



Endeavor® Line *Achiever*® Series iR Packaged Dedicated Horizontal Heat Pumps



RHPBZR 13.4 SEER2 Series

Nominal Sizes 2, 3, and 5 Tons [7.0 to 17.6 kW]



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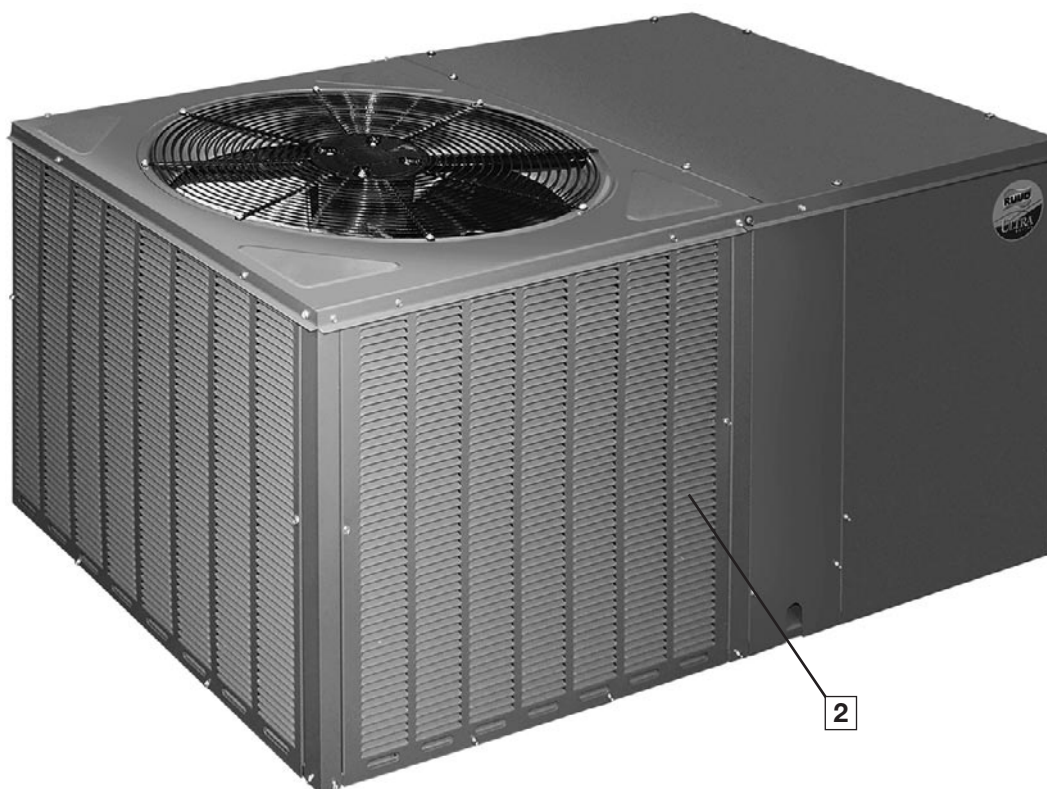
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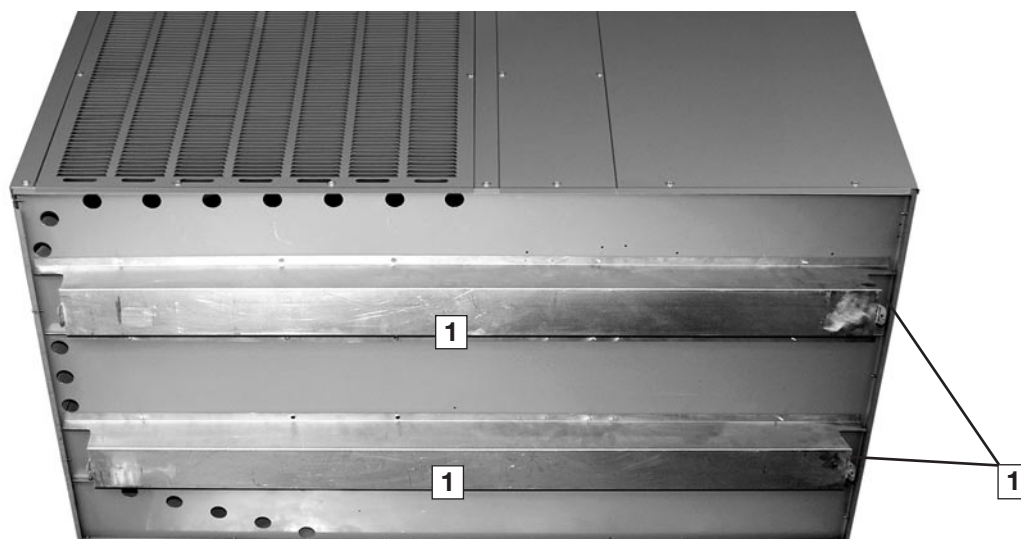
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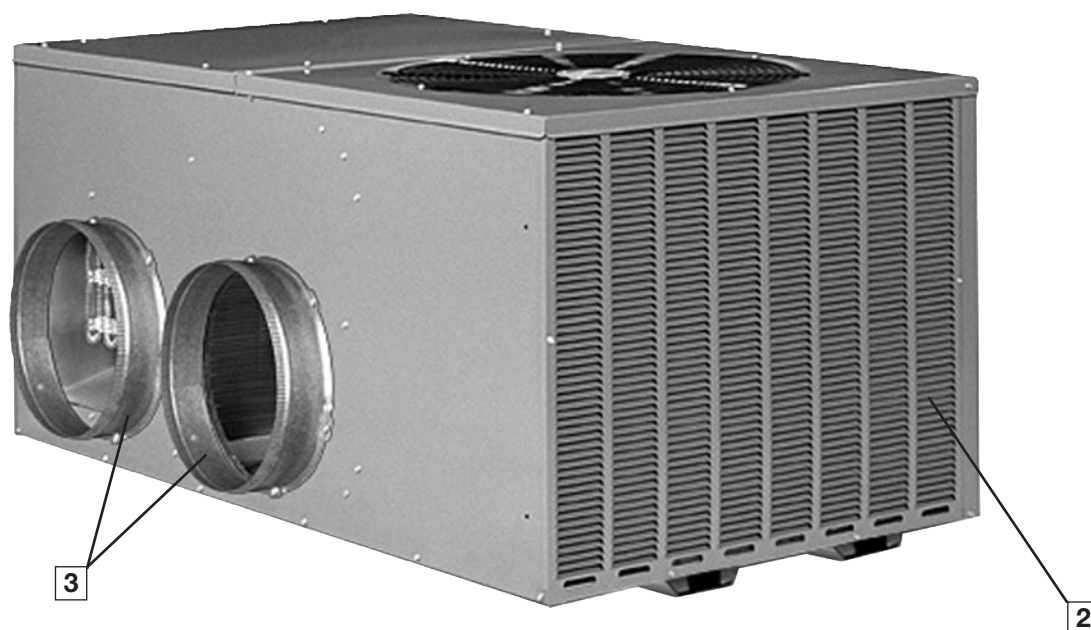


The RHPBZR series of Packaged Heat Pumps are designed to be the quickest to install, easiest to service, and most reliable units in the industry – while still maintaining an affordable price. AHRI-certified at 13.4 SEER2.

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 18-gauge G-90 sheet metal, the base rails also allow for easier maneuverability during installation.

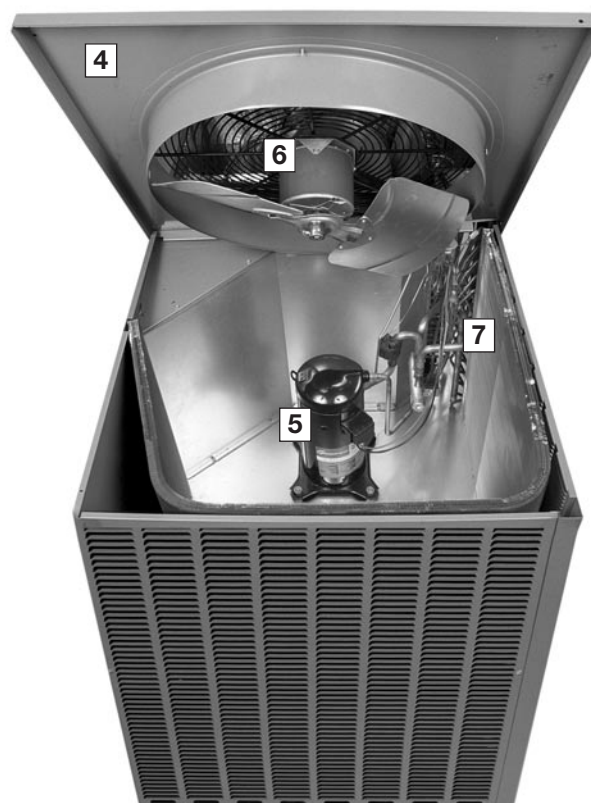


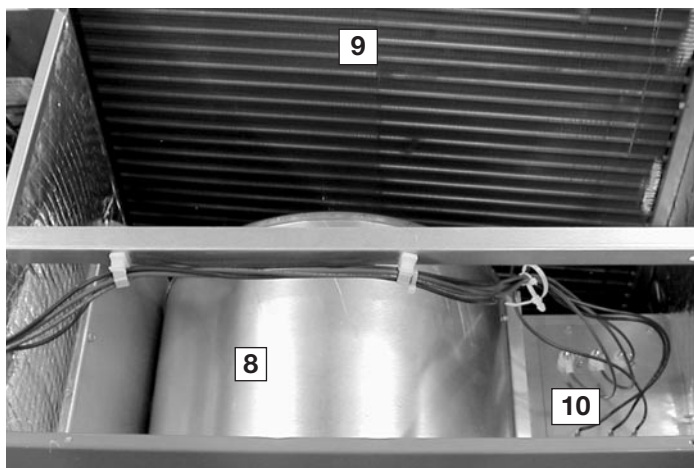


To provide flexibility in space-limited installations, the unit can be installed flush to the structure without blocking airflow over the outdoor coil or making any screws inaccessible for maintenance. Furthermore, the cabinet is a slim 33" wide. Full-louver coil protection ([2]) makes Ruud unique in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

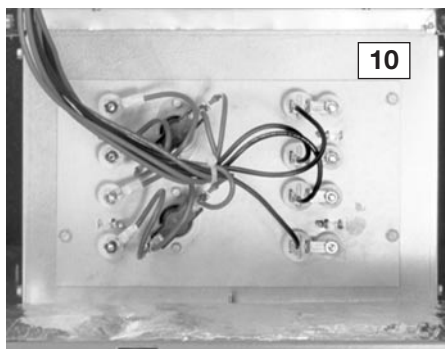




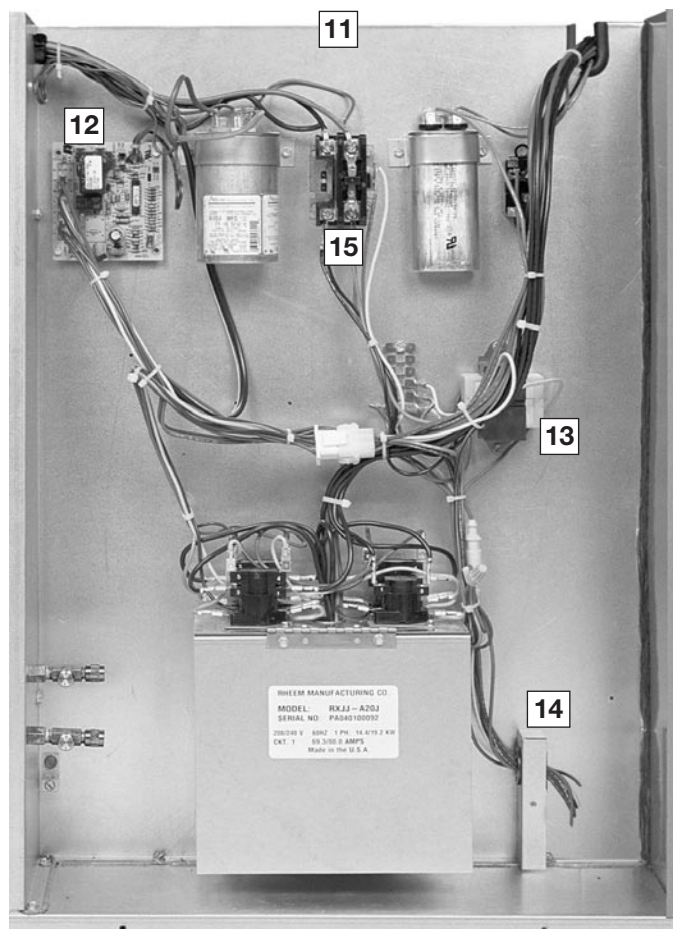
The indoor-section top cover also easily opens to access the removable blower housing and motor ([8]). This also gains total access to the indoor coil for cleaning and service ([9]).

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 air-flow brought about by high-static duct designs.

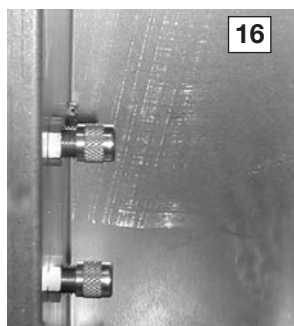
Optional electric heat ([10]) can be easily installed in the field, with either dual- or single-point power, and is designed to easily install into the unit. Electric heat can also be specified as factory installed.



The controls are located in a large, easy-to-access control box ([11]), which provides plenty of space in which to troubleshoot. A demand defrost control ([12]) is used to manage the defrost cycle. The transformer ([13]) is protected by an in-line fuse, which protects the transformer during a low-voltage electrical short. The low-voltage ([14]) and high-voltage ([15]) 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.

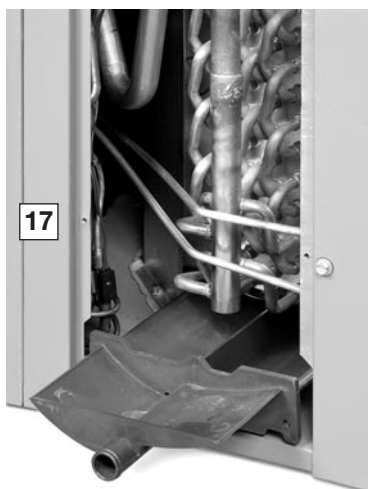


High and low pressure can easily and accurately be measured using the two gauge ports ([16]) located inside the control box.



A small side panel grants access to a removable, sloped drain pan ([17]), which helps to ensure indoor air quality (IAQ) throughout the life of the unit.

“Patent 7,430,877”



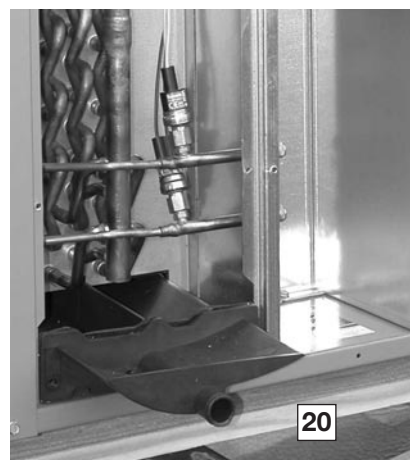
Foil-faced insulation is securely glued and captured to the cabinet. On the base of the unit, closed-cell insulation is used to prevent moisture from being absorbed and help reduce mold content to provide better indoor air quality.

Ruud uses 100% scroll compressor technology ([19]) on packaged platforms.

(Note: The RHPBZR uses a two stage scroll compressor).



Low pressure control standard on all models ([20]).
High pressure control standard on -060 model.



Heat Pumps

<u>R</u>	<u>HP</u>	<u>B</u>	<u>Z</u>	<u>R</u>	<u>024</u>	<u>A</u>	<u>J</u>	<u>T</u>	<u>00</u>	<u>0</u>	<u>N</u>	<u>A</u>
Brand	Product Category	Platform	Refrigerant	Tier	Capacity BTU/HR	Major Series	Voltage	Drive	Electric Heat	Electric Heat Configuration	Control	Minor Series
R - Ruud	HP - Heat Pump	B - ResiPack Dedicated Horizontal	Z - R-410A	R - Base Tier (13.4 SEER2)	024 - 24K BTUH [7.03 kW] 030 - 30K BTUH [8.79 kW] 036 - 36K BTUH [10.55 kW] 042 - 42K BTUH [12.31 kW] 060 - 60K BTUH [17.58 kW]	A - 1st Design Series	J - 1ph, 208-230/60	T - Constant Torque	00 - No Electric Heat 10 - 10 kW Electric Heat 15 - 15 kW Electric Heat 20 - 20 kW Electric Heat	0 - No Electric Heat 1 - Electric Heat Factory Installed	N - Non-Comm.	A - 1st Design

[] Designates Metric Conversions

Available Models
RHPBZR024AJT000NA
RHPBZR024AJT101NA
RHPBZR030AJT000NA
RHPBZR030AJT101NA
RHPBZR036AJT000NA
RHPBZR036AJT101NA
RHPBZR042AJT000NA
RHPBZR042AJT151NA
RHPBZR060AJT000NA
RHPBZR060AJT201NA

Note: Bold represents 2-stage compressor models.
Further heater kits available to purchase for field installation.
Tinned evaporator coil options (AUA) also available.

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RHPBZR- Series	024AJT	030AJT	036AJT
Cooling Performance¹			CONTINUED →
Gross Cooling Capacity Btu [kW]	24,000 [7.03]	29,000 [8.5]	36,200 [10.61]
EER2/SEER2 ²	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/AHRI Rated CFM [L/s]	800/800 [378/378]	1000/1000 [472/472]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	23,600 [6.91]	28,200 [8.26]	35,400 [10.37]
Net Sensible Capacity Btu [kW]	19,080 [5.59]	23,450 [6.87]	27,870 [8.17]
Net Latent Capacity Btu [kW]	4,520 [1.32]	4,750 [1.39]	7,530 [2.21]
Net System Power [kW]	2.03	2.35	3.15
Heating Performance (Heat Pumps)			
High Temp. Btuh [kW] Rating	22,400 [6.56]	27,000 [7.91]	36,000 [10.55]
System Power kW / COP	1.94/3.42	2.24/3.58	3.16/3.44
Low Temp. Btuh [kW] Rating	12,600 [3.69]	15,200 [4.45]	20,800 [6.09]
System Power kW / COP	1.79/2.08	2.01/2.3	2.72/2.24
HSPF2 ³ (Btu/Watts-hr)	6.7	6.7	6.7
Compressor			
No./Type	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	78	77	80
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	12.65 [1.18]	20.57 [1.91]	16.54 [1.54]
Rows / FPI [FPcm]	1 / 20 [8]	2 / 16 [6]	1 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves
Indoor Coil—Fin Type	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	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]	5.78 [0.54]
Rows / FPI [FPcm]	2 / 15 [6]	3 / 13 [5]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1
CFM [L/s]	3200 [1510]	3200 [1510]	3300 [1557]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	825	825	825
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple
No. Motors	1	1	1
Motor HP	1/2	1/2	3/4
Motor RPM	1050	1050	1050
Motor Frame Size	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	103.2 [2926]	155 [4394]	113 [3204]
Weights			
Net Weight lbs. [kg]	302 [137]	329 [149]	350 [159]
Ship Weight lbs. [kg]	327 [148]	354 [161]	375 [170]

See Page 10 for Notes.

[] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RHPBZR- Series	042AJT	060AJT
Cooling Performance¹		
Gross Cooling Capacity Btu [kW]	41,000 [12.01]	58,500 [17.14]
EER2/SEER2 ²	10.6/13.4	10.6/13.4
Nominal CFM/AHRI Rated CFM [L/s]	1400/1400 [661/661]	2000/1900 [944/897]
AHRI Net Cooling Capacity Btu [kW]	40,000 [11.72]	56,500 [16.55]
Net Sensible Capacity Btu [kW]	30,770 [9.02]	45,090 [13.21]
Net Latent Capacity Btu [kW]	9,230 [2.7]	11,410 [3.34]
Net System Power [kW]	3.54	5.09
Heating Performance (Heat Pumps)		
High Temp. Btuh [kW] Rating	37,400 [10.96]	57,500 [16.85]
System Power kW / COP	3.66/3.32	4.95/3
Low Temp. Btuh [kW] Rating	21,800 [6.39]	31,400 [9.2]
System Power kW / COP	2.98/2.2	4.26/2.16
HSPF2 ³ (Btu/Watts-hr)	6.7	6.7
Compressor		
No./Type	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴		
	80	80
Outdoor Coil—Fin Type		
Tube Type	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	26.9 [2.5]	32.39 [3.01]
Refrigerant Control	2 / 18 [7]	2 / 18 [7]
	TX Valves	TX Valves
Indoor Coil—Fin Type		
Tube Type	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	5.78 [0.54]	5.78 [0.54]
Refrigerant Control	3 / 13 [5]	4 / 13 [5]
Drain Connection No./Size in. [mm]	TX Valves	TX Valves
	1/0.75 [19.05]	1/1 [25.4]
Outdoor Fan—Type		
No. Used/Diameter in. [mm]	Propeller	Propeller
Drive Type/No. Speeds	1/24 [609.6]	1/24 [609.6]
CFM [L/s]	Direct/1	Direct/1
No. Motors/HP	4000 [1888]	4000 [1888]
Motor RPM	1 at 1/3 HP	1 at 1/2 HP
	1075	1075
Indoor Fan—Type		
No. Used/Diameter in. [mm]	FC Centrifugal	FC Centrifugal
Drive Type	1/12x9 [305x229]	1/12x9 [305x229]
No. Speeds	Direct	Direct
No. Motors	Multiple	Multiple
Motor HP	1	1
Motor RPM	3/4	1
Motor Frame Size	1050	1050
	48	48
Filter—Type		
Furnished	Field Supplied	Field Supplied
(NO.) Size Recommended in. [mm x mm x mm]	No	No
	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]		
	202.4 [5738]	212 [6010]
Weights		
Net Weight lbs. [kg]	400 [181]	429 [195]
Ship Weight lbs. [kg]	425 [193]	454 [206]

See Page 10 for Notes.

[] Designates Metric Conversions

NOTES:

1. Cooling Performance is rated at 95°F ambient, 80°F entering dry bulb, 67°F entering wet bulb. Gross capacity does not include the effect of fan motor heat. 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. EER2 and/or SEER2 are rated at ARI conditions and in accordance with DOE test procedures for 1-Phase models. EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures for 3-Phase models.
3. HSPF2 is rated at ARI conditions and in accordance with DOE test procedures for 1-Phase models. HSPF is rated at ARI conditions and in accordance with DOE test procedures for 3-Phase models.
4. Outdoor Sound Rating shown is tested in accordance with ARI Standard 270.

GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPBZR024

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]		900 [425]	800 [378]	650 [307]	900 [425]	800 [378]	650 [307]	900 [425]	800 [378]	650 [307]
DR ①		.05	.09	.12	.05	.09	.12	.05	.09	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	30.0 [8.8] 17.5 [5.1] 1.7	29.4 [8.6] 16.5 [4.8] 1.7	28.4 [8.3] 15.1 [4.4] 1.6	28.1 [8.2] 21.0 [6.2] 1.7	27.5 [8.1] 19.9 [5.8] 1.7	26.6 [7.8] 18.1 [5.3] 1.6	26.8 [7.9] 24.4 [7.2] 1.7	26.2 [7.7] 23.1 [6.8] 1.7
	80 [26.7]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	29.2 [8.6] 17.2 [5.0] 1.8	28.5 [8.4] 16.2 [4.7] 1.7	27.6 [8.1] 14.8 [4.3] 1.7	27.3 [8.0] 20.7 [6.1] 1.8	26.7 [7.8] 19.6 [5.7] 1.7	25.8 [7.6] 17.9 [5.2] 1.7	25.9 [7.6] 24.1 [7.1] 1.8	25.4 [7.4] 22.8 [6.7] 1.7
	85 [29.4]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	28.3 [8.3] 16.8 [4.9] 1.9	27.6 [8.1] 15.9 [4.7] 1.8	26.7 [7.8] 14.5 [4.2] 1.8	26.3 [7.7] 20.4 [6.0] 1.9	25.8 [7.6] 19.2 [5.6] 1.8	24.9 [7.3] 17.6 [5.2] 1.8	25.0 [7.3] 23.8 [7.0] 1.9	24.5 [7.2] 22.5 [6.6] 1.8
	90 [32.2]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	27.3 [8.0] 16.4 [4.8] 2.0	26.7 [7.8] 15.5 [4.5] 1.9	25.8 [7.6] 14.2 [4.2] 1.9	25.4 [7.4] 20.0 [5.9] 2.0	24.8 [7.3] 18.9 [5.5] 1.9	24.0 [7.0] 17.2 [5.0] 1.9	24.0 [7.0] 23.4 [6.9] 2.0	23.5 [6.9] 22.1 [6.5] 1.9
	95 [35]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	26.2 [7.7] 16.0 [4.7] 2.1	25.7 [7.5] 15.1 [4.4] 2.0	24.8 [7.3] 13.8 [4.0] 2.0	24.3 [7.1] 19.6 [5.7] 2.1	23.8 [7.0] 18.5 [5.4] 2.0	23.0 [6.7] 16.9 [5.0] 2.0	23.0 [6.7] 23.0 [6.7] 2.1	22.5 [6.6] 21.7 [6.4] 2.0
	100 [37.8]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	25.1 [7.4] 15.6 [4.6] 2.2	24.6 [7.2] 14.7 [4.3] 2.2	23.7 [6.9] 13.4 [3.9] 2.1	23.2 [6.8] 19.1 [5.6] 2.2	22.7 [6.7] 18.0 [5.3] 2.2	21.9 [6.4] 16.5 [4.8] 2.1	21.9 [6.4] 21.9 [6.4] 2.2	21.4 [6.3] 21.3 [6.2] 2.2
	105 [40.6]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	24.0 [7.0] 15.1 [4.4] 2.3	23.5 [6.9] 14.2 [4.2] 2.3	22.7 [6.7] 13.0 [3.8] 2.2	22.1 [6.5] 18.6 [5.5] 2.3	21.6 [6.3] 17.6 [5.2] 2.3	20.8 [6.1] 16.0 [4.7] 2.2	20.7 [6.1] 20.7 [6.1] 2.3	20.3 [5.9] 20.3 [5.9] 2.3
	110 [43.3]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	22.8 [6.7] 14.5 [4.2] 2.4	22.3 [6.5] 13.7 [4.0] 2.4	21.5 [6.3] 12.5 [3.7] 2.4	20.9 [6.1] 18.1 [5.3] 2.4	20.4 [6.0] 17.1 [5.0] 2.4	19.7 [5.8] 15.6 [4.6] 2.4	19.5 [5.7] 19.5 [5.7] 2.4	19.1 [5.6] 19.1 [5.6] 2.4
	115 [46.1]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	21.5 [6.3] 14.0 [4.1] 2.6	21.0 [6.2] 13.2 [3.9] 2.5	20.3 [5.9] 12.1 [3.5] 2.5	19.6 [5.7] 17.5 [5.1] 2.6	19.1 [5.6] 16.6 [4.9] 2.5	18.5 [5.4] 15.1 [4.4] 2.5	18.2 [5.3] 18.2 [5.3] 2.6	17.8 [5.2] 17.8 [5.2] 2.5
	120 [48.9]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	20.2 [5.9] 13.4 [3.9] 2.7	19.7 [5.8] 12.7 [3.7] 2.7	19.0 [5.6] 11.6 [3.4] 2.6	18.2 [5.3] 1.07 [5.0] 2.7	17.8 [5.2] 16.0 [4.7] 2.7	17.2 [5.0] 14.6 [4.3] 2.6	16.9 [5.0] 16.9 [5.0] 2.7	16.5 [4.8] 16.5 [4.8] 2.7
	125 [51.7]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	18.8 [5.5] 12.8 [3.8] 2.9	18.4 [5.4] 12.1 [3.5] 2.8	17.7 [5.2] 11.0 [3.2] 2.8	16.9 [5.0] 16.3 [4.8] 2.9	16.5 [4.8] 15.4 [4.5] 2.8	15.9 [4.7] 14.1 [4.1] 2.8	15.5 [4.5] 15.5 [4.5] 2.9	15.2 [4.5] 15.2 [4.5] 2.8

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/h
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 COOLING PERFORMANCE DATA—RHPBZR030

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]			1075 [507]	1000 [472]	775 [366]	1075 [507]	1000 [472]	775 [366]	1075 [507]	1000 [472]	775 [366]
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	32.5 [9.5]	32.1 [9.4]	30.8 [9.0]	31.1 [9.1]	30.7 [9.0]	29.4 [8.6]	30.2 [8.9]	29.8 [8.7]	28.5 [8.4]
		Sens kBtu/h [kW]	19.7 [5.8]	19.0 [5.6]	17.0 [5.0]	24.4 [7.2]	23.5 [6.9]	21.1 [6.2]	28.3 [8.3]	27.3 [8.0]	24.5 [7.2]
		Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	80 [26.7]	Total kBtu/h [kW]	32.2 [9.4]	31.7 [9.3]	30.4 [8.9]	30.8 [9.0]	30.3 [8.9]	29.1 [8.5]	29.8 [8.7]	29.4 [8.6]	28.2 [8.3]
		Sens kBtu/h [kW]	19.9 [5.8]	19.2 [5.6]	17.2 [5.0]	24.6 [7.2]	23.7 [6.9]	21.2 [6.2]	28.5 [8.4]	27.5 [8.1]	24.6 [7.2]
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	85 [29.4]	Total kBtu/h [kW]	31.7 [9.3]	31.2 [9.1]	30.0 [8.8]	30.3 [8.9]	29.9 [8.8]	28.6 [8.4]	29.3 [8.6]	28.9 [8.5]	27.7 [8.1]
		Sens kBtu/h [kW]	20.0 [5.9]	19.3 [5.7]	17.3 [5.1]	24.6 [7.2]	23.8 [7.0]	21.3 [6.2]	28.6 [8.4]	27.6 [8.1]	24.7 [7.2]
		Power	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	90 [32.2]	Total kBtu/h [kW]	31.0 [9.1]	30.6 [9.0]	29.4 [8.6]	29.6 [8.7]	29.2 [8.6]	28.0 [8.2]	28.7 [8.4]	28.3 [8.3]	27.1 [7.9]
Sens kBtu/h [kW]		19.9 [5.8]	19.2 [5.6]	17.2 [5.0]	24.6 [7.2]	23.8 [7.0]	21.3 [6.2]	28.5 [8.4]	27.6 [8.1]	24.7 [7.2]	
Power		2.3	2.3	2.2	2.3	2.2	2.2	2.2	2.2	2.2	
95 [35]	Total kBtu/h [kW]	30.2 [8.9]	29.8 [8.7]	28.6 [8.4]	28.8 [8.4]	28.5 [8.4]	27.3 [8.0]	27.9 [8.2]	27.5 [8.1]	26.4 [7.7]	
	Sens kBtu/h [kW]	19.7 [5.8]	19.1 [5.6]	17.1 [5.0]	24.4 [7.2]	23.6 [6.9]	21.1 [6.2]	27.9 [8.2]	27.4 [8.0]	24.5 [7.2]	
	Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.3	2.3	
100 [37.8]	Total kBtu/h [kW]	29.3 [8.6]	28.9 [8.5]	27.8 [8.1]	27.9 [8.2]	27.6 [8.1]	26.4 [7.7]	27.0 [7.9]	26.6 [7.8]	25.5 [7.5]	
	Sens kBtu/h [kW]	19.4 [5.7]	18.8 [5.5]	16.8 [4.9]	24.1 [7.1]	23.3 [6.8]	20.9 [6.1]	27.0 [7.9]	26.6 [7.8]	24.3 [7.1]	
	Power	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.4	
105 [40.6]	Total kBtu/h [kW]	28.3 [8.3]	27.9 [8.2]	26.7 [7.8]	26.9 [7.9]	26.5 [7.8]	25.4 [7.4]	25.9 [7.6]	25.6 [7.5]	24.5 [7.2]	
	Sens kBtu/h [kW]	19.0 [5.6]	18.4 [5.4]	16.5 [4.8]	23.7 [6.9]	22.9 [6.7]	20.5 [6.0]	25.9 [7.6]	25.6 [7.5]	23.9 [7.0]	
	Power	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
110 [43.3]	Total kBtu/h [kW]	27.1 [7.9]	26.7 [7.8]	25.6 [7.5]	25.7 [7.5]	25.3 [7.4]	24.3 [7.1]	24.7 [7.2]	24.4 [7.2]	23.4 [6.9]	
	Sens kBtu/h [kW]	18.5 [5.4]	17.9 [5.2]	16.0 [4.7]	23.2 [6.8]	22.4 [6.6]	20.0 [5.9]	24.7 [7.2]	24.4 [7.2]	23.4 [6.9]	
	Power	2.8	2.8	2.7	2.8	2.8	2.7	2.8	2.7	2.7	
115 [46.1]	Total kBtu/h [kW]	25.7 [7.5]	25.4 [7.4]	24.3 [7.1]	24.3 [7.1]	24.0 [7.0]	23.0 [6.7]	23.4 [6.9]	23.1 [6.8]	22.1 [6.5]	
	Sens kBtu/h [kW]	17.8 [5.2]	17.2 [5.0]	15.4 [4.5]	22.5 [6.6]	21.7 [6.4]	19.4 [5.7]	23.4 [6.9]	23.1 [6.8]	22.1 [6.5]	
	Power	2.9	2.9	2.9	2.9	2.9	2.8	2.9	2.9	2.8	
120 [48.9]	Total kBtu/h [kW]	24.2 [7.1]	23.9 [7.0]	22.9 [6.7]	22.8 [6.7]	22.5 [6.6]	21.6 [6.3]	21.9 [6.4]	21.6 [6.3]	20.7 [6.1]	
	Sens kBtu/h [kW]	17.0 [5.0]	16.4 [4.8]	14.7 [4.3]	21.7 [6.4]	21.0 [6.2]	18.8 [5.5]	21.9 [6.4]	21.6 [6.3]	20.7 [6.1]	
	Power	3.1	3.1	3.0	3.1	3.0	3.0	3.1	3.0	3.0	
125 [51.7]	Total kBtu/h [kW]	22.6 [6.6]	22.3 [6.5]	21.4 [6.3]	21.2 [6.2]	20.9 [6.1]	20.1 [5.9]	20.3 [5.9]	20.0 [5.9]	19.2 [5.6]	
	Sens kBtu/h [kW]	16.1 [4.7]	15.5 [4.5]	13.9 [4.1]	20.8 [6.1]	20.1 [5.9]	18.0 [5.3]	20.3 [5.9]	20.0 [5.9]	19.2 [5.6]	
	Power	3.2	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.1	

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/h
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 COOLING PERFORMANCE DATA—RHPBZR036

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]			1325 [625]	1200 [566]	975 [460]	1325 [625]	1200 [566]	975 [460]	1325 [625]	1200 [566]	975 [460]
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	43.4 [12.7] 26.4 [7.7] 2.6	42.6 [12.5] 25.2 [7.4] 2.6	41.1 [12.0] 23.0 [6.7] 2.5	41.2 [12.1] 31.6 [9.3] 2.6	40.4 [11.8] 30.2 [8.9] 2.5	39.1 [11.5] 27.5 [8.1] 2.5	39.0 [11.4] 36.2 [10.6] 2.5	38.3 [11.2] 34.5 [10.1] 2.5	37.0 [10.8] 31.5 [9.2] 2.5
	80 [26.7]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	42.1 [12.3] 25.6 [7.5] 2.7	41.3 [12.1] 24.4 [7.2] 2.7	39.9 [11.7] 22.2 [6.5] 2.7	40v [11.7] 30.8 [9.0] 2.7	39.2 [11.5] 29.4 [8.6] 2.7	37.9 [11.1] 26.8 [7.9] 2.6	37.8 [11.1] 35.3 [10.3] 2.7	37.1 [10.9] 33.7 [9.9] 2.7	35.8 [10.5] 30.7 [9.0] 2.6
	85 [29.4]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	40.9 [12.0] 24.8 [7.3] 2.9	40.1 [11.8] 23.7 [6.9] 2.9	38.8 [11.4] 21.6 [6.3] 2.8	38.7 [11.3] 30.0 [8.8] 2.9	38.0 [11.1] 28.6 [8.4] 2.8	36.7 [10.8] 26.1 [7.6] 2.8	36.6 [10.7] 34.6 [10.1] 2.9	35.9 [10.5] 33.0 [9.7] 2.8	34.7 [10.2] 30.1 [8.8] 2.8
	90 [32.2]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	39.6 [11.6] 24.1 [7.1] 3.1	38.9 [11.4] 23.0 [6.7] 3.0	37.6 [11.0] 21.0 [6.2] 3.0	37.5 [11.0] 29.3 [8.6] 3.0	36.8 [10.8] 28.0 [8.2] 3.0	35.5 [10.4] 25.5 [7.5] 3.0	35.3 [10.3] 33.9 [9.9] 3.0	34.7 [10.2] 32.3 [9.5] 3.0	33.5 [9.8] 29.5 [8.6] 2.9
	95 [35]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	38.4 [11.3] 23.5 [6.9] 3.2	37.7 [11.0] 22.4 [6.6] 3.2	36.4 [10.7] 20.5 [6.0] 3.1	36.2 [10.6] 28.7 [8.4] 3.2	35.6 [10.4] 27.4 [8.0] 3.2	34.4 [10.1] 25.0 [7.3] 3.1	34.1 [10.0] 33.3 [9.8] 3.2	33.4 [9.8] 31.7 [9.3] 3.2	32.3 [9.5] 29.0 [8.5] 3.1
	100 [37.8]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	37.2 [10.9] 23.0 [6.7] 3.4	36.5 [10.7] 21.9 [6.4] 3.4	35.2 [10.3] 20.0 [5.9] 3.3	35.0 [10.3] 28.2 [8.3] 3.4	34.3 [10.1] 26.9 [7.9] 3.4	33.2 [9.7] 24.6 [7.2] 3.3	32.8 [9.6] 32.8 [9.6] 3.4	32.2 [9.4] 31.2 [9.1] 3.4	31.1 [9.1] 28.5 [8.4] 3.3
	105 [40.6]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	35.9 [10.5] 22.6 [6.6] 3.6	35.3 [10.3] 21.5 [6.3] 3.6	34.1 [10.0] 19.6 [5.7] 3.5	33.8 [9.9] 27.8 [8.1] 3.6	33.1 [9.7] 26.5 [7.8] 3.6	32.0 [9.4] 24.2 [7.1] 3.5	31.6 [9.3] 31.6 [9.3] 3.6	31.0 [9.1] 30.8 [9.0] 3.5	29.9 [8.8] 28.1 [8.2] 3.5
	110 [43.3]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	34.7 [10.2] 22.2 [6.5] 3.8	34.0 [10.0] 21.2 [6.2] 3.8	32.9 [9.6] 19.3 [5.7] 3.7	32.5 [9.5] 27.4 [8.0] 3.8	31.9 [9.3] 26.2 [7.7] 3.8	30.8 [9.0] 23.9 [7.0] 3.7	30.3 [8.9] 30.3 [8.9] 3.8	29.8 [8.7] 29.8 [8.7] 3.7	28.8 [8.4] 27.8 [8.1] 3.7
	115 [46.1]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	33.4 [9.8] 21.9 [6.4] 4.0	32.8 [9.6] 20.9 [6.1] 4.0	31.7 [9.3] 19.1 [5.6] 3.9	31.3 [9.2] 27.2 [8.0] 4.0	30.7 [9.0] 25.9 [7.6] 4.0	29.6 [8.7] 23.6 [6.9] 3.9	29.1 [8.5] 29.1 [8.5] 4.0	28.6 [8.4] 28.6 [8.4] 4.0	27.6 [8.1] 27.6 [8.1] 3.9
	120 [48.9]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	32.2 [9.4] 21.8 [6.4] 4.2	31.6 [9.3] 20.7 [6.1] 4.2	30.5 [8.9] 18.9 [5.5] 4.1	30.0 [8.8] 27.0 [7.9] 4.2	29.5 [8.6] 25.7 [7.5] 4.2	28.5 [8.4] 23.5 [6.9] 4.1	27.9 [8.2] 27.9 [8.2] 4.2	27.3 [8.0] 27.3 [8.0] 4.2	26.4 [7.7] 26.4 [7.7] 4.1
	125 [51.7]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	31.0 [9.1] 21.7 [6.4] 4.5	30.4 [8.9] 20.6 [6.0] 4.4	29.4 [8.6] 18.8 [5.5] 4.3	28.8 [8.4] 26.9 [7.9] 4.4	28.3 [8.3] 25.6 [7.5] 4.4	27.3 [8.0] 23.4 [6.9] 4.3	26.6 [7.8] 26.6 [7.8] 4.4	26.1 [7.6] 26.1 [7.6] 4.4	25.2 [7.4] 25.2 [7.4] 4.3

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/h
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 COOLING PERFORMANCE DATA—RHPBZR042

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]			1575 [743]	1400 [661]	1125 [531]	1575 [743]	1400 [661]	1125 [531]	1575 [743]	1400 [661]	1125 [531]
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	52.8 [15.5] 32.6 [9.6] 3.0	51.6 [15.1] 30.8 [9.0] 2.9	49.8 [14.6] 28.0 [8.2] 2.9	49.8 [14.6] 38.3 [11.2] 2.9	48.7 [14.3] 36.2 [10.6] 2.9	47.0 [13.8] 32.9 [9.6] 2.8	46.8 [13.7] 41.0 [12.0] 2.9	45.8 [13.4] 38.8 [11.4] 2.9	44.1 [12.9] 35.2 [10.3] 2.8
	80 [26.7]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	51.0 [14.9] 31.4 [9.2] 3.1	49.9 [14.6] 29.6 [8.7] 3.1	48.1 [14.1] 26.9 [7.9] 3.0	48.0 [14.1] 37.1 [10.9] 3.1	46.9 [13.7] 35.0 [10.3] 3.0	45.3 [13.3] 31.8 [9.3] 3.0	45.0 [13.2] 39.8 [11.7] 3.0	44.0 [12.9] 37.6 [11.0] 3.0	42.4 [12.4] 34.1 [10.0] 3.0
	85 [29.4]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	49.2 [14.4] 30.3 [8.9] 3.3	48.1 [14.1] 28.6 [8.4] 3.2	46.4 [13.6] 26.0 [7.6] 3.2	46.2 [13.5] 35.9 [10.5] 3.2	45.2 [13.2] 34.0 [10.0] 3.2	43.6 [12.8] 30.9 [9.1] 3.1	43.2 [12.7] 38.7 [11.3] 3.2	42.3 [12.4] 36.5 [10.7] 3.2	40.7 [11.9] 33.2 [9.7] 3.1
	90 [32.2]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	47.4 [13.9] 29.3 [8.6] 3.4	46.4 [13.6] 27.6 [8.1] 3.4	44.7 [13.1] 25.1 [7.4] 3.3	44.4 [13.0] 35.0 [10.3] 3.4	43.4 [12.7] 33.0 [9.7] 3.4	41.9 [12.3] 30.0 [8.8] 3.3	41.4 [12.1] 37.7 [11.0] 3.4	40.5 [11.9] 35.6 [10.4] 3.3	39.1 [11.5] 32.3 [9.5] 3.3
	95 [35]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	45.7 [13.4] 28.4 [8.3] 3.6	44.6 [13.1] 26.8 [7.9] 3.5	43.0 [12.6] 24.4 [7.2] 3.5	42.6 [12.5] 34.1 [10.0] 3.6	41.7 [12.2] 32.2 [9.4] 3.5	40.2 [11.8] 29.3 [8.6] 3.5	39.6 [11.6] 36.8 [10.8] 3.5	38.8 [11.4] 34.8 [10.2] 3.5	37.4 [11.0] 31.6 [9.3] 3.4
	100 [37.8]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	43.9 [12.9] 27.6 [8.1] 3.8	42.9 [12.6] 26.1 [7.6] 3.7	41.4 [12.1] 23.7 [6.9] 3.7	40.9 [12.0] 33.3 [9.8] 3.7	39.9 [11.7] 31.5 [9.2] 3.7	38.5 [11.3] 28.6 [8.4] 3.6	37.8 [11.1] 36.0 [10.6] 3.7	37.0 [10.8] 34.1 [10.0] 3.7	35.7 [10.5] 30.9 [9.1] 3.6
	105 [40.6]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	42.1 [12.3] 27.0 [7.9] 3.9	41.1 [12.0] 25.5 [7.5] 3.9	39.7 [11.6] 23.2 [6.8] 3.8	39.1 [11.5] 32.7 [9.6] 3.9	38.2 [11.2] 30.9 [9.1] 3.9	36.8 [10.8] 28.1 [8.2] 3.8	36.1 [10.6] 35.4 [10.4] 3.9	35.3 [10.3] 33.5 [9.8] 3.8	34.0 [10.0] 30.4 [8.9] 3.8
	110 [43.3]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	40.3 [11.8] 26.5 [7.8] 4.1	39.4 [11.5] 25.0 [7.3] 4.1	38.0 [11.1] 22.7 [6.7] 4.0	37.3 [10.9] 32.2 [9.4] 4.1	36.4 [10.7] 30.4 [8.9] 4.0	35.1 [10.3] 27.6 [8.1] 4.0	34.3 [10.1] 34.3 [10.1] 4.1	33.5 [9.8] 33.0 [9.7] 4.0	32.3 [9.5] 30.0 [8.8] 3.9
	115 [46.1]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	38.5 [11.3] 26.1 [7.6] 4.3	37.6 [11.0] 24.7 [7.2] 4.3	36.3 [10.6] 22.4 [6.6] 4.2	35.5 [10.4] 31.8 [9.3] 4.3	34.7 [10.2] 30.1 [8.8] 4.2	33.5 [9.8] 27.3 [8.0] 4.2	32.5 [9.5] 32.5 [9.5] 4.2	31.8 [9.3] 31.8 [9.3] 4.2	30.6 [9.0] 29.6 [8.7] 4.1
	120 [48.9]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	36.7 [10.8] 25.8 [7.6] 4.5	35.9 [10.5] 24.4 [7.2] 4.5	34.6 [10.1] 22.2 [6.5] 4.4	33.7 [9.9] 31.5 [9.2] 4.5	33.0 [9.7] 29.8 [8.7] 4.4	31.8 [9.3] 27.1 [7.9] 4.3	30.7 [9.0] 30.7 [9.0] 4.4	30.0 [8.8] 30.0 [8.8] 4.4	28.9 [8.5] 28.9 [8.5] 4.3
	125 [51.7]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	34.9 [10.2] 25.7 [7.5] 4.7	34.1 [10.0] 24.3 [7.1] 4.7	32.9 [9.6] 22.1 [6.5] 4.6	31.9 [9.3] 31.4 [9.2] 4.7	31.2 [9.1] 29.7 [8.7] 4.6	30.1 [8.8] 26.9 [7.9] 4.5	28.9 [8.5] 28.9 [8.5] 4.6	28.3 [8.3] 28.3 [8.3] 4.6	27.2 [8.0] 27.2 [8.0] 4.5

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

Total —Total capacity x 1000 kBTu/h
Sens —Sensible capacity x 1000 kBTu/h
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 COOLING PERFORMANCE DATA—RHPBZR060

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]			2175 [1026]	2000 [944]	1575 [743]	2175 [1026]	2000 [944]	1575 [743]	2175 [1026]	2000 [944]	1575 [743]
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	72.1 [21.1]	71.0 [20.8]	68.3 [20.0]	67.2 [19.7]	66.1 [19.4]	63.6 [18.6]	63.6 [18.6]	62.6 [18.3]	60.2 [17.6]
		Sens kBtu/h [kW]	43.2 [12.7]	41.5 [12.2]	37.4 [11.0]	51.7 [15.2]	49.7 [14.6]	44.7 [13.1]	59.6 [17.5]	57.2 [16.8]	51.5 [15.1]
		Power	4.5	4.4	4.3	4.4	4.4	4.3	4.3	4.3	4.2
	80 [26.7]	Total kBtu/h [kW]	70.2 [20.6]	69.1 [20.3]	66.4 [19.5]	65.2 [19.1]	64.2 [18.8]	61.7 [18.1]	61.7 [18.1]	60.7 [17.8]	58.4 [17.1]
		Sens kBtu/h [kW]	42.1 [12.3]	40.4 [11.8]	36.4 [10.7]	50.6 [14.8]	48.6 [14.2]	43.8 [12.8]	58.5 [17.1]	56.2 [16.5]	50.6 [14.8]
		Power	4.6	4.6	4.5	4.6	4.5	4.4	4.5	4.5	4.4
	85 [29.4]	Total kBtu/h [kW]	68.1 [20.0]	67.0 [19.6]	64.4 [18.9]	63.2 [18.5]	62.2 [18.2]	59.8 [17.5]	59.6 [17.5]	58.7 [17.2]	56.4 [16.5]
		Sens kBtu/h [kW]	40.9 [12.0]	39.3 [11.5]	35.4 [10.4]	49.5 [14.5]	47.5 [13.9]	42.8 [12.5]	57.3 [16.8]	55.1 [16.1]	49.6 [14.5]
		Power	4.8	4.8	4.7	4.7	4.7	4.6	4.7	4.7	4.6
	90 [32.2]	Total kBtu/h [kW]	65.9 [19.3]	64.9 [19.0]	62.4 [18.3]	61.0 [17.9]	60.0 [17.6]	57.7 [16.9]	57.4 [16.8]	56.5 [16.6]	54.3 [15.9]
Sens kBtu/h [kW]		39.8 [11.7]	38.3 [11.2]	34.5 [10.1]	48.4 [14.2]	46.5 [13.6]	41.8 [12.3]	56.2 [16.5]	54.0 [15.8]	48.7 [14.3]	
Power		5.0	5.0	4.9	4.9	4.9	4.8	4.9	4.8	4.8	
95 [35]	Total kBtu/h [kW]	63.6 [18.6]	62.6 [18.3]	60.2 [17.6]	58.7 [17.2]	57.8 [16.9]	55.5 [16.3]	55.2 [16.2]	54.3 [15.9]	52.2 [15.3]	
	Sens kBtu/h [kW]	38.7 [11.3]	37.2 [10.9]	33.5 [9.8]	47.2 [13.8]	45.4 [13.3]	40.9 [12.0]	55.1 [16.1]	52.9 [15.5]	47.7 [14.0]	
	Power	5.2	5.2	5.1	5.2	5.1	5.0	5.1	5.1	5.0	
100 [37.8]	Total kBtu/h [kW]	61.2 [17.9]	60.3 [17.7]	58.0 [17.0]	56.3 [16.5]	55.4 [16.2]	53.3 [15.6]	52.8 [15.5]	51.9 [15.2]	49.9 [14.6]	
	Sens kBtu/h [kW]	37.5 [11.0]	36.0 [10.6]	32.5 [9.5]	46.0 [13.5]	44.2 [13.0]	39.8 [11.7]	52.8 [15.5]	51.8 [15.2]	46.7 [13.7]	
	Power	5.4	5.4	5.3	5.4	5.3	5.2	5.3	5.3	5.2	
105 [40.6]	Total kBtu/h [kW]	58.8 [17.2]	57.8 [16.9]	55.6 [16.3]	53.8 [15.8]	53.0 [15.5]	50.9 [14.9]	50.3 [14.7]	49.5 [14.5]	47.6 [14.0]	
	Sens kBtu/h [kW]	36.3 [10.6]	34.9 [10.2]	31.4 [9.2]	44.9 [13.2]	43.1 [12.6]	38.8 [11.4]	50.3 [14.7]	49.5 [14.5]	45.6 [13.4]	
	Power	5.7	5.6	5.5	5.6	5.6	5.5	5.6	5.5	5.4	
110 [43.3]	Total kBtu/h [kW]	56.2 [16.5]	55.3 [16.2]	53.2 [15.6]	51.2 [15.0]	50.4 [14.8]	48.5 [14.2]	47.7 [14.0]	46.9 [13.7]	45.1 [13.2]	
	Sens kBtu/h [kW]	35.1 [10.3]	33.7 [9.9]	30.4 [8.9]	43.7 [12.8]	41.9 [12.3]	37.8 [11.1]	47.7 [14.0]	46.9 [13.7]	44.6 [13.1]	
	Power	5.9	5.9	5.8	5.9	5.8	5.7	5.8	5.8	5.7	
115 [46.1]	Total kBtu/h [kW]	53.5 [15.7]	52.6 [15.4]	50.6 [14.8]	48.5 [14.2]	47.8 [14.0]	45.9 [13.5]	45.0 [13.2]	44.3 [13.0]	42.6 [12.5]	
	Sens kBtu/h [kW]	33.9 [9.9]	32.6 [9.6]	29.3 [8.6]	42.4 [12.4]	40.8 [12.0]	36.7 [10.8]	45.0 [13.2]	44.3 [13.0]	42.6 [12.5]	
	Power	6.2	6.2	6.0	6.2	6.1	6.0	6.1	6.0	5.9	
120 [48.9]	Total kBtu/h [kW]	50.7 [14.9]	49.9 [14.6]	47.9 [14.0]	45.7 [13.4]	45.0 [13.2]	43.3 [12.7]	42.2 [12.4]	41.5 [12.2]	39.9 [11.7]	
	Sens kBtu/h [kW]	32.7 [9.6]	31.4 [9.2]	28.3 [8.3]	41.2 [12.1]	39.6 [11.6]	35.7 [10.5]	42.2 [12.4]	41.5 [12.2]	39.9 [11.7]	
	Power	6.5	6.4	6.3	6.4	6.4	6.3	6.4	6.3	6.2	
125 [51.7]	Total kBtu/h [kW]	47.8 [14.0]	47.0 [13.8]	45.2 [13.2]	42.8 [12.5]	42.2 [12.4]	40.5 [11.9]	39.3 [11.5]	38.7 [11.3]	37.2 [10.9]	
	Sens kBtu/h [kW]	31.4 [9.2]	30.2 [8.9]	27.2 [8.0]	40.0 [11.7]	38.4 [11.3]	34.6 [10.1]	39.3 [11.5]	38.7 [11.3]	37.2 [10.9]	
	Power	6.8	6.8	6.6	6.7	6.7	6.6	6.7	6.6	6.5	

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/h
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

HEATING PERFORMANCE DATA—RHPBZR024

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			850 [401]	800 [378]	600 [283]	850 [401]	800 [378]	600 [283]	850 [401]	800 [378]	640 [302]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW] Power	7.7 [2.3] 1.6	7.6 [2.2] 1.6	7.5 [2.2] 1.7	6.8 [2.0] 1.8	6.8 [2.0] 1.8	6.7 [2.0] 1.9	5.9 [1.7] 2.0	5.9 [1.7] 2.0	5.8 [1.7] 2.0
	5 [-15]	Total kBtu/h [kW] Power	9.4 [2.8] 1.6	9.3 [2.7] 1.6	9.2 [2.7] 1.7	8.5 [2.5] 1.8	8.5 [2.5] 1.8	8.3 [2.4] 1.9	7.6 [2.2] 1.9	7.6 [2.2] 2.0	7.5 [2.2] 2.0
	10 [-12.2]	Total kBtu/h [kW] Power	11.1 [3.3] 1.6	11.0 [3.2] 1.6	10.8 [3.2] 1.7	10.2 [3.0] 1.8	10.1 [3.0] 1.8	10.0 [2.9] 1.8	9.3 [2.7] 1.9	9.3 [2.7] 2.0	9.1 [2.7] 2.0
	15 [-9.4]	Total kBtu/h [kW] Power	12.7 [3.7] 1.6	12.7 [3.7] 1.6	12.5 [3.7] 1.7	11.9 [3.5] 1.8	11.8 [3.5] 1.8	11.6 [3.4] 1.9	11.0 [3.2] 1.9	11.0 [3.2] 2.0	10.8 [3.2] 2.0
	20 [-6.7]	Total kBtu/h [kW] Power	14.4 [4.2] 1.6	14.4 [4.2] 1.6	14.1 [4.1] 1.7	13.6 [4.0] 1.8	13.5 [4.0] 1.8	13.3 [3.9] 1.9	12.7 [3.7] 2.0	12.6 [3.7] 2.0	12.4 [3.6] 2.0
	25 [-3.9]	Total kBtu/h [kW] Power	16.1 [4.7] 1.6	16.0 [4.7] 1.7	15.8 [4.6] 1.7	15.3 [4.5] 1.8	15.2 [4.5] 1.8	14.9 [4.4] 1.9	14.4 [4.2] 2.0	14.3 [4.2] 2.0	14.1 [4.1] 2.0
	30 [-1.1]	Total kBtu/h [kW] Power	17.8 [5.2] 1.7	17.7 [5.2] 1.7	17.4 [5.1] 1.7	16.9 [5.0] 1.8	16.9 [5.0] 1.8	16.6 [4.9] 1.9	16.1 [4.7] 2.0	16.0 [4.7] 2.0	15.7 [4.6] 2.1
	35 [1.7]	Total kBtu/h [kW] Power	19.5 [5.7] 1.7	19.4 [5.7] 1.7	19.1 [5.6] 1.8	18.6 [5.5] 1.9	18.5 [5.4] 1.9	18.2 [5.3] 1.9	17.8 [5.2] 2.0	17.7 [5.2] 2.0	17.4 [5.1] 2.1
	40 [4.4]	Total kBtu/h [kW] Power	21.2 [6.2] 1.7	21.1 [6.2] 1.7	20.7 [6.1] 1.8	20.3 [5.9] 1.9	20.2 [5.9] 1.9	19.9 [5.8] 2.0	19.4 [5.7] 2.0	19.4 [5.7] 2.1	19.0 [5.6] 2.1
	45 [7.2]	Total kBtu/h [kW] Power	22.9 [6.7] 1.8	22.8 [6.7] 1.8	22.4 [6.6] 1.8	22.0 [6.4] 1.9	21.9 [6.4] 1.9	21.5 [6.3] 2.0	21.1 [6.2] 2.1	21.0 [6.2] 2.1	20.7 [6.1] 2.2
	50 [10]	Total kBtu/h [kW] Power	24.6 [7.2] 1.8	24.5 [7.2] 1.8	24.0 [7.0] 1.9	23.7 [6.9] 2.0	23.6 [6.9] 2.0	23.2 [6.8] 2.0	22.8 [6.7] 2.1	22.7 [6.7] 2.1	22.3 [6.5] 2.2

IDB —Indoor air dry bulb

HEATING PERFORMANCE DATA—RHPBZR030

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1025 [484]	1000 [472]	750 [354]	1025 [484]	1000 [472]	750 [354]	1025 [484]	1000 [472]	750 [354]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW] Power	9.1 [2.7] 1.8	9.1 [2.7] 1.8	8.9 [2.6] 1.9	8.5 [2.5] 2.0	8.5 [2.5] 2.0	8.3 [2.4] 2.1	7.9 [2.3] 2.2	7.9 [2.3] 2.2	7.8 [2.3] 2.3
	5 [-15]	Total kBtu/h [kW] Power	11.1 [3.3] 1.8	11.1 [3.3] 1.8	10.9 [3.2] 1.9	10.5 [3.1] 2.0	10.5 [3.1] 2.0	10.3 [3.0] 2.1	9.9 [2.9] 2.2	9.9 [2.9] 2.2	9.7 [2.8] 2.3
	10 [-12.2]	Total kBtu/h [kW] Power	13.1 [3.8] 1.8	13.1 [3.8] 1.8	12.8 [3.8] 1.9	12.5 [3.7] 2.0	12.5 [3.7] 2.0	12.3 [3.6] 2.1	11.9 [3.5] 2.2	11.9 [3.5] 2.2	11.7 [3.4] 2.3
	15 [-9.4]	Total kBtu/h [kW] Power	15.1 [4.4] 1.8	15.0 [4.4] 1.8	14.8 [4.3] 1.9	14.5 [4.2] 2.0	14.5 [4.2] 2.0	14.2 [4.2] 2.1	13.9 [4.1] 2.2	13.9 [4.1] 2.2	13.6 [4.0] 2.3
	20 [-6.7]	Total kBtu/h [kW] Power	17.1 [5.0] 1.8	17.0 [5.0] 1.8	16.7 [4.9] 1.9	16.5 [4.8] 2.0	16.5 [4.8] 2.0	16.2 [4.7] 2.1	15.9 [4.7] 2.2	15.9 [4.7] 2.2	15.6 [4.6] 2.3
	25 [-3.9]	Total kBtu/h [kW] Power	19.1 [5.6] 1.9	19.0 [5.6] 1.9	18.7 [5.5] 1.9	18.5 [5.4] 2.1	18.5 [5.4] 2.1	18.1 [5.3] 2.1	17.9 [5.2] 2.3	17.9 [5.2] 2.3	17.6 [5.2] 2.3
	30 [-1.1]	Total kBtu/h [kW] Power	21.1 [6.2] 1.9	21.0 [6.2] 1.9	20.7 [6.1] 2.0	20.5 [6.0] 2.1	20.5 [6.0] 2.1	20.1 [5.9] 2.2	19.9 [5.8] 2.3	19.9 [5.8] 2.3	19.5 [5.7] 2.4
	35 [1.7]	Total kBtu/h [kW] Power	23.1 [6.8] 1.9	23.0 [6.7] 1.9	22.6 [6.6] 2.0	22.5 [6.6] 2.1	22.5 [6.6] 2.1	22.1 [6.5] 2.2	21.9 [6.4] 2.3	21.9 [6.4] 2.3	21.5 [6.3] 2.4
	40 [4.4]	Total kBtu/h [kW] Power	25.1 [7.4] 2.0	25.0 [7.3] 2.0	24.6 [7.2] 2.0	24.5 [7.2] 2.2	24.5 [7.2] 2.2	24.0 [7.0] 2.2	23.9 [7.0] 2.4	23.9 [7.0] 2.4	23.5 [6.9] 2.4
	45 [7.2]	Total kBtu/h [kW] Power	27.1 [7.9] 2.0	27.0 [7.9] 2.0	26.6 [7.8] 2.1	26.5 [7.8] 2.2	26.5 [7.8] 2.2	26.0 [7.6] 2.3	25.9 [7.6] 2.4	25.9 [7.6] 2.4	25.4 [7.4] 2.5
	50 [10]	Total kBtu/h [kW] Power	29.1 [8.5] 2.1	29.0 [8.5] 2.1	28.5 [8.4] 2.2	28.5 [8.4] 2.3	28.5 [8.4] 2.3	28.0 [8.2] 2.4	27.9 [8.2] 2.5	27.9 [8.2] 2.5	27.4 [8.0] 2.6

IDB —Indoor air dry bulb

[] Designates Metric Conversions

HEATING PERFORMANCE DATA—RHPBZR036

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1400 [661]	1200 [566]	1000 [472]	1400 [661]	1200 [566]	1000 [472]	1400 [661]	1200 [566]	1000 [472]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW] Power	12.7 [3.7] 2.1	12.5 [3.7] 2.2	12.4 [3.6] 2.2	11.8 [3.5] 2.4	11.7 [3.4] 2.5	11.5 [3.4] 2.6	10.9 [3.2] 2.8	10.8 [3.2] 2.8	10.7 [3.1] 2.9
	5 [-15]	Total kBtu/h [kW] Power	15.4 [4.5] 2.2	15.2 [4.5] 2.3	15.1 [4.4] 2.3	14.5 [4.2] 2.5	14.4 [4.2] 2.6	14.2 [4.2] 2.6	13.7 [4.0] 2.8	13.5 [4.0] 2.9	13.3 [3.9] 3.0
	10 [-12.2]	Total kBtu/h [kW] Power	18.2 [5.3] 2.3	18 [5.3] 2.3	17.7 [5.2] 2.4	17.3 [5.1] 2.6	17.1 [5.0] 2.7	16.9 [5.0] 2.7	16.4 [4.8] 2.9	16.2 [4.7] 3.0	16 [4.7] 3.0
	15 [-9.4]	Total kBtu/h [kW] Power	20.9 [6.1] 2.4	20.7 [6.1] 2.4	20.4 [6.0] 2.5	20.0 [5.9] 2.7	19.8 [5.8] 2.7	19.6 [5.7] 2.8	19.2 [5.6] 3.0	18.9 [5.5] 3.1	18.7 [5.5] 3.1
	20 [-6.7]	Total kBtu/h [kW] Power	23.7 [6.9] 2.4	23.4 [6.9] 2.5	23.1 [6.8] 2.5	22.8 [6.7] 2.8	22.5 [6.6] 2.8	22.2 [6.5] 2.9	21.9 [6.4] 3.1	21.6 [6.3] 3.1	21.4 [6.3] 3.2
	25 [-3.9]	Total kBtu/h [kW] Power	26.4 [7.7] 2.5	26.1 [7.6] 2.6	25.8 [7.6] 2.6	25.5 [7.5] 2.8	25.2 [7.4] 2.9	24.9 [7.3] 3.0	24.6 [7.2] 3.1	24.3 [7.1] 3.2	24.1 [7.1] 3.3
	30 [-1.1]	Total kBtu/h [kW] Power	29.1 [8.5] 2.6	28.8 [8.4] 2.7	28.5 [8.4] 2.7	28.3 [8.3] 2.9	27.9 [8.2] 3.0	27.6 [8.1] 3.0	27.4 [8.0] 3.2	27.1 [7.9] 3.3	26.7 [7.8] 3.4
	35 [1.7]	Total kBtu/h [kW] Power	31.9 [9.3] 2.7	31.5 [9.2] 2.7	31.1 [9.1] 2.8	31.0 [9.1] 3.0	30.6 [9] 3.1	30.3 [8.9] 3.1	30.1 [8.8] 3.3	29.8 [8.7] 3.4	29.4 [8.6] 3.5
	40 [4.4]	Total kBtu/h [kW] Power	34.6 [10.1] 2.8	34.2 [10.0] 2.8	33.8 [9.9] 2.9	33.7 [9.9] 3.1	33.4 [9.8] 3.1	33.0 [9.7] 3.2	32.9 [9.6] 3.4	32.5 [9.5] 3.5	32.1 [9.4] 3.5
	45 [7.2]	Total kBtu/h [kW] Power	37.4 [11] 2.9	36.9 [10.8] 2.9	36.5 [10.7] 3.0	36.5 [10.7] 3.2	36.1 [10.6] 3.2	35.6 [10.4] 3.3	35.6 [10.4] 3.5	35.2 [10.3] 3.6	34.8 [10.2] 3.6
	50 [10]	Total kBtu/h [kW] Power	40.1 [11.8] 2.9	39.6 [11.6] 3.0	39.2 [11.5] 3.1	39.2 [11.5] 3.3	38.8 [11.4] 3.3	38.3 [11.2] 3.4	38.4 [11.3] 3.6	37.9 [11.1] 3.7	37.5 [11.0] 3.7

IDB —Indoor air dry bulb

HEATING PERFORMANCE DATA—RHPBZR042

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1550 [732]	1400 [661]	1125 [531]	1550 [732]	1400 [661]	1125 [531]	1550 [732]	1400 [661]	1125 [531]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW] Power	13.5 [4.0] 2.2	13.4 [3.9] 2.2	13.2 [3.9] 2.2	11.9 [3.5] 2.4	11.8 [3.5] 2.4	11.6 [3.4] 2.5	10.2 [3.0] 2.7	10.1 [3.0] 2.7	10.0 [2.9] 2.8
	5 [-15]	Total kBtu/h [kW] Power	16.7 [4.9] 2.3	16.6 [4.9] 2.4	16.4 [4.8] 2.4	15.0 [4.4] 2.6	14.9 [4.4] 2.6	14.7 [4.3] 2.7	13.4 [3.9] 2.9	13.3 [3.9] 2.9	13.1 [3.8] 3.0
	10 [-12.2]	Total kBtu/h [kW] Power	19.9 [5.8] 2.5	19.8 [5.8] 2.5	19.5 [5.7] 2.6	18.2 [5.3] 2.8	18.1 [5.3] 2.8	17.8 [5.2] 2.9	16.6 [4.9] 3.0	16.4 [4.8] 3.1	16.2 [4.7] 3.1
	15 [-9.4]	Total kBtu/h [kW] Power	23.1 [6.8] 2.7	22.9 [6.7] 2.7	22.6 [6.6] 2.8	21.4 [6.3] 2.9	21.3 [6.2] 3.0	21.0 [6.2] 3.0	19.7 [5.8] 3.2	19.6 [5.7] 3.2	19.3 [5.7] 3.3
	20 [-6.7]	Total kBtu/h [kW] Power	26.3 [7.7] 2.8	26.1 [7.6] 2.9	25.7 [7.5] 2.9	24.6 [7.2] 3.1	24.4 [7.2] 3.1	24.1 [7.1] 3.2	22.9 [6.7] 3.3	22.8 [6.7] 3.4	22.4 [6.6] 3.5
	25 [-3.9]	Total kBtu/h [kW] Power	29.5 [8.6] 2.9	29.3 [8.6] 3.0	28.9 [8.5] 3.1	27.8 [8.1] 3.2	27.6 [8.1] 3.2	27.2 [8.0] 3.3	26.1 [7.6] 3.5	25.9 [7.6] 3.5	25.6 [7.5] 3.6
	30 [-1.1]	Total kBtu/h [kW] Power	32.7 [9.6] 3.1	32.4 [9.5] 3.1	32.0 [9.4] 3.2	31.0 [9.1] 3.3	30.8 [9.0] 3.4	30.3 [8.9] 3.4	29.3 [8.6] 3.6	29.1 [8.5] 3.6	28.7 [8.4] 3.7
	35 [1.7]	Total kBtu/h [kW] Power	35.9 [10.5] 3.2	35.6 [10.4] 3.2	35.1 [10.3] 3.3	34.2 [10.0] 3.4	33.9 [9.9] 3.5	33.4 [9.8] 3.5	32.5 [9.5] 3.7	32.3 [9.5] 3.7	31.8 [9.3] 3.8
	40 [4.4]	Total kBtu/h [kW] Power	39.1 [11.5] 3.2	38.8 [11.4] 3.3	38.2 [11.2] 3.4	37.4 [11.0] 3.5	37.1 [10.9] 3.6	36.6 [10.7] 3.6	35.7 [10.5] 3.8	35.4 [10.4] 3.8	34.9 [10.2] 3.9
	45 [7.2]	Total kBtu/h [kW] Power	42.2 [12.4] 3.3	41.9 [12.3] 3.4	41.3 [12.1] 3.4	40.6 [11.9] 3.6	40.3 [11.8] 3.6	39.7 [11.6] 3.7	38.9 [11.4] 3.8	38.6 [11.3] 3.9	38 [11.1] 4.0
	50 [10]	Total kBtu/h [kW] Power	45.4 [13.3] 3.4	45.1 [13.2] 3.4	44.5 [13.0] 3.5	43.8 [12.8] 3.6	43.4 [12.7] 3.7	42.8 [12.5] 3.8	42.1 [12.3] 3.9	41.8 [12.3] 3.9	41.2 [12.1] 4.0

IDB —Indoor air dry bulb

[] Designates Metric Conversions

HEATING PERFORMANCE DATA—RHPBZR060

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			2175 [1026]	2000 [944]	1575 [743]	2175 [1026]	2000 [944]	1575 [743]	2175 [1026]	2000 [944]	1575 [743]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW] Power	17.2 [5.0] 3.6	17.1 [5.0] 3.7	16.8 [4.9] 3.8	15.1 [4.4] 4.0	15.0 [4.4] 4.1	14.8 [4.3] 4.2	13.1 [3.8] 4.4	13.0 [3.8] 4.5	12.8 [3.8] 4.6
	5 [-15]	Total kBtu/h [kW] Power	21.8 [6.4] 3.7	21.6 [6.3] 3.7	21.3 [6.2] 3.8	19.7 [5.8] 4.1	19.6 [5.7] 4.1	19.3 [5.7] 4.2	17.7 [5.2] 4.4	17.6 [5.2] 4.5	17.3 [5.1] 4.6
	10 [-12.2]	Total kBtu/h [kW] Power	26.3 [7.7] 3.7	26.2 [7.7] 3.8	25.8 [7.6] 3.9	24.3 [7.1] 4.1	24.1 [7.1] 4.2	23.8 [7.0] 4.3	22.2 [6.5] 4.5	22.1 [6.5] 4.5	21.8 [6.4] 4.7
	15 [-9.4]	Total kBtu/h [kW] Power	30.9 [9.1] 3.8	30.7 [9.0] 3.8	30.3 [8.9] 3.9	28.9 [8.5] 4.2	28.7 [8.4] 4.2	28.3 [8.3] 4.3	26.8 [7.9] 4.6	26.7 [7.8] 4.6	26.3 [7.7] 4.7
	20 [-6.7]	Total kBtu/h [kW] Power	35.5 [10.4] 3.9	35.3 [10.3] 3.9	34.7 [10.2] 4.0	33.4 [9.8] 4.2	33.2 [9.7] 4.3	32.7 [9.6] 4.4	31.4 [9.2] 4.6	31.2 [9.1] 4.7	30.7 [9.0] 4.8
	25 [-3.9]	Total kBtu/h [kW] Power	40.1 [11.8] 4.0	39.8 [11.7] 4.0	39.2 [11.5] 4.1	38 [11.1] 4.3	37.8 [11.1] 4.4	37.2 [10.9] 4.5	36.0 [10.6] 4.7	35.8 [10.5] 4.8	35.2 [10.3] 4.9
	30 [-1.1]	Total kBtu/h [kW] Power	44.7 [13.1] 4.1	44.4 [13] 4.1	43.7 [12.8] 4.2	42.6 [12.5] 4.4	42.3 [12.4] 4.5	41.7 [12.2] 4.6	40.6 [11.9] 4.8	40.3 [11.8] 4.9	39.7 [11.6] 5.0
	35 [1.7]	Total kBtu/h [kW] Power	49.2 [14.4] 4.2	48.9 [14.3] 4.2	48.2 [14.1] 4.3	47.2 [13.8] 4.6	46.9 [13.7] 4.6	46.2 [13.5] 4.7	45.1 [13.2] 4.9	44.9 [13.2] 5.0	44.2 [13.0] 5.1
	40 [4.4]	Total kBtu/h [kW] Power	53.8 [15.8] 4.3	53.5 [15.7] 4.4	52.7 [15.4] 4.5	51.8 [15.2] 4.7	51.4 [15.1] 4.7	50.7 [14.9] 4.9	49.7 [14.6] 5.1	49.4 [14.5] 5.1	48.7 [14.3] 5.3
	45 [7.2]	Total kBtu/h [kW] Power	58.4 [17.1] 4.5	58 [17.0] 4.5	57.2 [16.8] 4.6	56.3 [16.5] 4.8	56.0 [16.4] 4.9	55.2 [16.2] 5.0	54.3 [15.9] 5.2	54.0 [15.8] 5.3	53.2 [15.6] 5.4
	50 [10]	Total kBtu/h [kW] Power	63 [18.5] 4.6	62.6 [18.3] 4.7	61.6 [18.1] 4.8	60.9 [17.8] 5.0	60.6 [17.8] 5.1	59.6 [17.5] 5.2	58.9 [17.3] 5.4	58.5 [17.1] 5.4	57.6 [16.9] 5.6

IDB —Indoor air dry bulb

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE — RHPBZR — 208/230V

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size, Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat				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]	Tap 2	Tap 2	700 CFM / 900 CFM	10x9 Blower 1/2 hp [372] 2 Speed (Constant Torque)	Low Speed Tap 1	CFM	882	818	759	650	577	512	433	368	304
						RPM	457	533	600	693	750	818	876	931	972
						Watts	63	71	78	89	94	102	109	115	120
					High Speed Tap 2	CFM	1217	1165	1113	1067	1021	920	859	830	780
2.5 [8.79]	Tap 2	Tap 2	1000 CFM / 1400 CFM	10x9 Blower 1/2 hp [372] 2 Speed (Constant Torque)		RPM	538	597	657	715	772	864	909	946	996
						Watts	122	132	143	154	165	181	189	196	205
					Low Speed Tap 1	CFM	1143	1088	1043	989	878	836	798	750	706
						RPM	519	591	657	721	818	857	898	952	998
3.0 [10.55]	Tap 2	Tap 2	1000 CFM / 1400 CFM	10x9 Blower 1/2 hp [372] 2 Speed (Constant Torque)		Watts	107	119	129	140	156	162	169	178	186
					High Speed Tap 2	CFM	1354	1309	1265	1224	1182	1122	1028	989	957
						RPM	577	635	689	749	806	871	954	990	1026
						Watts	160	173	186	199	211	226	244	252	260
3.5 [12.31]	Tap 2	Tap 2	1000 CFM / 1400 CFM	12x9 Blower 3/4 hp [559] 2 Speed (Constant Torque)	Low Speed Tap 1	CFM	1287	1212	1136	1080	1011	945	882	787	726
						RPM	451	504	572	623	681	733	775	838	877
						Watts	121	135	151	162	174	185	193	209	219
					High Speed Tap 2	CFM	595	1522	1454	1387	1337	1286	1233	1186	1139
5.0 [17.59]	Tap 2	Tap 2	1200 CFM / 1600 CFM	12x9 Blower 3/4 hp [559] 2 Speed (Constant Torque)		RPM	524	564	612	673	715	763	808	852	889
						Watts	206	219	235	254	268	283	298	313	324
					Low Speed Tap 1	CFM	1858	1704	1655	1603	1543	1495	1446	1362	1328
						RPM	584	593	633	675	718	764	805	876	905
5.0 [17.59]	Tap 2	Tap 2	1600 CFM / 2100 CFM	12x9 Blower 1 hp [746] 2 Speed (Constant Torque)		Watts	301	269	284	299	315	332	346	372	384
					High Speed Tap 2	CFM	1592	1526	1479	1426	1361	1307	1250	1202	1147
						RPM	514	561	598	640	693	744	798	835	873
					1st Stage Low Speed (Tap 1)	CFM	1704	1574	1467	1422	1371	1326	1265	1225	1181
5.0 [17.59]	Tap 2	Tap 2	1600 CFM / 2100 CFM	12x9 Blower 1 hp [746] 2 Speed (Constant Torque)		RPM	586	589	617	659	710	758	809	847	883
						Watts	255	224	221	232	247	260	276	288	300
					2nd Stage Low Speed (Tap 2)	CFM	2189	2170	2144	2114	2083	2048	2014	1978	1947
						RPM	722	740	757	779	809	844	874	906	941
5.0 [17.59]	Tap 2	Tap 2	1600 CFM / 2100 CFM	12x9 Blower 1 hp [746] 2 Speed (Constant Torque)		Watts	522	532	540	553	569	589	608	626	647
						Watts	522	532	540	553	569	589	608	626	647

Notes: (1) For Constant Torque Motors: Use motor taps 3-5 to achieve rated airflow at AHRI minimum external static pressure.

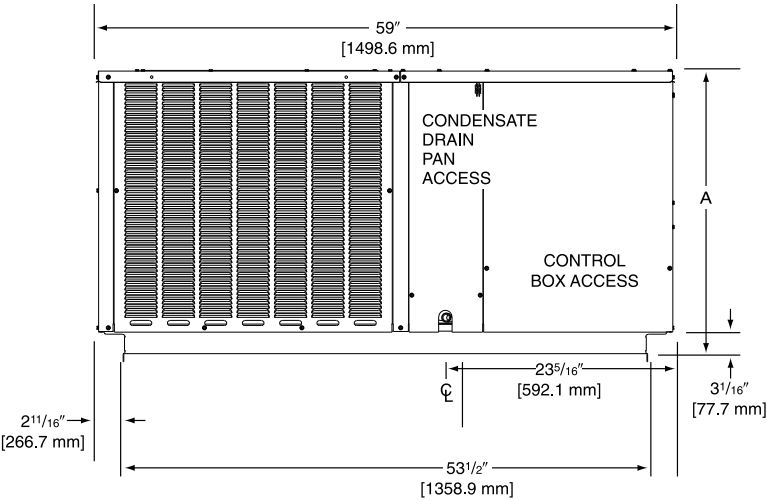
DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)					
CFM [L/s]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]
Pressure Drop—Includes W.C. [kPa]	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]
				.15 [.037]	.17 [.042]

[] Designates Metric Conversions

ELECTRICAL DATA - RHPBZR SERIES						
		024AJT	030AJT	036AJT	042AJT	060AJT
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	20	21	27	28	40
	Minimum Overcurrent Protection Device Size	25	30	40	40	60
Compressor Motor	Maximum Overcurrent Protection Device Size	25	30	40	40	60
	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	RPM	0	0	0	0	0
	HP, Compressor 1	0	0	0	0	0
	Amps (RLA), Comp. 1	10.8	11.7	15.4	15.9	23.5
	Amps (LRA), Comp. 1	55	71.3	92.1	112.3	118
	HP, Compressor 2					
	Amps (RLA), Comp. 2					
Condenser Motor	Amps (LRA), Comp. 2					
	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/2
	Amps (FLA, each)	1.5	1.5	1.5	1.8	2.3
Evaporator Fan	Amps (LRA, each)					
	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/2	1/2	3/4	3/4	1
	Amps (FLA, each)	4.1	4.1	6	6	7.6
	Amps (LRA, each)					

208/240 VOLT, SINGLE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION													
Single Power Supply for Both Unit and Heater Kit													
Model Number	Heater Kit				Heat Pump				Separate Power Supply for Both Unit and Heater Kit				
	RXQJ-Heater Kit Nominal kW	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. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240V	Over Current Protective Device Size	
							Min./Max. @ 208 V	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V
RHPBZR024AJT	No Heat	—	—	—	—	20/20	25/25	25/25	—	—	20/20	25/25	25/25
	C05J	1	3.6/4.8	12.28/16.38	17.3/20.0	41/45	45/45	50/50	22/25	25/25	20/20	25/25	25/25
	C07J	1	5.4/7.2	18.43/24.57	26.0/30.0	52/57	60/60	60/60	33/38	35/40	20/20	25/25	25/25
	C10J	1	7.2/9.6	24.57/32.76	34.7/40.0	63/70	70/70	80/80	44/50	45/50	20/20	25/25	25/25
RHPBZR030AJT	No Heat	—	—	—	—	21/21	30/30	30/30	—	—	21/21	30/30	30/30
	C05J	1	3.6/4.8	12.28/16.38	17.3/20.0	42/46	45/45	50/50	22/25	25/25	21/21	30/30	30/30
	C07J	1	5.4/7.2	18.43/24.57	26.0/30.0	53/58	60/60	60/60	33/38	35/40	21/21	30/30	30/30
	C10J	1	7.2/9.6	24.57/32.76	34.7/40.0	64/71	70/70	80/80	44/50	45/50	21/21	30/30	30/30
RHPBZR036AJT	C15J	1	10.8/14.4	36.85/49.13	52.0/60.0	86/96	90/90	100/100	65/75	70/80	21/21	30/30	30/30
	No Heat	—	—	—	—	27/27	40/40	40/40	—	—	27/27	40/40	40/40
	C05J	1	3.6/4.8	12.28/16.38	17.3/20.0	49/52	60/60	60/60	22/25	25/25	27/27	40/40	40/40
	C07J	1	5.4/7.2	18.43/24.57	26.0/30.0	60/65	70/70	70/70	33/38	35/40	27/27	40/40	40/40
RHPBZR042AJT	C10J	1	7.2/9.6	24.57/32.76	34.7/40.0	71/77	80/80	80/80	44/50	45/50	27/27	40/40	40/40
	C15J	1	10.8/14.4	36.85/49.13	52.0/60.0	92/102	100/100	110/110	65/75	70/80	27/27	40/40	40/40
	No Heat	—	—	—	—	28/28	40/40	40/40	—	—	28/28	40/40	40/40
	C05J	1	3.6/4.8	12.28/16.38	17.3/20.0	50/53	60/60	60/60	22/25	25/25	28/28	40/40	40/40
RHPBZR060AJT	C07J	1	5.4/7.2	18.43/24.57	26.0/30.0	61/66	70/70	70/70	33/38	35/40	28/28	40/40	40/40
	C10J	1	7.2/9.6	24.57/32.76	34.7/40.0	72/78	80/80	80/80	44/50	45/50	28/28	40/40	40/40
	C15J	1	10.8/14.4	36.85/49.13	52.0/60.0	93/103	100/100	110/110	65/75	70/80	28/28	40/40	40/40
	No Heat	—	—	—	—	40/40	60/60	60/60	—	—	40/40	60/60	60/60
RHPBZR060AJT	C05J	1	3.6/4.8	12.28/16.38	17.3/20.0	61/65	70/80	70/80	22/25	25/25	40/40	60/60	60/60
	C07J	1	5.4/7.2	18.43/24.57	26.0/30.0	72/77	80/80	80/90	33/38	35/40	40/40	60/60	60/60
	C10J	1	7.2/9.6	24.57/32.76	34.7/40.0	83/90	90/90	100/100	44/50	45/50	40/40	60/60	60/60
	C15J	1	10.8/14.4	36.85/49.13	52.0/60.0	105/115	110/110	125/125	65/75	70/80	40/40	60/60	60/60
C20J	1	14.4/19.2	49.13/65.51	69.3/80.0	126/140	150/150	150/150	150/150	87/100	90/100	40/40	60/60	60/60

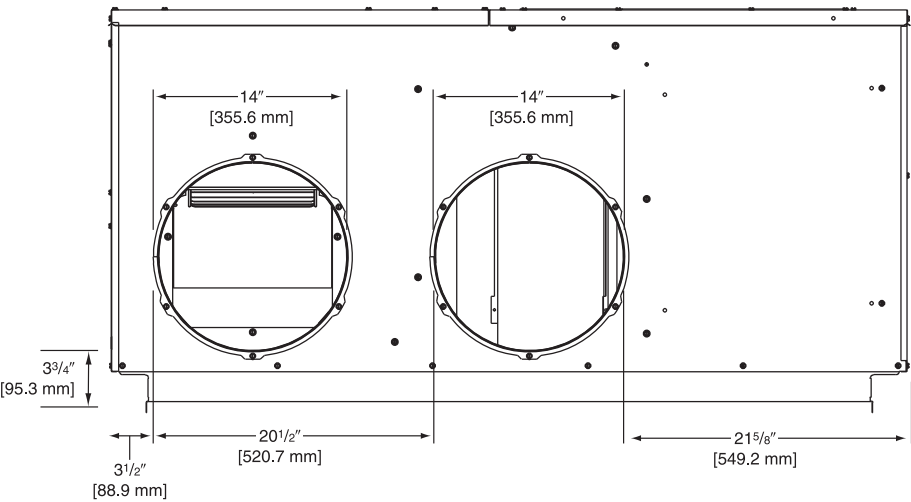
FRONT VIEW



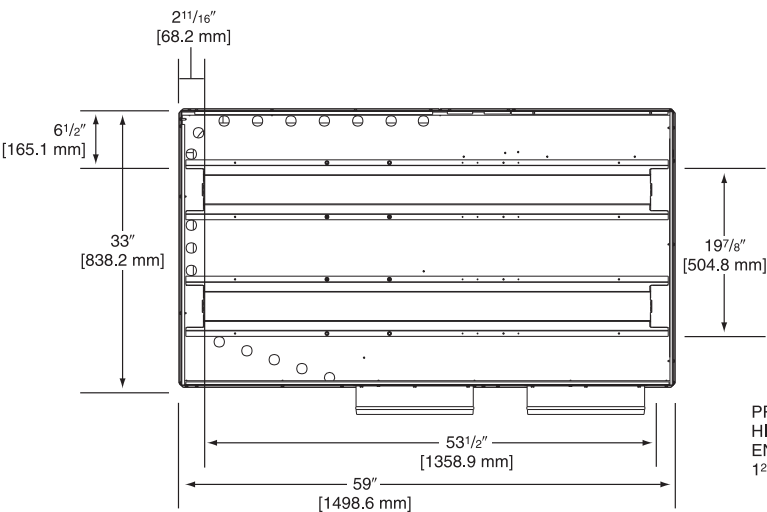
DIMENSIONS

Model	Height "A"
024, 030	29 1/8"
036, 042, 060	37 1/8"

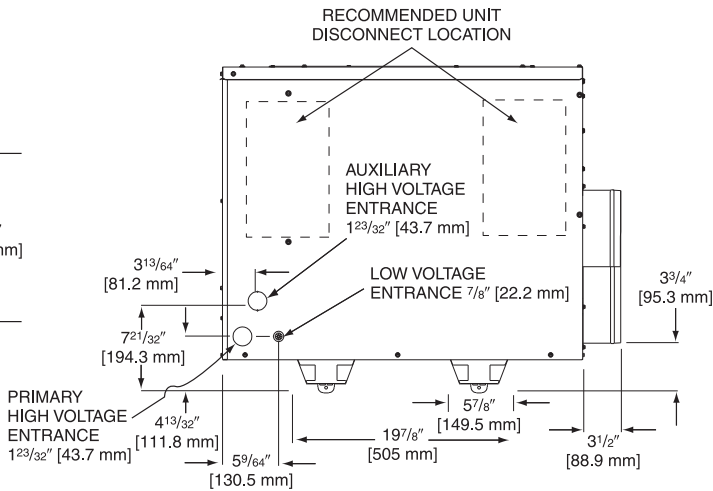
REAR VIEW



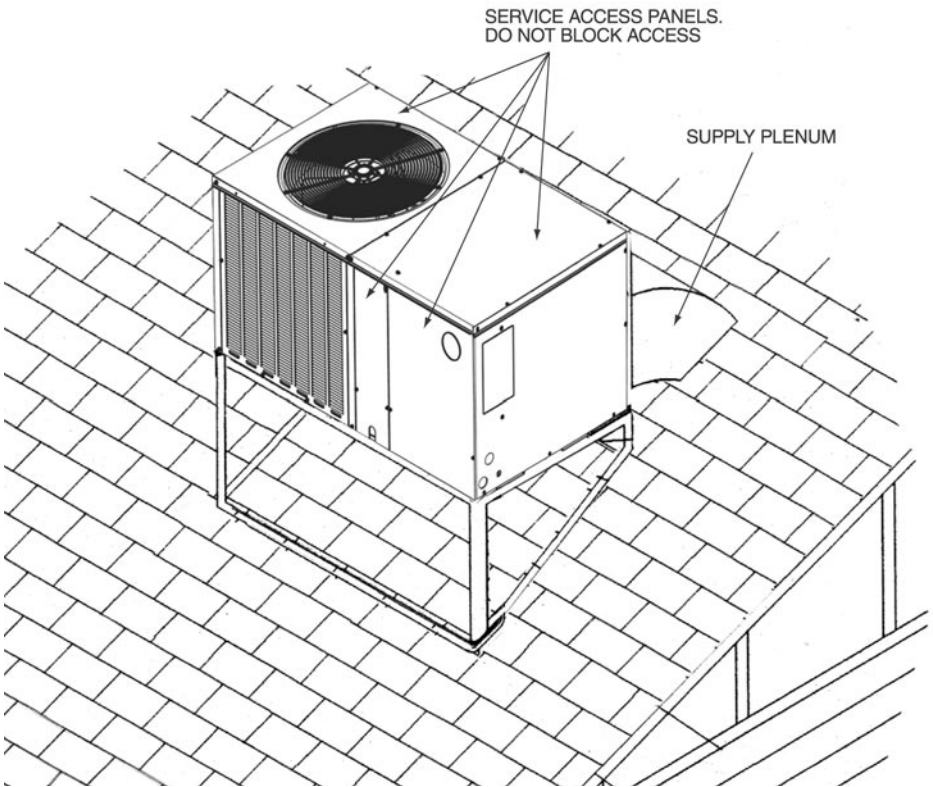
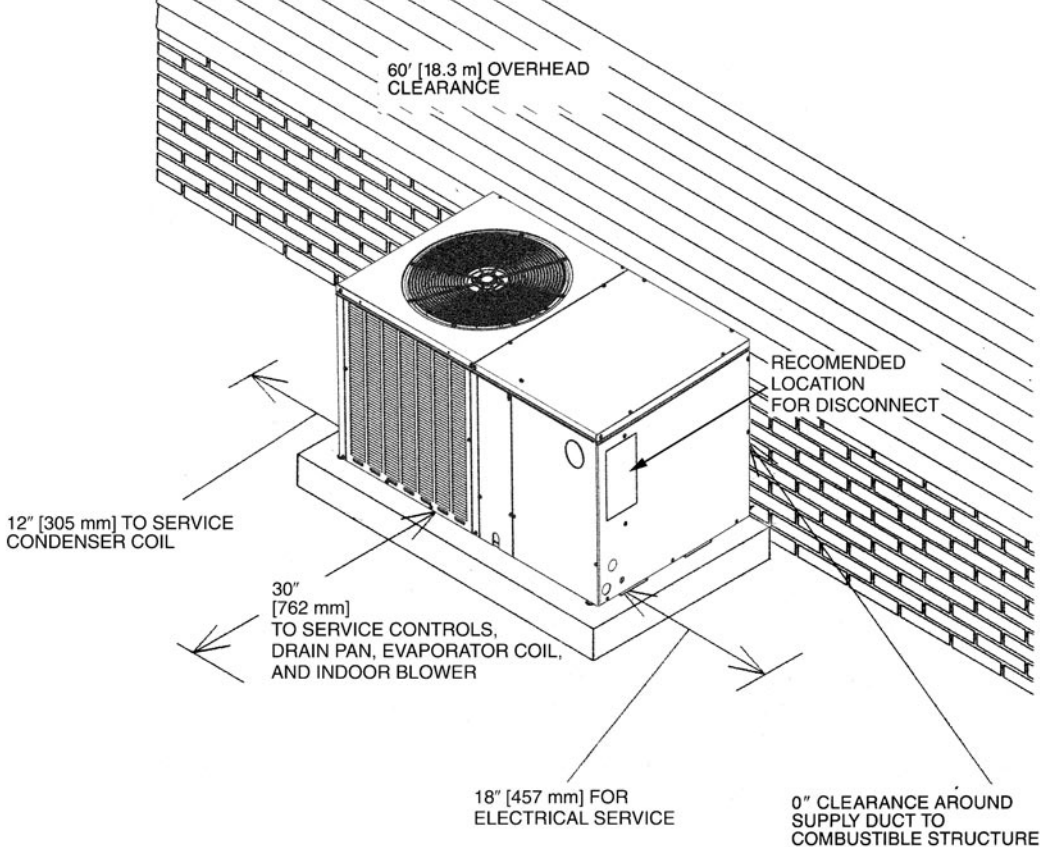
BOTTOM VIEW



ELECTRICAL CONNECTIONS



[] Designates Metric Conversions



[] Designates Metric Conversions



GENERAL TERMS OF LIMITED WARRANTY*

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

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

Conditional Parts (Registration Required)

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

Compressor

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

1 & 3 Phase, Commercial Applications.....Five (5) Years

Parts

1 & 3 Phase, Commercial Applications.....One (1) Year

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.

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