Vantix® Line iR Residential Packaged Dedicated Horizontal Air Conditioners

RACBYB

Cooling Efficiency: 13.4 SEER2
Nominal Sizes: 2 to 5 Tons [7.0 to 17.6 kW]
Refrigerant Type: R-454B

ISO 9001:2015

c UL us LISTED

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

Table of Contents

FEATURES & BENEFITS

- **Scroll Compressors on all models:** Provides maximum efficiency and quiet operation
- **MicroChannel Evaporator and Condenser Coil:** Delivers superior performance with a robust surface, a decreased refrigerant requirement and is lighter than conventional copper tube/aluminum fin coils. All-aluminum construction offers superior protection against formicary corrosion and aluminum tube rubbing damage. The design allows for easier and faster cleaning
- **Two Thermal Expansion Valves:** Standard on all models for precise superheat control, reliability, and energy efficiency at all operating conditions
- **High Pressure Control:** Standard on all models for refrigerant component protection and reliability
- **Filter Drier:** Standard on all models
- **100% Factory Run Tested**
- **Refrigerant Detection System™[1]:** 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:** Allows for separation between the unit base and the ground level, providing protection from ground moisture, air circulation around the unit and easier maneuver-ability during installation. For flexibility in space limited applications, the unit can be installed flush to the structure without blocking airflow over the outdoor coil while still maintaining serviceability
- **Factory-Shipped Round 14" Duct Collars:** The two collars are crimped around the leading edge, making duct to collar installation easier. A metal bead around the circumference prevents any future ducting slippage
- **Easy High and Low Refrigerant Pressure Measurement:** Two gauge ports located inside the control box allow for ease and accuracy
- **Double Sloped Evaporator Coil Drain Pan:** Allows for complete water removal from the unit — contributing to improved indoor air quality
- **Closed-Cell Insulation:** Used on the base of the unit, to pre- vent moisture from being absorbed and helps reduce mold content
- **Louvered Condenser Compartment:** Protects the coil against yard hazards and/or weather extremes
- **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
- **Easy Access 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
- **Supplemental Electric Heating Option Available:** Field-installed, electrical heat strips, up to 20 kW with simplified single-point wiring, are available for periods of extreme weather conditions

[1]*Factory installed on 4 and 5 ton models. For R-454B equipment with a refrigerant charge less than 3.9 lbs (≈1.8 kg or ≈62.6 oz), a refrigerant detection system is not required by the UL 60335-2-40 standard.*

Air Conditioner

R	AC	B	Y	B	024	A	J	T	00	0	N	A
Brand	**Product Category**	**Platform**	**Refrigerant**	**Tier**	**Capacity**	**Major Series**	**Voltage**	**Drive**	**Electric Heat**	**Electric Heat Configuration**	**Controls**	**Minor Series**
R - Russell® By Rheem	AC - Straight Cool	B - ResiPack Dedicated Horizontal	Y - R-454B	B - Base Tier (13.4 SEER2)	024 - 24,000 [7.03 kW] 030 - 30,000 [8.79 kW] 036 - 36,000 [10.55 kW] 042 - 42,000 [12.31 kW] 048 - 48,000 [14.07 kW] 060 - 60,000 [17.58 kW]	A - 1st Design	J - 1ph, 208/230/60 C - 3ph, 208/230/60	T - Constant Torque	00 - No Electric Heat	0 - No Electric Heat	N - Non-Communicating	A - 1st Design

[ ] Designates Metric Conversions

Available Models
RACBYB024AJT000NA
RACBYB030ACT000NA
RACBYB030AJT000NA
RACBYB036ACT000NA
RACBYB036AJT000NA
RACBYB042ACT000NA
RACBYB042AJT000NA
RACBYB048ACT000NA
RACBYB048AJT000NA
RACBYB060ACT000NA
RACBYB060AJT000NA

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

Model RACBYB Series	024AJT	030ACT	030AJT	036ACT
Cooling Performance[1]				CONTINUED →
Nominal Cooling Capacity Btu/h [kW]	24,000 [7.03]	30,000 [8.79]	30,000 [8.79]	36,000 [10.55]
EER2/SEER2[2]	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/AHRI Rated CFM [L/s]	753/750 [355/354]	1060/1000 [500/472]	1060/1000 [500/472]	1304/1200 [615/566]
AHRI Net Cooling Capacity Btu/h [kW]	22,800 [6.68]	28,600 [8.38]	28,600 [8.38]	34,200 [10.02]
Net Sensible Capacity Btu/h [kW]	18,240 [5.29]	22,880 [6.64]	22,880 [6.64]	27,360 [7.93]
Net Latent Capacity Btu/h [kW]	4,560 [1.32]	5,720 [1.66]	5,720 [1.66]	6,840 [1.98]
Net System Power [kW]	2.15	2.70	2.70	3.23
Compressor				
No./Stg/Type	1/1/Scroll	1/1/Scroll	1/1/Scroll	1/1/Scroll
Outdoor Sound Rating (dB)[3]	84	84	84	84
Outdoor Coil—Fin Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	0.47 [11.99]	0.47 [11.99]	0.47 [11.99]	0.47 [11.99]
Face Area sq. ft. [sq. m]	10.36 [0.96]	12.63 [1.17]	12.63 [1.17]	12.63 [1.17]
Rows / FPI [FPcm]	N/A	N/A	N/A	N/A
Indoor Coil—Fin Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	0.81 [20.62]	0.81 [20.62]	0.81 [20.62]	1.00 [25.40]
Face Area sq. ft. [sq. m]	4.3 [0.40]	4.3 [0.40]	4.3 [0.40]	4.3 [0.40]
Rows / FPI [FPcm]	N/A	N/A	N/A	N/A
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
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/1	Direct/1
CFM [L/s]	3400 [1605]	3400 [1605]	3400 [1605]	3400 [1605]
No. Motors/HP	1 at 1/3	1 at 1/3	1 at 1/3	1 at 1/3
Motor RPM	825	825	825	825
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple Speed	Multiple Speed	Multiple Speed	Multiple Speed
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1050	1050	1050	1050
Motor Frame Size	48	48	48	48
Filter—Type				
Furnished	No	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1) 1x20x16[25x508x406]	(1) 1x20x20 [25x508x508]	(1) 1x20x20 [25x508x508]	(1) 1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	52.0 [1474]	53.0 [1503]	53.0 [1503]	49.0 [1389]
Weights				
Net Weight lbs. [kg]	277 [126]	285 [129]	285 [129]	285 [129]
Ship Weight lbs. [kg]	304 [138]	312 [142]	312 [142]	312 [142]

See Page 7 for Notes.

[ ] Designates Metric Conversions

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

Model RACBYB Series	036AJT	042ACT	042AJT	048ACT
Cooling Performance[1]				CONTINUED →
Nominal Cooling Capacity Btu/h [kW]	36,000 [10.55]	42,000 [12.31]	42,000 [12.31]	48,000 [14.06]
EER2/SEER2[2]	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/AHRI Rated CFM [L/s]	1304/1200 [615/566]	1458/1400 [688/661]	1458/1400 [688/661]	1603/1600 [757/755]
AHRI Net Cooling Capacity Btu/h [kW]	34,200 [10.02]	40,000 [11.72]	40,000 [11.72]	46,000 [13.48]
Net Sensible Capacity Btu/h [kW]	27,360 [7.93]	32,000 [9.28]	32,000 [9.28]	36,800 [1067]
Net Latent Capacity Btu/h [kW]	6,840 [1.98]	8,000 [2.32]	8,000 [2.32]	9,300 [2.67]
Net System Power [kW]	3.23	3.77	3.77	4.34
Compressor				
No./Stg/Type	1/1/Scroll	1/1/Scroll	1/1/Scroll	1/1/Scroll
Outdoor Sound Rating (dB)[3]	84	84	84	86
Outdoor Coil—Fin Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	0.47 [11.99]	0.47 [11.99]	0.47 [11.99]	0.63 [16.00]
Face Area sq. ft. [sq. m]	12.63 [1.17]	12.63 [1.17]	12.63 [1.17]	16.53 [1.54]
Rows / FPI [FPcm]	N/A	N/A	N/A	N/A
Indoor Coil—Fin Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	1.00 [25.40]	1.26 [32.00]	1.26 [32.00]	1.00 [25.40]
Face Area sq. ft. [sq. m]	4.3 [0.40]	4.3 [0.40]	4.3 [0.40]	5.8 [0.53]
Rows / FPI [FPcm]	N/A	N/A	N/A	N/A
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
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/1	Direct/1
CFM [L/s]	3400 [1605]	3400 [1605]	3400 [1605]	4400 [2077]
No. Motors/HP	1 at 1/3	1 at 1/3	1 at 1/3	1 at 1/2
Motor RPM	825	825	825	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
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	3/4
Motor RPM	1050	1050	1050	1050
Motor Frame Size	48	48	48	48
Filter—Type				
Furnished	No	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1) 1x24x24 [25x610x610]	(1) 1x24x24 [25x610x610]	(1) 1x24x24 [25x610x610]	(1) 1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	49.0 [1389]	48.0 [1361]	48.0 [1361]	56.7 [1607]
Weights				
Net Weight lbs. [kg]	285 [129]	317 [144]	317 [144]	357 [162]
Ship Weight lbs. [kg]	312 [142]	344 [156]	344 [156]	384 [174]

See Page 7 for Notes.

[ ] Designates Metric Conversions

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

Model RACBYB Series	048AJT	060ACT	060AJT
Cooling Performance[1]			
Nominal Cooling Capacity Btu/h [kW]	48,000 [14.06]	60,000 [17.58]	60,000 [17.58]
EER2/SEER2[2]	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/AHRI Rated CFM [L/s]	1603/1600 [757/755]	2003/2000 [945/944]	2003/2000 [945/944]
AHRI Net Cooling Capacity Btu/h [kW]	46,000 [10.67]	57,000 [16.7]	57,000 [16.7]
Net Sensible Capacity Btu/h [kW]	36,800 [10.01]	45,600 [13.22]	45,600 [13.22]
Net Latent Capacity Btu/h [kW]	9,200 [2.67]	11,400 [3.31]	11,400 [3.31]
Net System Power [kW]	4.34	5.38	5.38
Compressor			
No./Stg/Type	1/1/Scroll	1/1/Scroll	1/1/Scroll
Outdoor Sound Rating (dB)[3]	86	86	86
Outdoor Coil—Fin Type	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	0.63 [16.00]	0.984 [25.00]	0.984 [25.00]
Face Area sq. ft. [sq. m]	16.53 [1.54]	16.78 [1.56]	16.78 [1.56]
Rows / FPI [FPcm]	N/A	N/A	N/A
Indoor Coil—Fin Type	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	1.00 [25.40]	1.26 [32.00]	1.26 [32.00]
Face Area sq. ft. [sq. m]	5.8 [0.53]	5.8 [0.53]	5.8 [0.53]
Rows / FPI [FPcm]	N/A	N/A	N/A
Refrigerant Control	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1 / 1.000 [25.40]	1 / 1.000 [25.40]	1 / 1.000 [25.40]
Outdoor Fan—Type	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24.0 [609.6]	1/24.0 [609.6]	1/24.0 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1
CFM [L/s]	4400 [2077]	4400 [2077]	4400 [2077]
No. Motors/HP	1 at 1/2	1 at 1/2	1 at 1/2
Motor RPM	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct
No. Speeds	Multiple Speed	Multiple Speed	Multiple Speed
No. Motors	1	1	1
Motor HP	3/4	1	1
Motor RPM	1050	1050	1050
Motor Frame Size	48	48	48
Filter—Type			
Furnished	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1) 1x24x24 [25x610x610]	(1) 1x24x24 [25x610x610]	(1) 1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	56.7 [1607]	83.6 [2370]	83.6 [2370]
Weights			
Net Weight lbs. [kg]	357 [162]	384 [174]	384 [174]
Ship Weight lbs. [kg]	384 [174]	411 [186]	411 [186]

[ ] 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. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

GROSS SYSTEMS PERFORMANCE DATA—RACBYB024

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]			975 [460]	750 [354]	750 [354]	975 [460]	750 [354]	750 [354]	975 [460]	750 [354]	750 [354]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	32.4 [9.5]	30.7 [9.0]	30.7 [9.0]	30.2 [8.9]	28.6 [8.4]	28.6 [8.4]	28.4 [8.3]	26.9 [7.9]	26.9 [7.9]	
		Sens kBtu/h [kW]	19.3 [5.7]	16.9 [5.0]	16.9 [5.0]	21.6 [6.3]	19.0 [5.6]	19.0 [5.6]	24.4 [7.2]	21.4 [6.3]	21.4 [6.3]	
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	80 [26.7]	Total kBtu/h [kW]	31.8 [9.3]	30.1 [8.8]	30.1 [8.8]	29.5 [8.6]	28.0 [8.2]	28 .0[8.2]	27.7 [8.1]	26.3 [7.7]	26.3 [7.7]	
		Sens kBtu/h [kW]	19.0 [5.6]	16.6 [4.9]	16.6 [4.9]	21.3 [6.2]	18.7 [5.5]	18.7 [5.5]	24.1 [7.1]	21.1 [6.2]	21.1 [6.2]	
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	85 [29.4]	Total kBtu/h [kW]	31.0 [9.1]	29.4 [8.6]	29.4 [8.6]	28.8 [8.4]	27.3 [8.0]	27.3 [8.0]	27.0 [7.9]	25.6 [7.5]	25.6 [7.5]	
		Sens kBtu/h [kW]	18.6 [5.5]	16.3 [4.8]	16.3 [4.8]	20.9 [6.1]	18.3 [5.4]	18.3 [5.4]	23.6 [6.9]	20.7 [6.1]	20.7 [6.1]	
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	90 [32.2]	Total kBtu/h [kW]	30.2 [8.9]	28.6 [8.4]	28.6 [8.4]	28.0 [8.2]	26.5 [7.8]	26.5 [7.8]	26.1 [7.6]	24.8 [7.3]	24.8 [7.3]	
		Sens kBtu/h [kW]	18.1 [5.3]	15.8 [4.6]	15.8 [4.6]	20.4 [6.0]	17.9 [5.2]	17.9 [5.2]	23.1 [6.8]	20.3 [5.9]	20.3 [5.9]	
		Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
	95 [35]	Total kBtu/h [kW]	29.3 [8.6]	27.8 [8.1]	27.8 [8.1]	27.1 [7.9]	25.7 [7.5]	25.7 [7.5]	25.3 [7.4]	24.0 [7.0]	24.0 [7.0]	
		Sens kBtu/h [kW]	17.5 [5.1]	15.3 [4.5]	15.3 [4.5]	19.8 [5.8]	17.3 [5.1]	17.3 [5.1]	22.5 [6.6]	19.8 [5.8]	19.8 [5.8]	
		Power	2.0	1.9	1.9	2.0	1.9	1.9	2.0	1.9	1.9	
	100 [37.8]	Total kBtu/h [kW]	28.4 [8.3]	26.9 [7.9]	26.9 [7.9]	26.1 [7.6]	24.8 [7.3]	24.8 [7.3]	24.3 [7.1]	23.0 [6.7]	23.0 [6.7]	
		Sens kBtu/h [kW]	16.8 [4.9]	14.7 [4.3]	14.7 [4.3]	19.1 [5.6]	16.8 [4.9]	16.8 [4.9]	21.9 [6.4]	19.2 [5.6]	19.2 [5.6]	
		Power	2.1	2.0	2.0	2.1	2.0	2.0	2.1	2.0	2.0	
	105 [40.6]	Total kBtu/h [kW]	27.3 [8.0]	25.9 [7.6]	25.9 [7.6]	25.1 [7.4]	23.8 [7.0]	23.8 [7.0]	23.3 [6.8]	22.1 [6.5]	22.1 [6.5]	
		Sens kBtu/h [kW]	16.0 [4.7]	14.1 [4.1]	14.1 [4.1]	18.4 [5.4]	16.1 [4.7]	16.1 [4.7]	21.1 [6.2]	18.5 [5.4]	18.5 [5.4]	
		Power	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
	110 [43.3]	Total kBtu/h [kW]	26.2 [7.7]	24.9 [7.3]	24.9 [7.3]	24.0 [7.0]	22.7 [6.7]	22.7 [6.7]	22.1 [6.5]	21.0 [6.2]	21.0 [6.2]	
		Sens kBtu/h [kW]	15.2 [4.5]	13.4 [3.9]	13.4 [3.9]	17.5 [5.1]	15.4 [4.5]	15.4 [4.5]	20.3 [5.9]	17.8 [5.2]	17.8 [5.2]	
		Power	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	
	115 [46.1]	Total kBtu/h [kW]	25.0 [7.3]	23.7 [6.9]	23.7 [6.9]	22.8 [6.7]	21.6 [6.3]	21.6 [6.3]	21.0 [6.2]	19.9 [5.8]	19.9 [5.8]	
		Sens kBtu/h [kW]	14.3 [4.2]	12.6 [3.7]	12.6 [3.7]	16.6 [4.9]	14.6 [4.3]	14.6 [4.3]	19.4 [5.7]	17.0 [5.0]	17.0 [5.0]	
		Power	2.5	2.4	2.4	2.5	2.4	2.4	2.5	2.4	2.4	
	120 [48.9]	Total kBtu/h [kW]	23.8 [7.0]	22.5 [6.6]	22.5 [6.6]	21.5 [6.3]	20.4 [6.0]	20.4 [6.0]	19.7 [5.8]	18.7 [5.5]	18.7 [5.5]	
		Sens kBtu/h [kW]	13.3 [3.9]	11.7 [3.4]	11.7 [3.4]	15.6 [4.6]	13.7 [4.0]	13.7 [4.0]	18.4 [5.4]	16.1 [4.7]	16.1 [4.7]	
		Power	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	125 [51.7]	Total kBtu/h [kW]	22.4 [6.6]	21.3 [6.2]	21.3 [6.2]	20.2 [5.9]	19.1 [5.6]	19.1 [5.6]	18.4 [5.4]	17.4 [5.1]	17.4 [5.1]	
		Sens kBtu/h [kW]	12.2 [3.6]	10.7 [3.1]	10.7 [3.1]	14.5 [4.2]	12.8 [3.8]	12.8 [3.8]	17.3 [5.1]	15.2 [4.5]	15.2 [4.5]	
		Power	2.8	2.7	2.7	2.8	2.7	2.7	2.8	2.7	2.7	

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 PERFORMANCE DATA—RACBYB030

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]			1150 [543]	1000 [472]	900 [425]	1150 [543]	1000 [472]	900 [425]	1150 [543]	1000 [472]	900 [425]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	38.8 [11.4]	37.8 [11.1]	37.1 [10.9]	35.8 [10.5]	34.9 [10.2]	34.2 [10.0]	33.2 [9.7]	32.4 [9.5]	31.8 [9.3]	
		Sens kBtu/h [kW]	21.9 [6.4]	20.5 [6.0]	19.5 [5.7]	25.7 [7.5]	24.0 [7.0]	22.9 [6.7]	28.7 [8.4]	26.8 [7.9]	25.6 [7.5]	
		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]	37.9 [11.1]	36.9 [10.8]	36.2 [10.6]	34.9 [10.2]	34.0 [10.0]	33.4 [9.8]	32.3 [9.5]	31.5 [9.2]	30.9 [9.1]	
		Sens kBtu/h [kW]	21.6 [6.3]	20.2 [5.9]	19.2 [5.6]	25.4 [7.4]	23.7 [6.9]	22.6 [6.6]	28.4 [8.3]	26.5 [7.8]	25.3 [7.4]	
		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]	36.9 [10.8]	35.9 [10.5]	35.3 [10.3]	33.9 [9.9]	33.0 [9.7]	32.4 [9.5]	31.3 [9.2]	30.5 [8.9]	29.9 [8.8]	
		Sens kBtu/h [kW]	21.2 [6.2]	19.8 [5.8]	18.9 [5.5]	25.0 [7.3]	23.3 [6.8]	22.2 [6.5]	27.9 [8.2]	26.1 [7.6]	24.9 [7.3]	
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
	90 [32.2]	Total kBtu/h [kW]	35.8 [10.5]	34.8 [10.2]	34.2 [10.0]	32.8 [9.6]	31.9 [9.3]	31.3 [9.2]	30.2 [8.9]	29.4 [8.6]	28.8 [8.4]	
		Sens kBtu/h [kW]	20.7 [6.1]	19.3 [5.7]	18.4 [5.4]	24.5 [7.2]	22.9 [6.7]	21.8 [6.4]	27.4 [8.0]	25.6 [7.5]	24.5 [7.2]	
		Power	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
	95 [35]	Total kBtu/h [kW]	34.5 [10.1]	33.6 [9.8]	33.0 [9.7]	31.5 [9.2]	30.7 [9.0]	30.1 [8.8]	28.9 [8.5]	28.2 [8.3]	27.7 [8.1]	
		Sens kBtu/h [kW]	20.1 [5.9]	18.8 [5.5]	17.9 [5.2]	23.9 [7.0]	22.3 [6.5]	21.3 [6.2]	26.9 [7.9]	25.1 [7.4]	24.0 [7.0]	
		Power	2.4	2.3	2.3	2.4	2.3	2.3	2.4	2.3	2.3	
	100 [37.8]	Total kBtu/h [kW]	33.2 [9.7]	32.3 [9.5]	31.7 [9.3]	30.2 [8.9]	29.4 [8.6]	28.8 [8.4]	27.6 [8.1]	26.9 [7.9]	26.4 [7.7]	
		Sens kBtu/h [kW]	19.5 [5.7]	18.2 [5.3]	17.4 [5.1]	23.3 [6.8]	21.8 [6.4]	20.7 [6.1]	26.3 [7.7]	24.5 [7.2]	23.4 [6.9]	
		Power	2.5	2.5	2.4	2.5	2.5	2.4	2.5	2.5	2.5	
	105 [40.6]	Total kBtu/h [kW]	31.7 [9.3]	30.9 [9.1]	30.3 [8.9]	28.7 [8.4]	28.0 [8.2]	27.4 [8.0]	26.1 [7.6]	25.4 [7.4]	25.0 [7.3]	
		Sens kBtu/h [kW]	18.8 [5.5]	17.6 [5.2]	16.7 [4.9]	22.6 [6.6]	21.1 [6.2]	20.1 [5.9]	25.6 [7.5]	23.9 [7.0]	22.8 [6.7]	
		Power	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	110 [43.3]	Total kBtu/h [kW]	30.1 [8.8]	29.3 [8.6]	28.8 [8.4]	27.1 [7.9]	26.4 [7.7]	25.9 [7.6]	24.5 [7.2]	23.9 [7.0]	23.5 [6.9]	
		Sens kBtu/h [kW]	18.0 [5.3]	16.9 [5.0]	16.1 [4.7]	21.8 [6.4]	20.4 [6.0]	19.4 [5.7]	24.5 [7.2]	23.2 [6.8]	22.1 [6.5]	
		Power	2.8	2.8	2.7	2.8	2.8	2.7	2.8	2.8	2.7	
	115 [46.1]	Total kBtu/h [kW]	28.4 [8.3]	27.7 [8.1]	27.2 [8.0]	25.4 [7.4]	24.8 [7.3]	24.3 [7.1]	22.9 [6.7]	22.2 [6.5]	21.8 [6.4]	
		Sens kBtu/h [kW]	17.2 [5.0]	16.1 [4.7]	15.3 [4.5]	21.0 [6.2]	19.6 [5.7]	18.7 [5.5]	22.9 [6.7]	22.2 [6.5]	21.4 [6.3]	
		Power	2.9	2.9	2.9	2.9	2.9	2.9	3.0	2.9	2.9	
	120 [48.9]	Total kBtu/h [kW]	26.6 [7.8]	25.9 [7.6]	25.5 [7.5]	23.6 [6.9]	23.0 [6.7]	22.6 [6.6]	21.1 [6.2]	20.5 [6.0]	20.1 [5.9]	
		Sens kBtu/h [kW]	16.3 [4.8]	15.2 [4.5]	14.5 [4.2]	20.1 [5.9]	18.8 [5.5]	17.9 [5.2]	21.1 [6.2]	20.5 [6.0]	20.1 [5.9]	
		Power	3.1	3.1	3.0	3.1	3.1	3.0	3.1	3.1	3.0	
	125 [51.7]	Total kBtu/h [kW]	24.7 [7.2]	24.1 [7.1]	23.6 [6.9]	21.7 [6.4]	21.2 [6.2]	20.8 [6.1]	19.1 [5.6]	18.6 [5.5]	18.3 [5.4]	
		Sens kBtu/h [kW]	15.3 [4.5]	14.3 [4.2]	13.7 [4.0]	19.1 [5.6]	17.9 [5.2]	17.1 [5.0]	19.1 [5.6]	18.6 [5.5]	18.3 [5.4]	
		Power	3.3	3.2	3.2	3.3	3.2	3.2	3.3	3.2	3.2	

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 PERFORMANCE DATA—RACBYB036

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]			1425 [673]	1200 [566]	1125 [531]	1425 [673]	1200 [566]	1125 [531]	1425 [673]	1200 [566]	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]	47.9 [14.0]	46.3 [13.6]	45.8 [13.4]	44.8 [13.1]	43.3 [12.7]	42.8 [12.5]	41.7 [12.2]	40.3 [11.8]	39.8 [11.7]
		Sens kBtu/h [kW]	27.4 [8.0]	25.2 [7.4]	24.5 [7.2]	32.6 [9.6]	30.0 [8.8]	29.1 [8.5]	37.0 [10.8]	34.0 [10.0]	33.0 [9.7]
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.3	2.3
	80 [26.7]	Total kBtu/h [kW]	46.5 [13.6]	45.0 [13.2]	44.5 [13.0]	43.4 [12.7]	42.0 [12.3]	41.5 [12.2]	40.3 [11.8]	39.0 [11.4]	38.6 [11.3]
		Sens kBtu/h [kW]	26.8 [7.9]	24.6 [7.2]	23.9 [7.0]	31.9 [9.3]	29.4 [8.6]	28.5 [8.4]	36.4 [10.7]	33.4 [9.8]	32.5 [9.5]
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	85 [29.4]	Total kBtu/h [kW]	45.2 [13.2]	43.7 [12.8]	43.2 [12.7]	42.1 [12.3]	40.7 [11.9]	40.3 [11.8]	39.0 [11.4]	37.7 [11.0]	37.3 [10.9]
		Sens kBtu/h [kW]	26.1 [7.6]	24.0 [7.0]	23.3 [6.8]	31.3 [9.2]	28.8 [8.4]	27.9 [8.2]	35.7 [10.5]	32.8 [9.6]	31.9 [9.3]
		Power	2.7	2.6	2.6	2.7	2.6	2.6	2.7	2.6	2.6
	90 [32.2]	Total kBtu/h [kW]	43.9 [12.9]	42.4 [12.4]	42.0 [12.3]	40.8 [12.0]	39.4 [11.5]	39.0 [11.4]	37.7 [11.0]	36.4 [10.7]	36.0 [10.6]
		Sens kBtu/h [kW]	25.4 [7.4]	23.4 [6.9]	22.7 [6.7]	30.6 [9.0]	28.1 [8.2]	27.3 [8.0]	35.0 [10.3]	32.2 [9.4]	31.2 [9.1]
		Power	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	95 [35]	Total kBtu/h [kW]	42.6 [12.5]	41.2 [12.1]	40.7 [11.9]	39.5 [11.6]	38.2 [11.2]	37.7 [11.0]	36.4 [10.7]	35.2 [10.3]	34.8 [10.2]
		Sens kBtu/h [kW]	24.7 [7.2]	22.7 [6.7]	22.1 [6.5]	29.9 [8.8]	27.5 [8.1]	26.7 [7.8]	34.3 [10.1]	31.5 [9.2]	30.6 [9.0]
		Power	3.0	2.9	2.9	3.0	2.9	2.9	3.0	2.9	2.9
	100 [37.8]	Total kBtu/h [kW]	41.2 [12.1]	39.9 [11.7]	39.4 [11.5]	38.1 [11.2]	36.9 [10.8]	36.4 [10.7]	35.0 [10.3]	33.9 [9.9]	33.5 [9.8]
		Sens kBtu/h [kW]	24.0 [7.0]	22.0 [6.4]	21.4 [6.3]	29.1 [8.5]	26.8 [7.9]	26.0 [7.6]	33.5 [9.8]	30.8 [9.0]	29.9 [8.8]
		Power	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	105 [40.6]	Total kBtu/h [kW]	39.9 [11.7]	38.6 [11.3]	38.1 [11.2]	36.8 [10.8]	35.6 [10.4]	35.2 [10.3]	33.7 [9.9]	32.6 [9.6]	32.2 [9.4]
		Sens kBtu/h [kW]	23.2 [6.8]	21.3 [6.2]	20.7 [6.1]	28.3 [8.3]	26.1 [7.6]	25.3 [7.4]	32.8 [9.6]	30.1 [8.8]	29.2 [8.6]
		Power	3.3	3.2	3.2	3.3	3.2	3.2	3.3	3.2	3.2
	110 [43.3]	Total kBtu/h [kW]	38.6 [11.3]	37.3 [10.9]	36.9 [10.8]	35.5 [10.4]	34.3 [10.1]	33.9 [9.9]	32.4 [9.5]	31.3 [9.2]	30.9 [9.1]
		Sens kBtu/h [kW]	22.4 [6.6]	20.6 [6.0]	20.0 [5.9]	27.5 [8.1]	25.3 [7.4]	24.6 [7.2]	32.0 [9.4]	29.4 [8.6]	28.5 [8.4]
		Power	3.4	3.4	3.3	3.4	3.4	3.4	3.4	3.4	3.3
	115 [46.1]	Total kBtu/h [kW]	37.2 [10.9]	36.0 [10.6]	35.6 [10.4]	34.1 [10.0]	33.0 [9.7]	32.6 [9.6]	31.0 [9.1]	30.0 [8.8]	29.7 [8.7]
		Sens kBtu/h [kW]	21.6 [6.3]	19.8 [5.8]	19.2 [5.6]	26.7 [7.8]	24.6 [7.2]	23.8 [7.0]	31.0 [9.1]	28.6 [8.4]	27.8 [8.1]
		Power	3.6	3.5	3.5	3.6	3.5	3.5	3.6	3.5	3.5
	120 [48.9]	Total kBtu/h [kW]	35.9 [10.5]	34.7 [10.2]	34.3 [10.1]	32.8 [9.6]	31.7 [9.3]	31.4 [9.2]	29.7 [8.7]	28.7 [8.4]	28.4 [8.3]
		Sens kBtu/h [kW]	20.7 [6.1]	19.0 [5.6]	18.5 [5.4]	25.9 [7.6]	23.8 [7.0]	23.1 [6.8]	29.7 [8.7]	27.8 [8.1]	27.0 [7.9]
		Power	3.7	3.7	3.6	3.7	3.7	3.6	3.7	3.6	3.6
	125 [51.7]	Total kBtu/h [kW]	34.6 [10.1]	33.4 [9.8]	33.1 [9.7]	31.5 [9.2]	30.4 [8.9]	30.1 [8.8]	28.4 [8.3]	27.4 [8.0]	27.1 [7.9]
		Sens kBtu/h [kW]	19.8 [5.8]	18.2 [5.3]	17.7 [5.2]	25.0 [7.3]	23.0 [6.7]	22.3 [6.5]	28.4 [8.3]	27.0 [7.9]	26.2 [7.7]
		Power	3.9	3.8	3.8	3.9	3.8	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 PERFORMANCE DATA—RACBYB042

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1650 [779]	1400 [661]	1275 [602]	1650 [779]	1400 [661]	1275 [602]	1650 [779]	1400 [661]	1275 [602]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	54.8 [16.1]	53.1 [15.6]	52.2 [15.3]	51.1 [15.0]	49.5 [14.5]	48.7 [14.3]	48.0 [14.1]	46.5 [13.6]	45.7 [13.4]	
		Sens kBtu/h [kW]	32.0 [9.4]	29.5 [8.6]	28.3 [8.3]	37.5 [11.0]	34.6 [10.1]	33.2 [9.7]	41.4 [12.1]	38.3 [11.2]	36.7 [10.8]	
		Power	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.7	2.7	
	80 [26.7]	Total kBtu/h [kW]	53.4 [15.7]	51.7 [15.2]	50.9 [14.9]	49.7 [14.6]	48.2 [14.1]	47.4 [13.9]	46.6 [13.7]	45.1 [13.2]	44.4 [13.0]	
		Sens kBtu/h [kW]	31.3 [9.2]	28.9 [8.5]	27.7 [8.1]	36.8 [10.8]	34.0 [10.0]	32.6 [9.6]	40.8 [12.0]	37.7 [11.0]	36.1 [10.6]	
		Power	3.0	2.9	2.9	3.0	2.9	2.9	2.9	2.9	2.9	
	85 [29.4]	Total kBtu/h [kW]	52.0 [15.2]	50.3 [14.7]	49.5 [14.5]	48.3 [14.2]	46.8 [13.7]	46.0 [13.5]	45.2 [13.2]	43.7 [12.8]	43.0 [12.6]	
		Sens kBtu/h [kW]	30.7 [9.0]	28.3 [8.3]	27.1 [7.9]	36.2 [10.6]	33.4 [9.8]	32.0 [9.4]	40.1 [11.8]	37.0 [10.8]	35.5 [10.4]	
		Power	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.0	3.0	
	90 [32.2]	Total kBtu/h [kW]	50.5 [14.8]	48.9 [14.3]	48.1 [14.1]	46.8 [13.7]	45.3 [13.3]	44.6 [13.1]	43.7 [12.8]	42.3 [12.4]	41.6 [12.2]	
		Sens kBtu/h [kW]	29.9 [8.8]	27.6 [8.1]	26.5 [7.8]	35.5 [10.4]	32.7 [9.6]	31.4 [9.2]	39.4 [11.5]	36.4 [10.7]	34.9 [10.2]	
		Power	3.3	3.2	3.2	3.3	3.2	3.2	3.3	3.2	3.2	
	95 [35]	Total kBtu/h [kW]	48.9 [14.3]	47.4 [13.9]	46.6 [13.7]	45.2 [13.2]	43.8 [12.8]	43.1 [12.6]	42.1 [12.3]	40.8 [12.0]	40.1 [11.8]	
		Sens kBtu/h [kW]	29.2 [8.6]	27.0 [7.9]	25.8 [7.6]	34.7 [10.2]	32.0 [9.4]	30.7 [9.0]	38.7 [11.3]	35.7 [10.5]	34.2 [10.0]	
		Power	3.5	3.4	3.4	3.5	3.4	3.4	3.4	3.4	3.4	
	100 [37.8]	Total kBtu/h [kW]	47.2 [13.8]	45.8 [13.4]	45.0 [13.2]	43.6 [12.8]	42.2 [12.4]	41.5 [12.2]	40.4 [11.8]	39.2 [11.5]	38.5 [11.3]	
		Sens kBtu/h [kW]	28.4 [8.3]	26.2 [7.7]	25.1 [7.4]	33.9 [9.9]	31.3 [9.2]	30.0 [8.8]	37.9 [11.1]	35.0 [10.3]	33.5 [9.8]	
		Power	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	
	105 [40.6]	Total kBtu/h [kW]	45.5 [13.3]	44.1 [12.9]	43.4 [12.7]	41.8 [12.3]	40.5 [11.9]	39.9 [11.7]	38.7 [11.3]	37.5 [11.0]	36.9 [10.8]	
		Sens kBtu/h [kW]	27.6 [8.1]	25.5 [7.5]	24.4 [7.2]	33.1 [9.7]	30.6 [9.0]	29.3 [8.6]	37.0 [10.8]	34.2 [10.0]	32.8 [9.6]	
		Power	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	
	110 [43.3]	Total kBtu/h [kW]	43.7 [12.8]	42.4 [12.4]	41.7 [12.2]	40.1 [11.8]	38.8 [11.4]	38.2 [11.2]	36.9 [10.8]	35.8 [10.5]	35.2 [10.3]	
		Sens kBtu/h [kW]	26.7 [7.8]	24.7 [7.2]	23.7 [6.9]	32.2 [9.4]	29.8 [8.7]	28.5 [8.4]	36.2 [10.6]	33.4 [9.8]	32.0 [9.4]	
		Power	4.1	4.0	4.0	4.1	4.0	4.0	4.0	4.0	3.9	
	115 [46.1]	Total kBtu/h [kW]	41.9 [12.3]	40.6 [11.9]	39.9 [11.7]	38.2 [11.2]	37.0 [10.8]	36.4 [10.7]	35.1 [10.3]	34.0 [10.0]	33.4 [9.8]	
		Sens kBtu/h [kW]	25.9 [7.6]	23.9 [7.0]	22.9 [6.7]	31.4 [9.2]	28.9 [8.5]	27.7 [8.1]	35.1 [10.3]	32.6 [9.6]	31.2 [9.1]	
		Power	4.3	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.2	
	120 [48.9]	Total kBtu/h [kW]	40.0 [11.7]	38.7 [11.3]	38.1 [11.2]	36.3 [10.6]	35.1 [10.3]	34.6 [10.1]	33.2 [9.7]	32.1 [9.4]	31.6 [9.3]	
		Sens kBtu/h [kW]	24.9 [7.3]	23.0 [6.7]	22.1 [6.5]	30.4 [8.9]	28.1 [8.2]	26.9 [7.9]	33.2 [9.7]	31.7 [9.3]	30.4 [8.9]	
		Power	4.5	4.4	4.4	4.5	4.4	4.4	4.5	4.4	4.4	
	125 [51.7]	Total kBtu/h [kW]	38.0 [11.1]	36.8 [10.8]	36.2 [10.6]	34.3 [10.1]	33.2 [9.7]	32.7 [9.6]	31.2 [9.1]	30.2 [8.9]	29.7 [8.7]	
		Sens kBtu/h [kW]	24.0 [7.0]	22.1 [6.5]	21.2 [6.2]	29.5 [8.6]	27.2 [8.0]	26.1 [7.6]	31.2 [9.1]	30.2 [8.9]	29.6 [8.7]	
		Power	4.7	4.7	4.6	4.7	4.7	4.6	4.7	4.6	4.6	

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 PERFORMANCE DATA—RACBYB048

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]			1825 [861]	1600 [755]	1400 [661]	1825 [861]	1600 [755]	1400 [661]	1825 [861]	1600 [755]	1400 [661]
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	59.8 [17.5]	58.3 [17.1]	57.0 [16.7]	55.9 [16.4]	54.5 [16.0]	53.3 [15.6]	52.1 [15.3]	50.8 [14.9]	49.6 [14.5]
		Sens kBtu/h [kW]	34.0 [10.0]	31.9 [9.3]	30.1 [8.8]	39.0 [11.4]	36.6 [10.7]	34.4 [10.1]	43.9 [12.9]	41.2 [12.1]	38.8 [11.4]
		Power	3.1	3.1	3.0	3.1	3.1	3.1	3.1	3.1	3.0
	80 [26.7]	Total kBtu/h [kW]	58.2 [17.1]	56.7 [16.6]	55.5 [16.3]	54.3 [15.9]	53.0 [15.5]	51.8 [15.2]	50.5 [14.8]	49.2 [14.4]	48.1 [14.1]
		Sens kBtu/h [kW]	33.1 [9.7]	31.1 [9.1]	29.3 [8.6]	38.1 [11.2]	35.7 [10.5]	33.6 [9.8]	43.0 [12.6]	40.4 [11.8]	38.0 [11.1]
		Power	3.3	3.3	3.2	3.3	3.3	3.2	3.3	3.3	3.2
	85 [29.4]	Total kBtu/h [kW]	56.6 [16.6]	55.2 [16.2]	54.0 [15.8]	52.8 [15.5]	51.4 [15.1]	50.3 [14.7]	48.9 [14.3]	47.7 [14.0]	46.6 [13.7]
		Sens kBtu/h [kW]	32.2 [9.4]	30.2 [8.9]	28.5 [8.4]	37.2 [10.9]	34.9 [10.2]	32.8 [9.6]	42.1 [12.3]	39.5 [11.6]	37.2 [10.9]
		Power	3.5	3.5	3.4	3.5	3.5	3.4	3.5	3.5	3.4
	90 [32.2]	Total kBtu/h [kW]	55.1 [16.1]	53.7 [15.7]	52.5 [15.4]	51.2 [15.0]	49.9 [14.6]	48.8 [14.3]	47.3 [13.9]	46.2 [13.5]	45.1 [13.2]
		Sens kBtu/h [kW]	31.3 [9.2]	29.4 [8.6]	27.7 [8.1]	36.3 [10.6]	34.0 [10.0]	32.0 [9.4]	41.2 [12.1]	38.7 [11.3]	36.4 [10.7]
		Power	3.7	3.7	3.6	3.7	3.7	3.6	3.7	3.7	3.6
	95 [35]	Total kBtu/h [kW]	53.5 [15.7]	52.1 [15.3]	51.0 [14.9]	49.6 [14.5]	48.4 [14.2]	47.3 [13.9]	45.8 [13.4]	44.6 [13.1]	43.6 [12.8]
		Sens kBtu/h [kW]	30.4 [8.9]	28.5 [8.4]	26.9 [7.9]	35.4 [10.4]	33.2 [9.7]	31.2 [9.1]	40.3 [11.8]	37.8 [11.1]	35.6 [10.4]
		Power	3.9	3.9	3.8	3.9	3.9	3.8	3.9	3.9	3.8
	100 [37.8]	Total kBtu/h [kW]	51.9 [15.2]	50.6 [14.8]	49.5 [14.5]	48.0 [14.1]	46.8 [13.7]	45.8 [13.4]	44.2 [13.0]	43.1 [12.6]	42.1 [12.3]
		Sens kBtu/h [kW]	29.5 [8.6]	27.7 [8.1]	26.1 [7.6]	34.5 [10.1]	32.3 [9.5]	30.5 [8.9]	39.4 [11.5]	37.0 [10.8]	34.8 [10.2]
		Power	4.1	4.0	4.0	4.1	4.1	4.0	4.1	4.0	4.0
	105 [40.6]	Total kBtu/h [kW]	50.3 [14.7]	49.1 [14.4]	48.0 [14.1]	46.5 [13.6]	45.3 [13.3]	44.3 [13.0]	42.6 [12.5]	41.6 [12.2]	40.6 [11.9]
		Sens kBtu/h [kW]	28.6 [8.4]	26.9 [7.9]	25.3 [7.4]	33.6 [9.8]	31.5 [9.2]	29.7 [8.7]	38.5 [11.3]	36.1 [10.6]	34.0 [10.0]
		Power	4.3	4.2	4.2	4.3	4.3	4.2	4.3	4.2	4.2
	110 [43.3]	Total kBtu/h [kW]	48.8 [14.3]	47.5 [13.9]	46.5 [13.6]	44.9 [13.2]	43.8 [12.8]	42.8 [12.5]	41.0 [12.0]	40.0 [11.7]	39.1 [11.5]
		Sens kBtu/h [kW]	27.7 [8.1]	26.0 [7.6]	24.5 [7.2]	32.7 [9.6]	30.7 [9.0]	28.9 [8.5]	37.6 [11.0]	35.3 [10.3]	33.2 [9.7]
		Power	4.5	4.4	4.4	4.5	4.4	4.4	4.5	4.4	4.4
	115 [46.1]	Total kBtu/h [kW]	47.2 [13.8]	46.0 [13.5]	45.0 [13.2]	43.3 [12.7]	42.2 [12.4]	41.3 [12.1]	39.5 [11.6]	38.5 [11.3]	37.6 [11.0]
		Sens kBtu/h [kW]	26.8 [7.9]	25.2 [7.4]	23.7 [6.9]	31.8 [9.3]	29.8 [8.7]	28.1 [8.2]	36.7 [10.8]	34.5 [10.1]	32.4 [9.5]
		Power	4.7	4.6	4.6	4.7	4.6	4.6	4.7	4.6	4.6
	120 [48.9]	Total kBtu/h [kW]	45.6 [13.4]	44.5 [13.0]	43.5 [12.7]	41.8 [12.3]	40.7 [11.9]	39.8 [11.7]	37.9 [11.1]	36.9 [10.8]	36.1 [10.6]
		Sens kBtu/h [kW]	25.9 [7.6]	24.3 [7.1]	22.9 [6.7]	30.9 [9.1]	29.0 [8.5]	27.3 [8.0]	35.8 [10.5]	33.6 [9.8]	31.6 [9.3]
		Power	4.9	4.8	4.8	4.9	4.8	4.8	4.9	4.8	4.8
	125 [51.7]	Total kBtu/h [kW]	44.0 [12.9]	42.9 [12.6]	42.0 [12.3]	40.2 [11.8]	39.2 [11.5]	38.3 [11.2]	36.3 [10.6]	35.4 [10.4]	34.6 [10.1]
		Sens kBtu/h [kW]	25.0 [7.3]	23.5 [6.9]	22.1 [6.5]	30.0 [8.8]	28.1 [8.2]	26.5 [7.8]	34.9 [10.2]	32.8 [9.6]	30.9 [9.1]
		Power	5.1	5.0	5.0	5.1	5.0	5.0	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 PERFORMANCE DATA—RACBYB060

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]			2275 [1074]	2000 [944]	1775 [838]	2275 [1074]	2000 [944]	1775 [838]	2275 [1074]	2000 [944]	1775 [838]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	74.7 [21.9]	72.9 [21.4]	71.4 [20.9]	69.5 [20.4]	67.8 [19.9]	66.4 [19.5]	64.9 [19.0]	63.3 [18.6]	62.0 [18.2]	
		Sens kBtu/h [kW]	42.4 [12.4]	39.9 [11.7]	37.8 [11.1]	48.4 [14.2]	45.5 [13.3]	43.1 [12.6]	55.0 [16.1]	51.7 [15.2]	49.0 [14.4]	
		Power	4.0	4.0	3.9	4.0	4.0	3.9	4.0	3.9	3.9	
	80 [26.7]	Total kBtu/h [kW]	73.2 [21.5]	71.4 [20.9]	69.9 [20.5]	67.9 [19.9]	66.3 [19.4]	64.9 [19.0]	63.4 [18.6]	61.8 [18.1]	60.6 [17.8]	
		Sens kBtu/h [kW]	41.7 [12.2]	39.2 [11.5]	37.1 [10.9]	47.6 [14.0]	44.8 [13.1]	42.4 [12.4]	54.3 [15.9]	51.0 [14.9]	48.3 [14.2]	
		Power	4.3	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.1	
	85 [29.4]	Total kBtu/h [kW]	71.5 [21.0]	69.7 [20.4]	68.3 [20.0]	66.3 [19.4]	64.6 [18.9]	63.3 [18.6]	61.7 [18.1]	60.2 [17.6]	59.0 [17.3]	
		Sens kBtu/h [kW]	40.8 [12.0]	38.3 [11.2]	36.3 [10.6]	46.7 [13.7]	43.9 [12.9]	41.6 [12.2]	53.3 [15.6]	50.1 [14.7]	47.5 [13.9]	
		Power	4.5	4.5	4.4	4.5	4.5	4.4	4.5	4.4	4.4	
	90 [32.2]	Total kBtu/h [kW]	69.6 [20.4]	67.9 [19.9]	66.5 [19.5]	64.4 [18.9]	62.8 [18.4]	61.5 [18.0]	59.8 [17.5]	58.4 [17.1]	57.2 [16.8]	
		Sens kBtu/h [kW]	39.7 [11.6]	37.3 [10.9]	35.3 [10.3]	45.6 [13.4]	42.8 [12.5]	40.6 [11.9]	52.2 [15.3]	49.1 [14.4]	46.5 [13.6]	
		Power	4.8	4.7	4.7	4.8	4.7	4.7	4.7	4.7	4.6	
	95 [35]	Total kBtu/h [kW]	67.6 [19.8]	65.9 [19.3]	64.6 [18.9]	62.3 [18.3]	60.8 [17.8]	59.6 [17.5]	57.8 [16.9]	56.4 [16.5]	55.2 [16.2]	
		Sens kBtu/h [kW]	38.4 [11.3].0	36.0 [10.6]	34.1 [10.0]	44.3 [13.0]	41.6 [12.2]	39.4 [11.5]	50.9 [14.9]	47.9 [14.0]	45.3 [13.3]	
		Power	5.0	5.0	4.9	5.0	5.0	4.9	5.0	4.9	4.9	
	100 [37.8]	Total kBtu/h [kW]	65.3 [19.1]	63.7 [18.7]	62.4 [18.3]	60.1 [17.6]	58.6 [17.2]	57.4 [16.8]	55.5 [16.3]	54.2 [15.9]	53.1 [15.6]	
		Sens kBtu/h [kW]	36.9 [10.8]	34.6 [10.1]	32.8 [9.6]	42.8 [12.5]	40.2 [11.8]	38.1 [11.2]	49.4 [14.5]	46.5 [13.6]	44.0 [12.9]	
		Power	5.3	5.2	5.1	5.3	5.2	5.2	5.2	5.2	5.1	
	105 [40.6]	Total kBtu/h [kW]	62.9 [18.4]	61.4 [18.0]	60.1 [17.6]	57.7 [16.9]	56.3 [16.5]	55.1 [16.1]	53.1 [15.6]	51.8 [15.2]	50.8 [14.9]	
		Sens kBtu/h [kW]	35.2 [10.3]	33.1 [9.7]	31.3 [9.2]	41.1 [12.0]	38.7 [11.3]	36.6 [10.7]	47.8 [14.0]	44.9 [13.2]	42.5 [12.5]	
		Power	5.5	5.4	5.4	5.5	5.5	5.4	5.5	5.4	5.4	
	110 [43.3]	Total kBtu/h [kW]	60.3 [17.7]	58.9 [17.3]	57.7 [16.9]	55.1 [16.1]	53.7 [15.7]	52.7 [15.4]	50.5 [14.8]	49.3 [14.4]	48.3 [14.2]	
		Sens kBtu/h [kW]	33.3 [9.8]	31.3 [9.2]	29.7 [8.7]	39.3 [11.5]	36.9 [10.8]	35.0 [10.3]	45.9 [13.5]	43.2 [12.7]	40.9 [12.0]	
		Power	5.8	5.7	5.6	5.8	5.7	5.6	5.7	5.7	5.6	
	115 [46.1]	Total kBtu/h [kW]	57.6 [16.9]	56.2 [16.5]	55.0 [16.1]	52.3 [15.3]	51.0 [14.9]	50.0 [14.7]	47.8 [14.0]	46.6 [13.7]	45.6 [13.4]	
		Sens kBtu/h [kW]	31.3 [9.2]	29.4 [8.6]	27.9 [8.2]	37.2 [10.9]	35.0 [10.3]	33.2 [9.7]	43.9 [12.9]	41.2 [12.1]	39.1 [11.5]	
		Power	6.0	5.9	5.9	6.0	6.0	5.9	6.0	5.9	5.9	
	120 [48.9]	Total kBtu/h [kW]	54.6 [16.0]	53.3 [15.6]	52.2 [15.3]	49.4 [14.5]	48.2 [14.1]	47.2 [13.8]	44.8 [13.1]	43.7 [12.8]	42.8 [12.5]	
		Sens kBtu/h [kW]	29.1 [8.5]	27.3 [8.0]	25.9 [7.6]	35.0 [10.3]	32.9 [9.6]	31.2 [9.1]	41.7 [12.2]	39.1 [11.5]	37.1 [10.9]	
		Power	6.3	6.2	6.1	6.3	6.2	6.1	6.2	6.2	6.1	
	125 [51.7]	Total kBtu/h [kW]	51.5 [15.1]	50.2 [14.7]	49.2 [14.4]	46.2 [13.5]	45.1 [13.2]	44.2 [13.0]	41.7 [12.2]	40.7 [11.9]	39.8 [11.7]	
		Sens kBtu/h [kW]	26.7 [7.8]	25.1 [7.4]	23.7 [6.9]	32.6 [9.6]	30.6 [9.0]	29.0 [8.5]	39.2 [11.5]	36.9 [10.8]	34.9 [10.2]	
		Power	6.5	6.4	6.4	6.5	6.4	6.4	6.5	6.4	6.3	

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

INDOOR AIRFLOW PERFORMANCE RACBYB—208/230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max) [Tap 2 Only]	Blower Size, Motor HP [W] & # of Speeds	Motor Tap - Usage		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 1	700 CFM / 900 CFM	10X9 Blower 1/2 HP [372] 2 Speed (Constant Torque)	Tap 1 Electric Heat / Fan-Only	CFM	996	927	881	790	713	668	618	530	481	418
						RPM	480	564	626	720	779	829	878	953	992	1038
						Watts	78	89	98	111	118	125	132	142	148	155
					Tap 2 High *	CFM	1131	1072	1028	977	896	816	780	731	683	622
						RPM	519	589	649	710	796	854	892	944	990	1044
						Watts	104	116	126	137	151	162	168	177	184	194
2.5 [8.79]	Tap 2	Tap 1	875 CFM / 1125 CFM	10X9 Blower 1/2 HP [372] 2 Speed (Constant Torque)	Tap 1 Electric Heat / Fan-Only	CFM	1155	1111	1067	1012	964	876	826	785	739	691
						RPM	571	626	687	758	807	884	925	971	1019	1064
						Watts	122	133	143	156	165	179	187	195	204	213
					Tap 2 High *	CFM	1256	1225	1189	1146	1095	1051	982	915	880	845
						RPM	615	659	714	771	836	883	948	998	1035	1074
						Watts	156	165	178	190	204	215	229	240	249	258
3.0 [10.55]	Tap 2	Tap 1	1050 CFM / 1350 CFM	10x9 Blower 1/2 HP [372] 2 Speed (Constant Torque)	Tap 1 Electric Heat / Fan-Only	CFM	1291	1253	1216	1174	1134	1091	1040	959	915	879
						RPM	599	649	699	752	804	856	914	984	1023	1064
						Watts	160	171	183	195	207	219	233	249	258	268
					Tap 2 High *	CFM	1456	1419	1386	1349	1313	1276	1238	1200	1156	1094
						RPM	643	695	740	788	830	882	930	976	1028	1087
						Watts	218	232	245	259	272	286	299	312	328	345
3.5 [12.31]	Tap 2	Tap 1	1225 CFM / 1575 CFM	12x9 Blower 3/4 HP [559] 2 Speed (Constant Torque)	Tap 1 Electric Heat / Fan-Only	CFM	1496	1453	1416	1368	1317	1257	1226	1189	1144	1092
						RPM	617	656	697	739	788	846	872	907	946	984
						Watts	236	249	263	277	294	313	321	333	346	359
					Tap 2 High *	CFM	1677	1642	1601	1558	1519	1482	1420	1392	1359	1324
						RPM	669	701	740	783	819	857	918	950	975	1005
						Watts	320	334	350	367	382	398	424	436	447	460

NOTES: (1)* Use motor tap 2 to achieve rated airflow at AHRI minimum external static pressure.

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACBYB—208/230 VOLTS (CONTINUED)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max) [Tap 2 Only]	Blower Size, Motor HP [W] & # of Speeds	Motor Speed/Tap - Usage		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]
4.0 [14.07]	Tap 2	Tap 1	1400 CFM / 1800 CFM	12x9 Blower 3/4 HP [559] 2 Speed (Constant Torque)	Tap 1 Electric Heat / Fan-Only	CFM	1689	1636	1605	1567	1527	1479	1441	1394	1365	1323
						RPM	577	623	658	696	732	783	823	875	902	936
						Watts	261	279	294	308	322	341	357	377	387	402
					Tap 2 High *	CFM	1803	1764	1729	1689	1657	1618	1578	1543	1506	1476
						RPM	605	640	676	713	746	785	828	867	921	947
						Watts	314	330	346	362	377	394	414	431	455	468
5.0 [17.59]	Tap 2	Tap 1	1750 CFM / 2250 CFM	12x9 Blower 1 HP [746] 2 Speed (Constant Torque)	Tap 1 Electric Heat / Fan-Only	CFM	2122	2087	2053	2020	1990	1954	1920	1887	1856	1826
						RPM	712	742	770	800	828	861	895	928	962	990
						Watts	480	498	514	531	548	567	587	606	626	646
					Tap 2 High *	CFM	2238	2212	2183	2151	2118	2086	2057	2025	1995	1964
						RPM	754	777	804	831	861	891	919	950	980	1010
						Watts	574	589	607	624	644	664	682	703	724	748

NOTES: (1)* Use motor tap 2 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 - RACBYB SERIES

		024AJT	030ACT	030AJT	036ACT	036AJT	042ACT
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	3	1	3
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	20	18	22	21	27	24
	Minimum Overcurrent Protection	25	25	25	25	35	30
	Maximum Overcurrent Protection	30	25	30	30	40	35
Compressor Motor	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	3	1	3
	Amps (RLA), Comp. 1	11.4	9.6	12.7	12.2	16.7	12.8
	Amps (LRA), Comp. 1	64.4	70.0	75.6	97.5	93.5	102.8
	Amps (RLA), Comp. 2	N/A	N/A	N/A	N/A	N/A	N/A
	Amps (LRA), Comp. 2	N/A	N/A	N/A	N/A	N/A	N/A
Condenser Motor	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.65	1.65	1.65	1.65	1.65	1.65
	Amps (LRA, each)	3.5	3.5	3.5	3.5	3.5	3.5
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	3/4
	Amps (FLA, each)	4.1	4.1	4.1	4.1	4.1	6
	Amps (LRA, each)	0	0	0	0	0	0

ELECTRICAL DATA - RACBYB SERIES

		042AJT	048ACT	048AJT	060ACT	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	3	1	3	1
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	30	25	37	31	40
	Minimum Overcurrent Protection	35	30	45	35	50
	Maximum Overcurrent Protection	45	35	50	45	60
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	3	1
	Amps (RLA), Comp. 1	17.3	12.8	22.4	16	23.7
	Amps (LRA), Comp. 1	123	123	126	156.4	157
	Amps (RLA), Comp. 2	N/A	N/A	N/A	N/A	N/A
	Amps (LRA), Comp. 2	N/A	N/A	N/A	N/A	N/A
Condenser Motor	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	1/2	1/2	1/2	1/2
	Amps (FLA, each)	1.65	2.7	2.7	2.7	2.7
	Amps (LRA, each)	3.5	3.8	3.8	3.8	3.8
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	3/4	3/4	3/4	1	1
	Amps (FLA, each)	6	6	6	7.6	7.6
	Amps (LRA, each)	0	0	0	0	0

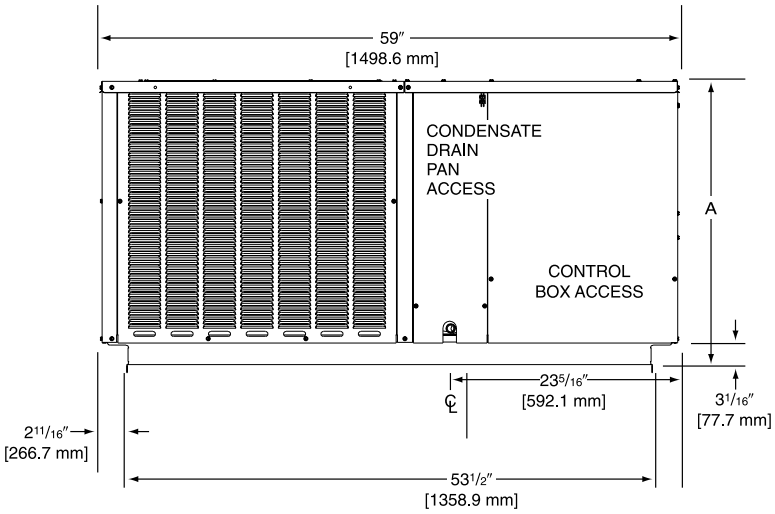
208/230 VOLT, SINGLE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION												
Single Power Supply for Both Unit and Heater Kit								Separate Power Supply for Both Unit and Heater Kit				
Unit Model Number	Heater Kit				Air Conditioner			Heater Kit		Air Conditioner		
	RXQJ- Heater Kit Nominal kW	Rated Heater kW @ Rated Voltage	Heater MBH @ Rated Voltage	Heater Amps @ Rated Voltage	Unit Min. Ckt. Ampacity @ Rated Voltage	Overcurrent Protective Device Size		Min. Ckt. Ampacity @ Rated Voltage	Max. Fuse Size @ Rated Voltage	Min. Ckt. Ampacity @ Rated Voltage	Overcurrent Protective Device Size	
						Min./Max. @ Min Voltage	Min./Max. @ Max Voltage				Min./Max. @ Min Voltage	Min./Max. @ Max Voltage
RACBYB024AJT	NONE*	—/—	—/—	—/—	20/20	25/30	25/30	—	—	20/20	25/30	25/30
	C05J	3.6/4.8	12.28/16.38	17.3/20.0	27/31	30/30	35/35	22/25	25/25	20/20	25/30	25/30
	C07J	5.4/7.2	18.42/24.56	26.0/30.0	38/43	40/40	45/45	33/38	35/40	20/20	25/30	25/30
	C10J	7.2/9.6	24.56/32.75	34.6/40.0	49/56	50/50	60/60	44/50	45/50	20/20	25/30	25/30
RACBYB030AJT	NONE*	—/—	—/—	—/—	22/22	25/30	25/30	—	—	22/22	25/30	25/30
	C05J	3.6/4.8	12.28/16.38	17.3/20.0	27/31	30/30	35/35	22/25	25/25	22/22	25/30	25/30
	C07J	5.4/7.2	18.42/24.56	26.0/30.0	38/43	40/40	45/45	33/38	35/40	22/22	25/30	25/30
	C10J	7.2/9.6	24.56/32.75	34.6/40.0	49/56	50/50	60/60	44/50	45/50	22/22	25/30	25/30
	C15J	10.8/14.4	36.84/49.13	51.9/60.0	70/81	70/70	90/90	65/75	70/80	22/22	25/30	25/30
RACBYB036AJT	NONE*	—/—	—/—	—/—	27/27	35/40	35/40	—	—	27/27	35/40	35/40
	C05J	3.6/4.8	12.28/16.38	17.3/20.0	27/31	35/40	35/40	22/25	25/25	27/27	35/40	35/40
	C07J	5.4/7.2	18.42/24.56	26.0/30.0	38/43	40/40	45/45	33/38	35/40	27/27	35/40	35/40
	C10J	7.2/9.6	24.56/32.75	34.6/40.0	49/56	50/50	60/60	44/50	45/50	27/27	35/40	35/40
	C15J	10.8/14.4	36.84/49.13	51.9/60.0	70/81	70/70	90/90	65/75	70/80	27/27	35/40	35/40
RACBYB042AJT	NONE*	—/—	—/—	—/—	30/30	35/45	35/45	—	—	30/30	35/45	35/45
	C05J	3.6/4.8	12.28/16.38	17.3/20.0	30/33	35/45	35/45	22/25	25/25	30/30	35/45	35/45
	C07J	5.4/7.2	18.42/24.56	26.0/30.0	40/45	40/45	45/45	33/38	35/40	30/30	35/45	35/45
	C10J	7.2/9.6	24.56/32.75	34.6/40.0	51/58	60/60	60/60	44/50	45/50	30/30	35/45	35/45
	C15J	10.8/14.4	36.84/49.13	51.9/60.0	73/83	80/80	90/90	65/75	70/80	30/30	35/45	35/45
	C20J	14.4/19.2	49.13/65.50	69.3/80.0	95/108	100/100	110/110	87/100	90/100	30/30	35/45	35/45
RACBYB048AJT	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
RACBYB060AJT	NONE*	—/—	—/—	—/—	40/40	50/60	50/60	—	—	40/40	50/60	50/60
	C05J	3.6/4.8	12.28/16.38	17.3/20.0	40/40	50/60	50/60	22/25	25/25	40/40	50/60	50/60
	C07J	5.4/7.2	18.42/24.56	26.0/30.0	42/47	50/60	50/60	33/38	35/40	40/40	50/60	50/60
	C10J	7.2/9.6	24.56/32.75	34.6/40.0	53/60	60/60	60/60	44/50	45/50	40/40	50/60	50/60
	C15J	10.8/14.4	36.84/49.13	51.9/60.0	75/85	80/80	90/90	65/75	70/80	40/40	50/60	50/60
	C20J	14.4/19.2	49.13/65.50	69.3/80.0	97/110	100/100	110/110	87/100	90/100	40/40	50/60	50/60

208/230 VOLT, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION													
Single Power Supply for Both Unit and Heater Kit								Separate Power Supply for Both Unit and Heater Kit					
Unit Model Number	Heater Kit				Air Conditioner			Heater Kit		Air Conditioner			
	RXQJ- Heater Kit Nominal kW	Rated Heater kW @ Rated Voltage	Heater MBH @ Rated Voltage	Heater Amps @ Rated Voltage	Unit Min. Ckt. Ampacity @ Rated Voltage	Overcurrent Protective Device Size		Min. Ckt. Ampacity @ Rated Voltage	Max. Fuse Size @ Rated Voltage	Min. Ckt. Ampacity @ Rated Voltage	Overcurrent Protective Device Size		
						Min./Max. @ Min Voltage	Min./Max. @ Max Voltage				Min./Max. @ Min Voltage	Min./Max. @ Max Voltage	
RACBYB030ACT	NONE*	—/—	—/—	—/—	18/18	25/25	25/25	—	—	18/18	25/25	25/25	
	C10C	7.2/9.6	24.56/32.75	20.0/23.1	31/34	35/35	35/35	25/29	25/30	18/18	25/25	25/25	
	C15C	10.8/14.4	36.84/49.13	30.0/34.6	43/49	45/45	50/50	38/44	40/45	18/18	25/25	25/25	
RACBYB036ACT	NONE*	—/—	—/—	—/—	21/21	25/30	25/30	—	—	21/21	25/30	25/30	
	C10C	7.2/9.6	24.56/32.75	20.0/23.1	31/34	35/35	35/35	25/29	25/30	21/21	25/30	25/30	
	C15C	10.8/14.4	36.84/49.13	30.0/34.6	43/49	45/45	50/50	38/44	40/45	21/21	25/30	25/30	
RACBYB042ACT	NONE*	—/—	—/—	—/—	24/24	30/35	30/35	—	—	24/24	30/35	30/35	
	C10C	7.2/9.6	24.56/32.75	20.0/23.1	33/37	35/35	40/40	25/29	25/30	24/24	30/35	30/35	
	C15C	10.8/14.4	36.84/49.13	30.0/34.6	45/51	45/45	60/60	38/44	40/45	24/24	30/35	30/35	
	C20C	14.4/19.2	49.13/65.50	40.0/46.2	58/66	60/60	70/70	50/58	50/60	24/24	30/35	30/35	
RACBYB048ACT	NONE*	—/—	—/—	—/—	25/25	30/35	30/35	—	—	25/25	30/35	30/35	
	C10C	7.2/9.6	24.56/32.75	20.0/23.1	33/37	35/35	40/40	25/29	25/30	25/25	30/35	30/35	
	C15C	10.8/14.4	36.84/49.13	30.0/34.6	45/51	45/45	60/60	38/44	40/45	25/25	30/35	30/35	
	C20C	14.4/19.2	49.13/65.50	40.0/46.2	58/66	60/60	70/70	50/58	50/60	25/25	30/35	30/35	
RACBYB060ACT	NONE*	—/—	—/—	—/—	31/31	35/45	35/45	—	—	31/31	35/45	35/45	
	C10J	7.2/9.6	24.56/32.75	20.0/23.1	35/39	35/45	40/45	25/29	25/30	31/31	35/45	35/45	
	C15C	10.8/14.4	36.84/49.13	30.0/34.6	47/53	50/50	60/60	38/44	40/45	31/31	35/45	35/45	
	C20C	14.4/19.2	49.13/65.50	40.0/46.2	60/68	60/60	70/70	50/58	50/60	31/31	35/45	35/45	

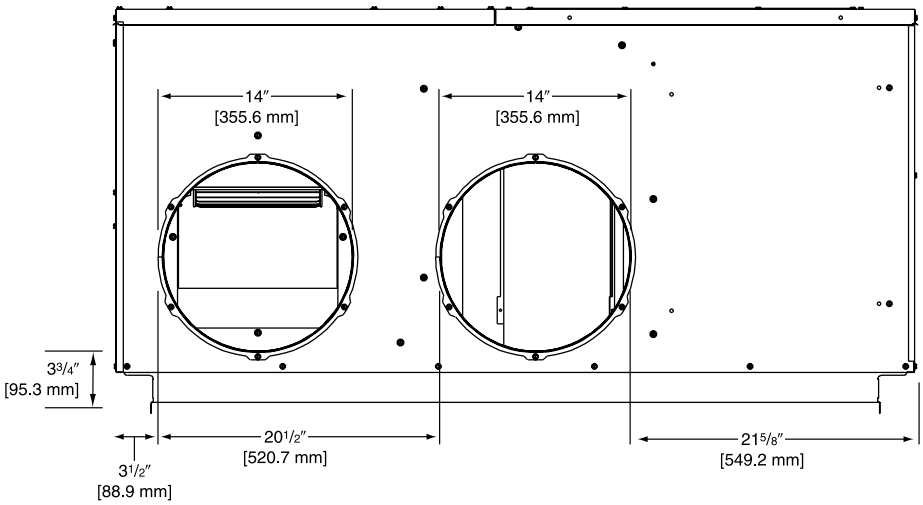
DIMENSIONS

Model	Height "A"
024, 030, 036, 042	29 1/8"
048,060	37 1/8"

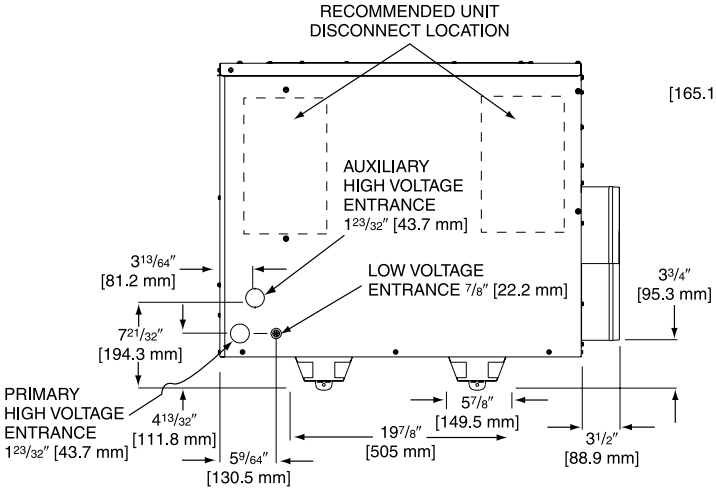
FRONT VIEW



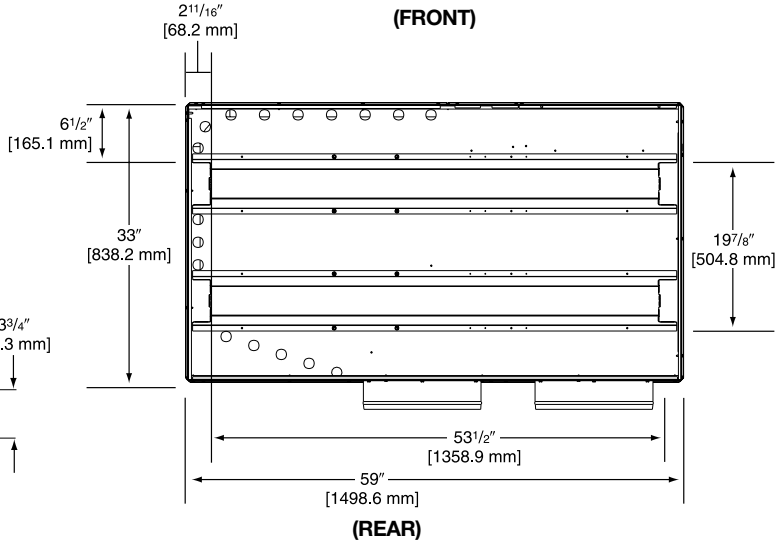
REAR VIEW



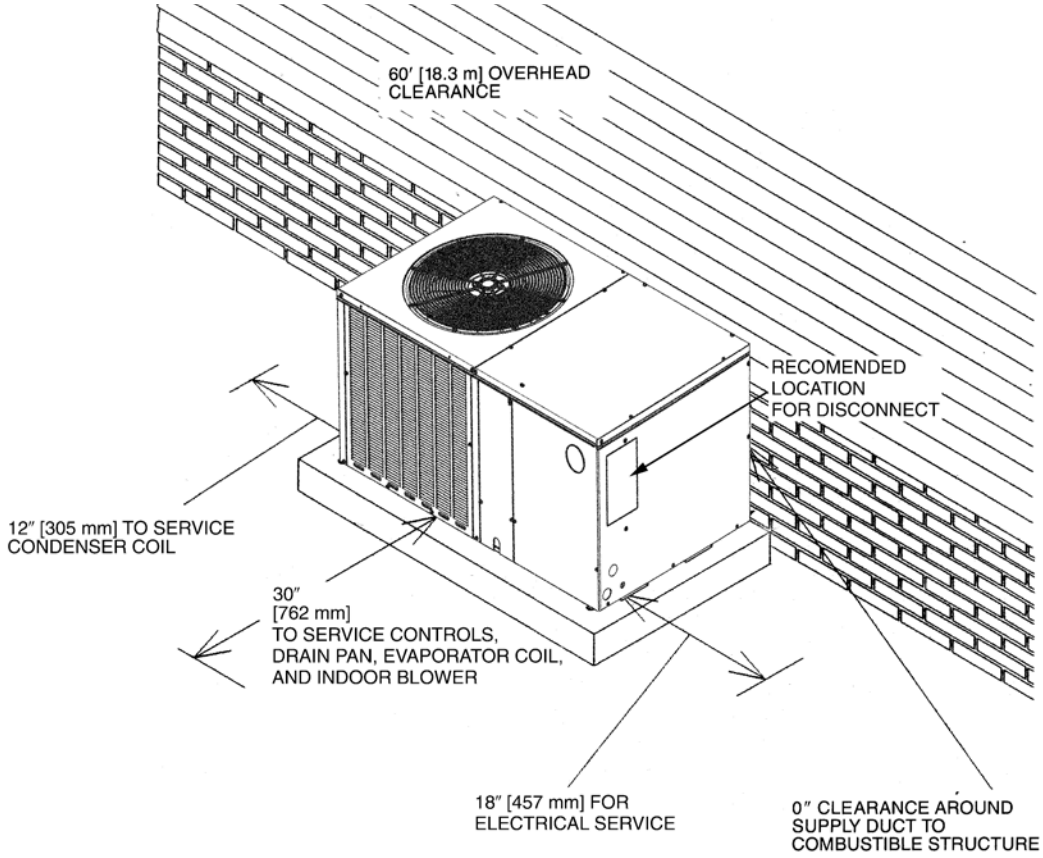
ELECTRICAL CONNECTIONS

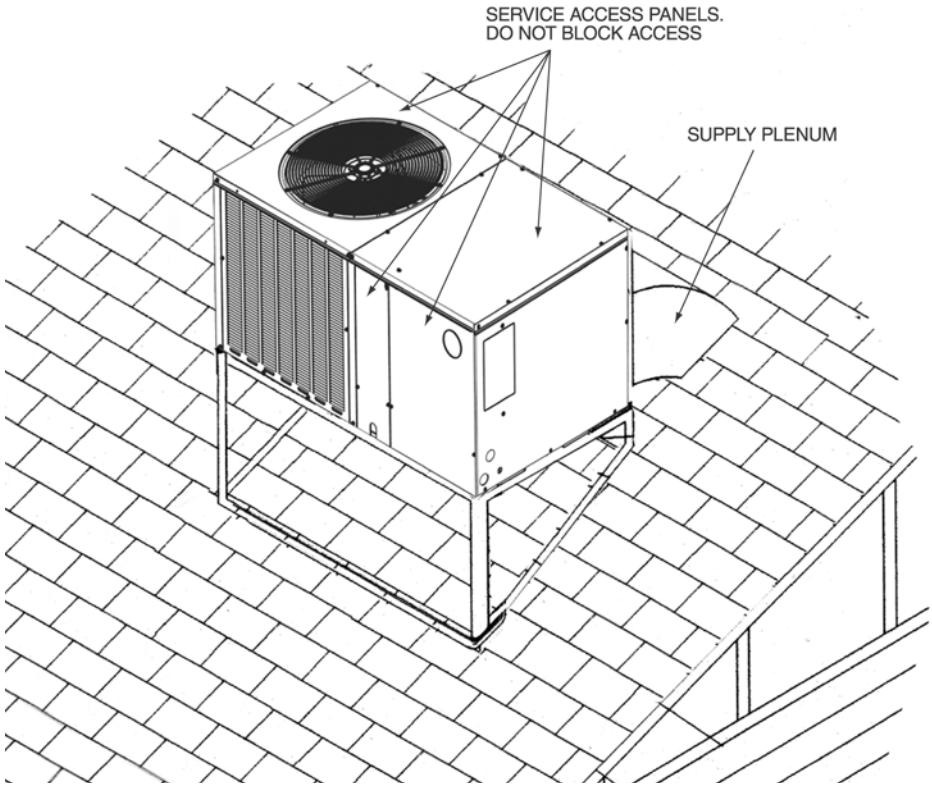


BOTTOM VIEW



[ ] Designates Metric Conversions





[ ] Designates Metric Conversions

GENERAL TERMS OF LIMITED WARRANTY*

Russell® By 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.**

Compressor

Residential Applications ..... Ten (10) Years
Commercial Applications..... Five (5) Years

Parts

Residential Applications
(Registration Required) ..... Ten (10) Years
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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Fort Smith, Arkansas 72908 • RussellByRheem.com

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