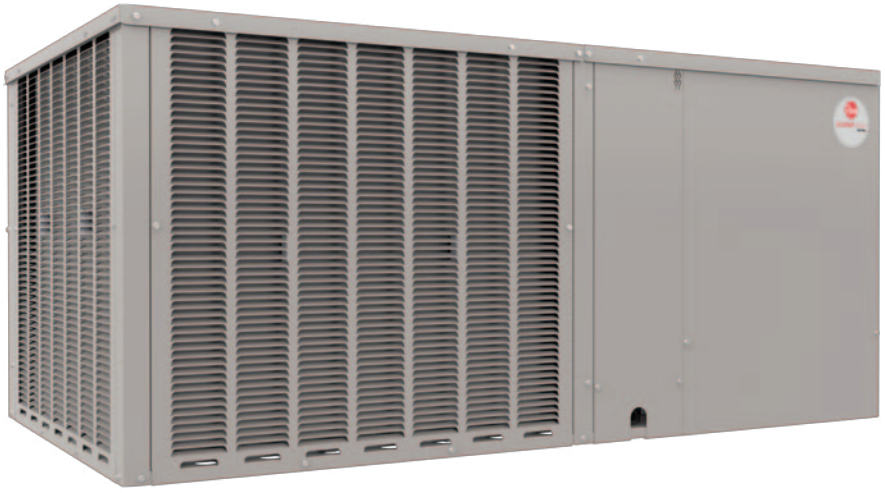
engineered for life™

Endeavor® Line *Classic Plus*® Series iR Residential Packaged Dedicated Horizontal Heat Pumps



RHPBYC Series

Nominal Sizes: 2 to 5 Tons [7.0 to 17.6 kW]
Cooling Efficiency up to: 15.2 SEER2
Heating Efficiency up to: 7.2 HSPF2
Refrigerant Type: R-454B

ISO 9001:2015

c UL us LISTED

AHRI CERTIFIED™ www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240

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FEATURES AND BENEFITS

- **Two-Stage Scroll Compressors on all Models:** Provides maximum efficiency and quiet operation
- **Two Thermal Expansion Valves:** One for cooling, one for heating and are standard on all models for precise superheat control, reliability, and energy efficiency at all operating conditions
- **High and Low Pressure Controls:** Standard on all models for refrigerant component protection and reliability
- **Filter Drier:** Standard on all models
- **100% Factory Run Tested**
- **Tinned Indoor Coil:** Available as factory-installed option for better formicary corrosion resistance
- **PlusOne® Refrigerant Detection System™:** An integrated one-box, patented design featuring the A2L sensor and mitigation board, offering easier commissioning with a single component and simplified wiring configuration, compatibility with any 24V thermostat application and system protection by automatically pausing outdoor unit operation – if excess refrigerant is detected
- **Metal Base Rails:** Allow for separation between the unit base and the ground level, protecting the base from ground moisture and providing air circulation around the unit. It also allows 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
- **Two Round 14" Duct Collars:** Included with each unit. 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 form sliding off after installation
- **Easy High and Low Refrigerant Pressure Measurement:** Two gauge ports located inside the control box allow for ease and accuracy
- **Removable Sloped Drain Pan:** Accessible through a small side panel. Helps to ensure indoor air quality (IAQ) throughout the life of the unit
- **Closed-Cell Insulation:** Used on the base of the unit, to prevent moisture from being absorbed and helps reduce mold content
- **Louvered Condenser Compartment:** Protects the coil against yard hazards and/or weather extremes
- **Easy Accessible Controls:**
  - — Located in a large control box providing plenty of space for troubleshooting
  - — Demand defrost control is used to manage the defrost cycle
  - — Transformer is protected by an in-line fuse, which protects the transformer during a low-voltage electrical short
  - — Low-voltage and high-voltage wiring connections are easily accessed and have ample room to maneuver
  - — Number and color-coded wiring aids in troubleshooting and corresponds with the large, easy-to-read wiring diagram located on the inside of the control box access panel
- **Easily Removable Outdoor and Indoor Section Top Cover:** Allows access to the compressor, refrigerant tubing, blower housing and motors for easy required cleaning and service
- **Factory and Field Installed Supplemental Electric Heat Strips:** Available for periods of extreme cold temperatures with either dual or single-point power
- **Designing for Sustainability with Low GWP:** For 2025, the Environmental Protection Agency (EPA) has set a global warming potential (GWP) limit of 700 for refrigerant used in heating and cooling systems. This new requirement will result in a 78%[1] lower GWP than previous-generation refrigerants with only minimal changes to system installation. For us, this is another step toward our continued sustainability goal of reducing greenhouse gas emissions, while still delivering an exceptional level if energy efficient, dependable comfort

[1]*When comparing the GWP of A2L refrigerants R-454B to R-410A refrigerant.*

Heat Pumps

R	HP	B	Y	C	024	A	J	T	00	0	N	A
Brand	**Product Category**	**Platform**	**Refrigerant**	**Tier**	**Capacity BTU/HR**	**Major Series**	**Voltage**	**Drive**	**Electric Heat**	**Electric Heat Configuration**	**Control**	**Minor Series**
R - Rheem	HP - Heat Pump	B - ResiPack Dedicated Horizontal	Y - R-454B	C - Mid Tier (15.2 SEER2)	024 - 24K BTUH [7.03 kW] 036 - 36K BTUH [10.55 kW] 048 - 48K BTUH [14.07 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
RHPBYC024AJT000NA
RHPBYC024AJT101NA
RHPBYC036AJT000NA
RHPBYC036AJT101NA
RHPBYC048AJT000NA
RHPBYC048AJT151NA
RHPBYC060AJT000NA
RHPBYC060AJT201NA

NOTE: Further heater kits available to purchase for field installation.
Tinned evaporator coil options (AUA) also available.

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

Model RHPBYC Series	024AJT	036AJT	048AJT	060AJT
Cooling Performance[1]				
Nominal Cooling Capacity Btu/h	24,000 [7.03]	36,000 [10.55]	48,000 [14.06]	60,000 [17.58]
EER2/SEER2	11.5/15.0	11.5/15.2	11.0/15.2	11.0/15.2
Nominal CFM/AHRI Rated CFM	800/750 [378/354]	1,275/1,200 [602/566]	1,400/1,400 [661/661]	1,850/1,800 [873/850]
AHRI Net Cooling Capacity Btu/h	22,800 [6.68]	34,200 [10.02]	46,000 [13.48]	56,500 [16.56]
Net Sensible Capacity Btu/h [kW]	17,586 [5.15]	27,201 [7.97]	34,809 [10.20]	42,532 [12.46]
Net Latent Capacity Btu/h [kW]	5,214 [1.53]	6,999 [2.05]	11,191 [3.28]	13,968 [4.09]
Net System Power kW	1.85	2.88	4.08	5.17
Heating Performance (Heat Pumps)[2]				
High Temp. Btu/h [kW] Rating	22,600 [6.62]	34,000 [9.96]	45,500 [13.33]	56,500 [16.56]
High System Power COP	3.42	3.69	3.39	3.60
Low Temp. BTU/h [kW] Rating	12,000 [3.52]	17,900 [5.25]	26,400 [7.74]	35,000 [10.26]
High System Power COP	2.19	2.33	2.26	2.42
HSPF2 (Btu/h/Watts-h)	6.7	7.2	7.2	7.2
Compressor				
No./Type	1/2/scroll	1/2/scroll	1/2/scroll	1/2/scroll
Outdoor Sound Rating (dB)[3]	69	71	80	87
Outdoor Coil—Fin Type	Rheem 3/8 Louver	Rheem 3/8 Louver	Rheem 3/8 Louver	Rheem 3/8 Louver
Tube Type	Rifle 1840	Rifle 1840	Rifle 1840	Rifle 1840
Rifled: Tube Size OD or	0.375 [9.53]	0.375 [9.53]	0.375 [9.53]	0.375 [9.53]
Face Area sq. ft. [sq. m]	13.65 [1.27]	13.65 [1.27]	16.54 [1.54]	16.54 [1.54]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil - Fin Type	Rheem 3/8 Louver	Rheem 3/8 Louver	Rheem 3/8 Louver	Rheem 3/8 Louver
Tube Type	Rifle 1840	Rifle 1840	Rifle 1840	Rifle 1840
Rifled: Tube Size OD or	0.375 [9.53]	0.375 [9.53]	0.375 [9.53]	0.375 [9.53]
Face Area sq. ft. [sq. m]	5.8 [0.54]	5.8 [0.54]	5.8 [0.54]	5.8 [0.54]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TXV	TXV	TXV	TXV
Drain Connection No./Size in. [mm]	1 / 1,000 [25.40]	1 / 1,000 [25.40]	1 / 1,000 [25.40]	1 / 1,000 [25.40]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24.0 [609.6]	1/24.0 [609.6]	1/24.0 [609.6]	1/24.0 [609.6]
Drive Type/No. Speeds	Direct / 1	Direct / 1	Direct / 2	Direct / 2
CFM [L/s]	2,700 [1,274]	3,000 [1,416]	3,000/4,400 [1,416/2,077]	3,000/4,400 [1,416/2,077]
No. Motors/HP	1 at 1/3	1 at 1/3	1 at 1/2	1 at 1/2
Motor RPM	750	825	710 / 1,010	750 / 1,050
Indoor Fan - Type	Constant Torque	Constant Torque	Constant Torque	Constant Torque
No. Used/Diameter in. [mm]	1 / 12 x 9 [305 x 229]	1 / 12 x 9 [305 x 229]	1 / 12 x 9 [305 x 229]	1 / 12 x 9 [305 x 229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple Speed	Multiple Speed	Multiple Speed	Multiple Speed
No. Motors	1	1	1	1
Motor HP	1/2	3/4	3/4	1
Motor RPM	1,050	1,050	1,050	1,050
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]	(0) 1 x 24 x 24 [25 x 609 x 609]	(0) 1 x 24 x 24 [25 x 609 x 609]	(0) 1 x 24 x 24 [25 x 609 x 609]	(0) 1 x 24 x 24 [25 x 609 x 609]
Refrigerant Charge Oz. [g]	194.4 [5,510.0]	179.3 [5,083.1]	198.6 [4,560.0]	192.0 [5,443.1]
Weights				
Net Weight lbs. [kg]	330 [149.7]	350 [158.8]	430 [195.0]	430 [195.0]
Ship Weight lbs. [kg]	355 [161.0]	375 [170.1]	455 [206.4]	455 [206.4]

See Page 6 for Notes.

[ ] Designates Metric Conversions

NOTES:

1. Cooling Performance is rated at 95°F ambient, 80°F entering dry bulb, 67°F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation 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. EER2 and/or SEER2 are rated at AHRI conditions and in accordance with DOE test procedures.
3. HSPF2 is rated at AHRI conditions and in accordance with DOE test procedures.

GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPBYC024

RHPBYC024 - 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]			950 [448]	800 [378]	725 [342]	950 [448]	800 [378]	725 [342]	950 [448]	800 [378]	725 [342]
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	31.6 [9.3]	30.5 [8.9]	30.0 [8.8]	29.0 [8.5]	28.0 [8.2]	27.6 [8.1]	27.1 [7.9]	26.2 [7.7]	25.8 [7.6]
		Sens kBtu/h [kW]	20.0 [5.9]	18.4 [5.4]	17.6 [5.2]	21.9 [6.4]	20.1 [5.9]	19.2 [5.6]	24.4 [7.2]	22.5 [6.6]	21.5 [6.3]
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
	80 [26.7]	Total kBtu/h [kW]	30.9 [9.1]	29.9 [8.8]	29.3 [8.6]	28.3 [8.3]	27.4 [8.0]	26.9 [7.9]	26.4 [7.7]	25.5 [7.5]	25.1 [7.4]
		Sens kBtu/h [kW]	19.8 [5.8]	18.2 [5.3]	17.4 [5.1]	21.7 [6.4]	19.9 [5.8]	19.0 [5.6]	24.2 [7.1]	22.2 [6.5]	21.3 [6.2]
		Power	1.6	1.6	1.5	1.6	1.6	1.5	1.6	1.5	1.5
	85 [29.4]	Total kBtu/h [kW]	30.1 [8.8]	29.1 [8.5]	28.6 [8.4]	27.6 [8.1]	26.7 [7.8]	26.2 [7.7]	25.7 [7.5]	24.8 [7.3]	24.4 [7.2]
		Sens kBtu/h [kW]	19.5 [5.7]	17.9 [5.2]	17.2 [5.0]	21.4 [6.3]	19.6 [5.7]	18.8 [5.5]	23.9 [7.0]	22.0 [6.4]	21.0 [6.2]
		Power	1.7	1.6	1.6	1.7	1.6	1.6	1.7	1.6	1.6
	90 [32.2]	Total kBtu/h [kW]	29.3 [8.6]	28.4 [8.3]	27.9 [8.2]	26.8 [7.9]	25.9 [7.6]	25.5 [7.5]	24.9 [7.3]	24.1 [7.1]	23.6 [6.9]
		Sens kBtu/h [kW]	19.2 [5.6]	17.6 [5.2]	16.8 [4.9]	21.0 [6.2]	19.3 [5.7]	18.5 [5.4]	23.6 [6.9]	21.7 [6.4]	20.7 [6.1]
		Power	1.8	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7
	95 [35]	Total kBtu/h [kW]	28.5 [8.4]	27.5 [8.1]	27.1 [7.9]	25.9 [7.6]	25.1 [7.4]	24.6 [7.2]	24.0 [7.0]	23.2 [6.8]	22.8 [6.7]
		Sens kBtu/h [kW]	18.8 [5.5]	17.2 [5.0]	16.5 [4.8]	20.6 [6.0]	19.0 [5.6]	18.1 [5.3]	23.2 [6.8]	21.3 [6.2]	20.4 [6.0]
		Power	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8
	100 [37.8]	Total kBtu/h [kW]	27.6 [8.1]	26.7 [7.8]	26.2 [7.7]	25.0 [7.3]	24.2 [7.1]	23.8 [7.0]	23.1 [6.8]	22.3 [6.5]	22.0 [6.4]
		Sens kBtu/h [kW]	18.3 [5.4]	16.8 [4.9]	16.1 [4.7]	20.1 [5.9]	18.5 [5.4]	17.7 [5.2]	22.7 [6.7]	20.9 [6.1]	19.9 [5.8]
		Power	2.0	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9
	105 [40.6]	Total kBtu/h [kW]	26.6 [7.8]	25.7 [7.5]	25.3 [7.4]	24.0 [7.0]	23.2 [6.8]	22.8 [6.7]	22.1 [6.5]	21.4 [6.3]	21.0 [6.2]
		Sens kBtu/h [kW]	17.8 [5.2]	16.3 [4.8]	15.6 [4.6]	19.6 [5.7]	18.0 [5.3]	17.2 [5.0]	22.1 [6.5]	20.4 [6.0]	19.5 [5.7]
		Power	2.1	2.0	2.0	2.1	2.0	2.0	2.1	2.0	2.0
	110 [43.3]	Total kBtu/h [kW]	25.6 [7.5]	24.7 [7.2]	24.3 [7.1]	23.0 [6.7]	22.2 [6.5]	21.9 [6.4]	21.1 [6.2]	20.4 [6.0]	20.1 [5.9]
		Sens kBtu/h [kW]	17.2 [5.0]	15.8 [4.6]	15.1 [4.4]	19.0 [5.6]	17.5 [5.1]	16.7 [4.9]	21.1 [6.2]	19.8 [5.8]	19.0 [5.6]
		Power	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1
	115 [46.1]	Total kBtu/h [kW]	24.5 [7.2]	23.7 [6.9]	23.3 [6.8]	21.9 [6.4]	21.2 [6.2]	20.8 [6.1]	20.0 [5.9]	19.3 [5.7]	19.0 [5.6]
		Sens kBtu/h [kW]	16.5 [4.8]	15.2 [4.5]	14.5 [4.2]	18.4 [5.4]	16.9 [5.0]	16.2 [4.7]	20.0 [5.9]	19.2 [5.6]	18.4 [5.4]
		Power	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.2	2.2
	120 [48.9]	Total kBtu/h [kW]	23.3 [6.8]	22.6 [6.6]	22.2 [6.5]	20.8 [6.1]	20.1 [5.9]	19.7 [5.8]	18.9 [5.5]	18.2 [5.3]	17.9 [5.2]
		Sens kBtu/h [kW]	15.8 [4.6]	14.5 [4.2]	13.9 [4.1]	17.7 [5.2]	16.2 [4.7]	15.5 [4.5]	18.9 [5.5]	18.2 [5.3]	17.8 [5.2]
		Power	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3
	125 [51.7]	Total kBtu/h [kW]	22.1 [6.5]	21.4 [6.3]	21.0 [6.2]	19.6 [5.7]	18.9 [5.5]	18.6 [5.5]	17.7 [5.2]	17.1 [5.0]	16.8 [4.9]
		Sens kBtu/h [kW]	15.0 [4.4]	13.8 [4.0]	13.2 [3.9]	16.9 [5.0]	15.5 [4.5]	14.8 [4.3]	17.7 [5.2]	17.1 [5.0]	16.8 [4.9]
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

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

Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/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—RHPBYC036

RHPBYC036 - 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]			1350 [637]	1300 [637]	1050 [496]	1350 [637]	1300 [637]	1050 [496]	1350 [637]	1300 [637]	1050 [496]
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	43.7 [12.8]	43.4 [12.7]	41.9 [12.3]	40.5 [11.9]	40.2 [11.8]	38.8 [11.4]	38.2 [11.2]	37.9 [11.1]	36.6 [10.7]
		Sens kBtu/h [kW]	25.7 [7.5]	25.2 [7.4]	23.0 [6.7]	31.2 [9.1]	30.7 [9.0]	27.9 [8.2]	38.2 [11.2]	37.5 [11.0]	34.1 [10.0]
		Power	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.3
	80 [26.7]	Total kBtu/h [kW]	42.8 [12.5]	42.5 [12.5]	41.0 [12.0]	39.6 [11.6]	39.4 [11.5]	38.0 [11.1]	37.3 [10.9]	37.1 [10.9]	35.8 [10.5]
		Sens kBtu/h [kW]	25.4 [7.4]	24.9 [7.3]	22.7 [6.7]	31.0 [9.1]	30.4 [8.9]	27.7 [8.1]	37.3 [10.9]	37.1 [10.9]	33.9 [9.9]
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4
	85 [29.4]	Total kBtu/h [kW]	41.8 [12.3]	41.6 [12.2]	40.1 [11.8]	38.7 [11.3]	38.4 [11.3]	37.1 [10.9]	36.4 [10.7]	36.1 [10.6]	34.8 [10.2]
		Sens kBtu/h [kW]	25.0 [7.3]	24.6 [7.2]	22.4 [6.6]	30.6. [9.0]	30.1 [8.8]	27.4 [8.0]	36.4 [10.7]	36.1 [10.6]	33.6 [9.8]
		Power	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	90 [32.2]	Total kBtu/h [kW]	40.8 [12.0]	40.5 [11.9]	39.1 [11.5]	37.6 [11.0]	37.3 [10.9]	36.0 [10.6]	35.3 [10.3]	35.0 [10.3]	33.8 [9.9]
		Sens kBtu/h [kW]	24.6 [7.2]	24.2 [7.1]	22.0 [6.4]	30.2 [8.9]	29.7 [8.7]	27.0 [7.9]	35.3 [10.3]	35.0 [10.3]	33.2. [9.7]
		Power	2.8	2.8	2.7	2.8	2.7	2.7	2.7	2.7	2.7
	95 [35]	Total kBtu/h [kW]	39.6 [11.6]	39.3 [11.5]	38.0 [11.1]	36.4 [10.7]	36.2 [10.6]	34.9 [10.2]	34.1 [10.0]	33.9 [9.9]	32.7 [9.6]
		Sens kBtu/h [kW]	24.2. [7.1]	23.7. [6.9]	21.6 [6.3]	29.7 [8.7]	29.2 [8.6]	26.6 [7.8]	34.1 [10.0]	33.9 [9.9]	32.7 [9.6]
		Power	2.9	2.9	2.9	2.9	2.9	2.8	2.9	2.9	2.8
	100 [37.8]	Total kBtu/h [kW]	38.4 [11.3]	38.1 [11.2]	36.8 [10.8]	35.2 [10.3]	34.9 [10.2]	33.7 [9.9]	32.9 [9.6]	32.7. [9.6]	31.5 [9.2]
		Sens kBtu/h [kW]	23.6 [6.9]	23.2. [6.8]	21.1. [6.2]	29.2 [8.6]	28.7 [8.4]	26.1 [7.6]	32.9 [9.6]	32.7 [9.6]	31.5 [9.2]
		Power	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	105 [40.6]	Total kBtu/h [kW]	37.0 [10.8]	36.8 [10.8]	35.5 [10.4]	33.9 [9.9]	33.6 [9.8]	32.4 [9.5]	31.5 [9.2]	31.3 [9.2]	30.2 [8.9]
		Sens kBtu/h [kW]	23.1 [6.8]	22.7. [6.7]	20.6 [6.0]	28.6 [8.4]	28.1 [8.2]	25.6 [7.5]	31.5 [9.2]	31.3 [9.2]	30.2 [8.9]
		Power	3.2	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.1
	110 [43.3]	Total kBtu/h [kW]	35.6 [10.4]	35.3 [10.3]	34.1 [10.0]	32.4. [9.5]	32.2. [9.4]	31.1 [9.1]	30.1 [8.8]	29.9 [8.8]	28.8 [8.4]
		Sens kBtu/h [kW]	22.4 [6.6]	22.0 [6.4]	20.1 [5.9]	28.0 [8.2]	27.5 [8.1]	25.0 [7.3]	30.1. [8.8]	29.9 [8.8]	28.8 [8.4]
		Power	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	115 [46.1]	Total kBtu/h [kW]	34.1 [10.0]	33.8 [9.9]	32.6 [9.6]	30.9 [9.1]	30.7. [9.0]	29.6 [8.7]	28.6 [8.4]	28.4. [8.3]	27.4 [8.0]
		Sens kBtu/h [kW]	21.7 [6.4]	21.4 [6.3]	19.4 [5.7]	27.3 [8.0]	26.8 [7.9]	24.4. [7.2]	28.6 [8.4]	28.4 [8.3]	27.4 [8.0]
		Power	3.5	3.5	3.5	3.5	3.5	3.4	3.5	3.5	3.4
	120 [48.9]	Total kBtu/h [kW]	32.4. [9.5]	32.2 [9.4]	31.1 [9.1]	29.3. [8.6]	29.1 [8.5]	28.0 [8.2]	27.0 [7.9]	26.8 [7.9]	25.8. [7.6]
		Sens kBtu/h [kW]	21.0. [6.2]	20.6 [6.0]	18.8 [5.5]	26.6 [7.8]	26.1 [7.6]	23.7 [6.9]	27.0 [7.9]	26.8 [7.9]	25.8 [7.6]
		Power	3.7	3.7	3.6	3.7	3.7	3.6	3.7	3.7	3.6
	125 [51.7]	Total kBtu/h [kW]	30.7 [9.0]	30.5 [8.9]	29.4 [8.6]	27.5 [8.1]	27.4 [8.0]	26.4. [7.7]	25.2 [7.4]	25.1 [7.4]	24.2 [7.1]
		Sens kBtu/h [kW]	20.2 [5.9]	19.8 [5.8]	18.0 [5.3]	25.7 [7.5]	25.3 [7.4]	23.0 [6.7]	25.2 [7.4]	25.1. [7.4]	24.2 [7.1]
		Power	3.9	3.9	3.8	3.9	3.9	3.8	3.9	3.8	3.8

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

Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/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—RHPBYC048

RHPBYC048 - 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]			1775 [838]	1425 [673]	1375 [649]	1775 [838]	1425 [673]	1375 [649]	1775 [838]	1425 [673]	1375 [649]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	61.1 [17.9]	58.5 [17.1]	58.1 [17.0]	57.8 [16.9]	55.4 [16.2]	55.0 [16.1]	54.6 [16.0]	52.3 [15.3]	51.9 [15.2]	
		Sens kBtu/h [kW]	35.9 [10.5]	32.2 [9.4]	31.7 [9.3]	43.5 [12.7]	39.0 [11.4]	38.3 [11.2]	49.9 [14.6]	44.8 [13.1]	44.1 [12.9]	
		Power	3.6	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	
	80 [26.7]	Total kBtu/h [kW]	59.1 [17.3]	56.5 [16.6]	56.2 [16.5]	55.8 [16.4]	53.4 [15.7]	53.1 [15.6]	52.5 [15.4]	50.3 [14.7]	50.0 [14.7]	
		Sens kBtu/h [kW]	34.8 [10.2]	31.2 [9.1]	30.7 [9.0]	42.3 [12.4]	38.0 [11.1]	37.4 [11.0]	48.8 [14.3]	43.8 [12.8]	43.1 [12.6]	
		Power	3.7	3.7	3.6	3.7	3.6	3.6	3.6	3.5	3.5	
	85 [29.4]	Total kBtu/h [kW]	57.0 [16.7]	54.6 [16.0]	54.2 [15.9]	53.8 [15.8]	51.5 [15.1]	51.1 [15.0]	50.5 [14.8]	48.3 [14.2]	48.0 [14.1]	
		Sens kBtu/h [kW]	33.7 [9.9]	30.2 [8.9]	29.7. [8.7]	41.3 [12.1]	37.0 [10.8]	36.4 [10.7]	47.8 [14.0]	42.9 [12.6]	42.1 [12.3]	
		Power	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	
	90 [32.2]	Total kBtu/h [kW]	55.0 [16.1]	52.6 [15.4]	52.3 [15.3]	51.7 [15.2]	49.5 [14.5]	49.2 [14.4]	48.5 [14.2]	46.4 [13.6]	46.1 [13.5]	
		Sens kBtu/h [kW]	32.7. [9.6]	29.3 [8.6]	28.9 [8.5]	40.3 [11.8]	36.1 [10.6]	35.5 [10.4]	46.8 [13.7]	41.9 [12.3]	41.3 [12.1]	
		Power	4.1	4.0	4.0	4.0	3.9	3.9	4.0	3.9	3.9	
	95 [35]	Total kBtu/h [kW]	52.9 [15.5]	50.7 [14.9]	50.4 [14.8]	49.7 [14.6]	47.6 [14.0]	47.3 [13.9]	46.4 [13.6]	44.4 [13.0]	44.2 [13.0]	
		Sens kBtu/h [kW]	31.7 [9.3]	28.5 [8.4]	28.0 [8.2]	39.3 [11.5]	35.3 [10.3]	34.7 [10.2]	45.8 [13.4]	41.1 [12.0]	40.4 [11.8]	
		Power	4.3	4.2	4.1	4.2	4.1	4.1	4.1	4.0	4.0	
	100 [37.8]	Total kBtu/h [kW]	50.9 [14.9]	48.7 [14.3]	48.4 [14.2]	47.6 [14.0]	45.6 [13.4]	45.3 [13.3]	44.4 [13.0]	42.5 [12.5]	42.2 [12.4]	
		Sens kBtu/h [kW]	30.9 [9.1]	27.7 [8.1]	27.2 [8.0]	38.4 [11.3]	34.5 [10.1]	33.9 [9.9]	44.4 [13.0]	40.3 [11.8]	39.6 [11.6]	
		Power	4.4	4.3	4.3	4.4	4.3	4.3	4.3	4.2	4.2	
	105 [40.6]	Total kBtu/h [kW]	48.9 [14.3]	46.8 [13.7]	46.5 [13.6]	45.6 [13.4]	43.7 [12.8]	43.4 [12.7]	42.3 [12.4]	40.5 [11.9]	40.3 [11.8]	
		Sens kBtu/h [kW]	30.0 [8.8]	26.9. [7.9]	26.5 [7.8]	37.6 [11.0]	33.7 [9.9]	33.2 [9.7]	42.3 [12.4]	39.5 [11.6]	38.9 [11.4]	
		Power	4.6	4.5	4.5	4.5	4.4	4.4	4.5	4.4	4.4	
	110 [43.3]	Total kBtu/h [kW]	46.8 [13.7]	44.8 [13.1]	44.5 [13.0]	43.6 [12.8]	41.7 [12.2]	41.4 [12.1]	40.3 [11.8]	38.6 [11.3]	38.3 [11.2]	
		Sens kBtu/h [kW]	29.2 [8.6]	26.2 [7.7]	25.8 [7.6]	36.8 [10.8]	33.0 [9.7]	32.5 [9.5]	40.3 [11.8]	38.6 [11.3]	38.2 [11.2]	
		Power	4.8	4.7	4.6	4.7	4.6	4.6	4.6	4.5	4.5	
	115 [46.1]	Total kBtu/h [kW]	44.8 [13.1]	42.9 [12.6]	42.6 [12.5]	41.5 [12.2]	39.8 [11.7]	39.5 [11.6]	38.3 [11.2]	36.6 [10.7]	36.4 [10.7]	
		Sens kBtu/h [kW]	28.5 [8.4]	25.6 [7.5]	25.2 [7.4]	36.1 [10.6]	32.4 [9.5]	31.8 [9.3]	38.3 [11.2]	36.6 [10.7]	36.4 [10.7]	
		Power	4.9	4.8	4.8	4.9	4.8	4.8	4.8	4.7	4.7	
	120 [48.9]	Total kBtu/h [kW]	42.8 [12.5]	40.9 [12.0]	40.7 [11.9]	39.5 [11.6]	37.8 [11.1]	37.6 [11.0]	36.2 [10.6]	34.7 [10.2]	34.5 [10.1]	
		Sens kBtu/h [kW]	27.8 [8.1]	25.0. [7.3]	24.6 [7.2]	35.4 [10.4]	31.8 [9.3]	31.3 [9.2]	36.2 [10.6]	34.7 [10.2]	34.5 [10.1]	
		Power	5.1	5.0	5.0	5.0	4.9	4.9	5.0	4.9	4.9	
	125 [51.7]	Total kBtu/h [kW]	40.7 [11.9]	39.0 [11.4]	38.7 [11.3]	37.5 [11.0]	35.9 [10.5]	35.6 [10.4]	34.2 [10.0]	32.7 [9.6]	32.5 [9.5]	
		Sens kBtu/h [kW]	27.2 [8.0]	24.4 [7.2]	24.0 [7.0]	34.8 [10.2]	31.2 [9.1]	30.7 [9.0]	34.2 [10.0]	32.7 [9.6]	32.5 [9.5]	
		Power	5.3	5.2	5.1	5.2	5.1	5.1	5.1	5.0	5.0	

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

Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/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—RHPBYC060

RHPBYC060 - 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]	1875 [885]	1700 [802]	2175 [1026]	1875 [885]	1700 [802]	2175 [1026]	1875 [885]	1700 [802]
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	68.1 [20.0]	66.2 [19.4]	65.0 [19.1]	65.1 [19.1]	63.3 [18.6]	62.2 [18.2]	62.1 [18.2]	60.3 [17.7]	59.3 [17.4]
		Sens kBtu/h [kW]	40.1 [11.8]	37.4 [11.0]	35.7 [10.5]	50.0 [14.7]	46.5 [13.6]	44.5 [13.0]	56.9 [16.7]	52.9 [15.5]	50.6 [14.8]
		Power	4.5	4.4	4.4	4.4	4.4	4.3	4.4	4.3	4.3
	80 [26.7]	Total kBtu/h [kW]	66.8 [19.6]	64.9 [19.0]	63.8 [18.7]	63.8 [18.7]	62.0 [18.2]	60.9 [17.8]	60.8 [17.8]	59.1 [17.3]	58.1 [17.0]
		Sens kBtu/h [kW]	39.7 [11.6]	37.0 [10.8]	35.4 [10.4]	49.6 [14.5]	46.2 [13.5]	44.1 [12.9]	56.5 [16.6]	52.5 [15.4]	50.2 [14.7]
		Power	4.7	4.6	4.6	4.6	4.6	4.5	4.6	4.5	4.5
	85 [29.4]	Total kBtu/h [kW]	65.5 [19.2]	63.7 [18.7]	62.6 [18.3]	62.5 [18.3]	60.7 [17.8]	59.7 [17.5]	59.5 [17.4]	57.8 [16.9]	56.9 [16.7]
		Sens kBtu/h [kW]	39.4 [11.5]	36.6 [10.7]	35.0 [10.3]	49.2 [14.4]	45.8 [13.4]	43.8 [12.8]	56.1 [16.4]	52.2 [15.3]	49.9 [14.6]
		Power	4.9	4.8	4.8	4.9	4.8	4.8	4.8	4.7	4.7
	90 [32.2]	Total kBtu/h [kW]	64.2 [18.8]	62.4 [18.3]	61.3 [18.0]	61.2 [17.9]	59.5 [17.4]	58.5 [17.1]	58.2 [17.1]	56.6 [16.6]	55.6 [16.3]
		Sens kBtu/h [kW]	39.0 [11.4]	36.3 [10.6]	34.7 [10.2]	48.9 [14.3]	45.5 [13.3]	43.5 [12.7]	55.7 [16.3]	51.9 [15.2]	49.6 [14.5]
		Power	5.1	5.0	5.0	5.1	5.0	5.0	5.0	4.9	4.9
	95 [35]	Total kBtu/h [kW]	62.9 [18.4]	61.2 [17.9]	60.1 [17.6]	59.9 [17.6]	58.2 [17.1]	57.3 [16.8]	56.9 [16.7]	55.3 [16.2]	54.4 [15.9]
		Sens kBtu/h [kW]	38.7 [11.3]	36.0 [10.6]	34.4 [10.1]	48.6 [14.2]	45.2 [13.2]	43.2 [12.7]	55.4 [16.2]	51.6 [15.1]	49.3 [14.4]
		Power	5.3	5.3	5.2	5.3	5.2	5.2	5.2	5.2	5.1
	100 [37.8]	Total kBtu/h [kW]	61.6 [18.1]	59.9 [17.6]	58.9 [17.3]	58.7 [17.2]	57.0 [16.7]	56.0 [16.4]	55.7 [16.3]	54.1 [15.9]	53.2 [15.6]
		Sens kBtu/h [kW]	38.4 [11.3]	35.7 [10.5]	34.2 [10.0]	48.3 [14.2]	44.9 [13.2]	43.0 [12.6]	55.1 [16.1]	51.3 [15.0]	49.1 [14.4]
		Power	5.6	5.5	5.4	5.5	5.4	5.4	5.5	5.4	5.3
	105 [40.6]	Total kBtu/h [kW]	60.4 [17.7]	58.7 [17.2]	57.7 [16.9]	57.4 [16.8]	55.7 [16.3]	54.8 [16.1]	54.4 [15.9]	52.8 [15.5]	51.9 [15.2]
		Sens kBtu/h [kW]	38.2 [11.2]	35.5 [10.4]	34.0 [10.0]	48.0 [14.1]	44.7 [13.1]	42.8 [12.5]	54.4 [15.9]	51.1 [15.0]	48.9 [14.3]
		Power	5.8	5.7	5.6	5.7	5.7	5.6	5.7	5.6	5.6
	110 [43.3]	Total kBtu/h [kW]	59.1 [17.3]	57.4 [16.8]	56.4 [16.5]	56.1 [16.4]	54.5 [16.0]	53.6 [15.7]	53.1 [15.6]	51.6 [15.1]	50.7 [14.9]
		Sens kBtu/h [kW]	38.0 [11.1]	35.3 [10.3]	33.8 [9.9]	47.8 [14.0]	44.5 [13.0]	42.6 [12.5]	53.1 [15.6]	50.9 [14.9]	48.7 [14.3]
		Power	6.0	5.9	5.9	6.0	5.9	5.8	5.9	5.8	5.8
	115 [46.1]	Total kBtu/h [kW]	57.8 [16.9]	56.2 [16.5]	55.2 [16.2]	54.8 [16.1]	53.2 [15.6]	52.3 [15.3]	51.8 [15.2]	50.3 [14.7]	49.5 [14.5]
		Sens kBtu/h [kW]	37.8 [11.1]	35.2 [10.3]	33.6 [9.8]	47.7 [14.0]	44.3 [13.0]	42.4 [12.4]	51.8 [15.2]	50.3 [14.7]	48.5 [14.2]
		Power	6.2	6.1	6.1	6.2	6.1	6.0	6.1	6.0	6.0
	120 [48.9]	Total kBtu/h [kW]	56.5 [16.6]	54.9 [16.1]	54.0 [15.8]	53.5 [15.7]	52.0 [15.2]	51.1 [15.0]	50.5 [14.8]	49.1 [14.4]	48.3 [14.2]
		Sens kBtu/h [kW]	37.6 [11.0]	35.0 [10.3]	33.5 [9.8]	47.5 [13.9]	44.2 [13.0]	42.3 [12.4]	50.5 [14.8]	49.1 [14.4]	48.3 [14.2]
		Power	6.4	6.3	6.3	6.4	6.3	6.3	6.3	6.2	6.2
	125 [51.7]	Total kBtu/h [kW]	55.2 [16.2]	53.7 [15.7]	52.7 [15.4]	52.2 [15.3]	50.7 [14.9]	49.9 [14.6]	49.2 [14.4]	47.8 [14.0]	47.0 [13.8]
		Sens kBtu/h [kW]	37.5 [11.0]	34.9 [10.2]	33.4 [9.8]	47.4 [13.9]	44.1 [12.9]	42.2 [12.4]	49.2 [14.4]	47.8 [14.0]	47.0 [13.8]
		Power	6.6	6.6	6.5	6.6	6.5	6.5	6.6	6.5	6.4

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

Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/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—RHPBYC024

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			825 [389]	800 [378]	650 [307]	825 [389]	800 [378]	650 [307]	825 [389]	800 [378]	650 [307]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW]	8.2 [2.4]	8.1 [2.4]	8.0 [2.3]	7.4 [2.2]	7.4 [2.2]	7.3 [2.1]	6.6 [1.9]	6.6 [1.9]	6.5 [1.9]
		Power	1.4	1.4	1.4	1.6	1.6	1.6	1.8	1.8	1.8
	5 [-15]	Total kBtu/h [kW]	9.8 [2.9]	9.7 [2.8]	9.6 [2.8]	9.0 [2.6]	8.9 [2.6]	8.8 [2.6]	8.2 [2.4]	8.2 [2.4]	8.0 [2.3]
		Power	1.4	1.4	1.4	1.6	1.6	1.6	1.8	1.8	1.9
	10 [-12.2]	Total kBtu/h [kW]	11.3 [3.3]	11.3 [3.3]	11.2 [3.3]	10.6 [3.1]	10.5 [3.1]	10.4 [3.0]	9.8 [2.9]	9.7 [2.8]	9.6 [2.8]
		Power	1.4	1.4	1.4	1.6	1.6	1.6	1.8	1.8	1.9
	15 [-9.4]	Total kBtu/h [kW]	12.9 [3.8]	12.9 [3.8]	12.7 [3.7]	12.1 [3.5]	12.1 [3.5]	12.0 [3.5]	11.4 [3.3]	11.3 [3.3]	11.2 [3.3]
		Power	1.4	1.4	1.4	1.6	1.6	1.7	1.8	1.8	1.9
	20 [-6.7]	Total kBtu/h [kW]	14.5 [4.2]	14.5 [4.2]	14.3 [4.2]	13.7 [4.0]	13.7 [4.0]	13.5 [4.0]	12.9 [3.8]	12.9 [3.8]	12.7 [3.7]
		Power	1.4	1.4	1.5	1.7	1.7	1.7	1.9	1.9	1.9
	25 [-3.9]	Total kBtu/h [kW]	16.1 [4.7]	16.1 [4.7]	15.9 [4.7]	15.3 [4.5]	15.3 [4.5]	15.1 [4.4]	14.5 [4.2]	14.5 [4.2]	14.3 [4.2]
		Power	1.5	1.5	1.5	1.7	1.7	1.7	1.9	1.9	2.0
	30 [-1.1]	Total kBtu/h [kW]	17.7 [5.2]	17.7 [5.2]	17.4 [5.1]	16.9 [5.0]	16.9 [5.0]	16.7 [4.9]	16.1 [4.7]	16.1 [4.7]	15.9 [4.7]
		Power	1.5	1.5	1.6	1.7	1.7	1.8	2.0	2.0	2.0
	35 [1.7]	Total kBtu/h [kW]	19.3 [5.7]	19.2 [5.6]	19.0 [5.6]	18.5 [5.4]	18.5 [5.4]	18.2 [5.3]	17.7 [5.2]	17.7 [5.2]	17.4 [5.1]
		Power	1.6	1.6	1.6	1.8	1.8	1.8	2.0	2.0	2.1
	40 [4.4]	Total kBtu/h [kW]	20.9 [6.1]	20.8 [6.1]	20.6 [6]	20.1 [5.9]	20.0 [5.9]	19.8 [5.8]	19.3 [5.7]	19.3 [5.7]	19.0 [5.6]
		Power	1.6	1.6	1.7	1.9	1.9	1.9	2.1	2.1	2.1
	45 [7.2]	Total kBtu/h [kW]	22.5 [6.6]	22.4 [6.6]	22.1 [6.5]	21.7 [6.4]	21.6 [6.3]	21.3 [6.2]	20.9 [6.1]	20.8 [6.1]	20.6 [6.0]
		Power	1.7	1.7	1.7	1.9	1.9	2.0	2.1	2.1	2.2
	50 [10]	Total kBtu/h [kW]	24.1 [7.1]	24.0 [7.0]	23.7 [6.9]	23.3 [6.8]	23.2 [6.8]	22.9 [6.7]	22.5 [6.6]	22.4 [6.6]	22.1 [6.5]
		Power	1.8	1.8	1.8	2.0	2.0	2.1	2.2	2.2	2.3

IDB —Indoor air dry bulb

HEATING PERFORMANCE DATA—RHPBYC036

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1300 [614]	1300 [614]	1000 [472]	1300 [614]	1300 [614]	1000 [472]	1300 [614]	1300 [614]	1000 [472]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW]	11.7 [3.4]	11.7 [3.4]	11.5 [3.4]	10.8 [3.2]	10.8 [3.2]	10.6 [3.1]	9.8 [2.9]	9.8 [2.9]	9.6 [2.8]
		Power	2.0	2.0	2.0	2.2	2.2	2.3	2.5	2.5	2.6
	5 [-15]	Total kBtu/h [kW]	14.3 [4.2]	14.3 [4.2]	14.0 [4.1]	13.3 [3.9]	13.3 [3.9]	13.1 [3.8]	12.3 [3.6]	12.3 [3.6]	12.1 [3.5]
		Power	2.0	2.0	2.1	2.3	2.3	2.3	2.6	2.6	2.6
	10 [-12.2]	Total kBtu/h [kW]	16.8 [4.9]	16.8 [4.9]	16.5 [4.8]	15.8 [4.6]	15.8 [4.6]	15.5 [4.5]	14.8 [4.3]	14.8 [4.3]	14.6 [4.3]
		Power	2.1	2.1	2.1	2.3	2.3	2.4	2.6	2.6	2.7
	15 [-9.4]	Total kBtu/h [kW]	19.3 [5.7]	19.3 [5.7]	19.0 [5.6]	18.3 [5.4]	18.3 [5.4]	18.0 [5.3]	17.3 [5.1]	17.3 [5.1]	17.1 [5.0]
		Power	2.1	2.1	2.2	2.4	2.4	2.5	2.7	2.7	2.8
	20 [-6.7]	Total kBtu/h [kW]	21.8 [6.4]	21.8 [6.4]	21.5 [6.3]	20.8 [6.1]	20.8 [6.1]	20.5 [6.0]	19.9 [5.8]	19.9 [5.8]	19.5 [5.7]
		Power	2.2	2.2	2.3	2.5	2.5	2.5	2.8	2.8	2.8
	25 [-3.9]	Total kBtu/h [kW]	24.3 [7.1]	24.3 [7.1]	23.9 [7.0]	23.4 [6.9]	23.4 [6.9]	23.0 [6.7]	22.4 [6.6]	22.4 [6.6]	22.0 [6.4]
		Power	2.3	2.3	2.3	2.5	2.5	2.6	2.8	2.8	2.9
	30 [-1.1]	Total kBtu/h [kW]	26.9 [7.9]	26.9 [7.9]	26.4 [7.7]	25.9 [7.6]	25.9 [7.6]	25.5 [7.5]	24.9 [7.3]	24.9 [7.3]	24.5 [7.2]
		Power	2.3	2.3	2.4	2.6	2.6	2.6	2.9	2.9	3.0
	35 [1.7]	Total kBtu/h [kW]	29.4 [8.6]	29.4 [8.6]	28.9 [8.5]	28.4 [8.3]	28.4 [8.3]	27.9 [8.2]	27.4 [8.0]	27.4 [8.0]	27.0 [7.9]
		Power	2.4	2.4	2.4	2.6	2.6	2.7	2.9	2.9	3.0
	40 [4.4]	Total kBtu/h [kW]	31.9 [9.3]	31.9 [9.3]	31.4 [9.2]	30.9 [9.1]	30.9 [9.1]	30.4 [8.9]	29.9 [8.8]	29.9 [8.8]	29.5 [8.6]
		Power	2.4	2.4	2.5	2.7	2.7	2.8	3.0	3.0	3.1
	45 [7.2]	Total kBtu/h [kW]	34.4 [10.1]	34.4 [10.1]	33.9 [9.9]	33.4 [9.8]	33.4 [9.8]	32.9 [9.6]	32.5 [9.5]	32.5 [9.5]	31.9 [9.3]
		Power	2.5	2.5	2.6	2.8	2.8	2.8	3.1	3.1	3.1
	50 [10]	Total kBtu/h [kW]	36.9 [10.8]	36.9 [10.8]	36.3 [10.6]	36.0 [10.6]	36.0 [10.6]	35.4 [10.4]	35.0 [10.3]	35.0 [10.3]	34.4 [10.1]
		Power	2.6	2.6	2.6	2.8	2.8	2.9	3.1	3.1	3.2

IDB —Indoor air dry bulb

[ ] Designates Metric Conversions

HEATING PERFORMANCE DATA—RHPBYC048

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1700 [802]	1600 [755]	1325 [625]	1700 [802]	1600 [755]	1325 [625]	1700 [802]	1600 [755]	1325 [625]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW]	17.1 [5.0]	16.9 [5.0]	16.8 [4.9]	15.6 [4.6]	15.4 [4.5]	15.3 [4.5]	14.0 [4.1]	13.8 [4.0]	13.8. [4.0]
		Power	2.6	2.7	2.7	2.9	3.0	3.0	3.3	3.4	3.4
	5 [-15]	Total kBtu/h [kW]	20.4 [6.0]	20.1 [5.9]	20.0 [5.9]	18.8 [5.5]	18.6 [5.5]	18.5 [5.4]	17.3 [5.1]	17.1 [5.0]	17.0 [5.0]
		Power	2.7	2.8	2.8	3.0	3.1	3.1	3.4	3.5	3.5
	10 [-12.2]	Total kBtu/h [kW]	23.6 [6.9]	23.3 [6.8]	23.2 [6.8]	22.1 [6.5]	21.8 [6.4]	21.7 [6.4]	20.6 [6.0]	20.3 [5.9]	20.2 [5.9]
		Power	2.8	2.9	2.9	3.1	3.2	3.2	3.5	3.6	3.6
	15 [-9.4]	Total kBtu/h [kW]	26.9 [7.9]	26.5 [7.8]	26.4 [7.7]	25.4 [7.4]	25.0 [7.3]	24.9 [7.3]	23.8 [7.0]	23.5 [6.9]	23.4 [6.9]
		Power	2.9	3.0	3.0	3.2	3.3	3.3	3.6	3.7	3.8
	20 [-6.7]	Total kBtu/h [kW]	30.2 [8.9]	29.7 [8.7]	29.6 [8.7]	28.6 [8.4]	28.2 [8.3]	28.1 [8.2]	27.1 [7.9]	26.7 [7.8]	26.6 [7.8]
		Power	3.0	3.1	3.1	3.3	3.4	3.4	3.7	3.8	3.9
	25 [-3.9]	Total kBtu/h [kW]	33.4 [9.8]	33.0 [9.7]	32.8 [9.6]	31.9 [9.3]	31.5 [9.2]	31.3 [9.2]	30.4 [8.9]	30.0 [8.8]	29.8 [8.7]
		Power	3.1	3.2	3.2	3.4	3.5	3.5	3.8	3.9	4.0
	30 [-1.1]	Total kBtu/h [kW]	36.7 [10.8]	36.2 [10.6]	36.0 [10.6]	35.2 [10.3]	34.7 [10.2]	34.5 [10.1]	33.6 [9.8]	33.2 [9.7]	33.0 [9.7]
		Power	3.2	3.3	3.3	3.5	3.6	3.6	3.9	4.0	4.1
	35 [1.7]	Total kBtu/h [kW]	40.0 [11.7]	39.4 [11.5]	39.2 [11.5]	38.4 [11.3]	37.9 [11.1]	37.7 [11.0]	36.9 [10.8]	36.4 [10.7]	36.2 [10.6]
		Power	3.3	3.4	3.5	3.6	3.7	3.7	4	4.1	4.2
	40 [4.4]	Total kBtu/h [kW]	43.2 [12.7]	42.6 [12.5]	42.4 [12.4]	41.7 [12.2]	41.1 [12.0]	40.9 [12.0]	40.2 [11.8]	39.6 [11.6]	39.4 [11.5]
		Power	3.4	3.5	3.6	3.7	3.8	3.8	4.1	4.2	4.3
	45 [7.2]	Total kBtu/h [kW]	46.5 [13.6]	45.9 [13.5]	45.6 [13.4]	45.0 [13.2]	44.3 [13.0]	44.1 [12.9]	43.4 [12.7]	42.8 [12.5]	42.6 [12.5]
		Power	3.5	3.6	3.7	3.8	3.9	3.9	4.2	4.3	4.4
	50 [10]	Total kBtu/h [kW]	49.7 [14.6]	49.1 [14.4]	48.8 [14.3]	48.2 [14.1]	47.6 [14.0]	47.3 [13.9]	46.7 [13.7]	46.1 [13.5]	45.8 [13.4]
		Power	3.6	3.7	3.8	3.9	4.0	4.0	4.3	4.4	4.5

IDB —Indoor air dry bulb

HEATING PERFORMANCE DATA—RHPBYC060

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			2175 [1026]	1875 [885]	1675 [791]	2175 [1026]	1875 [885]	1675 [791]	2175 [1026]	1875 [885]	1675 [791]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW]	23.6 [6.9]	23.3 [6.8]	23.1 [6.8]	21.9 [6.4]	21.7 [6.4]	21.5 [6.3]	20.3 [5.9]	20.0 [5.9]	19.9 [5.8]
		Power	3.4	3.5	3.5	3.8	3.9	3.9	4.3	4.3	4.4
	5 [-15]	Total kBtu/h [kW]	27.5 [8.1]	27.2 [8.0]	27.0 [7.9]	25.8 [7.6]	25.5 [7.5]	25.3 [7.4]	24.1 [7.1]	23.9 [7.0]	23.7 [6.9]
		Power	3.5	3.6	3.6	3.9	4.0	4.0	4.3	4.4	4.5
	10 [-12.2]	Total kBtu/h [kW]	31.3 [9.2]	31.0 [9.1]	30.8 [9.0]	29.7 [8.7]	29.3 [8.6]	29.1 [8.5]	28.0 [8.2]	27.7 [8.1]	27.5 [8.1]
		Power	3.6	3.7	3.7	4.0	4.1	4.1	4.4	4.5	4.6
	15 [-9.4]	Total kBtu/h [kW]	35.2 [10.3]	34.8 [10.2]	34.6 [10.1]	33.6 [9.8]	33.2 [9.7]	32.9 [9.6]	31.9 [9.3]	31.5 [9.2]	31.3 [9.2]
		Power	3.7	3.8	3.8	4.1	4.2	4.2	4.5	4.6	4.7
	20 [-6.7]	Total kBtu/h [kW]	39.1 [11.5]	38.7 [11.3]	38.4 [11.3]	37.4 [11.0]	37.0 [10.8]	36.7 [10.8]	35.8 [10.5]	35.4 [10.4]	35.1 [10.3]
		Power	3.8	3.9	3.9	4.2	4.3	4.3	4.6	4.7	4.8
	25 [-3.9]	Total kBtu/h [kW]	43.0 [12.6]	42.5 [12.5]	42.2 [12.4]	41.3 [12.1]	40.9 [12.0]	40.5 [11.9]	39.7 [11.6]	39.2 [11.5]	38.9 [11.4]
		Power	3.9	3.9	4.0	4.3	4.4	4.4	4.7	4.8	4.9
	30 [-1.1]	Total kBtu/h [kW]	46.9 [13.7]	46.3 [13.6]	46.0 [13.5]	45.2 [13.2]	44.7 [13.1]	44.4 [13.0]	43.5 [12.7]	43.0 [12.6]	42.7 [12.5]
		Power	4.0	4.0	4.1	4.4	4.4	4.5	4.8	4.9	5.0
	35 [1.7]	Total kBtu/h [kW]	50.8 [14.9]	50.2 [14.7]	49.8 [14.6]	49.1 [14.4]	48.5 [14.2]	48.2 [14.1]	47.4 [13.9]	46.9 [13.7]	46.5 [13.6]
		Power	4.0	4.1	4.2	4.4	4.5	4.6	4.9	5.0	5.1
	40 [4.4]	Total kBtu/h [kW]	54.6 [16.0]	54.0 [15.8]	53.6 [15.7]	53.0 [15.5]	52.4 [15.4]	52.0 [15.2]	51.3 [15.0]	50.7 [14.9]	50.3 [14.7]
		Power	4.1	4.2	4.3	4.5	4.6	4.7	5.0	5.1	5.1
	45 [7.2]	Total kBtu/h [kW]	58.5 [17.1]	57.9 [17.0]	57.4 [16.8]	56.8 [16.6]	56.2 [16.5]	55.8 [16.4]	55.2 [16.2]	54.6 [16.0]	54.1 [15.9]
		Power	4.2	4.3	4.4	4.6	4.7	4.8	5.1	5.2	5.2
	50 [10]	Total kBtu/h [kW]	62.4 [18.3]	61.7 [18.1]	61.2 [17.9]	60.7 [17.8]	60.0 [17.6]	59.6 [17.5]	59.1 [17.3]	58.4 [17.1]	57.9 [17.0]
		Power	4.3	4.4	4.5	4.7	4.8	4.9	5.2	5.3	5.3

IDB —Indoor air dry bulb

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE—RHPBYC—208/230V

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory			Manufacturer Recommended Cooling Airflow (Min/Max) [Tap 3 Only]	Blower Size, Motor HP [W] & # of Speeds	Motor Speed/Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Hi-Cool	Low-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 3	Tap 2	Tap 1	700 CFM/ 900 CFM	12x9 Blower 1/2 HP [372] 3 Speed (Constant Torque)	Tap 1- Electric Heat / Fan-Only	CFM	782	711	585	475	376	278	247	185	—	—
							RPM	375	437	540	627	670	703	744	781	—	—
							Watts	46	52	63	72	76	78	82	86	—	—
						Tap 2 - Low	CFM	709	627	472	356	277	225	171	—	—	—
							RPM	349	426	551	611	641	694	720	—	—	—
							Watts	37	43	54	60	63	67	69	—	—	—
						Tap 3 - High*	CFM	1092	1024	963	902	816	728	649	546	496	405
							RPM	428	489	547	603	673	733	782	859	879	912
							Watts	88	98	108	117	129	140	148	162	165	171
3.0 [10.55]	Tap 3	Tap 2	Tap 1	1050 CFM/ 1350 CFM	12x9 Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 - Electric Heat / Fan-Only	CFM	1254	1194	1139	1081	1021	946	867	799	705	649
							RPM	461	512	563	616	672	734	791	852	918	948
							Watts	115	127	137	149	162	174	187	199	213	220
						Tap 2 - Low	CFM	1010	937	868	786	684	584	512	406	355	316
							RPM	404	469	532	600	672	752	792	829	848	897
							Watts	71	80	89	99	110	122	127	133	136	143
						Tap 3 - High*	CFM	1563	1512	1463	1422	1373	1327	1284	1239	1175	1119
							RPM	537	580	624	664	708	751	794	835	886	931
							Watts	202	215	229	242	256	270	283	296	312	327
4.0 [14.07]	Tap 3	Tap 2	Tap 1	1400 CFM/ 1800 CFM	12x9 Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 - Electric Heat / Fan-Only	CFM	1789	1752	1703	1662	1623	1573	1534	1488	1446	1399
							RPM	594	630	672	708	746	791	827	869	908	948
							Watts	290	305	322	336	352	369	383	401	417	434
						Tap 2 - Low	CFM	1182	1117	1057	991	916	842	735	675	581	524
							RPM	450	508	562	620	682	737	801	838	905	923
							Watts	102	113	124	135	147	158	170	177	190	193
						Tap 3 - High*	CFM	1685	1639	1595	1550	1509	1462	1419	1371	1326	1270
							RPM	573	613	653	694	733	778	819	860	899	945
							Watts	249	264	278	294	308	324	339	354	369	385
5.0 [17.59]	Tap 3	Tap 2	Tap 1	1750 CFM/ 2250 CFM	12x9 Blower 1 HP [746] 3 Speed (Constant Torque)	Tap 1 - Electric Heat / Fan-Only	CFM	1531	1481	1430	1382	1333	1285	1230	1172	1123	1054
							RPM	535	579	625	672	717	765	811	857	899	950
							Watts	190	203	217	231	246	261	275	289	303	319
						Tap 2 - Low	CFM	1400	1343	1287	1235	1181	1117	1065	993	914	844
							RPM	497	550	601	648	702	758	801	853	908	949
							Watts	150	165	177	189	204	218	229	244	258	269
						Tap 3 - High*	CFM	2146	2112	2079	2048	2010	1969	1931	1903	1865	1831
							RPM	697	727	755	789	817	859	894	923	963	997
							Watts	476	494	510	529	546	570	591	608	632	653

NOTES: (1) * Use motor tap 3 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]	1800 [849]	2000 [944]
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 - RHPBYC SERIES					
		024AJT	**036AJT**	**048AJT**	**060AJT**
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230
	Phase	1	1	1	1
	Hz	60	60	60	60
	Minimum Circuit Ampacity	23	29	37	45
	Minimum Overcurrent Protection	30	35	45	60
	Maximum Overcurrent Protection	30	40	50	60
Compressor Motor	No.	1	1	1	1
	Volts	208/230	208/230	208/230	208/230
	Phase	1	1	1	1
	Amps (RLA), Comp. 1	11.9	14.9	20.1	25.2
	Amps (LRA), Comp. 1	65	90	141	147.3
	Amps (RLA), Comp. 2	N/A	N/A	N/A	N/A
	Amps (LRA), Comp. 2	N/A	N/A	N/A	N/A
Condenser Motor	No.	1	1	1	1
	Volts	208-230	208-230	208-230	208-230
	Phase	1	1	1	1
	HP	1/3	1/3	1/2	1/2
	Amps (FLA, each)	3.6	3.6	5.3	5.3
	Amps (LRA, each)	0	0	0	0
Evaporator Fan	No.	1	1	1	1
	Volts	208/230	208/230	208/230	208/230
	Phase	1	1	1	1
	HP	1/2	3/4	3/4	1
	Amps (FLA, each)	4.1	6	6	7.6
	Amps (LRA, each)	0	0	0	0

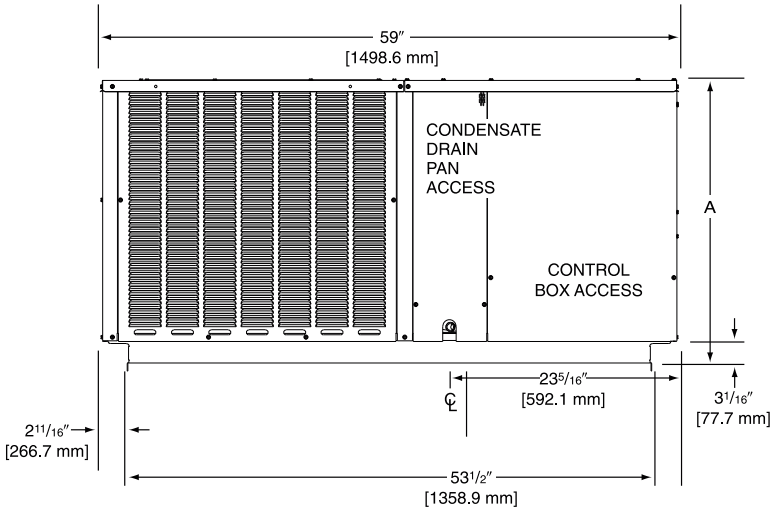
208/230 VOLT, SINGLE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Single Power Supply for Both Unit and Heater Kit								Separate Power Supply for Both Unit and Heater Kit				
Model Number	Heater Kit				Air Conditioner			Heater Kit		Air Conditioner		
	RXQJ- Heater Kit Nominal kW	Rated Heater kW @ Rated Voltage	Heater MBH @ Rated Voltage	Heater Amp. @ Rated Voltage	Unit Min. Ckt. Ampacity @ Rated Voltage	Overcurrent Protective Device		Min. Ckt. Ampacity @ Rated Voltage	Max. Fuse Size @ Rated Voltage	Min. Circuit Ampacity @ Rated Voltage	Overcurrent Protective Device	
						Min./Max. @ Min Voltage	Min./Max. @ Max Voltage				Min./Max. @ Min Voltage	Min./Max. @ Max Voltage
RHPBYC024AJT	NONE*	—/—	—/—	—/—	23/23	30/30	30/30	—/—	—/—	23/23	30/30	30/30
	C05J	3.6/4.8	12.28/16.38	17.3/20.0	27/31	30/30	35/35	22/25	25/25	23/23	30/30	30/30
	C07J	5.4/7.2	18.42/24.56	26.0/30.0	38/43	40/40	45/45	33/38	35/40	23/23	30/30	30/30
	C10J	7.2/9.6	24.56/32.75	34.6/40.0	49/56	50/50	60/60	44/50	45/50	23/23	30/30	30/30
RHPBYC036AJT	NONE*	—/—	—/—	—/—	29/29	35/40	35/40	—/—	—/—	29/29	35/40	35/40
	C05J	3.6/4.8	12.28/16.38	17.3/20.0	30/33	35/40	35/40	22/25	25/25	29/29	35/40	35/40
	C07J	5.4/7.2	18.42/24.56	26.0/30.0	40/45	40/40	45/45	33/38	35/40	29/29	35/40	35/40
	C10J	7.2/9.6	24.56/32.75	34.6/40.0	51/58	60/60	60/60	44/50	45/50	29/29	35/40	35/40
	C15J	10.8/14.4	36.84/49.13	51.9/60.0	73/83	80/80	90/90	65/75	70/80	29/29	35/40	35/40
RHPBYC048AJT	NONE*	—/—	—/—	—/—	37/37	45/50	45/50	—/—	—/—	37/37	45/50	45/50
	C05J	3.6/4.8	12.28/16.38	17.3/20.0	37/37	45/50	45/50	22/25	25/25	37/37	45/50	45/50
	C07J	5.4/7.2	18.42/24.56	26.0/30.0	40/45	45/50	45/50	33/38	35/40	37/37	45/50	45/50
	C10J	7.2/9.6	24.56/32.75	34.6/40.0	51/58	60/60	60/60	44/50	45/50	37/37	45/50	45/50
	C15J	10.8/14.4	36.84/49.13	51.9/60.0	73/83	80/80	90/90	65/75	70/80	37/37	45/50	45/50
	C20J	14.4/19.2	49.13/65.50	69.3/80.0	95/108	100/100	110/110	87/100	90/100	37/37	45/50	45/50
RHPBYC060AJT	NONE*	—/—	—/—	—/—	45/45	60/60	60/60	—/—	—/—	45/45	60/60	60/60
	C05J	3.6/4.8	12.28/16.38	17.3/20.0	45/45	60/60	60/60	22/25	25/25	45/45	60/60	60/60
	C07J	5.4/7.2	18.42/24.56	26.0/30.0	45/47	60/60	60/60	33/38	35/40	45/45	60/60	60/60
	C10J	7.2/9.6	24.56/32.75	34.6/40.0	53/60	60/60	60/60	44/50	45/50	45/45	60/60	60/60
	C15J	10.8/14.4	36.84/49.13	51.9/60.0	75/85	80/80	90/90	65/75	70/80	45/45	60/60	60/60
	C20J	14.4/19.2	49.13/65.50	69.3/80.0	97/110	100/100	110/110	87/100	90/100	45/45	60/60	60/60

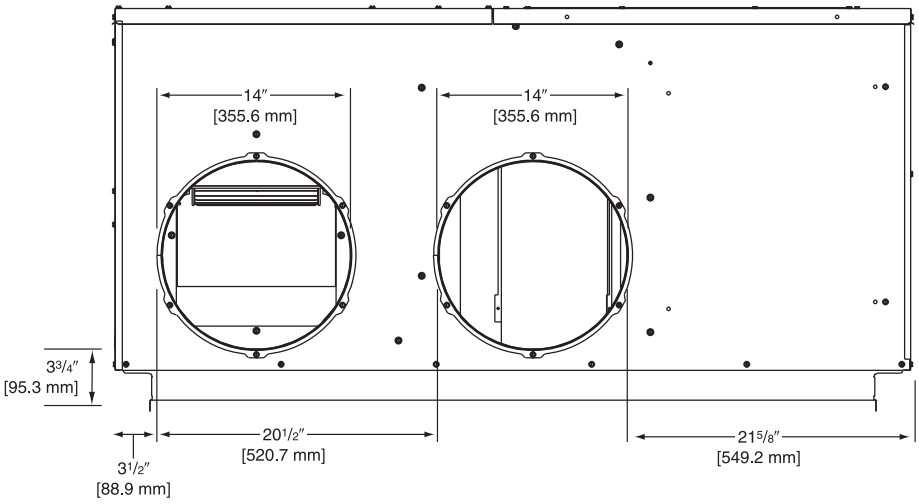
DIMENSIONS

Model	Height "A"
24, 36, 48, 60	37 1/8"

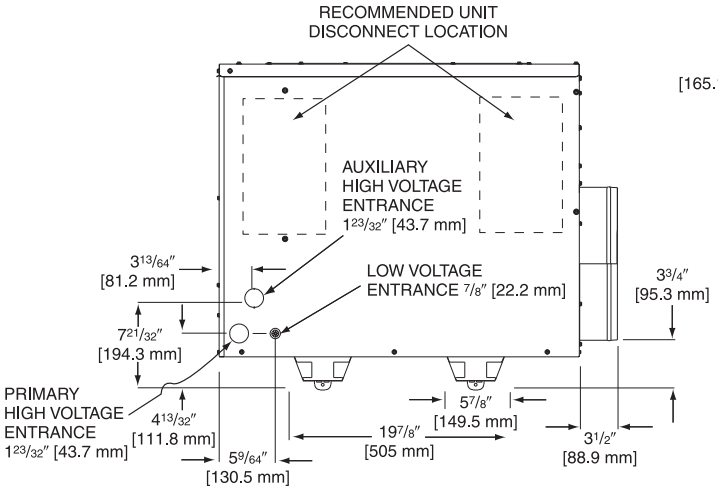
FRONT VIEW



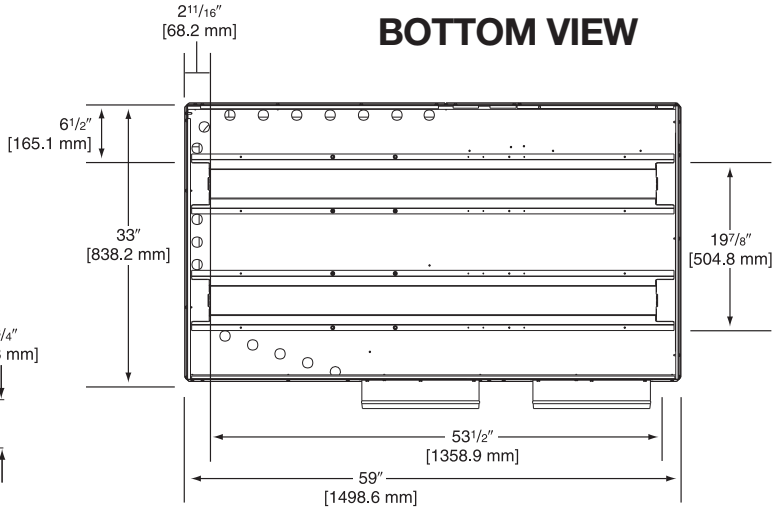
REAR VIEW



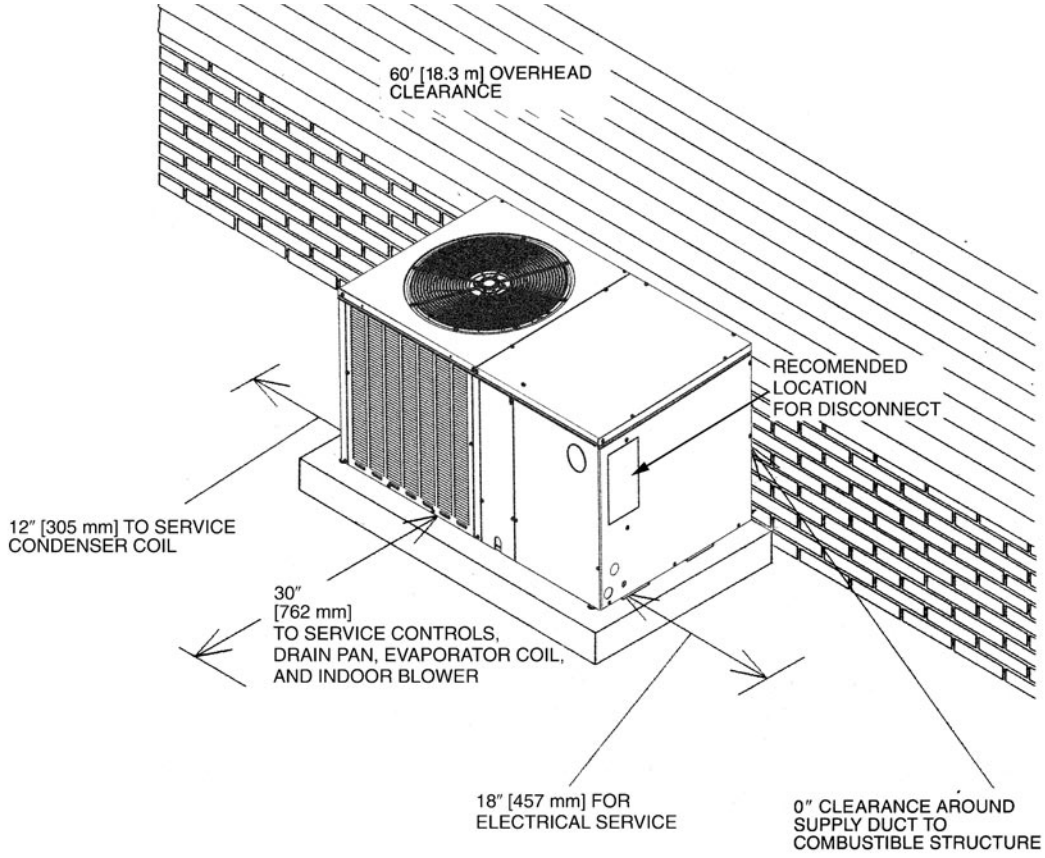
ELECTRICAL CONNECTIONS

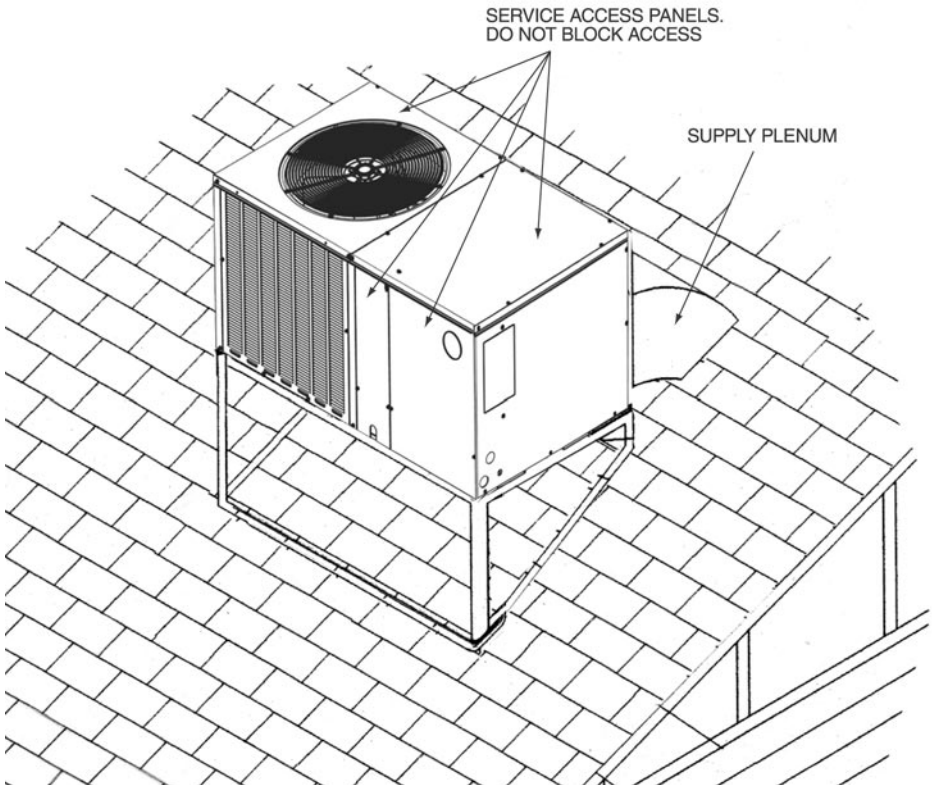


BOTTOM VIEW



[ ] Designates Metric Conversions





[ ] Designates Metric Conversions

engineered for life™

GENERAL TERMS OF LIMITED WARRANTY*

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

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

Parts

Residential Applications (Registration Required).....Ten (10) Years
Commercial Applications .....One (1) Year

Compressor

1 Phase, Residential Applications.....Ten (10) Years
1 & 3 Phase, Commercial Applications .....Five (5) Years

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.

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

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