

Package Air Conditioner
RSPM Series

Ruud Commercial Achiever® Series Package Air Conditioner



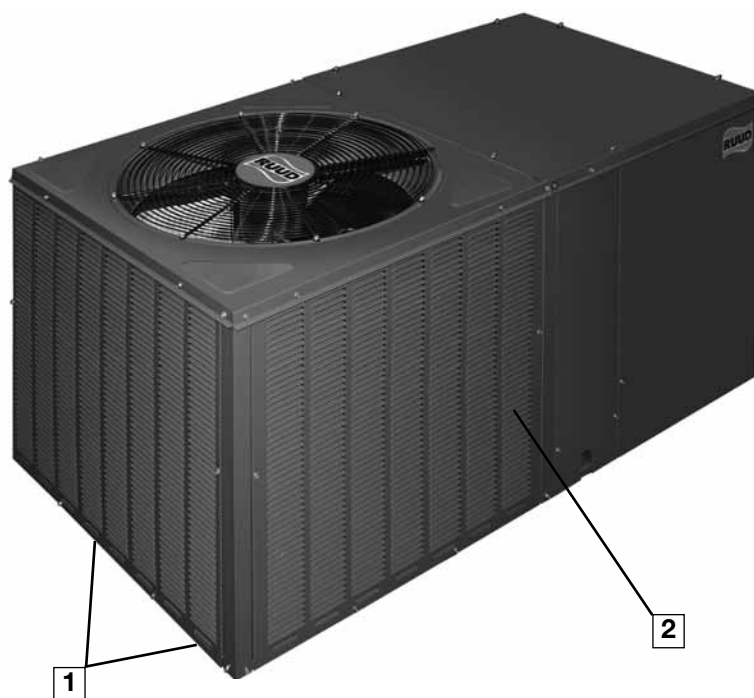
RSPM- 14-SEER Series

Nominal Sizes 2-5 Tons [7-17.6 kW]



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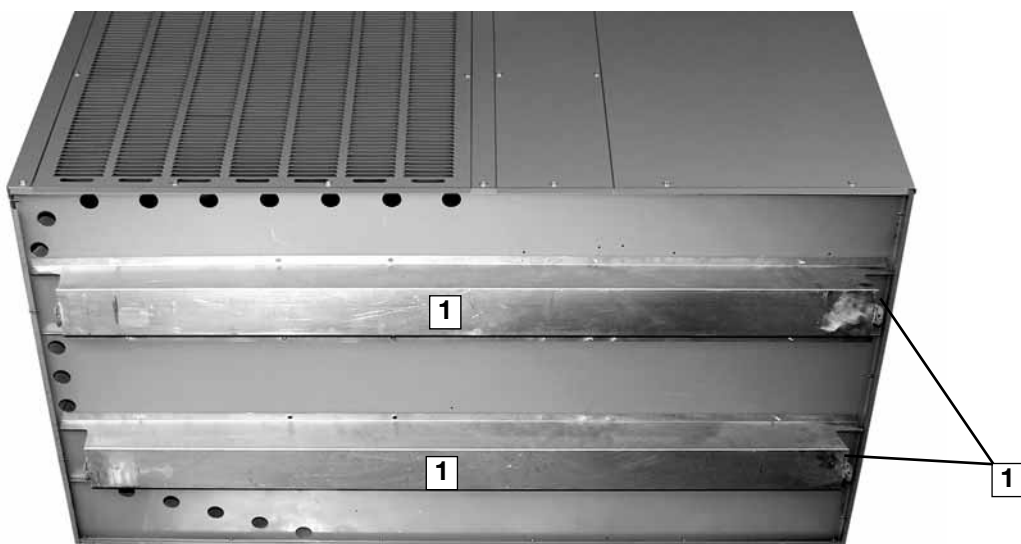
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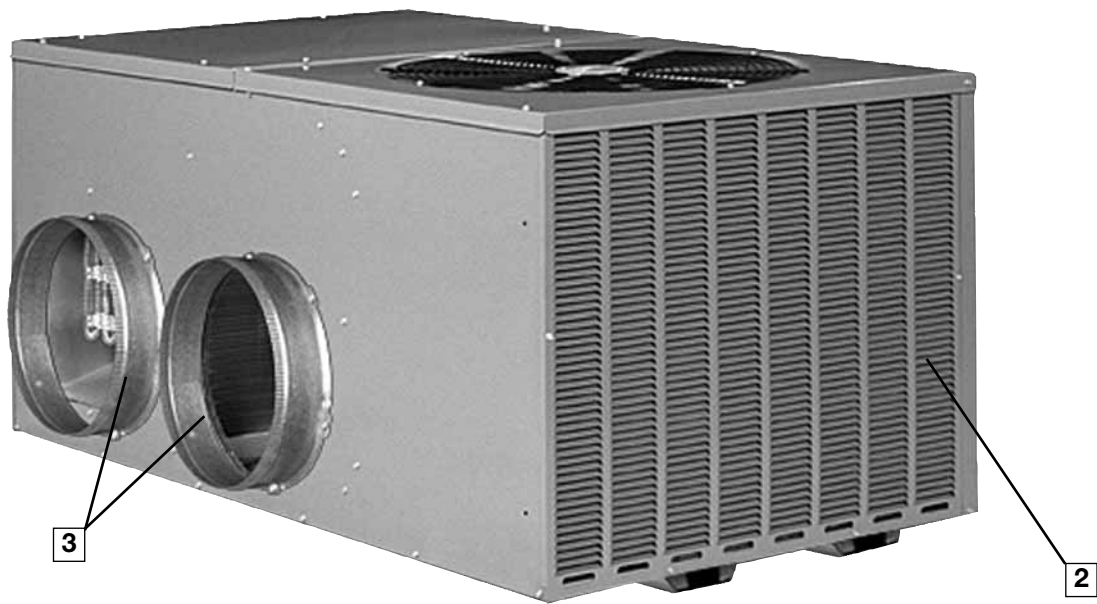


The RSPM series of Package Air Conditioners are designed to be the most efficient, quickest to install, easiest to service, and most reliable units in the industry - while still maintaining an affordable price. This platform provides you with a full line of nominal capacities from 2 through 5 tons utilizing earth-friendly R-410A refrigerant. This unit is suitable for use in mobile homes, manufactured housing and conventionally constructed residential and commercial buildings where horizontally-ducted systems are preferred. RSPM models are 14 SEER, each AHRI-certified.

As with all units offered by Ruud, we started our design process with input from the customer. From fan grille to the base rails, Ruud has combined 30 years worth of package unit design experience with input from Dealers to meet the latest application requirements.

Starting at the bottom, the base rails (1) allow for separation between the unit base and the ground level, protecting the base from ground moisture and providing air circulation around the unit. Constructed from sturdy 14-gauge G-90 sheet metal, the base rails also allow for easier maneuverability during installation.

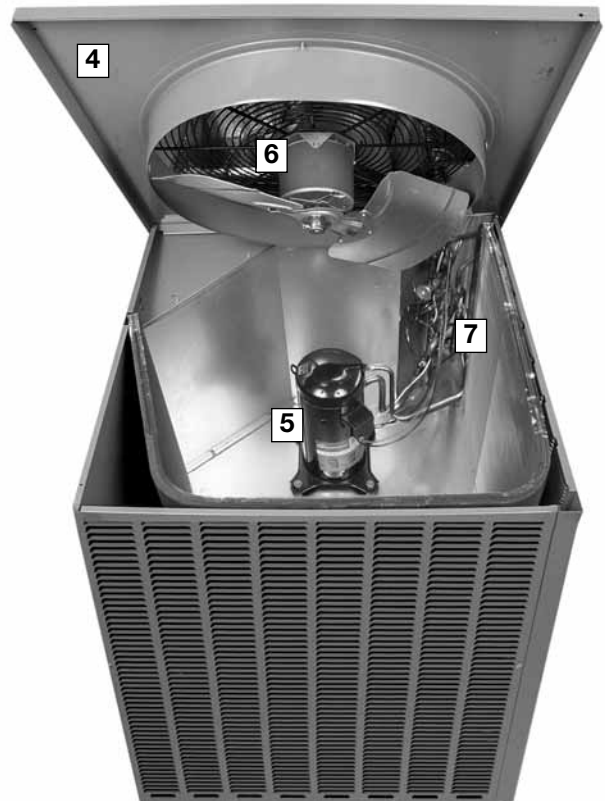


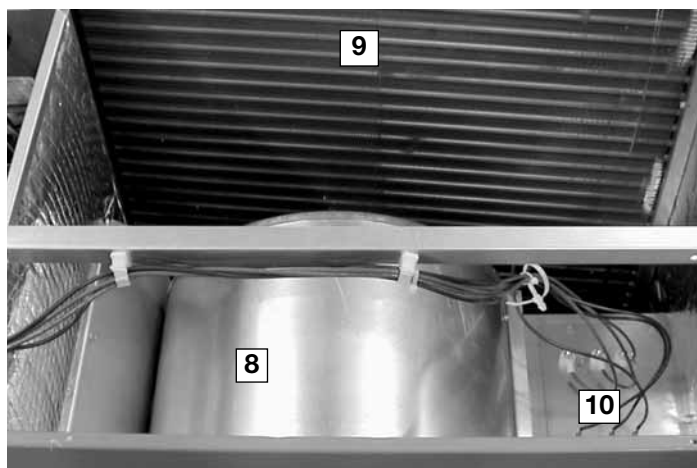


To provide flexibility in space-limited installations, the unit can be installed flush to the structure without blocking airflow over the outdoor coil or making any screws inaccessible for maintenance. Furthermore, the cabinet is a slim 33" wide. Full-louver coil protection (2) makes Ruud unique in the industry and also totally protects the outdoor coil from vandalism and weather extremes.

Two round 14" duct collar (3) are included with the unit, which makes attaching duct a snap. The collar is crimped around the leading edge, making it easier to install duct onto the collar. A metal bead around the circumference prevents the attached ducting from sliding off after installation.

Keeping service technicians in mind, Rheem takes pride providing easy access to internal components. The outdoor-section top cover (4) is easily removed to allow access to the scroll compressor (5), outdoor fan motor (6), and refrigerant tubing (7).

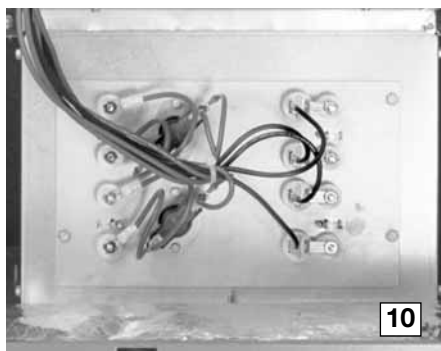




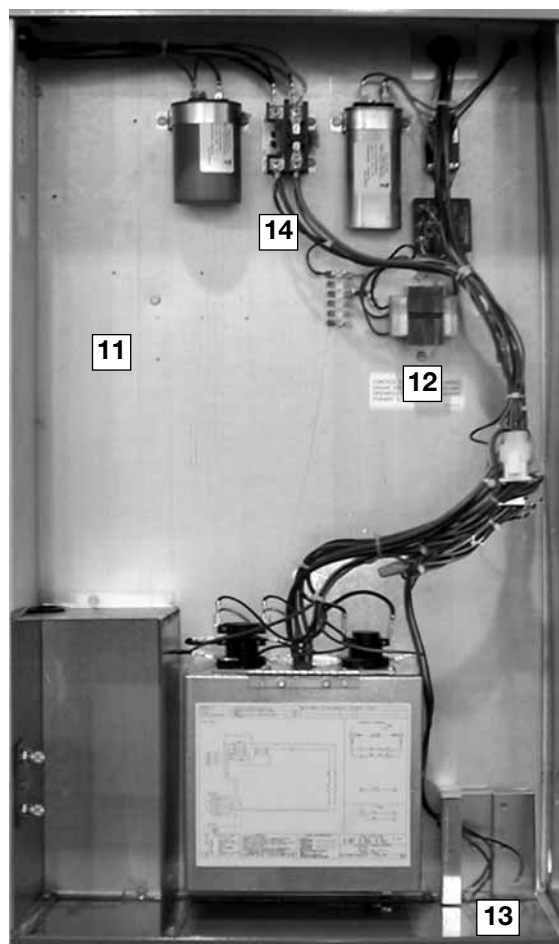
The indoor-section top cover also easily opens to access the removable blower housing and motor (8). This also gains total access to the indoor coil for cleaning and service (9).

The indoor motor and blower system will achieve nominal 400 CFM per ton up to a minimum of .8 inches of static pressure, which helps to eliminate customer dissatisfaction over poor airflow brought about by high-static duct designs.

Optional electric heat (10) can be specified as factory installed, or can be easily installed in the field, with either dual- or single-point power connections.

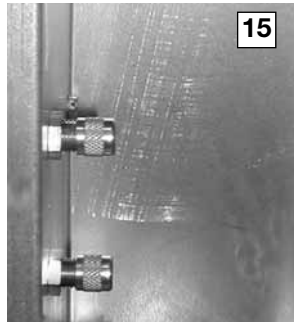


The controls are located in a large, easy-to-access control box (11), which provides plenty of space in which to troubleshoot. The transformer (12) is protected by an in-line fuse, which protects the transformer during a low-voltage electrical short. The low-voltage (13) and high-voltage (14) wiring connections are easily accessed and have ample room around which to maneuver. Troubleshooting is further aided with number- and color-coded wiring, which corresponds with the large, easy-to-read wiring diagram located on the inside of the control box access panel.



Unit Features & Benefits
RSPM Series

High and low refrigerant pressure can easily and accurately be measured using the two gauge ports (15) located inside the control box.



Foil-faced insulation is securely glued and captured to the cabinet. On the base of the unit, closed-cell insulation is used to prevent moisture from being absorbed and help reduce mold content to provide better indoor air quality.

For reliability and long-lasting operation, Ruud uses 100% scroll compressor technology (18) on all package platforms. With over 12 years of history, the scroll compressor has proven to be reliable, efficient, and quiet during operation.

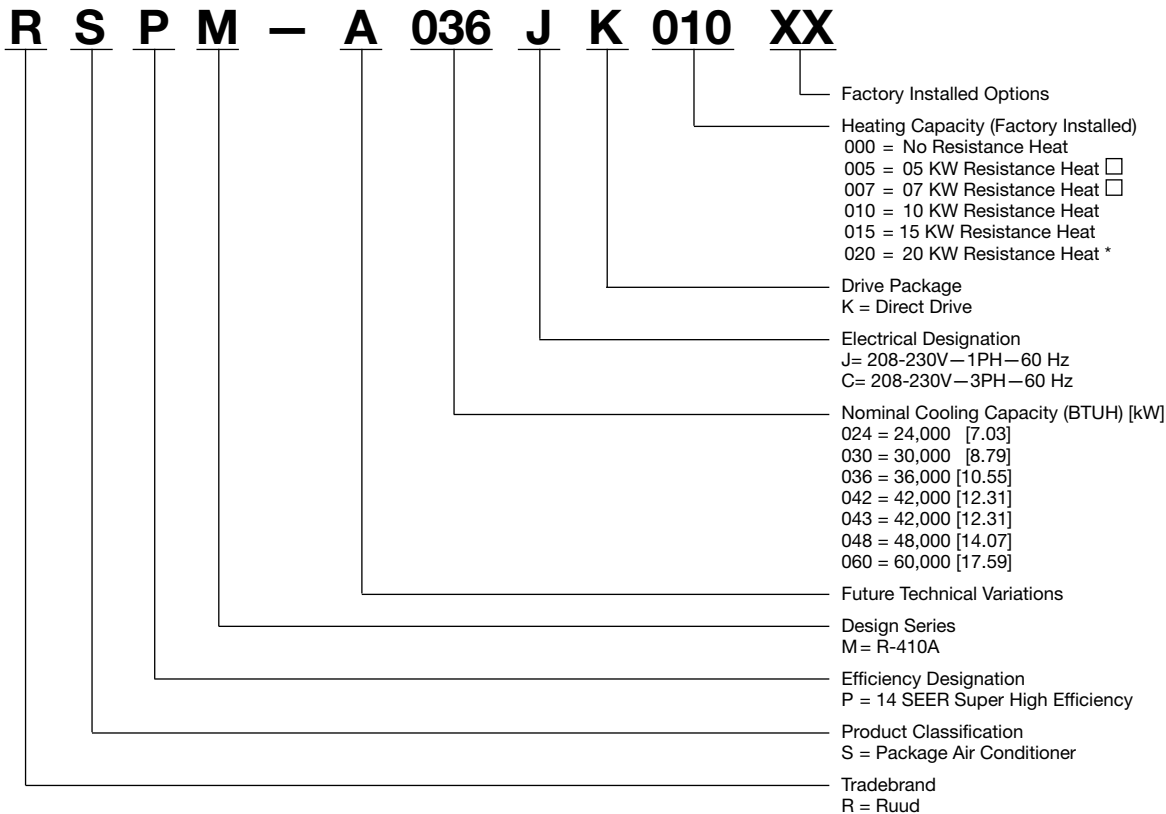


A small side panel grants access to a removable, sloped drain pan (16), which helps to ensure indoor air quality (IAQ) throughout the life of the unit. A 3/4" drain trap (17) assembly is provided for convenience.



"Patent 7,430,877"





Not available in 3 phase models.
*Available in 3¹/₂, 4 and 5 ton models.

[] Designates Metric Conversions

Instructions for Factory Installed Option(s) Selection

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

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

FACTORY INSTALLED OPTION CODES

Option Codes	Description
AU	Tin Plated Hairpin Coil
115	For Export Only

"x" indicates factory installed option.

Example: No Option

RSPM-A036JK010

Example: Option with Stainless Steel Heat Exchanger

RSPM-A036JK010AU

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

NOMINAL SIZES 2-5 TON [7-17.6 kW]

Model RSPM- Series	A024JK	A030JK	A036CK	A036JK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	25,200 [7.38]	30,400 [8.91]	37,600 [11.02]	37,600 [11.02]
EER/SEER ²	12.4/14	12.25/14	12.2/14	12.2/14
Nominal CFM/AHRI Rated CFM [L/s]	800/800 [378/378]	1000/1000 [472/472]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	24,200 [7.09]	29,200 [8.56]	36,200 [10.61]	36,200 [10.61]
Net Sensible Capacity Btu [kW]	18,800 [5.51]	23,000 [6.74]	27,700 [8.12]	27,700 [8.12]
Net Latent Capacity Btu [kW]	5,400 [1.58]	6,200 [1.82]	8,500 [2.49]	8,500 [2.49]
Net System Power kW	1.95	2.38	2.97	2.97
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	10.44 [0.97]	12.64 [1.17]	12.65 [1.18]	12.65 [1.18]
Rows / FPI [FPcm]	1 / 20 [8]	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]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	4.33 [0.4]	4.33 [0.4]	4.33 [0.4]	4.33 [0.4]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm] ⁴	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]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3400 [1604]	3400 [1604]	3400 [1604]	3400 [1604]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	875	875	875	875
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/2	Direct/2	Direct/2	Direct/2
No. Motors	1	1	1	1
Motor HP	1/4	1/3	1/2	1/2
Motor RPM (Nominal)	1050	1050	1050	1050
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x20x16 [25x508x406]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g] (R-410A)	70 [1984]	78 [2211]	78 [2211]	78 [2211]
Weights				
Net Weight lbs. [kg]	304 [138]	306 [139]	309 [140]	309 [140]
Ship Weight lbs. [kg]	328 [149]	330 [150]	333 [151]	333 [151]

[] Designates Metric Conversions

NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to ±20% of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. EER and/or SEER are rated at AHRI conditions and in accordance with DOE test procedures.
3. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.
4. Standard 3/4" PVC P-Trap provided.

NOMINAL SIZES 2-5 TONS [7-17.6 kW]

Model RSPM- Series	A042CK	A042JK	A043CK	A043JK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	43,500 [12.75]	43,500 [12.75]	43,000 [12.6]	43,000 [12.6]
EER/SEER ²	11.85/14	11.85/14	12/14	12/14
Nominal CFM/AHRI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
AHRI Net Cooling Capacity Btu [kW]	42,000 [12.31]	42,000 [12.31]	42,000 [12.31]	42,000 [12.31]
Net Sensible Capacity Btu [kW]	32,500 [9.52]	32,500 [9.52]	32,000 [9.38]	32,000 [9.38]
Net Latent Capacity Btu [kW]	9,500 [2.78]	9,500 [2.78]	10,000 [2.93]	10,000 [2.93]
Net System Power kW	3.53	3.53	3.5	3.5
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	12.65 [1.18]	12.65 [1.18]	12.65 [1.18]	12.65 [1.18]
Rows / FPI [FPcm]	1 / 22 [9]	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]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.78 [0.54]	5.78 [0.54]	5.78 [0.54]	5.78 [0.54]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm] ⁴	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]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3400 [1604]	3400 [1604]	3400 [1604]	3400 [1604]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	875	875	850	850
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x9 [279.4x228.6]	1/11x9 [279.4x228.6]	1/11x9 [279x229]	1/11x9 [279x229]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/2	Direct/2
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM (Nominal)	1050	1050	1075	1075
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g] (R-410A)	86 [2438]	86 [2438]	86 [2438]	86 [2438]
Weights				
Net Weight lbs. [kg]	333 [151]	333 [151]	333 [151]	333 [151]
Ship Weight lbs. [kg]	357 [162]	357 [162]	357 [162]	357 [162]

[] Designates Metric Conversions

NOTES:

- Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to ±20% of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
- EER and/or SEER are rated at AHRI conditions and in accordance with DOE test procedures.
- Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.
- Standard 3/4" PVC P-Trap provided.

NOMINAL SIZES 2-5 TONS [7-17.6 kW]

Model RSPM- Series	A048CK	A048JK	A060CK	A060JK
Cooling Performance¹				
Gross Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	64,000 [18.75]	64,000 [18.75]
EER/SEER ²	12.6/14	12.6/14	12.35/14	12.35/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	2000/1900 [944/897]	2000/1900 [944/897]
AHRI Net Cooling Capacity Btu [kW]	47,000 [13.77]	47,000 [13.77]	61,000 [17.87]	61,000 [17.87]
Net Sensible Capacity Btu [kW]	36,400 [10.67]	36,400 [10.67]	45,500 [13.33]	45,500 [13.33]
Net Latent Capacity Btu [kW]	10,600 [3.11]	10,600 [3.11]	15,500 [4.54]	15,500 [4.54]
Net System Power kW	3.61	3.61	4.94	4.94
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³				
	78	78	78	78
Outdoor Coil—Fin Type				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.54 [1.54]	16.54 [1.54]	16.54 [1.54]	16.54 [1.54]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.78 [0.54]	5.78 [0.54]	5.78 [0.54]	5.78 [0.54]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm] ⁴	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type				
Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4200 [1982]	4200 [1982]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type				
Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x9 [279.4x228.6]	1/11x9 [279.4x228.6]	1/11x9 [279.4x228.6]	1/11x9 [279.4x228.6]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/2	Direct/2
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
Motor RPM (Nominal)	1050	1050	1050	1050
Motor Frame Size	48	48	48	48
Filter—Type				
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] (R-410A)				
	114 [3232]	114 [3232]	178 [5046]	178 [5046]
Weights				
Net Weight lbs. [kg]	349 [158]	349 [158]	364 [165]	364 [165]
Ship Weight lbs. [kg]	375 [170]	375 [170]	390 [177]	390 [177]

[] Designates Metric Conversions

NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to ±20% of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. EER and/or SEER are rated at AHRI conditions and in accordance with DOE test procedures.
3. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.
4. Standard 3/4" PVC P-Trap provided.

GROSS SYSTEMS PERFORMANCE DATA—RSPM-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]		960 [453]	800 [378]	640 [302]	960 [453]	800 [378]	640 [302]	960 [453]	800 [378]	640 [302]	
DR ①		.10	.06	.01	.10	.06	.01	.10	.06	.01	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	30.9 [9.06]	29.8 [8.73]	28.7 [8.41]	29.0 [8.50]	28.0 [8.21]	26.9 [7.88]	27.3 [8.00]	26.4 [7.74]	25.4 [7.44]
		Sens BTUH [kW]	19.4 [5.69]	17.8 [5.22]	16.1 [4.72]	22.9 [6.71]	20.9 [6.13]	19.0 [5.57]	26.3 [7.71]	24.0 [7.03]	21.8 [6.39]
		Power	1.4	1.3	1.3	1.4	1.3	1.3	1.4	1.3	1.3
	80 [26.7]	Total BTUH [kW]	30.2 [8.85]	29.2 [8.56]	28.1 [8.24]	28.3 [8.29]	27.3 [8.00]	26.3 [7.71]	26.7 [7.83]	25.7 [7.53]	24.8 [7.27]
		Sens BTUH [kW]	19.1 [5.60]	17.5 [5.13]	15.9 [4.66]	22.6 [6.62]	20.7 [6.07]	18.7 [5.48]	26.0 [7.62]	23.7 [6.95]	21.5 [6.30]
		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]	29.5 [8.65]	28.5 [8.35]	27.4 [8.03]	27.6 [8.09]	26.6 [7.80]	25.7 [7.53]	26.0 [7.62]	25.1 [7.36]	24.1 [7.06]
		Sens BTUH [kW]	18.8 [5.51]	17.2 [5.04]	15.6 [4.57]	22.3 [6.54]	20.4 [5.98]	18.5 [5.42]	25.6 [7.50]	23.5 [6.89]	21.3 [6.24]
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
90 [32.2]	Total BTUH [kW]	28.8 [8.44]	27.7 [8.12]	26.7 [7.83]	26.8 [7.85]	25.9 [7.59]	25.0 [7.33]	25.2 [7.39]	24.3 [7.12]	23.4 [6.86]	
	Sens BTUH [kW]	18.5 [5.42]	16.9 [4.95]	15.3 [4.48]	21.9 [6.42]	20.1 [5.89]	18.2 [5.33]	25.2 [7.39]	23.1 [6.77]	21.0 [6.15]	
	Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
95 [35]	Total BTUH [kW]	27.9 [8.18]	27.0 [7.91]	26.0 [7.62]	26.0 [7.62]	25.1 [7.36]	24.2 [7.09]	24.4 [7.15]	23.5 [6.89]	22.7 [6.65]	
	Sens BTUH [kW]	18.1 [5.30]	16.6 [4.86]	15.0 [4.40]	21.6 [6.33]	19.7 [5.77]	17.9 [5.25]	24.4 [7.15]	22.9 [6.71]	20.7 [6.07]	
	Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
100 [37.8]	Total BTUH [kW]	27.1 [7.94]	26.1 [7.65]	25.2 [7.39]	25.2 [7.39]	24.3 [7.12]	23.4 [6.86]	23.5 [6.89]	22.7 [6.65]	21.9 [6.42]	
	Sens BTUH [kW]	17.7 [5.19]	16.2 [4.75]	14.7 [4.31]	21.1 [6.18]	19.3 [5.66]	17.5 [5.13]	23.5 [6.89]	22.4 [6.56]	20.3 [5.95]	
	Power	1.8	1.8	1.7	1.8	1.8	1.7	1.8	1.8	1.7	
105 [40.6]	Total BTUH [kW]	26.1 [7.65]	25.2 [7.39]	24.3 [7.12]	24.2 [7.09]	23.4 [6.86]	22.5 [6.59]	22.6 [6.62]	21.8 [6.39]	21.0 [6.15]	
	Sens BTUH [kW]	17.2 [5.04]	15.7 [4.60]	14.3 [4.19]	20.7 [6.07]	18.9 [5.54]	17.2 [5.04]	22.6 [6.62]	21.8 [6.39]	19.9 [5.83]	
	Power	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.8	
110 [43.3]	Total BTUH [kW]	25.1 [7.36]	24.2 [7.09]	23.4 [6.86]	23.2 [6.80]	22.4 [6.56]	21.6 [6.33]	21.6 [6.33]	20.8 [6.10]	20.1 [5.89]	
	Sens BTUH [kW]	16.7 [4.89]	15.3 [4.48]	13.8 [4.04]	20.2 [5.92]	18.4 [5.39]	16.7 [4.89]	21.6 [6.33]	20.8 [6.10]	19.5 [5.71]	
	Power	2.0	1.9	1.9	2.0	1.9	1.9	2.0	1.9	1.9	
115 [46.1]	Total BTUH [kW]	24.0 [7.03]	23.2 [6.80]	22.3 [6.54]	22.1 [6.48]	21.4 [6.27]	20.6 [6.04]	20.5 [6.01]	19.8 [5.80]	19.1 [5.60]	
	Sens BTUH [kW]	16.1 [4.72]	14.7 [4.31]	13.3 [3.90]	19.6 [5.74]	17.9 [5.25]	16.2 [4.75]	20.5 [6.01]	19.8 [5.80]	19.0 [5.57]	
	Power	2.1	2.0	2.0	2.1	2.0	2.0	2.1	2.0	2.0	

GROSS SYSTEMS PERFORMANCE DATA—RSPM-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]		1200 [566]	1000 [472]	800 [378]	1200 [566]	1000 [472]	800 [378]	1200 [566]	1000 [472]	800 [378]	
DR ①		.11	.07	.02	.11	.07	.02	.11	.07	.02	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	37.8 [11.08]	36.5 [10.70]	35.1 [10.29]	35.0 [10.26]	33.8 [9.91]	32.6 [9.55]	33.1 [9.70]	31.9 [9.35]	30.7 [9.00]
		Sens BTUH [kW]	23.5 [6.89]	21.5 [6.30]	19.5 [5.71]	27.8 [8.15]	25.4 [7.44]	23.1 [6.77]	31.0 [9.09]	28.4 [8.32]	25.8 [7.56]
		Power	1.7	1.6	1.6	1.7	1.6	1.6	1.7	1.6	1.6
	80 [26.7]	Total BTUH [kW]	37.2 [10.90]	35.9 [10.52]	34.6 [10.14]	34.4 [10.08]	33.2 [9.73]	32.0 [9.38]	32.5 [9.52]	31.4 [9.20]	30.2 [8.85]
		Sens BTUH [kW]	23.3 [6.83]	21.3 [6.24]	19.3 [5.66]	27.7 [8.12]	25.3 [7.41]	22.9 [6.71]	31.0 [9.09]	28.3 [8.29]	25.6 [7.50]
		Power	1.8	1.7	1.7	1.8	1.7	1.7	1.8	1.7	1.7
	85 [29.4]	Total BTUH [kW]	36.4 [10.67]	35.1 [10.29]	33.8 [9.91]	33.6 [9.85]	32.4 [9.50]	31.2 [9.14]	31.7 [9.29]	30.6 [8.97]	29.4 [8.62]
		Sens BTUH [kW]	23.0 [6.74]	21.0 [6.15]	19.1 [5.60]	27.3 [8.00]	25.0 [7.33]	22.7 [6.65]	30.7 [9.00]	28.0 [8.21]	25.4 [7.44]
		Power	1.9	1.8	1.8	1.9	1.8	1.8	1.9	1.8	1.8
90 [32.2]	Total BTUH [kW]	35.3 [10.35]	34.1 [9.99]	32.9 [9.64]	32.6 [9.55]	31.4 [9.20]	30.3 [8.88]	30.6 [8.97]	29.6 [8.67]	28.5 [8.35]	
	Sens BTUH [kW]	22.5 [6.59]	20.6 [6.04]	18.7 [5.48]	26.9 [7.88]	24.6 [7.21]	22.3 [6.54]	30.1 [8.82]	27.6 [8.09]	25.0 [7.33]	
	Power	2.0	2.0	1.9	2.0	2.0	1.9	2.0	2.0	1.9	
95 [35]	Total BTUH [kW]	34.2 [10.02]	33.0 [9.67]	31.8 [9.32]	31.4 [9.20]	30.3 [8.88]	29.2 [8.56]	29.5 [8.65]	28.4 [8.32]	27.4 [8.03]	
	Sens BTUH [kW]	22.0 [6.45]	20.1 [5.89]	18.2 [5.33]	26.4 [7.74]	24.1 [7.06]	21.9 [6.42]	29.5 [8.65]	27.1 [7.94]	24.5 [7.18]	
	Power	2.1	2.1	2.0	2.1	2.1	2.0	2.1	2.1	2.0	
100 [37.8]	Total BTUH [kW]	33.0 [9.67]	31.8 [9.32]	30.7 [9.00]	30.2 [8.85]	29.1 [8.53]	28.1 [8.24]	28.3 [8.29]	27.3 [8.00]	26.3 [7.71]	
	Sens BTUH [kW]	21.4 [6.27]	19.6 [5.74]	17.8 [5.22]	25.8 [7.56]	23.6 [6.92]	21.4 [6.27]	28.3 [8.29]	26.5 [7.77]	24.1 [7.06]	
	Power	2.2	2.2	2.1	2.2	2.2	2.1	2.2	2.2	2.1	
105 [40.6]	Total BTUH [kW]	31.8 [9.32]	30.7 [9.00]	29.6 [8.67]	29.0 [8.50]	28.0 [8.21]	27.0 [7.91]	27.1 [7.94]	26.1 [7.65]	25.2 [7.39]	
	Sens BTUH [kW]	20.8 [6.10]	19.1 [5.60]	17.3 [5.07]	25.2 [7.39]	23.0 [6.74]	20.9 [6.13]	27.1 [7.94]	26.0 [7.62]	23.6 [6.92]	
	Power	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.2	
110 [43.3]	Total BTUH [kW]	30.7 [9.00]	29.7 [8.70]	28.6 [8.38]	28.0 [8.21]	27.0 [7.91]	26.0 [7.62]	26.0 [7.62]	25.1 [7.36]	24.2 [7.09]	
	Sens BTUH [kW]	20.3 [5.95]	18.6 [5.45]	16.8 [4.92]	24.6 [7.21]	22.5 [6.59]	20.4 [5.98]	26.0 [7.62]	25.1 [7.36]	23.1 [6.77]	
	Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.4	2.3	
115 [46.1]	Total BTUH [kW]	29.8 [8.73]	28.8 [8.44]	27.8 [8.15]	27.1 [7.94]	26.1 [7.65]	25.2 [7.39]	25.1 [7.36]	24.3 [7.12]	23.4 [6.86]	
	Sens BTUH [kW]	19.8 [5.80]	18.1 [5.30]	16.4 [4.81]	24.2 [7.09]	22.1 [6.48]	20.0 [5.86]	25.1 [7.36]	24.3 [7.12]	22.7 [6.65]	
	Power	2.5	2.5	2.4	2.5	2.5	2.4	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—RSPM-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]		1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	
DR ①		.12	.09	.04	.12	.09	.04	.12	.09	.04	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	34.5 [10.11] 21.1 [6.18] 2.1	33.3 [9.76] 19.3 [5.66] 2.0	32.0 [9.38] 17.5 [5.13] 2.0	31.6 [9.26] 26.6 [7.80] 2.1	30.5 [8.94] 24.3 [7.12] 2.0	29.4 [8.62] 22.1 [6.48] 2.0	29.1 [8.53] 29.1 [8.53] 2.0	28.1 [8.24] 28.1 [8.24] 2.0	27.1 [7.94] 26.1 [7.65] 2.0
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	43.1 [12.63] 26.6 [7.80] 2.2	41.6 [12.19] 24.3 [7.12] 2.2	40.1 [11.75] 22.0 [6.45] 2.1	40.3 [11.81] 32.1 [9.41] 2.2	38.9 [11.40] 29.3 [8.59] 2.2	37.5 [10.99] 26.6 [7.80] 2.1	37.8 [11.08] 37.8 [11.08] 2.2	36.4 [10.67] 36.4 [10.67] 2.1	35.1 [10.29] 30.6 [8.97] 2.1
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	46.1 [13.51] 28.6 [8.38] 2.3	44.5 [13.04] 26.2 [7.68] 2.3	42.9 [12.57] 23.7 [6.95] 2.3	43.3 [12.69] 34.1 [9.99] 2.3	41.8 [12.25] 31.2 [9.14] 2.3	40.3 [11.81] 28.3 [8.29] 2.3	40.8 [11.96] 40.8 [11.96] 2.3	39.4 [11.55] 39.4 [11.55] 2.3	37.9 [11.11] 32.3 [9.47] 2.2
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	45.1 [13.22] 28.2 [8.26] 2.5	43.6 [12.78] 25.8 [7.56] 2.4	42.0 [12.31] 23.4 [6.86] 2.4	42.3 [12.40] 33.7 [9.88] 2.5	40.8 [11.96] 30.8 [9.03] 2.4	39.4 [11.55] 27.9 [8.18] 2.4	39.8 [11.66] 39.8 [11.66] 2.5	38.4 [11.25] 38.4 [11.25] 2.4	37.0 [10.84] 31.9 [9.35] 2.4
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	41.7 [12.22] 26.3 [7.71] 2.6	40.3 [11.81] 24.0 [7.03] 2.6	38.8 [11.37] 21.8 [6.39] 2.5	38.9 [11.40] 31.8 [9.32] 2.6	37.6 [11.02] 29.1 [8.53] 2.6	36.2 [10.61] 26.4 [7.74] 2.5	36.4 [10.67] 36.4 [10.67] 2.6	35.1 [10.29] 35.1 [10.29] 2.5	33.8 [9.91] 30.4 [8.91] 2.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	37.6 [11.02] 23.9 [7.00] 2.8	36.3 [10.64] 21.9 [6.42] 2.7	34.9 [10.23] 19.8 [5.80] 2.7	34.8 [10.20] 29.4 [8.62] 2.7	33.5 [9.82] 26.9 [7.88] 2.7	32.3 [9.47] 24.4 [7.15] 2.7	32.2 [9.44] 32.2 [9.44] 2.7	31.1 [9.11] 31.1 [9.11] 2.7	30.0 [8.79] 28.4 [8.32] 2.6
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	34.3 [10.05] 22.1 [6.48] 2.9	33.1 [9.70] 20.2 [5.92] 2.8	31.9 [9.35] 18.3 [5.36] 2.8	31.5 [9.23] 27.6 [8.09] 2.9	30.4 [8.91] 25.2 [7.39] 2.8	29.3 [8.59] 22.9 [6.71] 2.8	28.9 [8.47] 28.9 [8.47] 2.9	27.9 [8.18] 27.9 [8.18] 2.8	26.9 [7.88] 26.9 [7.88] 2.8
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	33.5 [9.82] 21.8 [6.39] 3.0	32.3 [9.47] 19.9 [5.83] 3.0	31.1 [9.11] 18.0 [5.28] 2.9	30.7 [9.00] 27.3 [8.00] 3.0	29.6 [8.67] 24.9 [7.30] 3.0	28.5 [8.35] 22.6 [6.62] 2.9	28.1 [8.24] 28.1 [8.24] 3.0	27.1 [7.94] 27.1 [7.94] 3.0	26.1 [7.65] 26.1 [7.65] 2.9
115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	36.8 [10.79] 23.9 [7.00] 3.2	35.5 [10.40] 21.9 [6.42] 3.1	34.2 [10.02] 19.9 [5.83] 3.1	34.0 [9.96] 29.4 [8.62] 3.2	32.8 [9.61] 26.9 [7.88] 3.1	31.6 [9.26] 24.4 [7.15] 3.1	31.4 [9.20] 31.4 [9.20] 3.1	30.3 [8.88] 30.3 [8.88] 3.1	29.2 [8.56] 29.2 [8.56] 3.0	

GROSS SYSTEMS PERFORMANCE DATA—RSPM-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]		1680 [793]	1400 [661]	1120 [529]	1680 [793]	1400 [661]	1120 [529]	1680 [793]	1400 [661]	1120 [529]	
DR ①		.11	.07	.03	.11	.07	.03	.11	.07	.03	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	54.2 [15.88] 34.3 [10.05] 2.4	52.3 [15.33] 31.3 [9.17] 2.3	50.4 [14.77] 28.4 [8.32] 2.3	51.1 [14.98] 40.5 [11.87] 2.4	49.3 [14.45] 37.1 [10.87] 2.3	47.5 [13.92] 33.6 [9.85] 2.3	48.6 [14.24] 46.7 [13.69] 2.3	46.9 [13.75] 42.7 [12.51] 2.3	45.2 [13.25] 38.7 [11.34] 2.3
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	52.6 [15.42] 33.3 [9.76] 2.6	50.7 [14.86] 30.4 [8.91] 2.5	48.9 [14.33] 27.6 [8.09] 2.5	49.5 [14.51] 39.5 [11.58] 2.5	47.8 [14.01] 36.2 [10.61] 2.5	46.1 [13.51] 32.8 [9.61] 2.5	47.0 [13.77] 45.8 [13.42] 2.5	45.3 [13.28] 41.8 [12.25] 2.5	43.7 [12.81] 37.9 [11.11] 2.4
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	51.1 [14.98] 32.4 [9.50] 2.7	49.3 [14.45] 29.7 [8.70] 2.7	47.5 [13.92] 26.9 [7.88] 2.7	48.0 [14.07] 38.7 [11.34] 2.7	46.4 [13.60] 35.4 [10.37] 2.7	44.7 [13.10] 32.1 [9.41] 2.6	45.5 [13.33] 44.9 [13.16] 2.7	43.9 [12.87] 41.0 [12.02] 2.7	42.3 [12.40] 37.2 [10.90] 2.6
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	49.7 [14.57] 31.7 [9.29] 2.9	47.9 [14.04] 29.0 [8.50] 2.9	46.2 [13.54] 26.3 [7.71] 2.8	46.6 [13.66] 38.0 [11.14] 2.9	45.0 [13.19] 34.7 [10.17] 2.9	43.3 [12.69] 31.5 [9.23] 2.8	44.1 [12.92] 44.1 [12.92] 2.9	42.5 [12.46] 40.4 [11.84] 2.8	41.0 [12.02] 36.6 [10.73] 2.8
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	48.3 [14.16] 31.1 [9.11] 3.1	46.6 [13.66] 28.4 [8.32] 3.1	44.9 [13.16] 25.8 [7.56] 3.0	45.2 [13.25] 37.3 [10.93] 3.1	43.6 [12.78] 34.1 [9.99] 3.0	42.1 [12.34] 31.0 [9.09] 3.0	42.7 [12.51] 42.7 [12.51] 3.1	41.2 [12.07] 39.9 [11.69] 3.0	39.7 [11.63] 36.1 [10.58] 3.0
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	46.9 [13.75] 30.4 [8.91] 3.3	45.2 [13.25] 27.8 [8.15] 3.2	43.6 [12.78] 25.2 [7.39] 3.2	43.8 [12.84] 36.7 [10.76] 3.3	42.3 [12.40] 33.6 [9.85] 3.2	40.8 [11.96] 30.4 [8.91] 3.2	41.3 [12.10] 41.3 [12.10] 3.3	39.8 [11.66] 39.2 [11.49] 3.2	38.4 [11.25] 35.6 [10.43] 3.1
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	45.4 [13.31] 29.8 [8.73] 3.5	43.8 [12.84] 27.3 [8.00] 3.4	42.2 [12.37] 24.7 [7.24] 3.4	42.4 [12.43] 36.1 [10.58] 3.5	40.9 [11.99] 33.0 [9.67] 3.4	39.4 [11.55] 29.9 [8.76] 3.4	39.8 [11.66] 39.8 [11.66] 3.4	38.4 [11.25] 38.4 [11.25] 3.4	37.0 [10.84] 35.1 [10.29] 3.3
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	43.9 [12.87] 29.2 [8.56] 3.7	42.4 [12.43] 26.7 [7.83] 3.6	40.8 [11.96] 24.2 [7.09] 3.5	40.9 [11.99] 35.4 [10.37] 3.7	39.4 [11.55] 32.4 [9.50] 3.6	38.0 [11.14] 29.4 [8.62] 3.5	38.3 [11.22] 38.3 [11.22] 3.6	37.0 [10.84] 37.0 [10.84] 3.6	35.6 [10.43] 34.5 [10.11] 3.5
115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	42.3 [12.40] 28.5 [8.35] 3.8	40.8 [11.96] 26.0 [7.62] 3.8	39.3 [11.52] 23.6 [6.92] 3.7	39.3 [11.52] 34.7 [10.17] 3.8	37.9 [11.11] 31.8 [9.32] 3.8	36.5 [10.70] 28.8 [8.44] 3.7	36.7 [10.76] 36.7 [10.76] 3.8	35.4 [10.37] 35.4 [10.37] 3.7	34.1 [9.99] 33.9 [9.94] 3.7	

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—RSPM-A043CK

		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]		1680 [793]	1400 [661]	1120 [529]	1680 [793]	1400 [661]	1120 [529]	1680 [793]	1400 [661]	1120 [529]	
DR ①		.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	51.7 [15.2] 31.5 [9.2] 2.6	49.9 [14.6] 27.0 [7.9] 2.6	48.1 [14.1] 22.8 [6.7] 2.5	49.5 [14.5] 39.5 [11.6] 2.6	47.7 [14.0] 34.3 [10.1] 2.6	46.0 [13.5] 29.6 [8.7] 2.5	46.4 [13.6] 43.4 [12.7] 2.6	44.8 [13.1] 38.1 [11.2] 2.5	43.2 [12.7] 33.1 [9.7] 2.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	50.6 [14.8] 31.3 [9.2] 2.8	48.8 [14.3] 26.8 [7.9] 2.7	47.0 [13.8] 22.7 [6.7] 2.7	48.4 [14.2] 39.3 [11.5] 2.8	46.7 [13.7] 34.2 [10.0] 2.7	45.0 [13.2] 29.5 [8.7] 2.7	45.4 [13.3] 43.3 [12.7] 2.7	43.8 [12.8] 38.0 [11.1] 2.7	42.2 [12.4] 33.0 [9.7] 2.7
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	49.4 [14.5] 30.9 [9.1] 3.0	47.7 [14.0] 26.6 [7.8] 2.9	45.9 [13.5] 22.5 [6.6] 2.9	47.2 [13.8] 38.9 [11.4] 2.9	45.5 [13.3] 33.9 [9.9] 2.9	43.9 [12.9] 29.3 [8.6] 2.8	44.2 [13.0] 43.0 [12.6] 2.9	42.6 [12.5] 37.7 [11.1] 2.9	41.1 [12.0] 32.8 [9.6] 2.8
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	48.1 [14.1] 30.4 [8.9] 3.1	46.4 [13.6] 26.1 [7.7] 3.1	44.7 [13.1] 22.1 [6.5] 3.0	45.9 [13.5] 38.4 [11.3] 3.1	44.2 [13.0] 33.4 [9.8] 3.1	42.6 [12.5] 28.8 [8.5] 3.0	42.8 [12.5] 42.3 [12.4] 3.1	41.3 [12.1] 37.2 [10.9] 3.0	39.8 [11.7] 32.4 [9.5] 3.0
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	46.6 [13.7] 29.6 [8.7] 3.3	45.0 [13.2] 25.5 [7.5] 3.3	43.3 [12.7] 21.6 [6.3] 3.2	44.4 [13.0] 37.6 [11.0] 3.3	42.8 [12.5] 32.8 [9.6] 3.3	41.3 [12.1] 28.4 [8.3] 3.2	41.4 [12.1] 41.4 [12.1] 3.3	39.9 [11.7] 36.6 [10.7] 3.2	38.5 [11.3] 31.9 [9.4] 3.2
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	45.0 [13.2] 28.8 [8.5] 3.5	43.5 [12.7] 24.8 [7.3] 3.5	41.9 [12.3] 21.0 [6.2] 3.4	42.8 [12.5] 36.7 [10.8] 3.5	41.3 [12.1] 32.1 [9.4] 3.4	39.8 [11.7] 27.7 [8.1] 3.4	39.8 [11.7] 39.8 [11.7] 3.5	38.4 [11.3] 35.9 [10.5] 3.4	37.0 [10.8] 31.3 [9.2] 3.4
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	43.4 [12.7] 27.9 [8.2] 3.7	41.8 [12.3] 23.9 [7.0] 3.7	40.3 [11.8] 20.3 [6.0] 3.6	41.1 [12.0] 35.6 [10.4] 3.7	39.7 [11.6] 31.2 [9.2] 3.7	38.3 [11.2] 27.0 [7.9] 3.6	38.1 [11.2] 38.1 [11.2] 3.7	36.8 [10.8] 35.0 [10.3] 3.6	35.4 [10.4] 30.5 [8.9] 3.6
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	41.5 [12.2] 26.6 [7.8] 4.0	40.1 [11.8] 22.9 [6.7] 3.9	38.6 [11.3] 19.4 [5.7] 3.8	39.3 [11.5] 34.4 [10.1] 3.9	38.0 [11.1] 30.2 [8.9] 3.9	36.6 [10.7] 26.1 [7.7] 3.8	36.3 [10.6] 36.3 [10.6] 3.9	35.0 [10.3] 33.9 [9.9] 3.9	33.8 [9.9] 29.6 [8.7] 3.8
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	39.6 [11.6] 25.1 [7.4] 4.2	38.2 [11.2] 21.6 [6.3] 4.1	36.8 [10.8] 18.3 [5.4] 4.0	37.4 [11.0] 33.1 [9.7] 4.2	36.1 [10.6] 29.0 [8.5] 4.1	34.8 [10.2] 25.1 [7.4] 4.0	34.4 [10.1] 34.4 [10.1] 4.2	33.2 [9.7] 32.8 [9.6] 4.1	32.0 [9.4] 28.7 [8.4] 4.0

GROSS SYSTEMS PERFORMANCE DATA—RSPM-A043JK

		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]		1680 [793]	1400 [661]	1120 [529]	1680 [793]	1400 [661]	1120 [529]	1680 [793]	1400 [661]	1120 [529]	
DR ①		.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	51.7 [15.2] 31.5 [9.2] 2.6	49.9 [14.6] 27.0 [7.9] 2.6	48.1 [14.1] 22.8 [6.7] 2.5	49.5 [14.5] 39.5 [11.6] 2.6	47.7 [14.0] 34.3 [10.1] 2.6	46.0 [13.5] 29.6 [8.7] 2.5	46.4 [13.6] 43.4 [12.7] 2.6	44.8 [13.1] 38.1 [11.2] 2.5	43.2 [12.7] 33.1 [9.7] 2.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	50.6 [14.8] 31.3 [9.2] 2.8	48.8 [14.3] 26.8 [7.9] 2.7	47.0 [13.8] 22.7 [6.7] 2.7	48.4 [14.2] 39.3 [11.5] 2.8	46.7 [13.7] 34.2 [10.0] 2.7	45.0 [13.2] 29.5 [8.7] 2.7	45.4 [13.3] 43.3 [12.7] 2.7	43.8 [12.8] 38.0 [11.1] 2.7	42.2 [12.4] 33.0 [9.7] 2.7
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	49.4 [14.5] 30.9 [9.1] 3.0	47.7 [14.0] 26.6 [7.8] 2.9	45.9 [13.5] 22.5 [6.6] 2.9	47.2 [13.8] 38.9 [11.4] 2.9	45.5 [13.3] 33.9 [9.9] 2.9	43.9 [12.9] 29.3 [8.6] 2.8	44.2 [13.0] 43.0 [12.6] 2.9	42.6 [12.5] 37.7 [11.1] 2.9	41.1 [12.0] 32.8 [9.6] 2.8
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	48.1 [14.1] 30.4 [8.9] 3.1	46.4 [13.6] 26.1 [7.7] 3.1	44.7 [13.1] 22.1 [6.5] 3.0	45.9 [13.5] 38.4 [11.3] 3.1	44.2 [13.0] 33.4 [9.8] 3.1	42.6 [12.5] 28.8 [8.5] 3.0	42.8 [12.5] 42.3 [12.4] 3.1	41.3 [12.1] 37.2 [10.9] 3.0	39.8 [11.7] 32.4 [9.5] 3.0
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	46.6 [13.7] 29.6 [8.7] 3.3	45.0 [13.2] 25.5 [7.5] 3.3	43.3 [12.7] 21.6 [6.3] 3.2	44.4 [13.0] 37.6 [11.0] 3.3	42.8 [12.5] 32.8 [9.6] 3.3	41.3 [12.1] 28.4 [8.3] 3.2	41.4 [12.1] 41.4 [12.1] 3.3	39.9 [11.7] 36.6 [10.7] 3.2	38.5 [11.3] 31.9 [9.4] 3.2
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	45.0 [13.2] 28.8 [8.5] 3.5	43.5 [12.7] 24.8 [7.3] 3.5	41.9 [12.3] 21.0 [6.2] 3.4	42.8 [12.5] 36.7 [10.8] 3.5	41.3 [12.1] 32.1 [9.4] 3.4	39.8 [11.7] 27.7 [8.1] 3.4	39.8 [11.7] 39.8 [11.7] 3.5	38.4 [11.3] 35.9 [10.5] 3.4	37.0 [10.8] 31.3 [9.2] 3.4
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	43.4 [12.7] 27.9 [8.2] 3.7	41.8 [12.3] 23.9 [7.0] 3.7	40.3 [11.8] 20.3 [6.0] 3.6	41.1 [12.0] 35.6 [10.4] 3.7	39.7 [11.6] 31.2 [9.2] 3.7	38.3 [11.2] 27.0 [7.9] 3.6	38.1 [11.2] 38.1 [11.2] 3.7	36.8 [10.8] 35.0 [10.3] 3.6	35.4 [10.4] 30.5 [8.9] 3.6
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	41.5 [12.2] 26.6 [7.8] 4.0	40.1 [11.8] 22.9 [6.7] 3.9	38.6 [11.3] 19.4 [5.7] 3.8	39.3 [11.5] 34.4 [10.1] 3.9	38.0 [11.1] 30.2 [8.9] 3.9	36.6 [10.7] 26.1 [7.7] 3.8	36.3 [10.6] 36.3 [10.6] 3.9	35.0 [10.3] 33.9 [9.9] 3.9	33.8 [9.9] 29.6 [8.7] 3.8
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	39.6 [11.6] 25.1 [7.4] 4.2	38.2 [11.2] 21.6 [6.3] 4.1	36.8 [10.8] 18.3 [5.4] 4.0	37.4 [11.0] 33.1 [9.7] 4.2	36.1 [10.6] 29.0 [8.5] 4.1	34.8 [10.2] 25.1 [7.4] 4.0	34.4 [10.1] 34.4 [10.1] 4.2	33.2 [9.7] 32.8 [9.6] 4.1	32.0 [9.4] 28.7 [8.4] 4.0

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—RSPM-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]		1920 [906]	1600 [755]	1280 [604]	1920 [906]	1600 [755]	1280 [604]	1920 [906]	1600 [755]	1280 [604]	
DR ①		.12	.09	.04	.12	.09	.04	.12	.09	.04	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	61.1 [17.91]	59.0 [17.29]	56.8 [16.65]	57.3 [16.79]	55.3 [16.21]	53.3 [15.62]	54.4 [15.94]	52.5 [15.39]	50.6 [14.83]
		Sens BTUH [kW]	37.7 [11.05]	34.5 [10.11]	31.2 [9.14]	44.7 [13.10]	40.9 [11.99]	37.1 [10.87]	50.4 [14.77]	46.1 [13.51]	41.8 [12.25]
		Power	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.4
	80 [26.7]	Total BTUH [kW]	59.3 [17.38]	57.2 [16.76]	55.1 [16.15]	55.5 [16.27]	53.5 [15.68]	51.6 [15.12]	52.6 [15.42]	50.7 [14.86]	48.9 [14.33]
		Sens BTUH [kW]	37.0 [10.84]	33.9 [9.94]	30.7 [9.00]	44.1 [12.92]	40.3 [11.81]	36.5 [10.70]	49.7 [14.57]	45.5 [13.33]	41.2 [12.07]
		Power	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.5
	85 [29.4]	Total BTUH [kW]	57.6 [16.88]	55.6 [16.29]	53.5 [15.68]	53.8 [15.77]	51.9 [15.21]	50.0 [14.65]	50.9 [14.92]	49.1 [14.39]	47.3 [13.86]
		Sens BTUH [kW]	36.3 [10.64]	33.2 [9.73]	30.1 [8.82]	43.4 [12.72]	39.7 [11.63]	36.0 [10.55]	49.1 [14.39]	44.8 [13.13]	40.6 [11.90]
		Power	2.8	2.8	2.7	2.8	2.7	2.7	2.8	2.7	2.7
	90 [32.2]	Total BTUH [kW]	56.0 [16.41]	54.0 [15.83]	52.1 [15.27]	52.2 [15.30]	50.4 [14.77]	48.5 [14.21]	49.3 [14.45]	47.6 [13.95]	45.9 [13.45]
Sens BTUH [kW]		35.6 [10.43]	32.6 [9.55]	29.5 [8.65]	42.7 [12.51]	39.0 [11.43]	35.4 [10.37]	48.4 [14.18]	44.2 [12.95]	40.1 [11.75]	
Power		3.0	2.9	2.9	2.9	2.9	2.8	2.9	2.9	2.8	2.8
95 [35]	Total BTUH [kW]	54.5 [15.97]	52.6 [15.42]	50.7 [14.86]	50.7 [14.86]	48.9 [14.33]	47.2 [13.83]	47.8 [14.01]	46.2 [13.54]	44.5 [13.04]	
	Sens BTUH [kW]	34.9 [10.23]	31.9 [9.35]	28.9 [8.47]	41.9 [12.28]	38.3 [11.22]	34.8 [10.20]	47.4 [13.89]	43.5 [12.75]	39.4 [11.55]	
	Power	3.1	3.1	3.0	3.1	3.0	3.0	3.1	3.1	3.0	3.0
100 [37.8]	Total BTUH [kW]	53.1 [15.56]	51.2 [15.01]	49.4 [14.48]	49.3 [14.45]	47.6 [13.95]	45.8 [13.42]	46.4 [13.60]	44.8 [13.13]	43.1 [12.63]	
	Sens BTUH [kW]	34.1 [9.99]	31.2 [9.14]	28.3 [8.29]	41.2 [12.07]	37.7 [11.05]	34.1 [9.99]	46.4 [13.60]	42.8 [12.54]	38.8 [11.37]	
	Power	3.3	3.2	3.2	3.2	3.2	3.1	3.3	3.2	3.2	3.2
105 [40.6]	Total BTUH [kW]	51.7 [15.15]	49.8 [14.59]	48.0 [14.07]	47.8 [14.01]	46.2 [13.54]	44.5 [13.04]	45.0 [13.19]	43.4 [12.72]	41.8 [12.25]	
	Sens BTUH [kW]	33.4 [9.79]	30.5 [8.94]	27.7 [8.12]	40.4 [11.84]	37.0 [10.84]	33.5 [9.82]	45.0 [13.19]	42.1 [12.34]	38.2 [11.20]	
	Power	3.5	3.4	3.3	3.4	3.4	3.3	3.4	3.4	3.3	3.3
110 [43.3]	Total BTUH [kW]	50.2 [14.71]	48.4 [14.18]	46.7 [13.69]	46.4 [13.60]	44.8 [13.13]	43.1 [12.63]	43.5 [12.75]	42.0 [12.31]	40.5 [11.87]	
	Sens BTUH [kW]	32.6 [9.55]	29.8 [8.73]	27.0 [7.91]	39.6 [11.61]	36.2 [10.61]	32.9 [9.64]	43.5 [12.75]	41.4 [12.13]	37.5 [10.99]	
	Power	3.6	3.6	3.5	3.6	3.5	3.5	3.6	3.5	3.5	3.5
115 [46.1]	Total BTUH [kW]	48.7 [14.27]	46.9 [13.75]	45.2 [13.25]	44.9 [13.16]	43.3 [12.69]	41.7 [12.22]	42.0 [12.31]	40.5 [11.87]	39.0 [11.43]	
	Sens BTUH [kW]	31.8 [9.32]	29.1 [8.53]	26.4 [7.74]	38.9 [11.40]	35.5 [10.40]	32.2 [9.44]	42.0 [12.31]	40.5 [11.87]	36.9 [10.81]	
	Power	3.8	3.7	3.6	3.7	3.7	3.6	3.8	3.7	3.6	3.6

GROSS SYSTEMS PERFORMANCE DATA—RSPM-A060

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]		2280 [1076]	1900 [897]	1520 [717]	2280 [1076]	1900 [897]	1520 [717]	2280 [1076]	1900 [897]	1520 [717]	
DR ①		.10	.07	.02	.10	.07	.02	.10	.07	.02	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	76.2 [22.33]	73.5 [21.54]	70.8 [20.75]	73.5 [21.54]	70.9 [20.78]	68.4 [20.05]	69.2 [20.28]	66.8 [19.58]	64.3 [18.84]
		Sens BTUH [kW]	46.2 [13.54]	42.2 [12.37]	38.3 [11.22]	56.0 [16.41]	51.3 [15.03]	46.5 [13.63]	63.3 [18.55]	57.9 [16.97]	52.5 [15.39]
		Power	3.4	3.3	3.3	3.3	3.2	3.2	3.3	3.3	3.2
	80 [26.7]	Total BTUH [kW]	74.6 [21.86]	71.9 [21.07]	69.3 [20.31]	71.9 [21.07]	69.4 [20.34]	66.8 [19.58]	67.6 [19.81]	65.2 [19.11]	62.8 [18.40]
		Sens BTUH [kW]	45.4 [13.31]	41.5 [12.16]	37.6 [11.02]	55.2 [16.18]	50.5 [14.80]	45.8 [13.42]	62.5 [18.32]	57.2 [16.76]	51.9 [15.21]
		Power	3.6	3.5	3.5	3.5	3.4	3.4	3.5	3.4	3.4
	85 [29.4]	Total BTUH [kW]	72.8 [21.34]	70.3 [20.60]	67.7 [19.84]	70.1 [20.54]	67.7 [19.84]	65.2 [19.11]	65.8 [19.28]	63.5 [18.61]	61.2 [17.94]
		Sens BTUH [kW]	44.6 [13.07]	40.8 [11.96]	37.0 [10.84]	54.5 [15.97]	49.8 [14.59]	45.2 [13.25]	61.8 [18.11]	56.5 [16.56]	51.2 [15.01]
		Power	3.8	3.8	3.7	3.7	3.7	3.6	3.7	3.6	3.6
	90 [32.2]	Total BTUH [kW]	70.9 [20.78]	68.4 [20.05]	65.9 [19.31]	68.2 [19.99]	65.9 [19.31]	63.5 [18.61]	63.9 [18.73]	61.7 [18.08]	59.4 [17.41]
Sens BTUH [kW]		43.8 [12.84]	40.1 [11.75]	36.4 [10.67]	53.7 [15.74]	49.1 [14.39]	44.5 [13.04]	61.0 [17.88]	55.8 [16.35]	50.6 [14.83]	
Power		4.0	4.0	3.9	3.9	3.9	3.8	3.9	3.9	3.8	3.8
95 [35]	Total BTUH [kW]	68.9 [20.19]	66.5 [19.49]	64.1 [18.79]	66.2 [19.40]	63.9 [18.73]	61.6 [18.05]	61.9 [18.14]	59.7 [17.50]	57.6 [16.88]	
	Sens BTUH [kW]	43.0 [12.60]	39.4 [11.55]	35.7 [10.46]	52.9 [15.50]	48.4 [14.18]	43.9 [12.87]	60.4 [17.70]	55.1 [16.15]	49.9 [14.62]	
	Power	4.3	4.2	4.1	4.2	4.1	4.0	4.1	4.1	4.0	4.0
100 [37.8]	Total BTUH [kW]	66.7 [19.55]	64.4 [18.87]	62.1 [18.20]	64.1 [18.79]	61.8 [18.11]	59.6 [17.47]	59.8 [17.53]	57.7 [16.91]	55.6 [16.29]	
	Sens BTUH [kW]	42.1 [12.34]	38.6 [11.31]	35.0 [10.26]	52.0 [15.24]	47.6 [13.95]	43.1 [12.63]	59.2 [17.35]	54.3 [15.91]	49.2 [14.42]	
	Power	4.5	4.4	4.3	4.4	4.3	4.2	4.4	4.3	4.2	4.2
105 [40.6]	Total BTUH [kW]	64.5 [18.90]	62.2 [18.23]	59.9 [17.55]	61.8 [18.11]	59.6 [17.47]	57.4 [16.82]	57.5 [16.85]	55.5 [16.27]	53.4 [15.65]	
	Sens BTUH [kW]	41.1 [12.05]	37.6 [11.02]	34.1 [9.99]	51.0 [14.95]	46.6 [13.66]	42.3 [12.40]	57.5 [16.85]	53.3 [15.62]	48.3 [14.16]	
	Power	4.7	4.6	4.5	4.6	4.5	4.4	4.6	4.5	4.4	4.4
110 [43.3]	Total BTUH [kW]	62.0 [18.17]	59.9 [17.55]	57.7 [16.91]	59.4 [17.41]	57.3 [16.79]	55.2 [16.18]	55.0 [16.12]	53.1 [15.56]	51.2 [15.01]	
	Sens BTUH [kW]	39.9 [11.69]	36.5 [10.70]	33.1 [9.70]	49.8 [14.59]	45.5 [13.33]	41.3 [12.10]	55.0 [16.12]	52.2 [15.30]	47.3 [13.86]	
	Power	4.9	4.8	4.8	4.8	4.7	4.7	4.8	4.7	4.6	4.6
115 [46.1]	Total BTUH [kW]	59.5 [17.44]	57.4 [16.82]	55.3 [16.21]	56.8 [16.65]	54.8 [16.06]	52.8 [15.47]	52.5 [15.39]	50.7 [14.86]	48.8 [14.30]	
	Sens BTUH [kW]	38.4 [11.25]	35.2 [10.32]	31.9 [9.35]	48.3 [14.16]	44.2 [12.95]	40.1 [11.75]	52.5 [15.39]	50.7 [14.86]	46.1 [13.51]	
	Power	5.1	5.1	5.0	5.0	5.0	4.9	5.0	4.9	4.9	4.9

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 — 230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	CFM [L/s] Air Delivery/RPM/Watts—230 Volts Side Discharge—Wet Coil										
					External Static Pressure—Inches W.C. [kPa]										
					0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [1.10]	0.5 [1.12]	0.6 [1.15]	0.7 [1.17]	0.8 [1.20]	0.9 [1.22]	1.0 [1.25]	
2.0 [7.03]	Low (Tap 2)	700/900	10x9 1/4 HP [186] 2 Speed X-13 (ECM) Motor	Low (Tap 2)	CFM RPM Watts	816 [385] 601 655	754 [356] 744 601	693 [327] 809 860	631 [298] 860 126	570 [269] 915 149	508 [240] 1001 152	447 [211] 1043 —	—		
				High (Tap 1)	CFM RPM Watts	1127 [532] 698 159	1014 [479] 761 173	958 [452] 880 182	901 [425] 946 210	845 [399] 989 220	788 [372] 1038 231	732 [345] 1091 237			
	2.5 [8.79]		Low (Tap 2)	875/1125	10x9 1/3 HP [249] 2 Speed X-13 (ECM) Motor	Low (Tap 2)	CFM RPM Watts	1049 [495] 693 138	988 [466] 756 151	928 [438] 809 159	868 [410] 893 174	807 [381] 942 185	747 [353] 1034 199	687 [324] 1034 209	626 [295] 1076 —
						High (Tap 1)	CFM RPM Watts	1266 [597] 732 204	1168 [551] 784 218	1119 [528] 894 234	1069 [505] 942 247	1020 [481] 1035 279	971 [458] 1077 289	922 [435] 1118 294	
3.0 [10.55]	Low (Tap 2)	1050/1350	10x9 1/2 HP [373] 2 Speed X-13 (ECM) Motor		Low (Tap 2)	CFM RPM Watts	1438 [679] 752 206	1183 [558] 807 220	1135 [536] 857 233	1086 [513] 903 246	1038 [490] 989 265	990 [467] 1036 277	941 [444] 1077 286	893 [421] 1114 291	
					High (Tap 1)	CFM RPM Watts	1418 [669] 792 277	1373 [648] 841 292	1327 [626] 890 307	1281 [605] 5021 322	1235 [583] 981 334	1190 [562] 1031 348	1144 [540] 1114 366	1088 [518] 1151 358	
3.5 [12.31]	Low (Tap 2)		1225/1575	11x9 1/2 HP [373] 2 Speed X-13 (ECM) Motor	Low (Tap 2)	CFM RPM Watts	1609 [759] 662 237	1386 [654] 714 254	1335 [630] 758 270	1283 [606] 800 285	1231 [581] 849 304	1180 [557] 876 313	1128 [532] 913 326	1076 [508] 951 340	
					High (Tap 1)	CFM RPM Watts	1649 [778] 709 331	1604 [757] 749 350	1558 [735] 797 371	1513 [714] 833 386	1467 [692] 879 409	1422 [671] 917 426	1376 [649] 951 440	1331 [628] 981 454	
4.0 [14.07]	Low (Tap 2)	1400/1800		11x9 3/4 HP [559] 2 Speed X-13 (ECM) Motor	Low (Tap 2)	CFM RPM Watts	1905 [899] 696 309	1864 [880] 743 328	1823 [860] 787 347	1782 [841] 826 363	1741 [822] 863 380	1700 [802] 895 392	1659 [783] 934 410	1618 [764] 970 426	
					High (Tap 1)	CFM RPM Watts	1835 [866] 738 416	1792 [846] 776 439	1749 [825] 816 458	1706 [805] 865 484	1663 [785] 899 501	1620 [765] 932 517	1577 [744] 967 537	1534 [724] 994 550	
5.0 [17.6]	Low (Tap 2)		1750/2250	11x9 3/4 HP [559] 2 Speed X-13 (ECM) Motor	Low (Tap 2)	CFM RPM Watts	2152 [1016] 792 477	2114 [998] 832 499	2075 [979] 871 521	2037 [961] 909 543	1999 [943] 943 562	1960 [925] 979 582	1922 [907] 1014 600	1884 [889] 621 621	
					High (Tap 1)	CFM RPM Watts	2152 [1016] 851 658	2114 [998] 882 680	2075 [979] 919 703	2037 [961] 952 724	1999 [943] 983 745	1960 [925] 1013 764	1922 [907] 1045 784	1884 [889] 1077 804	

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE — 208 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	CFM [L/s] Air Delivery/RPM/Watts—208 Volts Side Discharge—Wet Coil										
					External Static Pressure—Inches W.C. [kPa]										
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]	
2.0 [7.03]	Low (Tap 2)	700/900	10x9 1/4 HP [186] 2 Speed X-13 (ECM) Motor	Low (Tap 2)	CFM	959 [453]	892 [421]	825 [389]	758 [358]	691 [326]	624 [294]	557 [263]	491 [232]	—	—
					RPM	582	606	655	723	808	851	906	996	—	—
					Watts	132	110	96	106	119	123	132	144	—	—
2.5 [8.79]	Low (Tap 2)	875/1125	10x9 1/3 HP [249] 2 Speed X-13 (ECM) Motor	High (Tap 1)	CFM	1229 [580]	1170 [552]	1112 [525]	1054 [497]	996 [470]	938 [443]	879 [415]	821 [387]	763 [360]	705 [333]
					RPM	607	634	698	761	815	880	946	989	1038	1091
					Watts	161	145	159	173	182	196	210	220	231	237
3.0 [10.55]	Low (Tap 2)	1050/1350	10x9 1/2 HP [373] 2 Speed X-13 (ECM) Motor	Low (Tap 2)	CFM	1328 [627]	1276 [602]	1223 [577]	1171 [553]	1118 [528]	1066 [503]	1013 [478]	961 [454]	—	—
					RPM	642	693	747	803	852	903	988	1031	—	—
					Watts	173	187	200	214	226	238	254	263	—	—
3.5 [12.31]	Low (Tap 2)	1225/1575	11x9 1/2 HP [373] 2 Speed X-13 (ECM) Motor	High (Tap 1)	CFM	1508 [712]	1459 [689]	1409 [665]	1359 [641]	1310 [618]	1260 [595]	1210 [571]	1160 [547]	1111 [524]	1061 [501]
					RPM	698	738	789	839	888	933	983	1035	1103	1137
					Watts	243	255	271	285	299	310	322	332	343	343
4.0 [14.07]	Low (Tap 2)	1400/1800	11x9 3/4 HP [559] 2 Speed X-13 (ECM) Motor	Low (Tap 2)	CFM	1708 [806]	1658 [782]	1609 [759]	1559 [736]	1510 [713]	1460 [689]	1410 [665]	1361 [642]	1311 [619]	1262 [596]
					RPM	619	651	686	741	783	822	859	894	937	971
					Watts	280	284	298	323	339	355	370	385	402	415
5.0 [17.6]	Low (Tap 2)	1750/2250	11x9 3/4 HP [559] 2 Speed X-13 (ECM) Motor	High (Tap 1)	CFM	1917 [905]	1872 [883]	1827 [862]	1782 [841]	1736 [819]	1691 [798]	1646 [777]	1601 [756]	1556 [734]	1510 [713]
					RPM	673	702	736	769	818	860	898	928	960	989
					Watts	377	392	409	426	451	473	490	504	518	531
5.0 [17.6]	Low (Tap 2)	1750/2250	11x9 3/4 HP [559] 2 Speed X-13 (ECM) Motor	Low (Tap 2)	CFM	1954 [922]	1914 [903]	1874 [884]	1833 [865]	1793 [846]	1753 [827]	1713 [808]	1673 [790]	1632 [770]	1592 [751]
					RPM	719	747	779	818	857	894	928	963	998	1038
					Watts	439	451	469	491	512	534	553	573	590	611
5.0 [17.6]	Low (Tap 2)	1750/2250	11x9 3/4 HP [559] 2 Speed X-13 (ECM) Motor	High (Tap 1)	CFM	2173 [1026]	2136 [1008]	2098 [990]	2061 [973]	2024 [955]	1986 [937]	1949 [920]	1911 [902]	1874 [884]	1837 [867]
					RPM	775	803	830	860	896	928	959	988	1019	1050
					Watts	604	622	642	663	686	706	727	745	765	784

[] Designates Metric Conversions

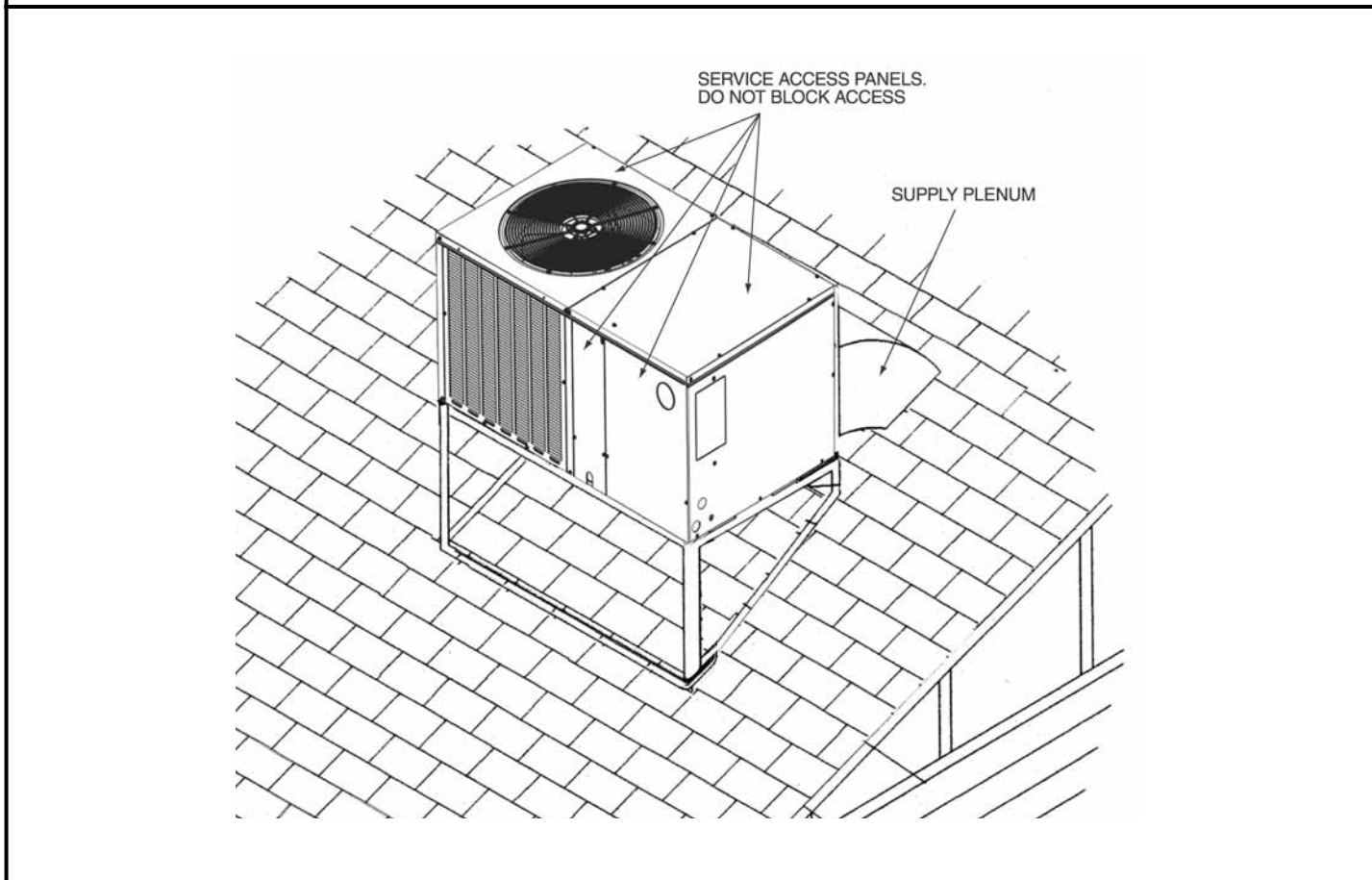
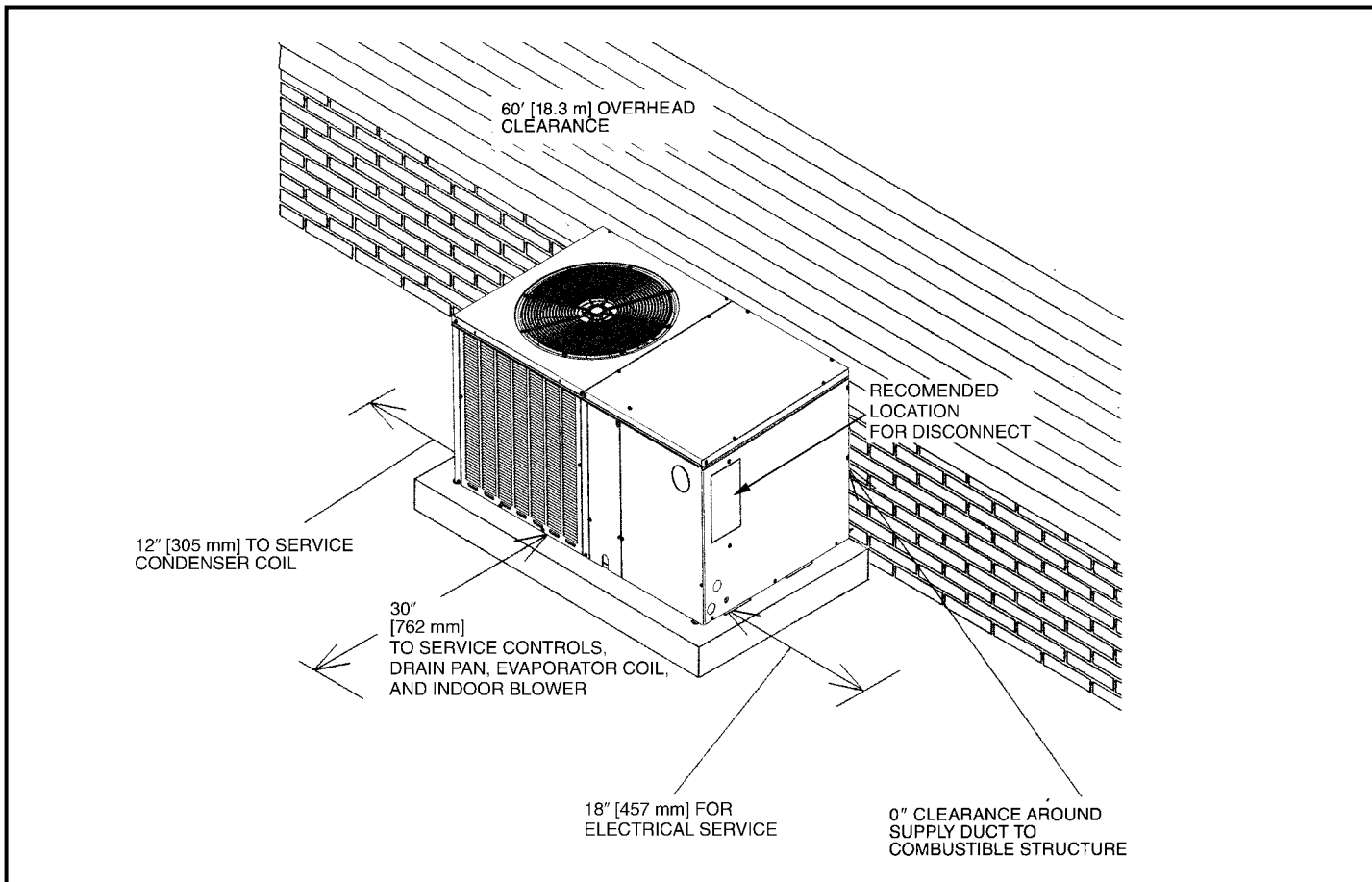
ELECTRICAL DATA – RSPM SERIES													
		-A024JK	-A030JK	-A036CK	-A036JK	-A042CK	-A042JK	A043CK	A043JK	-A048CK	-A048JK	-A060CK	-A060JK
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	23/23	24/24	22/22	27/27	25/25	30/30	25/25	30/30	27/27	35/35	30/30	43/43
	Minimum Overcurrent Protection Device Size	30/30	30/30	25/25	35/35	30/30	35/35	30/30	35/35	30/30	40/40	35/35	50/50
	Maximum Overcurrent Protection Device Size	35/35	35/35	30/30	40/40	35/35	45/45	35/35	45/45	40/40	50/50	45/45	60/60
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	1	3	1	3	1	3	1	3	1
	HP	2	2.5	3	3	3.5	3.5	3450	3450	4	4	4.5	4.5
	RPM	3450	3450	3450	3450	3450	3450	3 1/2	3.5	3450	3450	3450	3450
	Amps (RLA)	13.5/13.5	14.1/14.1	12.8/12.8	17/17	13.5/13.5	17.9/17.9	13.5/13.5	17.9/17.9	14.7/14.7	21.2/21.2	16/16	26.4/26.4
	Amps (LRA)	58.3/58.3	73/73	95/95	96.7/96.7	88/88	112/112	88/88	112/112	115/115	115/115	110/110	134/134
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1.5	1.5	1.5	1.5	1.5	1.5	1.5/1.5	1.5/1.5	1.9	1.9	1.9	1.9
	Amps (LRA)	3	3	3	3	3	3	3/3	3/3	4	4	4	4
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1	1	1	1
	HP	1/4	1/3	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4
	Amps (FLA)	4.1	4.1	4.1	4.1	6	6	6/6	6/6	6	6	7.6	7.6

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

Single Power Supply For Both Unit and Heater Kit													Separate Power Supply For Both Unit and Heater Kit					
Unit Model No. RSPM-	Heater Kit											Heater Kit					Heat Pump	
	RXQJ-C Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size		Min. Circuit Ampacity 208-240 V	Max. Fuse Size	Min. Ckt. Ampacity	Min. Circuit Ampacity 208-240 V	Over Current Protective Device Size				
								Min./Max. @ 208 V	Min./Max. @ 240 V					Min./Max. @ 208 V	Min./Max. @ 240 V			
A024J	No Heat	—	—	—	—	—	23/23	30/35	30/35	—	—	23/23	30/35	30/35	30/35			
	05J	1	1	3.6/4.8	12.28/16.38	17.33/20	27/31	30/35	35/35	22/25	25/25	—	—	—	—			
	07J	1	1	5.4/7.2	18.42/24.56	26/30	38/43	40/40	45/45	33/38	35/40	—	—	—	—			
	10J	2	1	7.2/9.6	24.57/32.76	34.7/40	49/56	50/50	60/60	44/50	45/50	—	—	—	—			
A030J	No Heat	—	—	—	—	—	24/24	30/35	30/35	—	—	24/24	30/35	30/35				
	05J	1	1	3.6/4.8	12.28/16.38	17.33/20	27/31	30/35	35/35	22/25	25/25	—	—	—	—			
	07J	1	1	5.4/7.2	18.42/24.56	26/30	38/43	40/40	45/45	33/38	35/40	—	—	—	—			
	10J	2	1	7.2/9.6	24.57/32.76	34.7/40	49/56	50/50	60/60	44/50	45/50	—	—	—	—			
A036J	No Heat	—	—	—	—	—	71/81	80/80	80/80	65/75	70/80	—	—	—	—			
	05J	1	1	3.6/4.8	12.28/16.38	17.33/20	27/27	35/40	35/40	22/25	25/25	—	—	35/40	35/40			
	07J	1	1	5.4/7.2	18.42/24.56	26/30	38/43	40/40	45/45	33/38	35/40	—	—	—	—			
	10J	2	1	7.2/9.6	24.57/32.76	34.7/40	49/56	50/50	60/60	44/50	45/50	—	—	—	—			
A042J A043J	No Heat	—	—	—	—	—	71/81	80/80	80/80	65/75	70/80	—	—	—	—			
	05J	1	1	3.6/4.8	12.28/16.38	17.33/20	30/30	35/45	35/45	22/25	25/25	—	—	35/45	35/45			
	07J	1	1	5.4/7.2	18.42/24.56	26/30	40/45	40/40	45/45	33/38	35/40	—	—	—	—			
	10J	2	1	7.2/9.6	24.57/32.76	34.7/40	51/58	60/60	60/60	44/50	45/50	—	—	—	—			
A048J	No Heat	—	—	—	—	—	95/108	100/100	110/110	87/100	90/100	—	—	—	—			
	05J	1	1	3.6/4.8	12.28/16.38	17.33/20	35/35	40/50	40/50	22/25	25/25	—	—	40/50	40/50			
	07J	1	1	5.4/7.2	18.42/24.56	26/30	40/45	40/40	45/45	33/38	35/40	—	—	—	—			
	10J	2	1	7.2/9.6	24.57/32.76	34.7/40	51/58	60/60	60/60	44/50	45/50	—	—	—	—			
A060J	No Heat	—	—	—	—	—	95/108	100/100	110/110	87/100	90/100	—	—	—	—			
	05J	1	1	3.6/4.8	12.28/16.38	17.33/20	43/43	50/60	50/60	22/25	25/25	—	—	50/60	50/60			
	07J	1	1	5.4/7.2	18.42/24.56	26/30	43/47	50/60	50/60	33/38	35/40	—	—	—	—			
	10J	2	1	7.2/9.6	24.57/32.76	34.7/40	53/60	60/60	60/60	44/50	45/50	—	—	—	—			
	No Heat	—	—	—	—	—	75/85	80/80	80/80	65/75	70/80	—	—	—	—			
	15J	3	2	10.8/14.4	36.85/49.13	52/60	75/85	80/80	80/80	65/75	70/80	—	—	—	—			
	20J	4	2	14.4/19.2	49.12/65.52	69.33/80	97/110	100/100	110/110	87/100	90/100	—	—	—	—			
	20J	4	2	14.4/19.2	49.12/65.52	69.33/80	97/110	100/100	110/110	87/100	90/100	—	—	—	—			

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

Single Power Supply For Both Unit and Heater Kit													Separate Power Supply For Both Unit and Heater Kit					
Unit Model No. RSPM-	Heater Kit												Heater Kit			Heat Pump		
	RXQJ-C Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size @ 240 V		Min. Ckt. Ampacity 208-240 V	Max. Fuse Size	Min. Circuit Ampacity 208-240 V	Over Current Protective Device Size @ 208 V					
								Min./Max.	Min./Max.				Min./Max.	Min./Max.				
A036C	No Heat	—	—	—	—	—	22/22	25/30	25/30	—	22/22	25/30	25/30	25/30				
	10C	2	1	7.2/9.6	24.57/32.76	20/23.1	31/34	35/35	35/35	25/29	25/30	—	—	—				
	15C	3	2	10.8/14.4	36.85/49.13	30.1/34.7	43/49	45/45	50/50	38/44	40/45	—	—	—				
A042C A043C	No Heat	—	—	—	—	—	25/25	30/35	30/35	—	—	25/25	30/35	30/35				
	10C	2	1	7.2/9.6	24.57/32.76	20/23.1	33/37	35/35	40/40	25/29	25/30	—	—	—				
	15C	3	2	10.8/14.4	36.85/49.13	30.1/34.7	46/51	50/50	60/60	38/44	40/45	—	—	—				
	20C	4	2	14.4/19.2	49.12/65.52	40/46.3	58/66	60/60	70/70	50/58	50/60	—	—	—				
A048C	No Heat	—	—	—	—	—	27/27	30/40	30/40	—	—	27/27	30/40	30/40				
	10C	2	1	7.2/9.6	24.57/32.76	20/23.1	33/37	35/35	40/40	25/29	25/30	—	—	—				
	15C	3	2	10.8/14.4	36.85/49.13	30.1/34.7	46/51	50/50	60/60	38/44	40/45	—	—	—				
	20C	4	2	14.4/19.2	49.12/65.52	40/46.3	58/66	60/60	70/70	50/58	50/60	—	—	—				
A060C	No Heat	—	—	—	—	—	30/30	35/45	35/45	—	—	30/30	35/45	35/45				
	10C	2	1	7.2/9.6	24.57/32.76	20/23.1	35/39	35/35	40/40	25/29	25/30	—	—	—				
	15C	3	2	10.8/14.4	36.85/49.13	30.1/34.7	48/53	50/50	60/60	38/44	40/45	—	—	—				
	20C	4	2	14.4/19.2	49.12/65.52	40/46.3	60/68	60/60	70/70	50/58	50/60	—	—	—				



[] Designates Metric Conversions

ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Outdoor Thermostat	RSPM	RXPT-A01
Thermostat	RSPM	See Thermostat Specification Sheet (T22-001)

THERMOSTATS



200-Series *
Programmable



300-Series *
Deluxe
Programmable



500-Series *
Communicating/
Programmable

400-Series *
Special Applications/
Programmable

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

* Photos are representative. Actual models may vary.

For detailed thermostat match-up information,
see specification sheet form number T22-001.

