.93]	39.6 [11.61]	38.7 [11.34]	38.0 [11.14]	36.9 [10.81]	36.2 [10.61]	35.5 [10.40]	34.6 [10.14]
Sens BTUH [kW]		24.0 [7.03]	22.9 [6.71]	21.3 [6.24]	27.9 [8.18]	26.7 [7.82]	24.8 [7.27]	31.8 [9.32]	30.4 [8.91]	28.2 [8.26]	
Power		2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
95 [35]	Total BTUH [kW]	40.1 [11.75]	39.4 [11.55]	38.3 [11.22]	37.3 [10.93]	36.7 [10.76]	35.7 [10.46]	34.9 [10.23]	34.3 [10.05]	33.3 [9.76]	
	Sens BTUH [kW]	23.1 [6.77]	22.1 [6.48]	20.5 [6.01]	27.1 [7.94]	25.9 [7.59]	24.0 [7.03]	30.9 [9.06]	29.5 [8.65]	27.5 [8.06]	
	Power	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	
100 [37.8]	Total BTUH [kW]	38.8 [11.37]	38.1 [11.17]	37.0 [10.84]	36.0 [10.55]	35.4 [10.37]	34.4 [10.08]	33.5 [9.82]	32.9 [9.64]	32.0 [9.38]	
	Sens BTUH [kW]	22.2 [6.51]	21.2 [6.21]	19.8 [5.80]	26.2 [7.68]	25.0 [7.33]	23.3 [6.83]	30.0 [8.79]	28.7 [8.41]	26.7 [7.82]	
	Power	2.9	2.9	2.9	2.9	2.9	2.8	2.9	2.9	2.8	
105 [40.6]	Total BTUH [kW]	37.6 [11.02]	36.9 [10.81]	35.9 [10.52]	34.8 [10.20]	34.2 [10.02]	33.2 [9.73]	32.3 [9.47]	31.8 [9.32]	30.9 [9.06]	
	Sens BTUH [kW]	21.5 [6.30]	20.5 [6.01]	19.1 [5.60]	25.4 [7.44]	24.3 [7.12]	22.6 [6.62]	29.3 [8.59]	28.0 [8.21]	26.0 [7.62]	
	Power	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
110 [43.3]	Total BTUH [kW]	36.6 [10.73]	36.0 [10.55]	35.0 [10.26]	33.9 [9.94]	33.3 [9.76]	32.4 [9.50]	31.4 [9.20]	30.8 [9.03]	30.0 [8.79]	
	Sens BTUH [kW]	21.0 [6.15]	20.1 [5.89]	18.7 [5.48]	25.0 [7.33]	23.9 [7.00]	22.2 [6.51]	28.8 [8.44]	27.6 [8.09]	25.6 [7.50]	
	Power	3.2	3.2	3.1	3.2	3.1	3.1	3.1	3.1	3.1	
115 [46.1]	Total BTUH [kW]	36.1 [10.58]	35.5 [10.40]	34.5 [10.11]	33.4 [9.79]	32.8 [9.61]	31.9 [9.35]	30.9 [9.06]	30.4 [8.91]	29.5 [8.65]	
	Sens BTUH [kW]	21.0 [6.15]	20.1 [5.89]	18.7 [5.48]	25.0 [7.33]	23.9 [7.00]	22.2 [6.51]	28.8 [8.44]	27.5 [8.06]	25.6 [7.50]	
	Power	3.3	3.3	3.3	3.3	3.3	3.2	3.3	3.3	3.2	

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

[] Designates Metric Conversions



INDOOR AIRFLOW PERFORMANCE—208 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed		CFM [L/s] Air Delivery/RPM/Watts—208 Volts Side Discharge—Wet Coil							
	Cool	Heat					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]	
1.5 [5.28]	Low Low	Low High	40,000 [11.72] 60,000 [17.58]	9 x 7 1/4 HP 2 Speed Motor	Low	CFM	675 [319]	657 [310]	634 [299]	602 [284]	560 [264]	505 [238]	435 [205]	
						RPM	695	785	870	905	940	980	1020	
						Watts	221	214	203	191	171	193	149	
2.0 [7.03]	High High	40,000 [11.72] 60,000 [17.58] 80,000 [23.45]	High		CFM	898 [424]	861 [406]	822 [388]	777 [367]	721 [340]	651 [307]	562 [265]		
					RPM	940	965	995	1020	1045	1070	1090		
					Watts	292	278	266	253	239	221	199		
2.5 [8.79]	Low	Low	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 1/2 HP 3 Speed Motor	Low	CFM	1076 [508]	1059 [500]	1032 [490]	996 [470]	950 [448]	896 [423]	832 [393]	
						RPM	730	775	820	865	905	940	975	
						Watts	356	349	341	331	320	305	287	
3.0 [10.55]	Med	Low			Med	CFM	1222 [577]	1197 [565]	1179 [556]	1162 [548]	1137 [537]	1097 [518]	1033 [488]	
						RPM	765	810	855	890	920	960	995	
						Watts	423	415	407	397	386	370	351	
3.5 [12.31]	High	Low			High	CFM	1514 [715]	1461 [670]	1415 [668]	1370 [647]	1322 [624]	1266 [597]	1197 [565]	
						RPM	895	930	965	985	1005	1025	1045	
						Watts	538	514	493	473	454	434	412	
4.0 [14.07]	High See Note Below	Low	All Inputs 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 3/4 HP 3 Speed Motor	Low	CFM	1204 [568]	1202 [567]	1191 [562]	1171 [553]	1143 [539]	1107 [522]	1065 [503]	
						RPM	734	810	886	923	959	988	1016	
						Watts	476	468	450	427	403	380	363	
					Med	CFM	1674 [790]	1620 [765]	1566 [739]	1511 [713]	1451 [685]	1384 [653]	1305 [616]	
						RPM	997	1019	1040	1058	1076	1088	1100	
						Watts	625	596	567	539	512	484	455	
					High	CFM	▲1843 [870]	▲1763 [832]	1693 [799]	1627 [768]	1560 [736]	1485 [701]	1398 [660]	
						RPM	1085	1094	1102	1110	1118	1126	1134	
						Watts	699	663	632	604	576	548	517	
5.0 [17.59]	High	Low	100,000 [29.31]	10 x 9 3/4 HP 3 Speed Motor	Low	CFM	1187 [560]	1174 [553]	1161 [547]	1148 [541]	1135 [535]	1105 [521]	1065 [502]	
						RPM	674	707	793	841	896	938	977	
						Watts	501	489	471	463	446	427	406	
					Med	CFM	1741 [821]	1721 [811]	1693 [798]	1645 [775]	1583 [746]	1521 [717]	1437 [677]	
						RPM	891	943	978	1004	1029	1047	1070	
						Watts	743	709	674	640	602	566	531	
					High	CFM	2062 [972]	1988 [937]	1926 [908]	1832 [864]	1773 [836]	1684 [794]	1578 [744]	
						RPM	1036	1050	1064	1083	1092	1102	1116	
						Watts	831	801	754	716	682	640	605	

NOTE: On 4 ton models, switch to medium speed for cooling if external static pressure is less than 0.4" W.C. at 230 volts or less than 0.3" W.C. at 208 volts.

▲ WARNING: Observe airflow operating limits if operating in area of airflow table shown in bold.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)								
CFM [L/s]	600 [283]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [850]	2000 [944]
Pressure Drop—Inches W.C. [kPa]	.00	.01 [.002]	.02 [.005]	.03 [.007]	.05 [.012]	.07 [.017]	.08 [.019]	.09 [.022]
MINIMUM RECOMMENDED FILTER SIZES								
Nominal Cooling Capacity Tons [kW]	1.5 [5.28]		2.0 [7.03]		2.5 [8.79] – 4.0 [14.07]		5.0 [17.59]	
Minimum Filter Size—Inches [mm]	16 x 20 x 1 [406 x 508 x 25]		20 x 20 x 1 [508 x 508 x 25]		24 x 24 x 1 [610 x 610 x 25]		24 x 30 x 1 [610 x 762 x 1]	

[] Designates Metric Conversions



AIRFLOW PERFORMANCE—RSKA- SERIES

INDOOR AIRFLOW PERFORMANCE—230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed		CFM [L/s] Air Delivery/RPM/Watts—230 Volts Side Discharge—Wet Coil						
	Cool	Heat					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]
1.5 [5.28]	Low Low	Low High	40,000 [11.72] 60,000 [17.58]	9 x 7 1/4 HP 2 Speed Motor	Low	CFM	771 [364]	751 [354]	725 [342]	691 [326]	645 [304]	584 [276]	546 [258]
						RPM	825	870	910	950	985	1010	1030
						Watts	253	242	230	217	204	189	181
2.0 [7.03]	High High	40,000 [11.72] 60,000 [17.58] 80,000 [23.45]	High		CFM	946 [446]	922 [435]	882 [416]	830 [392]	769 [363]	701 [331]	630 [298]	
					RPM	990	1015	1035	1055	1070	1085	1100	
					Watts	315	303	288	273	257	241	226	
2.5 [8.79]	Low Low	All Inputs	10 x 9 1/2 HP 3 Speed Motor	Low	CFM	1206 [569]	1182 [558]	1157 [546]	1128 [532]	1091 [515]	1044 [493]	983 [464]	
					RPM	760	815	870	910	950	975	1000	
					Watts	419	406	394	381	368	353	334	
3.0 [10.55]	Med Low	40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]		Med	CFM	1411 [666]	1368 [646]	1327 [626]	1285 [606]	1238 [584]	1183 [558]	1116 [527]	
					RPM	865	900	935	970	1000	1020	1035	
					Watts	498	481	464	447	430	411	391	
3.5 [12.31]	High Low	All Inputs	10 x 9 1/2 HP 3 Speed Motor	High	CFM	1641 [774]	1577 [744]	1515 [715]	1455 [687]	1393 [657]	1329 [627]	1262 [596]	
					RPM	980	1000	1020	1035	1050	1065	1080	
					Watts	589	565	543	523	503	481	456	
4.0 [14.07]	See Note Below	Low	All Inputs	10 x 9 3/4 HP 3 Speed Motor	Low	CFM	1412 [666]	1395 [658]	1371 [647]	1339 [632]	1296 [612]	1242 [586]	1176 [555]
						RPM	859	905	951	981	1011	1034	1057
						Watts	557	530	506	483	461	437	409
					Med	CFM	▲1793 [846]	▲1731 [817]	1665 [786]	1594 [752]	1519 [717]	1440 [680]	1356 [640]
						RPM	1053	1067	1080	1091	1101	1110	1119
						Watts	667	637	606	574	543	512	483
					High	CFM	▲1889 [892]	▲1826 [862]	▲1753 [827]	1672 [789]	1586 [749]	1499 [707]	1413 [667]
						RPM	1110	1117	1124	1129	1133	1139	1144
						Watts	736	715	683	646	608	574	551
5.0 [17.59]	High	Low	100,000 [29.31]	10 x 9 3/4 HP 3 Speed Motor	Low	CFM	1388 [654]	1380 [651]	1371 [646]	1351 [637]	1325 [625]	1294 [610]	1225 [577]
						RPM	741	794	858	904	947	985	1021
						Watts	595	583	564	539	510	484	453
					Med	CFM	1943 [916]	1895 [893]	1840 [867]	1774 [836]	1700 [801]	1618 [763]	1525 [719]
						RPM	995	1024	1040	1057	1041	1087	1100
						Watts	785	751	717	674	643	599	561
					High	CFM	2150 [1014]	2072 [977]	1991 [939]	1917 [904]	1820 [858]	1722 [812]	1627 [767]
						RPM	1080	1093	1100	1106	1115	1123	1130
						Watts	889	884	796	768	725	687	651

NOTE: On 4 ton models, switch to medium speed for cooling if external static pressure is less than 0.4" W.C. at 230 volts or less than 0.3" W.C. at 208 volts.

▲ **WARNING: Observe airflow operating limits if operating in area of airflow table shown in bold.**

[] Designates Metric Conversions



INDOOR AIRFLOW PERFORMANCE—230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed		CFM [L/s] Air Delivery/RPM/Watts—230 Volts Side Discharge—Wet Coil								
	Cool	Heat					External Static Pressure—Inches W.C. [kPa]								
							0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]		
2.0 [7.03]	High	Low	40,000 [11.72]	9 x 7 1/4 HP 2 Speed Motor	Low	CFM	771 [364]	751 [354]	725 [342]	691 [326]	645 [304]	584 [276]	546 [258]		
						RPM	825	870	910	950	985	1010	1030		
						Watts	253	242	230	217	204	189	181		
	High	High	60,000 [17.58] 80,000 [23.45]		High	CFM	946 [446]	922 [435]	882 [416]	830 [392]	769 [363]	701 [331]	630 [298]		
						RPM	990	1015	1035	1055	1070	1085	1100		
						Watts	315	303	288	273	257	241	226		
2.5 [8.79]	Low	Low	All Inputs	10 x 9 1/2 HP 3 Speed Motor	Low	CFM	1206 [569]	1182 [558]	1157 [546]	1128 [532]	1091 [515]	1044 [493]	983 [464]		
RPM						760	815	870	910	950	975	1000			
Watts						419	406	394	381	368	353	334			
3.0 [10.55]	Med	Low			40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	Med	CFM	1411 [666]	1368 [646]	1327 [626]	1285 [606]	1238 [584]	1183 [558]	1116 [527]	
							RPM	865	900	935	970	1000	1020	1035	
							Watts	498	481	464	447	430	411	391	
3.5 [12.31]	High	Low	All Inputs	10 x 9 1/2 HP 3 Speed Motor	High	CFM	1641 [774]	1577 [744]	1515 [715]	1455 [687]	1393 [657]	1329 [627]	1262 [596]		
						RPM	980	1000	1020	1035	1050	1065	1080		
						Watts	589	565	543	523	503	481	456		
4.0 [14.07]	High	Low			All Inputs	10 x 9 3/4 HP 3 Speed Motor	Low	CFM	1412 [666]	1395 [658]	1371 [647]	1339 [632]	1296 [612]	1242 [586]	1176 [555]
								RPM	859	905	951	981	1011	1034	1057
								Watts	557	530	506	483	461	437	409
	See Note 2 Below	Low	Med	CFM			▲ 1793 [846]	▲ 1731 [817]	1665 [786]	1594 [752]	1519 [717]	1440 [680]	1356 [640]		
				RPM			1053	1067	1080	1091	1101	1110	1119		
				Watts			667	637	606	574	543	512	483		
				Med	High	CFM	▲ 1889 [892]	▲ 1826 [862]	▲ 1753 [827]	1672 [789]	1586 [749]	1499 [707]	1413 [667]		
						RPM	1110	1117	1124	1129	1133	1139	1144		
						Watts	736	715	683	646	608	574	551		

INDOOR AIRFLOW PERFORMANCE—208 VOLTS

2.0 [7.03]	High	Low	40,000 [11.72]	9 x 7 1/4 HP 2 Speed Motor	Low	CFM	675 [319]	657 [310]	634 [299]	602 [284]	560 [264]	505 [238]	435 [205]
						RPM	695	785	870	905	940	980	1020
						Watts	221	214	203	191	171	193	149
	High	High	60,000 [17.58] 80,000 [23.45]		High	CFM	898 [424]	861 [406]	822 [388]	777 [367]	721 [340]	651 [307]	562 [265]
						RPM	940	965	995	1020	1045	1070	1090
						Watts	292	278	266	253	239	221	199
2.5 [8.79]	Low	Low	All Inputs 40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 1/2 HP 3 Speed Motor	Low	CFM	1076 [508]	1059 [500]	1032 [490]	996 [470]	950 [448]	896 [423]	832 [393]
RPM						730	775	820	865	905	940	975	
Watts						356	349	341	331	320	305	287	
3.0 [10.55]	Med	Low			Med	CFM	1222 [577]	1197 [565]	1179 [556]	1162 [548]	1137 [537]	1097 [518]	1033 [488]
RPM						765	810	855	890	920	960	995	
Watts						423	415	407	397	386	370	351	
3.5 [12.31]	High	Low			High	CFM	1514 [715]	1461 [670]	1415 [668]	1370 [647]	1322 [624]	1266 [597]	1197 [565]
RPM						895	930	965	985	1005	1025	1045	
Watts						538	514	493	473	454	434	412	
4.0 [14.07]	See Note 2 Below	Low	All Inputs 80,000 [23.45] 100,000 [29.31]	10 x 9 3/4 HP 3 Speed Motor	Low	CFM	1204 [568]	1202 [567]	1191 [562]	1171 [553]	1143 [539]	1107 [522]	1065 [503]
						RPM	734	810	886	923	959	988	1016
						Watts	476	468	450	427	403	380	363
					Med	CFM	1674 [790]	1620 [765]	1566 [739]	1511 [713]	1451 [685]	1384 [653]	1305 [616]
						RPM	997	1019	1040	1058	1076	1088	1100
						Watts	625	596	567	539	512	484	455
					High	CFM	▲ 1843 [870]	▲ 1763 [832]	1693 [799]	1627 [768]	1560 [736]	1485 [701]	1398 [660]
						RPM	1085	1094	1102	1110	1118	1126	1134
						Watts	699	663	632	604	576	548	517

▲ WARNING: 1. Do not operate unit in area of airflow table shown in bold (CFM greater than 1700 for 4 ton models) due to possibility of water blow-off.
 2. On 4 ton models, switch to medium speed for cooling if external static pressure is less than 0.4" W.C. at 230 volts or less than 0.3" W.C. at 208 volts.



AIRFLOW PERFORMANCE—RSNA- SERIES

INDOOR AIRFLOW PERFORMANCE—230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed		CFM [L/s] Air Delivery/RPM/Watts—230 Volts Side Discharge—Wet Coil						
	Cool	Heat					External Static Pressure—Inches W.C. [kPa]						
							0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
2.0 [7.03]	High	Low	40,000 [11.72]	9 x 7 1/4 HP 2 Speed Motor	Low	CFM	771 [364]	751 [354]	725 [342]	691 [326]	645 [304]	584 [276]	546 [258]
						RPM	825	870	910	950	985	1010	1030
						Watts	253	242	230	217	204	189	181
	High	High	60,000 [17.58] 80,000 [23.45]		High	CFM	946 [446]	922 [435]	882 [416]	830 [392]	769 [363]	701 [331]	630 [298]
						RPM	990	1015	1035	1055	1070	1085	1100
						Watts	315	303	288	273	257	241	226
2.5 [8.79]	Low	Low	40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 1/2 HP 3 Speed Motor	Low	CFM	1206 [569]	1182 [558]	1157 [546]	1128 [532]	1091 [515]	1044 [493]	983 [464]
						RPM	760	815	870	910	950	975	1000
						Watts	419	406	394	381	368	353	334
3.0 [10.55]	High	High		10 x 9 1/3 HP 1 Speed Motor	High	CFM	1391 [656]	1357 [640]	1312 [619]	1258 [594]	1201 [567]	1145 [540]	1093 [516]
						RPM	835	875	915	940	965	985	1000
						Watts	428	419	406	392	378	365	355

INDOOR AIRFLOW PERFORMANCE—208 VOLTS

2.0 [7.03]	High	Low	40,000 [11.72]	9 x 7 1/4 HP 2 Speed Motor	Low	CFM	675 [319]	657 [310]	634 [299]	602 [284]	560 [264]	505 [238]	435 [205]
						RPM	695	785	870	905	940	980	1020
						Watts	221	214	203	191	171	193	149
	High	High	60,000 [17.58] 80,000 [23.45]		High	CFM	898 [424]	861 [406]	822 [388]	777 [367]	721 [340]	651 [307]	562 [265]
						RPM	940	965	995	1020	1045	1070	1090
						Watts	292	278	266	253	239	221	199
2.5 [8.79]	Low	Low	40,000 [11.72] 60,000 [17.58] 80,000 [23.45] 100,000 [29.31]	10 x 9 1/2 HP 3 Speed Motor	Low	CFM	1076 [508]	1059 [500]	1032 [490]	996 [470]	950 [448]	896 [423]	832 [393]
						RPM	730	775	820	865	905	940	975
						Watts	356	349	341	331	320	305	287
3.0 [10.55]	High	High	100,000 [29.31]	10 x 9 1/3 HP 1 Speed Motor	High	CFM	1222 [577]	1201 [567]	1117 [554]	1137 [537]	1090 [514]	1030 [486]	954 [450]
						RPM	785	805	830	870	905	950	990
						Watts	355	352	346	340	331	320	306

▲ **WARNING:** 1. Do not operate unit in area of airflow table shown in bold (CFM greater than 1700 for 4 ton models) due to possibility of water blow-off.
2. On 4 ton models, switch to medium speed for cooling if external static pressure is less than 0.4" W.C. at 230 volts or less than 0.3" W.C. at 208 volts.



Model No. RSKA-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A018JK	187-253	14/14	20/20	20/20	1	208/230	1	1/4	1.3	2.3
A024JK	187-253	17/17	25/25	25/25	1	208/230	1	1/4	1.3	2.3
A030JK	187-253	23/23	30/30	35/35	1	208/230	1	1/2	2.4	4.8
A036CK	187-253	20/20	25/25	30/30	1	208/230	1	1/2	2.4	4.8
A036JK	187-253	27/27	35/35	40/40	1	208/230	1	1/2	2.4	4.8
A042CK	187-253	20/20	25/25	30/30	1	208/230	1	1/2	2.4	4.8
A042JK	187-253	27/27	35/35	40/40	1	208/230	1	1/2	2.4	4.8
A048CK	187-253	25/25	30/30	35/35	1	208/230	1	3/4	4.4	9.6
A048JK	187-253	37/37	45/45	60/60	1	208/230	1	3/4	4.4	9.6
A060CK	187-253	30/30	35/35	45/45	1	208/230	1	3/4	4.4	9.6
A060JK	187-253	42/42	50/50	60/60	1	208/230	1	3/4	4.4	9.6

Model No. RSKA-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP ²	RPM	Amps ¹ (RLA)	Amps ¹ (LRA)	No.	Volts	Phase	HP ²	Amps ¹ (FLA)	Amps ¹ (LRA)
A018JK	1	208/230	1	1 1/2	3450	9.6/9.6	50/50	1	208/230	1	1/15	0.5	0.6
A024JK	1	208/230	1	2 1/6	3450	13.5/13.5	76/76	1	208/230	1	1/15	0.5	0.6
A030JK	1	208/230	1	2 2/3	3450	15/15	82/82	1	208/230	1	1/5	1.3	2.3
A036CK	1	208/230	3	3 1/3	3450	12.5/12.5	88/88	1	208/230	1	1/5	1.3	2.3
A036JK	1	208/230	1	3 1/3	3450	18/18	104/104	1	208/230	1	1/5	1.3	2.3
A042CK	1	208/230	3	3 1/2	3450	12.5/12.5	88/88	1	208/230	1	1/5	1.3	2.3
A042JK	1	208/230	1	3 1/2	3450	18.3/18.3	109/109	1	208/230	1	1/5	1.3	2.3
A048CK	1	208/230	3	4	3450	14.7/14.7	115/115	1	208/230	1	1/3	1.7	4.7
A048JK	1	208/230	1	4	3450	24.2/24.2	132/132	1	208/230	1	1/3	1.7	4.7
A060CK	1	208/230	3	5	3450	18.6/18.6	128/128	1	208/230	1	1/3	1.7	4.7
A060JK	1	208/230	1	5	3450	28.1/28.1	144/144	1	208/230	1	1/3	1.7	4.7

1. Horsepower Per Compressor.

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



AIRFLOW PERFORMANCE—RSMA- SERIES

Model No. RSMA-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A018JK	187-253	14/14	20/20	20/20	1	208/230	1	1/4	1.3	2.3
A024JK	187-253	17/17	25/25	25/25	1	208/230	1	1/4	1.3	2.3
A030JK	187-253	21/21	25/25	30/30	1	208/230	1	1/2	2.4	4.8
A036CK	187-253	17/17	20/20	25/25	1	208/230	1	1/2	2.4	4.8
A036JK	187-253	25/25	30/30	40/40	1	208/230	1	1/2	2.4	4.8
A042CK	187-253	20/20	25/25	30/30	1	208/230	1	1/2	2.4	4.8
A042JK	187-253	27/27	35/35	40/40	1	208/230	1	1/2	2.4	4.8
A048CK	187-253	23/23	30/30	35/35	1	208/230	1	3/4	4.4	9.6
A048JK	187-253	36/36	45/45	50/50	1	208/230	1	3/4	4.4	9.6

Model No. RSMA-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP ²	RPM	Amps ¹ (RLA)	Amps ¹ (LRA)	No.	Volts	Phase	HP ²	Amps ¹ (FLA)	Amps ¹ (LRA)
A018JK	1	208/230	1	1 1/2	3450	9.6/9.6	50/50	1	208/230	1	1/15	0.5	0.6
A024JK	1	208/230	1	2	3450	12.2/12.2	63/63	1	208/230	1	1/15	0.5	0.6
A030JK	1	208/230	1	2 1/3	3450	13.5/13.5	72.5/72.5	1	208/230	1	1/5	1.3	2.3
A036CK	1	208/230	3	3	3450	10.3/10.3	77/77	1	208/230	1	1/5	1.3	2.3
A036JK	1	208/230	1	3	3450	16.5/16.5	95/95	1	208/230	1	1/5	1.3	2.3
A042CK	1	208/230	3	3 1/3	3450	12.5/12.5	88/88	1	208/230	1	1/5	1.3	2.3
A042JK	1	208/230	1	3 1/3	3450	18/18	104/104	1	208/230	1	1/5	1.3	2.3
A048CK	1	208/230	3	4	3450	14.7/14.7	120/120	1	208/230	1	1/3	1.7	4.7
A048JK	1	208/230	1	4	3450	23.9/23.9	137/137	1	208/230	1	1/3	1.7	4.7

1. Horsepower Per Compressor.

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

ELECTRICAL DATA—RSNA- SERIES



Model No. RSNA-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A024JK	187-253	17/17	25/25	25/25	1	208/230	1	1/4	1.3	2.3
A030JK	187-253	21/21	25/25	30/30	1	208/230	1	1/2	2.4	4.8
A036CK	187-253	16/16	25/25	25/25	1	208/230	1	1/3	1.7	4.7
A036JK	187-253	23/23	30/30	35/35	1	208/230	1	1/3	1.7	4.7

Model No. RSNA-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP ²	RPM	Amps ¹ (RLA)	Amps ¹ (LRA)	No.	Volts	Phase	HP ²	Amps ¹ (FLA)	Amps ¹ (LRA)
A024JK	1	208/230	1	1 5/6	3450	10.9/10.9	54/54	1	208/230	1	1/5	1.3	2.23
A030JK	1	208/230	1	2 1/3	3450	13.5/13.5	72.5/72.5	1	208/230	1	1/5	1.3	2.23
A036CK	1	208/230	3	2 5/6	3450	10.3/10.3	77/77	1	208/230	1	1/5	1.3	2.23
A036JK	1	208/230	1	2 5/6	3450	16/16	88/88	1	208/230	1	1/5	1.3	2.23

1. Horsepower Per Compressor.

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



ELECTRIC HEATER KITS —RSKA/RSMA/RSNA- SERIES

208-240 Volt, Single Phase, 60 HZ									
Nominal Size Tons [kW]	Unit Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amps. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Overcurrent Protective Device Size	
								Min./Max. @ 208 V	Min./Max. @ 240 V
1.5 [5.28] 1-Phase	No Heat	—	—	—	—	—	14/14	20/20	20/20
	03	1	1	2.1/2.8	7.17/9.55	10.1/11.7	15/17	20/20	20/20
	05	1	1	3.6/4.8	12.28/16.38	17.3/20.0	24/27	20/25	25/30
	06	2	1	4.2/5.6	14.33/19.11	20.2/23.3	27/31	25/30	30/35
	08	2	1	5.7/7.6	19.45/25.93	27.4/31.6	36/42	30/40	35/45
2.0 [7.03] 1-Phase	No Heat	—	—	—	—	—	19/19	25/30	25/30
	03	1	1	2.1/2.8	7.17/9.55	10.1/11.7	19/19	25/30	25/30
	05	1	1	3.6/4.8	12.28/16.38	17.3/20.0	24/27	25/30	25/30
	06	2	1	4.2/5.6	14.33/19.11	20.2/23.3	27/31	25/30	30/35
	08	2	1	5.7/7.6	19.45/25.93	27.4/31.6	36/42	30/40	35/45
2.5 [8.79] 1-Phase	No Heat	—	—	—	—	—	23/23	30/35	30/35
	03	1	1	2.1/2.8	7.17/9.55	10.1/11.7	23/23	30/35	30/35
	05	1	1	3.6/4.8	12.28/16.38	17.3/20.0	25/28	30/35	30/35
	06	2	1	4.2/5.6	14.33/19.11	20.2/23.3	28/32	30/35	30/35
	08	2	1	5.7/7.6	19.45/25.93	27.4/31.6	37/43	35/40	40/45
3.0 [10.55] 1-Phase	No Heat	—	—	—	—	—	27/27	35/40	35/40
	06	2	1	4.2/5.6	14.33/19.11	20.2/23.3	28/32	35/40	35/40
	08	2	1	5.7/7.6	19.45/25.93	27.4/31.6	37/43	35/40	40/45
	10	2	1	7.2/9.6	24.57/32.76	34.6/40.0	46/56	40/50	45/60
	15	3	1	10.8/14.4	36.85/49.13	51.9/60.0	68/78	60/70	70/80
3.0 [10.55] 3-Phase	No Heat	—	—	—	—	—	20/20	25/30	25/30
	10	3	1	7.2/9.6	24.57/32.76	20.0/23.1	28/32	30/30	35/35
	12	3	1	8.4/11.2	28.66/38.21	23.4/27.0	33/37	35/35	40/40
	15	3	1	10.8/14.4	36.85/49.13	30.1/34.7	41/47	45/45	50/50
3.5 [12.31] 1-Phase	No Heat	—	—	—	—	—	27/27	35/40	35/40
	06	2	1	4.2/5.6	14.33/19.11	20.2/23.3	28/32	35/40	35/40
	08	2	1	5.7/7.6	19.45/25.93	27.4/31.6	37/43	35/40	40/45
	10	2	1	7.2/9.6	24.57/32.76	34.6/40.0	46/56	40/50	45/60
	15	3	1	10.8/14.4	36.85/49.13	51.9/60.0	68/78	60/70	70/80
3.5 [12.31] 3-Phase	No Heat	—	—	—	—	—	20/20	25/30	25/30
	10	3	1	7.2/9.6	24.57/32.76	20.0/23.1	28/32	30/30	35/35
	12	3	1	8.4/11.2	28.66/38.21	23.4/27.0	33/37	35/35	40/40
	15	3	1	10.8/14.4	36.85/49.13	30.1/34.7	41/47	45/45	50/50
4.0 [14.07] 1-Phase	No Heat	—	—	—	—	—	37/37	45/60	45/60
	06	2	1	4.2/5.6	14.33/19.11	20.2/23.3	37/37	45/60	45/60
	08	2	1	5.7/7.6	19.45/25.93	27.4/31.6	40/45	45/60	45/60
	10	2	1	7.2/9.6	24.57/32.76	34.6/40.0	49/56	50/60	60/60
	15	3	1	10.8/14.4	36.85/49.13	51.9/60.0	71/81	80/80	90/90
4.0 [14.07] 3-Phase	No Heat	—	—	—	—	—	25/25	30/35	30/35
	10	3	1	7.2/9.6	24.57/32.76	20.0/23.1	31/35	35/35	35/35
	12	3	1	8.6/11.4	29.34/38.90	23.8/27.4	36/40	40/40	40/40
	15	3	1	10.8/14.4	36.85/49.13	30.1/34.7	44/49	45/45	50/50
5.0 [17.60] 1-Phase	No Heat	—	—	—	—	—	42/42	50/60	50/60
	06	2	1	4.2/5.6	14.33/19.11	20.2/23.3	42/42	50/60	50/60
	08	2	1	5.7/7.6	19.45/25.93	27.4/31.6	42/45	50/60	50/60
	10	2	1	7.2/9.6	24.57/32.76	34.6/40.0	49/56	50/60	60/60
	15	3	1	10.8/14.4	36.85/49.13	51.9/60.0	71/81	80/80	90/90
5.0 [17.60] 3-Phase	No Heat	—	—	—	—	—	31/35	45/45	45/45
	10	3	1	7.2/9.6	24.57/32.76	20.0/23.1	36/40	45/45	45/45
	12	3	1	8.6/11.4	29.34/38.90	23.8/27.4	44/49	45/45	50/50
	15	3	1	10.8/14.4	36.85/49.13	30.1/34.7	44/49	45/45	50/50

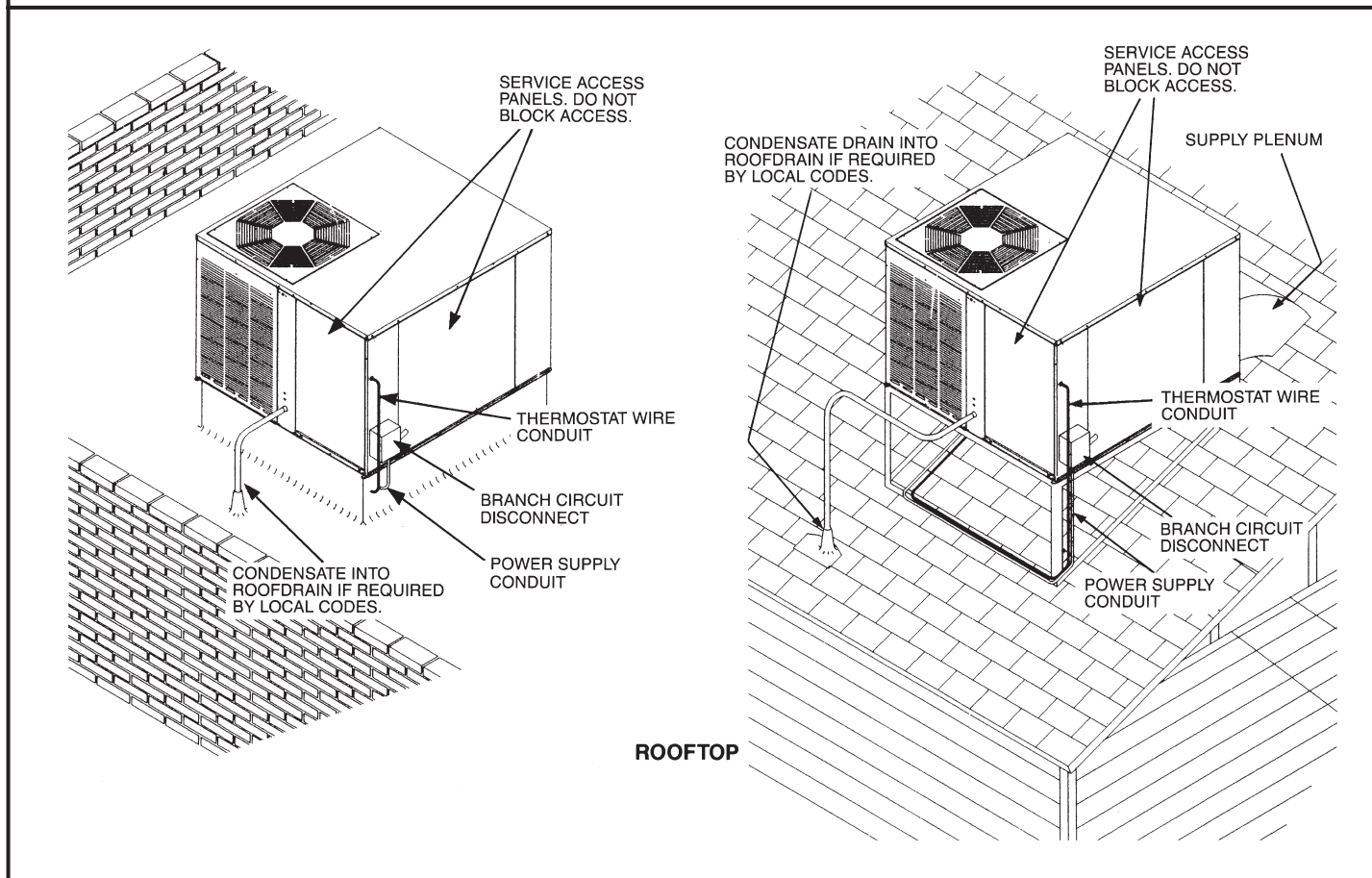
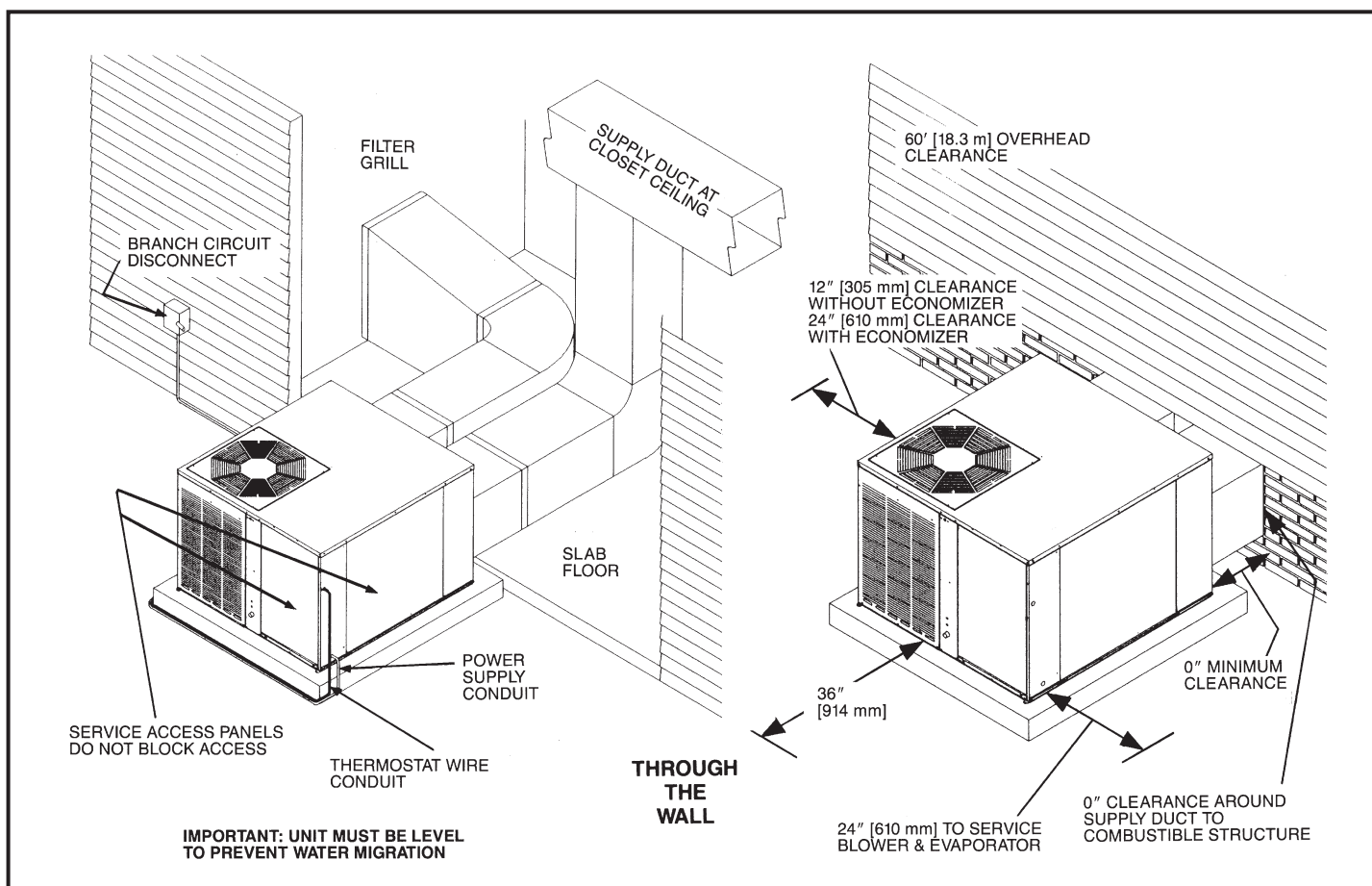
Copper Wire Size—AWG (1% Voltage Drop)

SUPPLY WIRE LENGTH-Feet	300	250	200	150	100	50	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125
300	4	3	2	2	1	1/0	1/0	2/0	2/0	3/0	3/0	3/0	3/0	4/0	4/0	4/0	4/0	4/0	4/0	4/0	4/0	4/0	4/0	4/0	4/0	4/0	4/0	4/0	4/0
250	4	4	3	3	2	1	1	1/0	1/0	2/0	2/0	2/0	2/0	3/0	3/0	3/0	3/0	3/0	3/0	3/0	3/0	3/0	3/0	3/0	3/0	3/0	3/0	3/0	3/0
200	6	4	4	4	3	2	2	1	1	1/0	1/0	1/0	1/0	2/0	2/0	2/0	2/0	2/0	2/0	2/0	2/0	2/0	2/0	2/0	2/0	2/0	2/0	2/0	2/0
150	8	6	6	6	4	4	4	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
100	10	8	8	8	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
50	14	12	10	10	8	8	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Notes: 1. Wire size based on 60°C. type copper conductors below 100 ampacity.

2. Wire size based on 75°C. type copper conductors for 100 ampacity and above.

[] Designates Metric Conversions



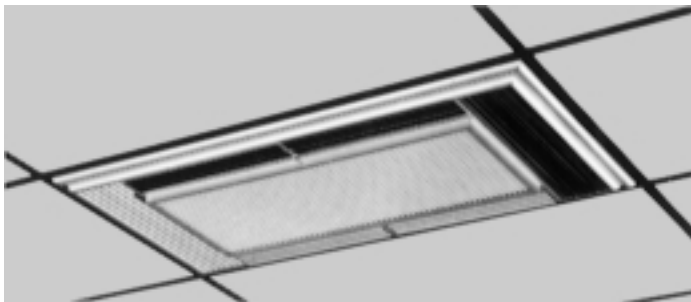
ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Roofcurbs	RSKA, RSMA, RSNA	RXSG-AAA08 (8" [203 mm] Height) RXSG-AAA14 (14" [356 mm] Height) RXSG-AAA24 (24" [610 mm] Height)
Supply & Return Diffusers	RSKA, RSMA, RSNA	RXRN-BD15
Economizers (Downflow ONLY)	RSKA, RSMA, RSNA	RXRE-CAA30 (3 Position) RXRD-CAM10 (Fully Modulating)
Fresh Air Damper	RSKA, RSMA, RSNA	RXRF-FAB1 (Motorized-35%) RXRF-FAA1 (Fixed-35%)
Rectangular to Round Transition (Downflow)	RSKA, RSMA, RSNA	RXMC-CA02 (16" [406 mm] Ducts) RXMC-CA03 (18" [457 mm] Ducts)
Filter Kit	RSKA, RSMA, RSNA	RXRY-B01
Low Ambient Control	RSKA, RSMA, RSNA	RXRZ-A18
High Pressure Control	RSKA, RSMA, RSNA	RXAB-A02
Low Pressure Control	RSKA, RSMA, RSNA	RXAC-A02
Sideflow Rectangular to Round Transition	RSKA, RSMA, RSNA	RXMC-BA01
LP Conversion Kits	RSKA, RSMA, RSNA	RXGJ-EP84W (White-Rodgers Gas Valve) RXGJ-EP85H (Honeywell Gas Valve)
Canadian High Altitude Kit (for Natural Gas only*)	RSKA, RSMA, RSNA	RXRZ-AH01

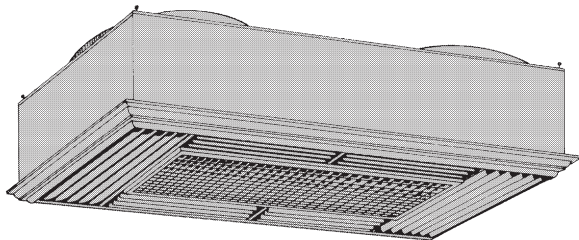
*If a particular unit is to be converted to operate on LP (propane) for elevations above 2000 ft. [609.6 m] in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. [609.6-1371.6 m]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

[] Designates Metric Conversions

COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



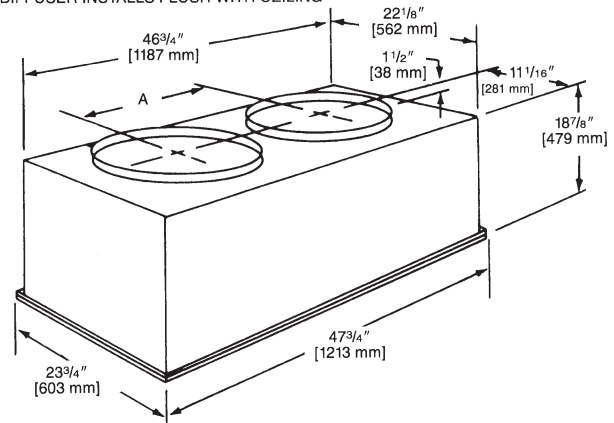
SUPPLY/RETURN DIFFUSER



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

DIFFUSER INSTALLS FLUSH WITH CEILING



NOTE: The location of the combination supply and return diffuser should not exceed 10 feet [3.05 m] above the floor level for units @ 1000 CFM [472 L/s] or less and 12 [3.66 m] to 14 feet [4.27 m] above the floor level for units with CFM greater than 1000 [472 L/s]. If the diffuser is installed with a greater distance than recommended above, the supply air may become stratified above the required comfort area causing uncomfortable conditions.

AIRFLOW/PRESSURE DROP INFORMATION (INCHES W.C. [kPa])

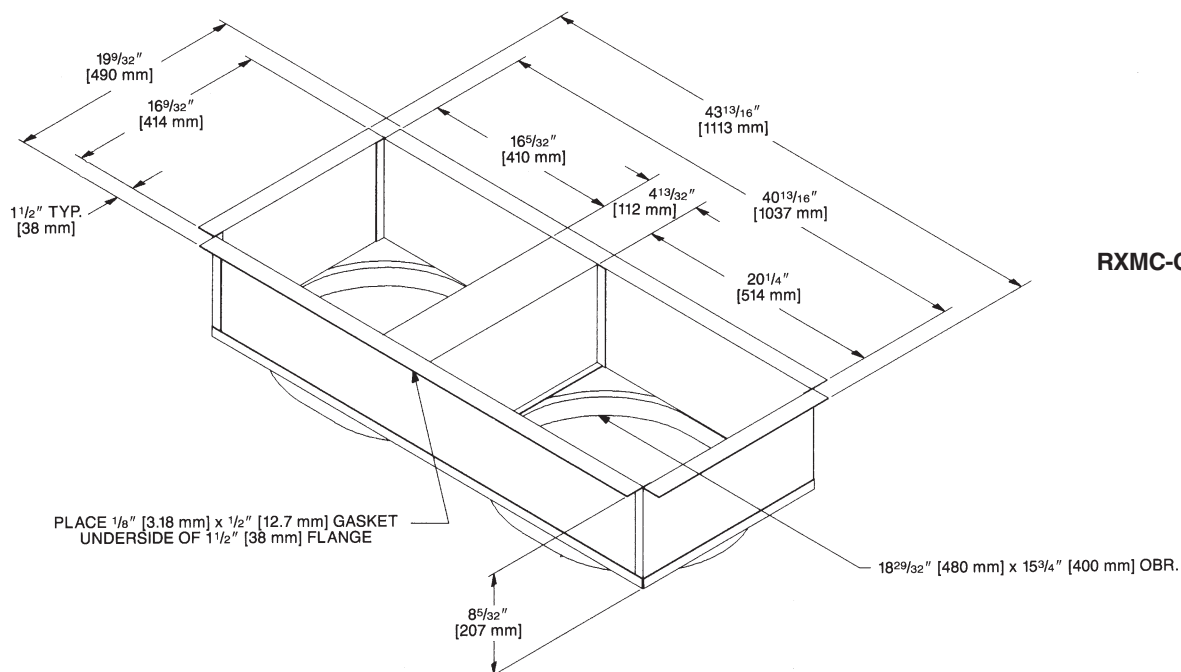
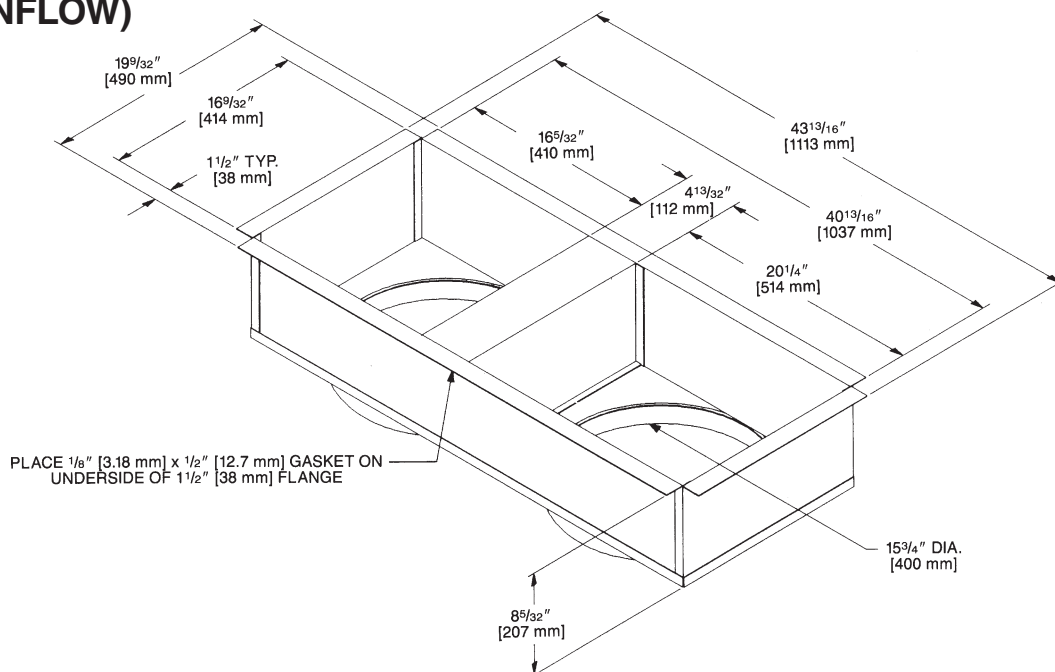
Accessory	Approximate CFM [L/s]-Supply Air			
	1300 [614]	1575 [743]	1800 [850]	2200 [1038]
Plenum & Supply/Return Duct	.07 [.017]	.10 [.024]	.12 [.030]	.17 [.042]
Diffuser	.09 [.022]	.13 [.032]	.16 [.040]	.24 [.060]
Economizer	.06 [.015]	.09 [.022]	.11 [.027]	.17 [.042]

SUPPLY AIR/PERFORMANCE

Diffuser Airflow CFM [L/s]	Range of Throw Ft. [m]
800 [378]-1200 [566]	14 [4.27]-16 [4.88]
1600 [755]-2000 [944]	18 [5.49]-28 [8.53]

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03

[] Designates Metric Conversions

FRESH AIR DAMPER FOR USE ON RSKA-/RSMA-/RSNA- SERIES

RXRF-FAA1 (Fixed - 0-35%)

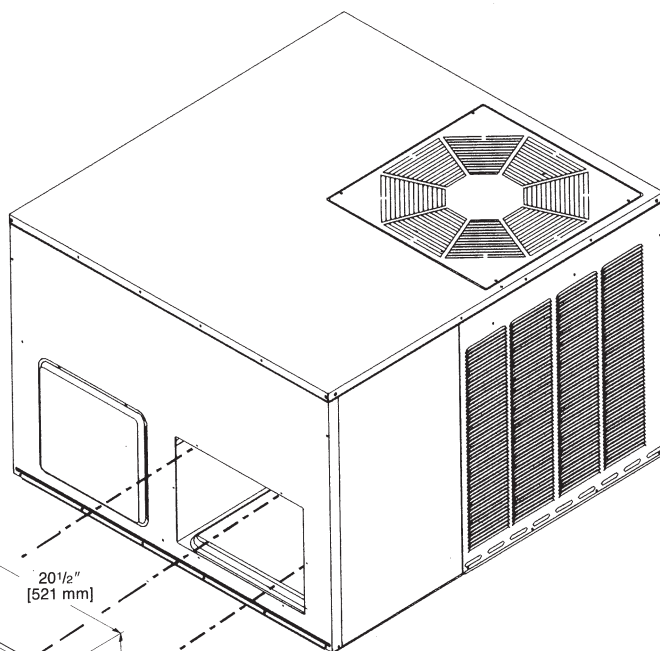
The 0-35% manual outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The amount of outside air (0-35%) is controlled by simply adjusting the side damper.

RXRF-FAB1 (Motorized - 0-35%)

The 0-35% motorized outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The control motor opens the adjustable slide damper when the unit blower motor is energized.

CAULK INSIDE OF CORNERS
(TYP. 4 PLACES) (304112) MATERIAL

3/4" [19 mm]



SHIP HOOD REMOVED

20 1/2" [521 mm]

15 1/8" [384 mm]

13 3/4" [349 mm]

12" [305 mm]

(304101) GASKET 1/8" [3.18 mm] x 1/2" [12.7 mm]
5/8" [15.87 mm] FLANGE ON BACK SIDE

ECONOMIZERS

RXRE-CAA30 (3 Position) and RXRD-CAM10 (Fully Modulating) for RSKA-/RSMA-/RSNA- Series

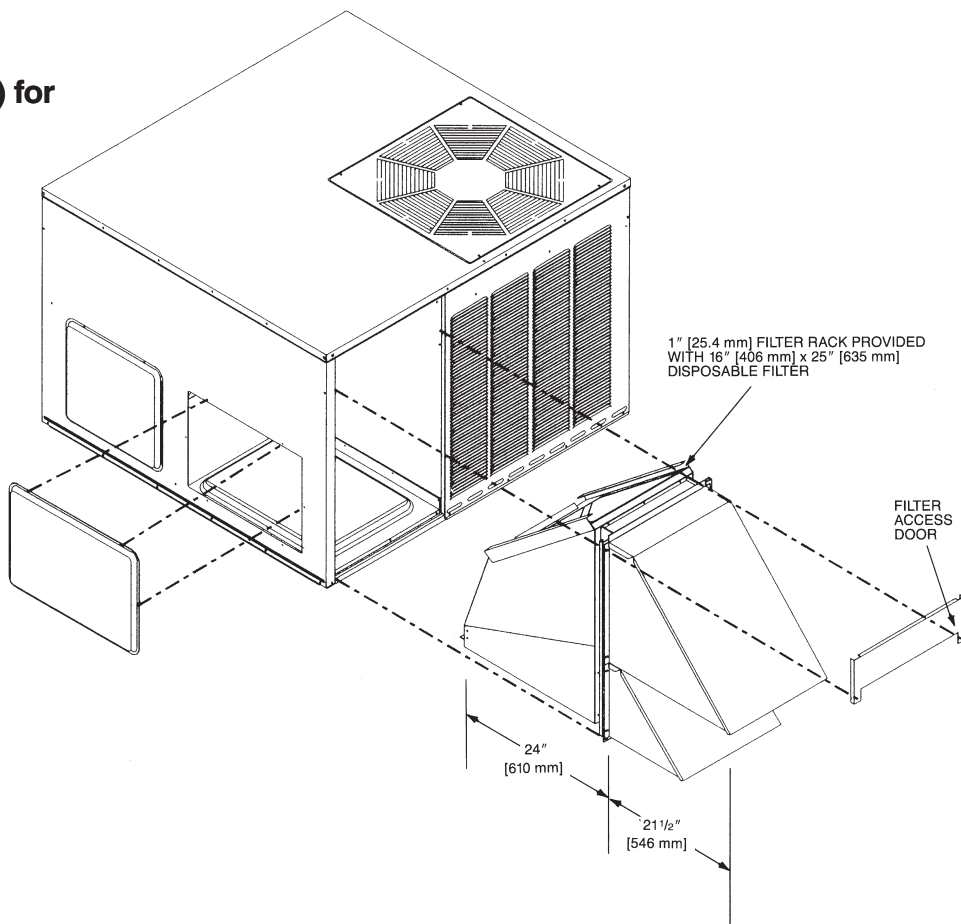
RXRE-CAA30 (3 Position)

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

RXRD-CAM10 (Fully Modulating)

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

Note: See economizer installation instructions for correct filter access door.



1" [25.4 mm] FILTER RACK PROVIDED
WITH 16" [406 mm] x 25" [635 mm]
DISPOSABLE FILTER

FILTER
ACCESS
DOOR

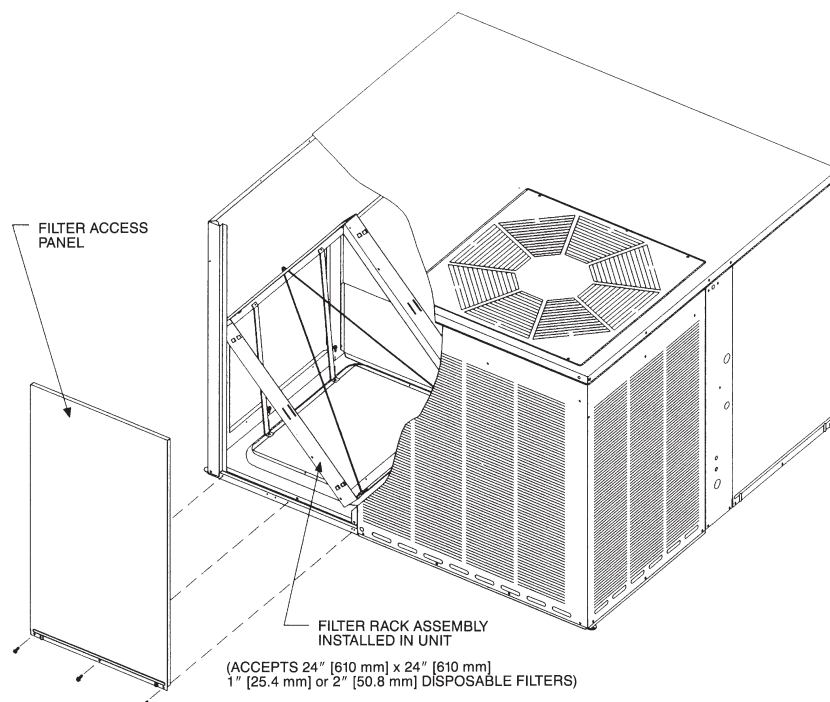
24" [610 mm]

21 1/2" [546 mm]

[] Designates Metric Conversions

FILTER KIT INSTALLATION RXRY-B01

For use in either
vertical or horizontal
discharge.



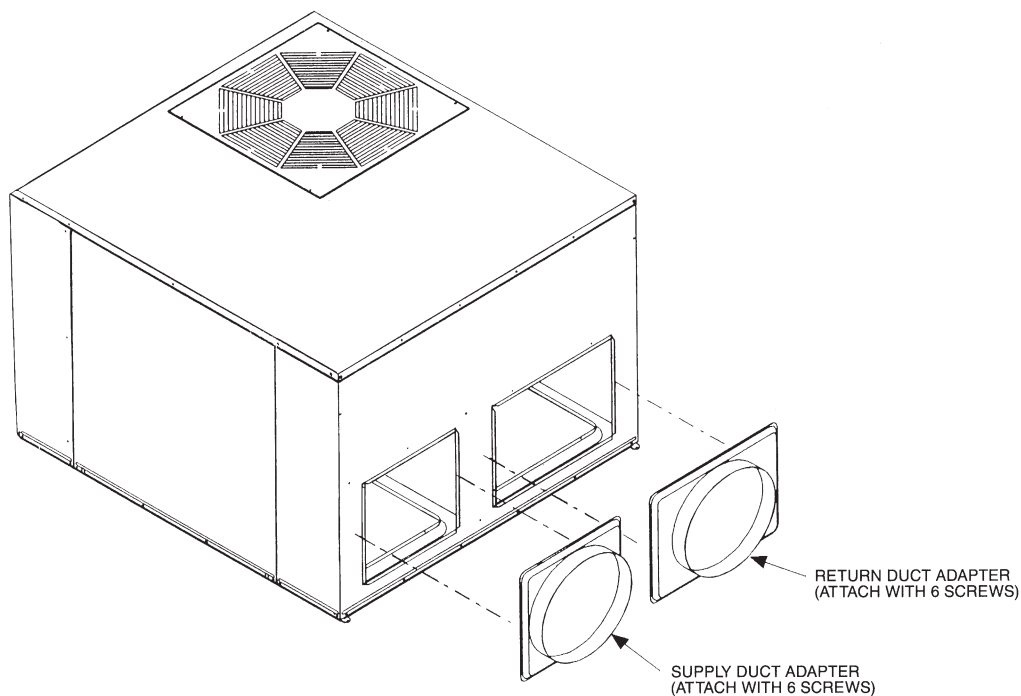
Model No.	CFM [L/s]		
	Minimum Airflow	Nominal Airflow	Maximum Airflow
RSKA-/RSMA-/RSNA-	510 [241]	600 [283]	660 [311]
RSKA-/RSMA-/RSNA-	680 [321]	800 [378]	880 [415]
RSKA-/RSMA-/RSNA-	850 [401]	1000 [472]	1100 [519]
RSKA-/RSMA-/RSNA-	1020 [481]	1200 [566]	1320 [623]
RSKA-/RSMA-/RSNA-	1190 [562]	1400 [661]	1540 [727]
RSKA-/RSMA-/RSNA-	1275 [602]	1500 [708]	1650 [779]
RSKA-	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 RXMC-BA01

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



ROOFCURB (Full Perimeter)

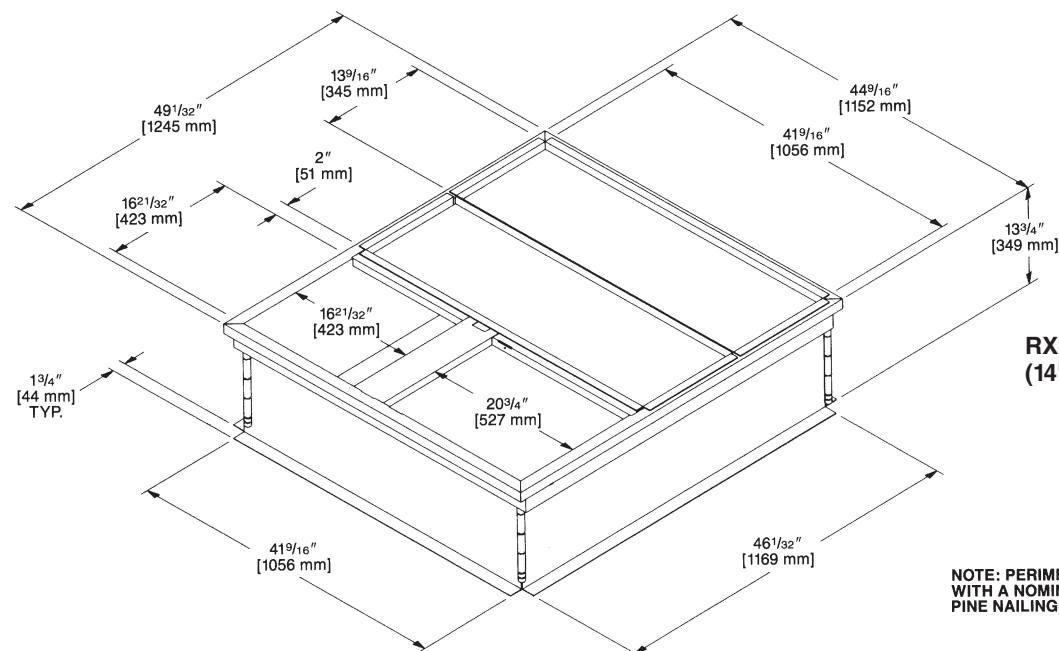
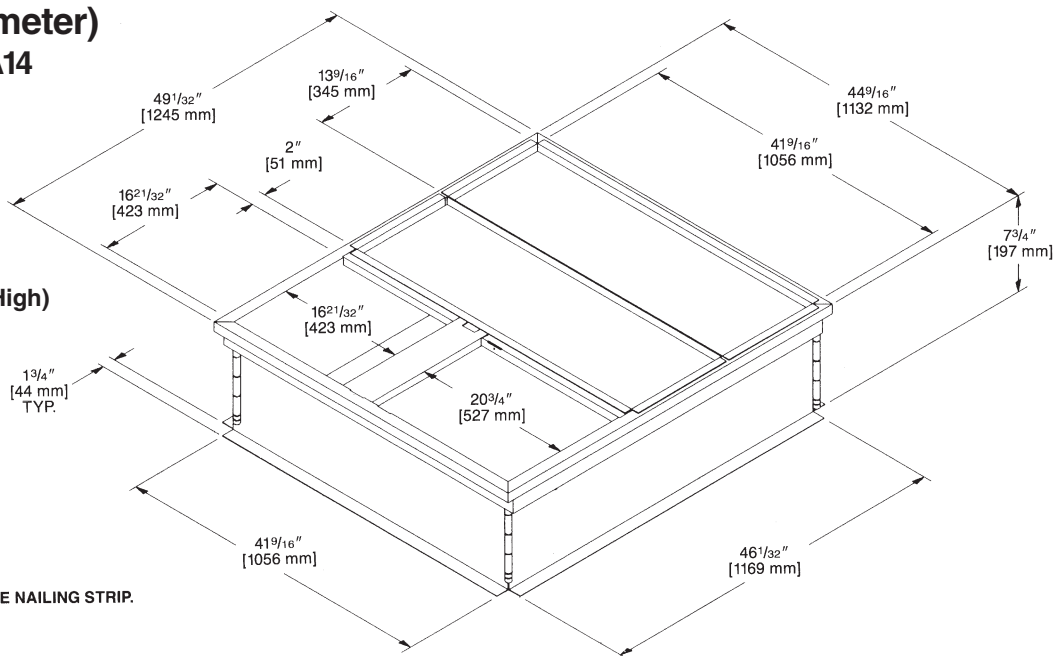
RXSG-AAA08, RXSG-AAA14 and RXSG-AAA24 for RSKA-/RSMA- & RSNA- Series

Hinged corners make for
fast, easy set-up.

RXSG-AAA08
(8" [203 mm] High)

**NOT for use with
RQKA/RQLA/RQMA
Package Heat Pumps.**

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



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

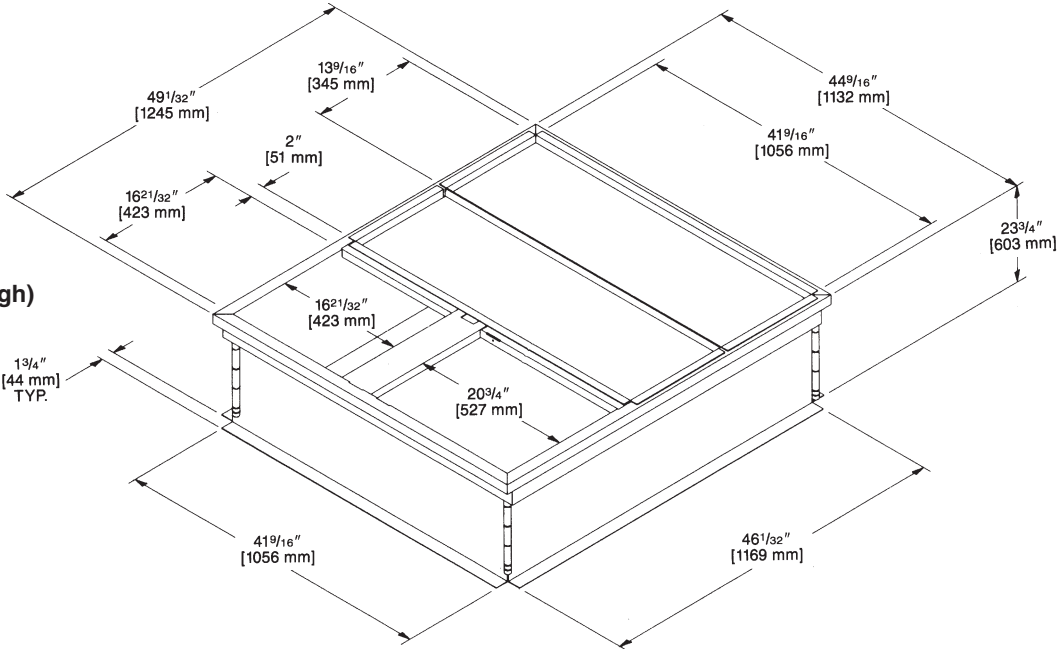
**NOTE: PERIMETER OF ROOFCURB IS SUPPLIED
WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm]
PINE NAILING STRIP.**

[] Designates Metric Conversions



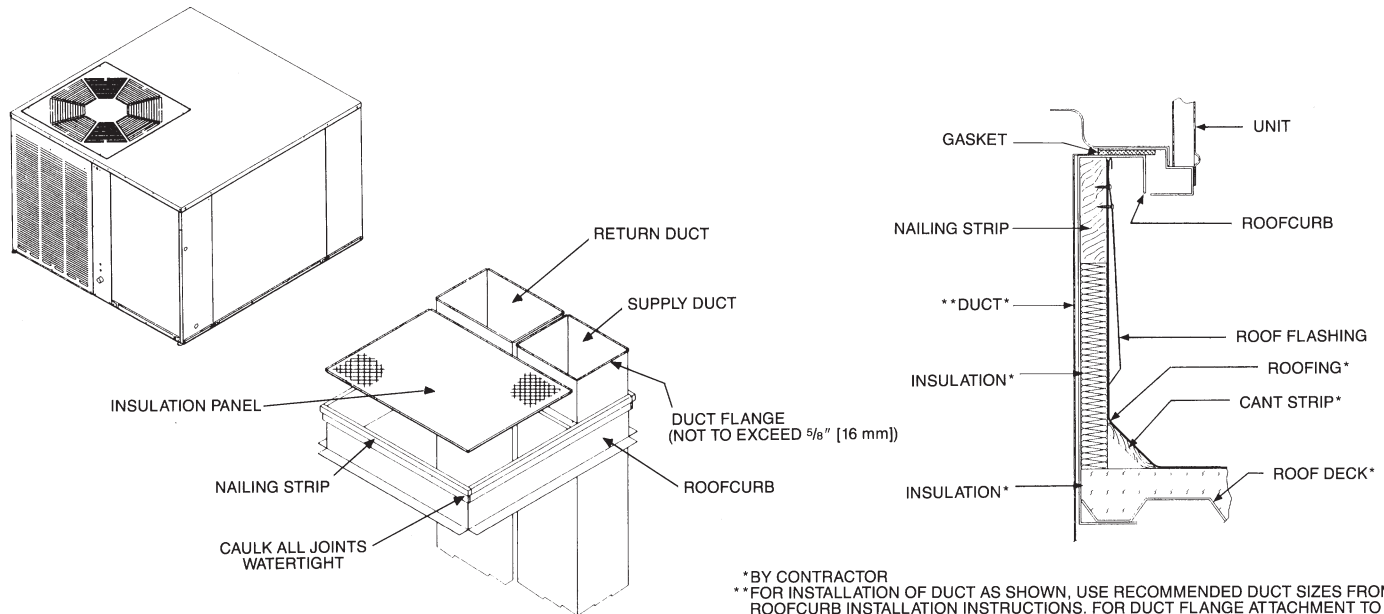
ROOFCURB (Full Perimeter) (Cont.)

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



[] Designates Metric Conversions

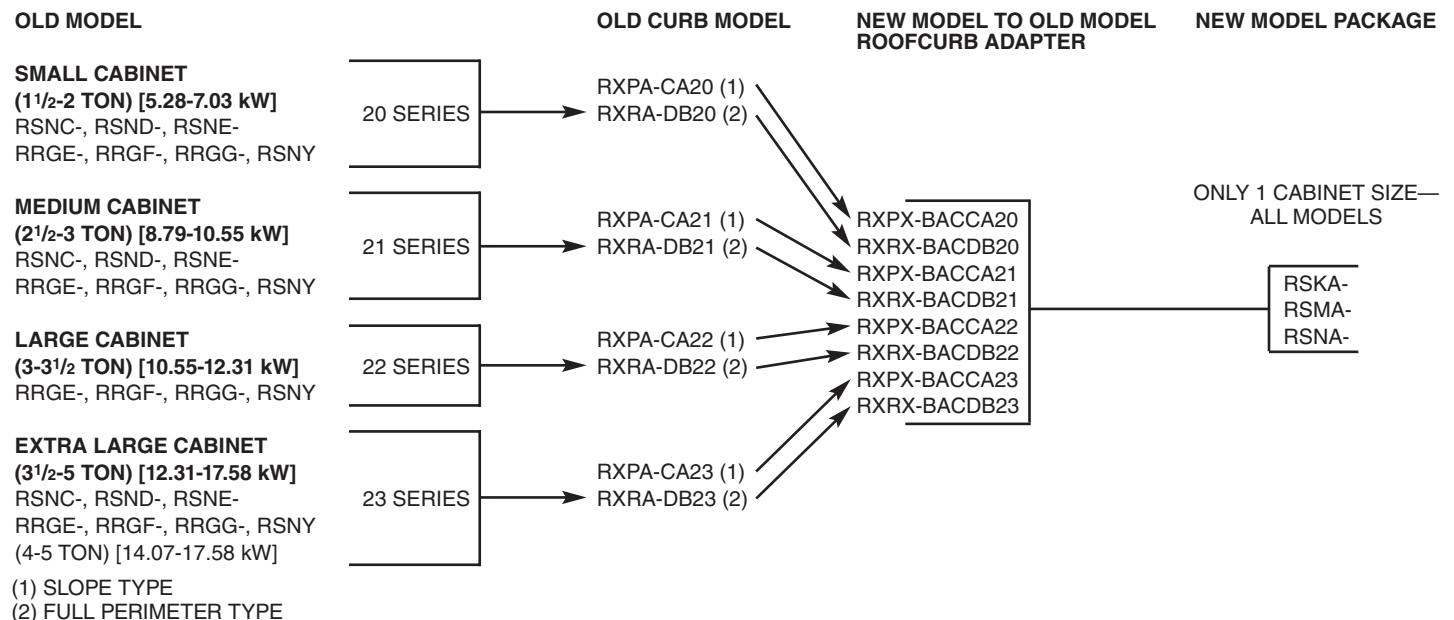
SELF CONTAINED AIR CONDITIONERS & GAS/ELECTRIC PACKAGE UNITS ROOFCURB INSTALLATION (Full Perimeter)



[] Designates Metric Conversions

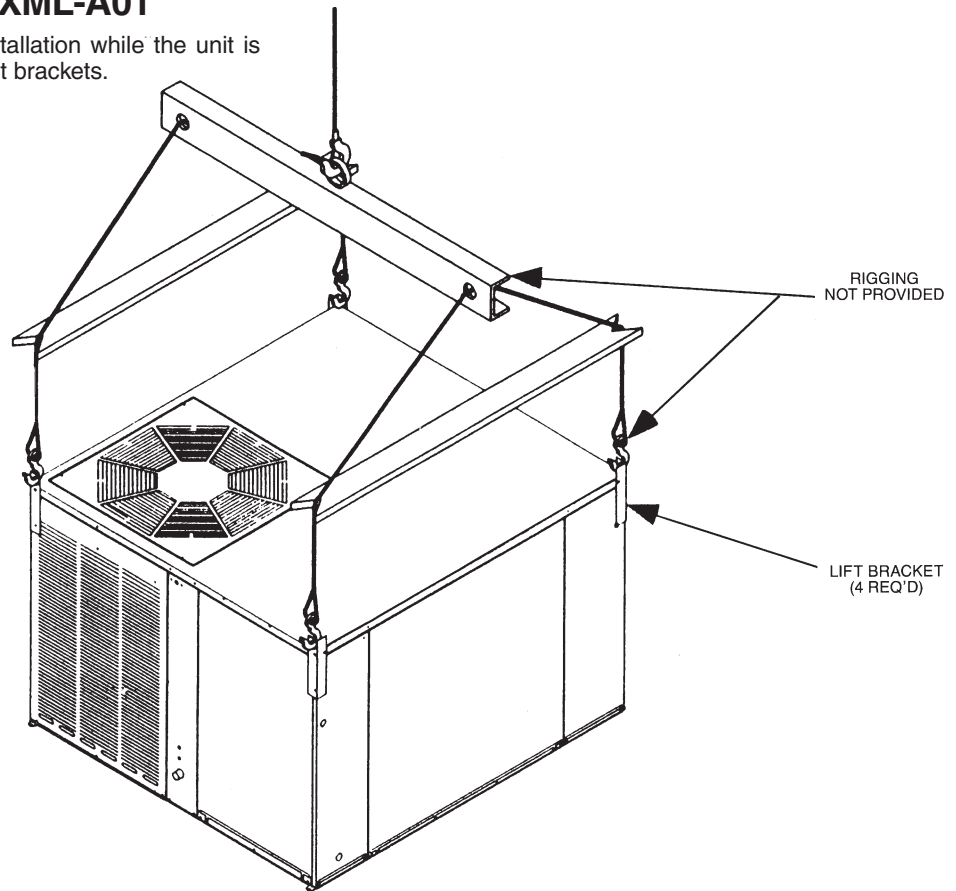
ROOFCURB ADAPTERS

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



LIFT KIT—MODEL NO. RXML-A01

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



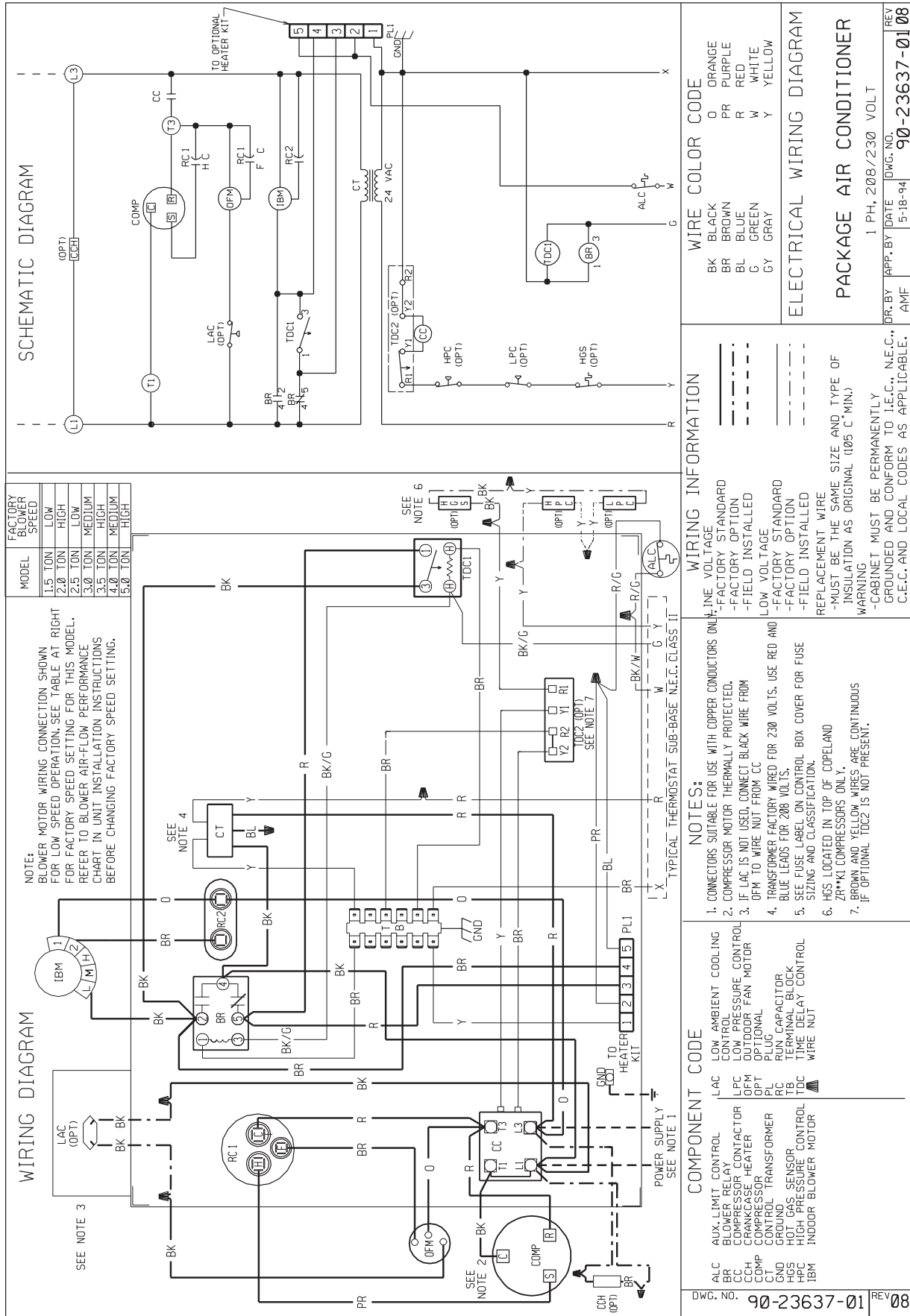
ELECTRIC HEATER KITS—RSKA/RSMA/RSNA-

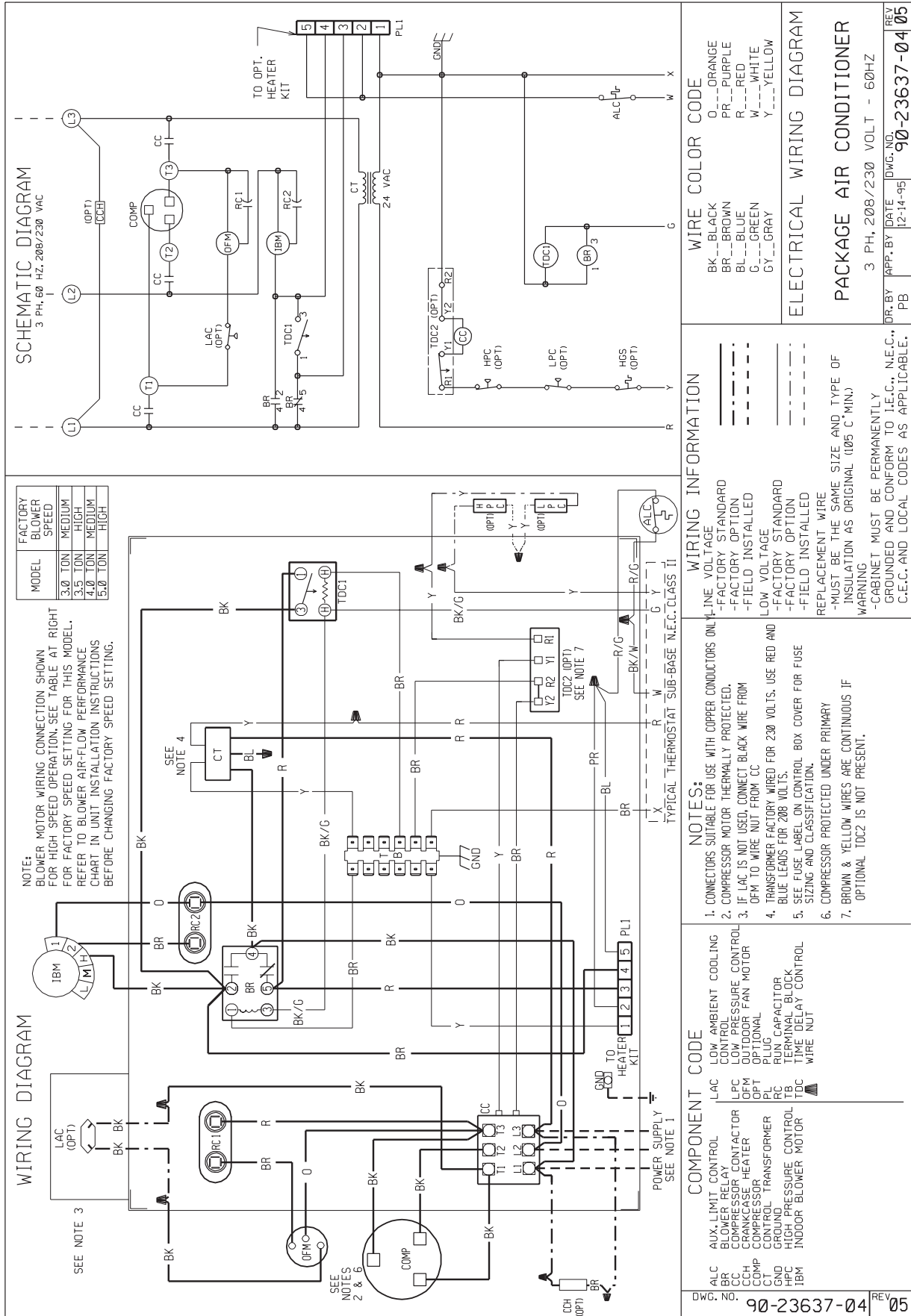
Unit Model Application	Electric Heater Kit Models	Country
RSKA/RSMA-A018JK	RXQJ-A03J (208-240 volt, 1-ph, 3kW)	USA & Canada
	RXQJ-A05J (208-240 volt, 1-ph, 5kW)	USA & Canada
	RXQJ-A06J (208-240 volt, 1-ph, 6kW)	USA & Canada
	RXQJ-A08J (208-240 volt, 1-ph, 8kW)	USA & Canada
RSKA/RSMA/RSNA-A024JK	RXQJ-A03J (208-240 volt, 1-ph, 3kW)	USA & Canada
	RXQJ-A05J (208-240 volt, 1-ph, 5kW)	USA & Canada
	RXQJ-A06J (208-240 volt, 1-ph, 6kW)	USA & Canada
	RXQJ-A08J (208-240 volt, 1-ph, 8kW)	USA & Canada
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)	USA Only
	RXQJ-A11J (208-240 volt, 1-ph, 10kW-Canadian)	USA & Canada
RSKA/RSMA/RSNA-A030JK	RXQJ-A03J (208-240 volt, 1-ph, 3kW)	USA & Canada
	RXQJ-A05J (208-240 volt, 1-ph, 5kW)	USA & Canada
	RXQJ-A06J (208-240 volt, 1-ph, 6kW)	USA & Canada
	RXQJ-A08J (208-240 volt, 1-ph, 8kW)	USA & Canada
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)	USA Only
	RXQJ-A11J (208-240 volt, 1-ph, 10kW-Canadian)	USA & Canada
RSKA/RSMA/RSNA-A036JK	RXQJ-A06J (208-240 volt, 1-ph, 6kW)	USA & Canada
	RXQJ-A08J (208-240 volt, 1-ph, 8kW)	USA & Canada
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)	USA Only
	RXQJ-A11J (208-240 volt, 1-ph, 10kW-Canadian)	USA & Canada
	RXQJ-A15J (208-240 volt, 1-ph, 15kW)	USA Only
	RXQJ-A16J (208-240 volt, 1-ph, 15kW-Canadian)	USA & Canada
RSKA/RSMA-A042JK	RXQJ-A06J (208-240 volt, 1-ph, 6kW)	USA & Canada
	RXQJ-A08J (208-240 volt, 1-ph, 8kW)	USA & Canada
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)	USA Only
	RXQJ-A11J (208-240 volt, 1-ph, 10kW-Canadian)	USA & Canada
	RXQJ-A15J (208-240 volt, 1-ph, 15kW)	USA Only
	RXQJ-A16J (208-240 volt, 1-ph, 15kW-Canadian)	USA & Canada
RSKA/RSMA-A048JK RSKA-A060JK	RXQJ-A06J (208-240 volt, 1-ph, 6kW)	USA & Canada
	RXQJ-A08J (208-240 volt, 1-ph, 8kW)	USA & Canada
	RXQJ-B10J (208-240 volt, 1-ph, 10kW)	USA Only
	RXQJ-B11J (208-240 volt, 1-ph, 10kW-Canadian)	USA & Canada
	RXQJ-B15J (208-240 volt, 1-ph, 15kW)	USA Only
	RXQJ-B16J (208-240 volt, 1-ph, 15kW-Canadian)	USA & Canada
RSKA/RSMA/RSNA-A036CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)	USA & Canada
	RXQJ-A12C (208-240 volt, 3-ph, 12kW)	USA Only
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)	USA Only
	RXQJ-A16C (208-240 volt, 3-ph, 15kW-Canadian)	USA & Canada
RSKA/RSMA-A042CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)	USA & Canada
	RXQJ-A12C (208-240 volt, 3-ph, 12kW)	USA Only
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)	USA Only
	RXQJ-A16C (208-240 volt, 3-ph, 15kW-Canadian)	USA & Canada
RSKA/RSMA-A048CK RSKA-A060CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)	USA & Canada
	RXQJ-A12C (208-240 volt, 3-ph, 12kW)	USA Only
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)	USA Only
	RXQJ-A16C (208-240 volt, 3-ph, 15kW-Canadian)	USA & Canada

[] Designates Metric Conversions

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.







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

GENERAL TERMS OF LIMITED WARRANTY

Rheem will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

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

Condenser Coil and Evaporator Coil leaks caused by factory defectsFive (5) Years
Compressor (1 Phase, 12-SEER models)Ten (10) Years
Compressor (3 Phase models)Five (5) Years
*Any Other PartOne (1) Year

*All other parts and components carry a limited warranty of five years, provided they are single-phase products installed in a residential application.

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

**RHEEM
AIR CONDITIONING
DIVISION**

5600 Old Greenwood Road, Fort Smith, Arkansas 72908



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