Endeavor® Line *Achiever*® Series iR Residential Packaged Dedicated Horizontal Air Conditioners

RACBYB

Cooling Efficiency: 13.4 SEER2
Nominal Sizes: 2-5 Tons [7.0 - 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**
- **PlusOne® 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 maneuverability 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
- **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%[2] 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 of energy efficient, dependable comfort

[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. [2]When comparing the GWP of R-454B to R-410A refrigerant.

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 - Ruud	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]	17,005 [4.98]	21,367 [6.26]	21,367 [6.26]	26,656 [7.81]
Net Latent Capacity Btu/h [kW]	8,196 [2.4]	8,635 [2.53]	8,635 [2.53]	10,269 [3.01]
Net System Power [kW]	2.15	2.69	2.69	3.23
Compressor				
No./Stg/Type	1/1/Scroll	1/1/Scroll	1/1/Scroll	1/1/Scroll
Outdoor Sound Rating (dB)[3]	81	81	81	81
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in.	0.47 [11.99]	0.47 [11.99]	0.47 [11.99]	0.47 [11.99]
Face Area sq. ft. [sq. m]	10.1 [0.94]	12.36 [1.15]	12.36 [1.15]	12.36 [1.15]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in.	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]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]	1 / 18 [7]
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 [1604]	3400 [1604]	3400 [1604]	3400 [1604]
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	Field Supplied	Field Supplied	Field Supplied	Field Supplied
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 [1474]	53 [1503]	53 [1503]	49 [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]	26,656 [7.81]	32,049 [9.39]	32,049 [9.39]	34,141 [10.01]
Net Latent Capacity Btu/h [kW]	10,269 [3.01]	13,914 [4.08]	13,914 [4.08]	15,385 [4.51]
Net System Power [kW]	3.23	3.76	3.76	4.3
Compressor				
No./Stg/Type	1/1/Scroll	1/1/Scroll	1/1/Scroll	1/1/Scroll
Outdoor Sound Rating (dB)[3]	81	81	81	84
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in.	0.47 [11.99]	0.47 [11.99]	0.47 [11.99]	0.63 [16.00]
Face Area sq. ft. [sq. m]	12.36 [1.15]	12.36 [1.15]	12.36 [1.15]	16.14 [1.5]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in.	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]	1 / 18 [7]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
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 [1604]	3400 [1604]	3400 [1604]	4500 [2124]
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]	1/10x9 [254x229]	1/11x9 [279x229]	1/11x9 [279x229]	1/11x9 [279x229]
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	Field Supplied	Field Supplied	Field Supplied	Field Supplied
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 [1389]	48 [1361]	48 [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 [13.48]	57,000 [16.7]	57,000 [16.7]
Net Sensible Capacity Btu/h [kW]	34,141 [10.01]	42,246 [12.38]	42,246 [12.38]
Net Latent Capacity Btu/h [kW]	15,385 [4.51]	21,889 [6.42]	21,889 [6.42]
Net System Power [kW]	4.3	5.38	5.38
Compressor			
No./Stg/Type	1/1/Scroll	1/1/Scroll	1/1/Scroll
Outdoor Sound Rating (dB)[3]	84	84	84
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in.	0.63 [16.00]	0.984 [25.00]	0.984 [25.00]
Face Area sq. ft. [sq. m]	16.14 [1.5]	16.19 [1.5]	16.19 [1.5]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in.	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]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
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]	4500 [2124]	4500 [2124]	4500 [2124]
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]	1/11x9 [279x229]	1/11x9 [279x229]	1/11x9 [279x229]
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	Field Supplied	Field Supplied	Field Supplied
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)	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 - Low Electric Heat / Fan-Only	CFM	1038	979	919	849	751	700	647	595	524	457
						RPM	496	571	635	710	785	833	878	948	991	1036
						Watts	89	99	109	120	130	137	143	153	159	166
					Tap 2 High *	CFM	—	—	—	984	896	813	782	727	675	603
						RPM	—	—	—	709	794	856	895	939	1017	1068
						Watts	—	—	—	141	155	165	173	179	193	201
2.5 [2.79]	Tap 2	Tap 1	875 CFM / 1125 CFM	12x9T Blower 1/2 HP [372] 2 Speed (Constant Torque)	Tap 1 - Low Electric Heat / Fan-Only	CFM	1211	1162	1114	1064	1014	866	813	754	699	636
						RPM	546	611	674	736	795	889	932	985	1037	1066
						Watts	124	136	147	159	169	186	193	204	213	219
					Tap 2 High *	CFM	—	—	1222	1183	1141	1083	1027	910	884	851
						RPM	—	—	687	736	791	845	910	998	1026	1068
						Watts	—	—	176	188	199	210	224	244	249	259
3.0 [10.55]	Tap 2	Tap 1	1050 CFM / 1350 CFM	12x9T Blower 1/2 HP [372] 2 Speed (Constant Torque)	Tap 1 - Low Electric Heat / Fan-Only	CFM	1350	1313	1272	1230	1176	1131	1062	980	947	911
						RPM	622	664	717	771	8228	878	951	1010	1044	1079
						Watts	178	187	200	213	225	236	253	266	275	284
					Tap 2 High *	CFM	—	—	1438	1398	1362	1319	1266	1226	1153	1058
						RPM	—	—	763	811	859	908	964	1009	1076	1120
						Watts	—	—	266	280	293	307	321	336	355	358
3.5 [12.31]	Tap 2	Tap 1	1225 CFM / 1575 CFM	12x9T Blower 3/4 HP [559] 2 Speed (Constant Torque)	Tap 1 - Low Electric Heat / Fan-Only	CFM	1575	1531	1478	1431	1389	1345	1297	1242	1184	1132
						RPM	604	639	684	726	768	810	854	898	947	988
						Watts	237	248	263	276	289	304	318	332	348	362
					Tap 2 High *	CFM	—	—	1667	1619	1584	1550	1507	1465	1426	1379
						RPM	—	—	723	762	799	837	875	917	957	999
						Watts	—	—	341	355	371	386	402	418	434	451

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)	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]
4.0 [14.07]	Tap 2	Tap 1	1400 CFM / 1800 CFM	12x9T Blower 3/4 HP [559] 2 Speed (Constant Torque)	Tap 1 - Low Electric Heat / Fan-Only	CFM	1725	1669	1622	1573	1529	1478	1431	1377	1338	1294
						RPM	591	626	662	708	749	793	841	904	937	967
						Watts	273	281	294	311	326	342	360	383	395	407
					Tap 2 High *	CFM	1826	1789	1745	1696	1651	1615	1556	1519	1468	1412
						RPM	616	646	684	722	764	809	853	895	945	997
						Watts	320	331	349	359	382	401	417	437	457	477
5.0 [17.59]	Tap 2	Tap 1	1750 CFM / 2250 CFM	12x9R Blower 1 HP [746] 2 Speed (Constant Torque)	Tap 1 - Low Electric Heat / Fan-Only	CFM	2153	2125	2073	2051	2005	1974	1937	1898	1865	1839
						RPM	695	718	757	780	818	843	883	919	947	978
						Watts	472	484	504	518	538	550	574	591	607	628
					Tap 2 High *	CFM	—	2256	2219	2171	2163	2128	2091	2045	2026	1987
						RPM	—	755	786	822	840	876	907	943	961	999
						Watts	—	581	600	621	632	655	673	695	708	735

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	20	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	12.7	9.6	12.7	12.2	16.7	14.9
	Amps (LRA), Comp. 1	64.4	67.7	75.6	97.5	93.5	90
	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)	1.5	1.5	1.5	1.5	1.5	1.5
	Amps (LRA, each)	3	3	3	3	3	3
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	30	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	15.8	12.8	22.4	20.4	22.6
	Amps (LRA), Comp. 1	96	120.4	126	93	148
	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)	1.5	2.3	2.3	2.3	2.3
	Amps (LRA, each)	3	5.5	5.5	5.5	5.5
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

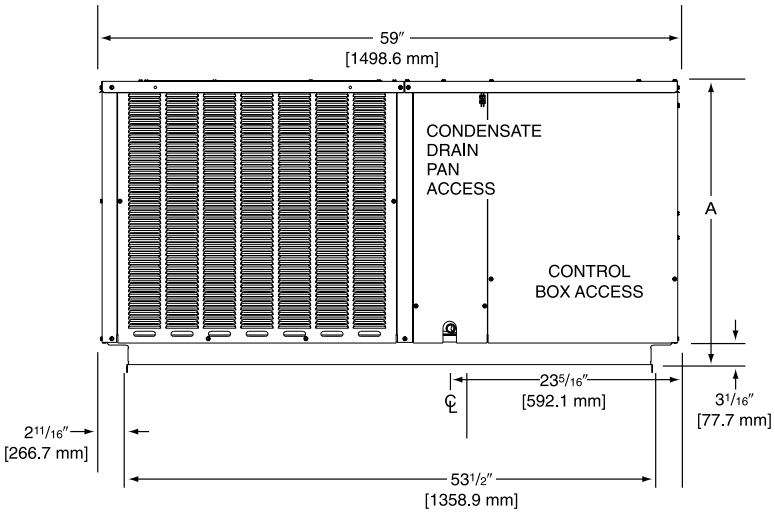
208/230 VOLT, SINGLE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION												
Single Power Supply for Both Unit and Heater Kit								Separate Power Supply for Both Unit and Heater Kit				
Unit Model Number	Heater Kit				Air Conditioner			Heater Kit		Air Conditioner		
	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	20/25	20/25	—	—	18/18	20/25	20/25
	C10C	7.2/9.6	24.56/32.75	20.0/23.1	31/34	35/35	60/60	25/29	25/30	18/18	20/25	20/25
	C15C	10.8/14.4	36.84/49.13	30.0/34.6	43/49	45/45	90/90	38/44	40/45	18/18	20/25	20/25
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	60/60	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	90/90	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	60/60	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	90/90	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	110/110	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	60/60	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	90/90	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	110/110	50/58	50/60	25/25	30/35	30/35
RACBYB060ACT	NONE*	—/—	—/—	—/—	30/30	35/45	35/45	—	—	30/30	35/45	35/45
	C10J	7.2/9.6	24.56/32.75	20.0/23.1	35/39	35/45	60/60	25/29	25/30	30/30	35/45	35/45
	C15C	10.8/14.4	36.84/49.13	30.0/34.6	47/53	50/50	90/90	38/44	40/45	30/30	35/45	35/45
	C20C	14.4/19.2	49.13/65.50	40.0/46.2	60/68	60/60	110/110	50/58	50/60	30/30	35/45	35/45

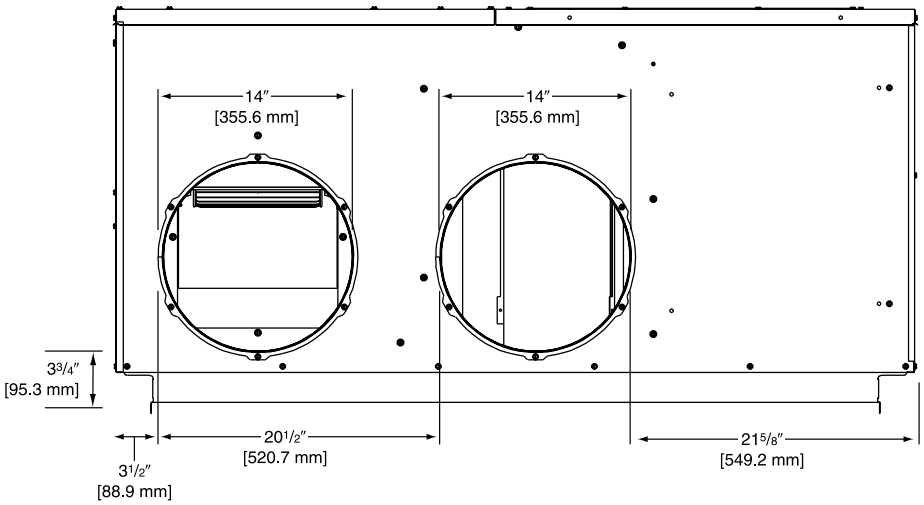
DIMENSIONS

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

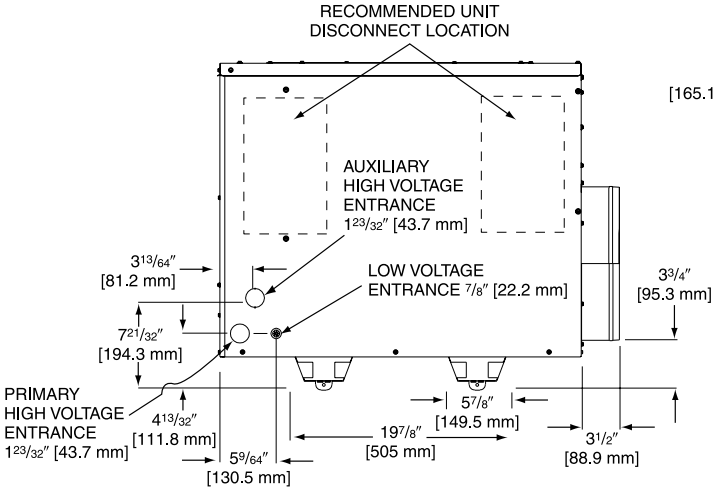
FRONT VIEW



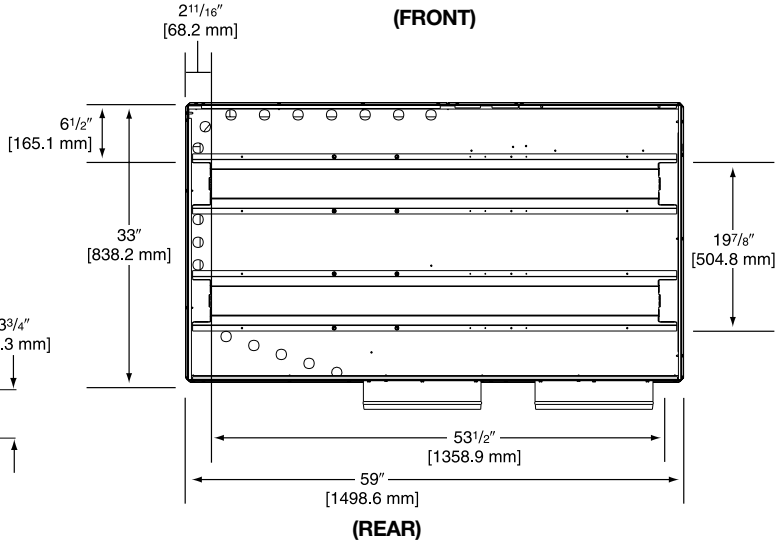
REAR VIEW



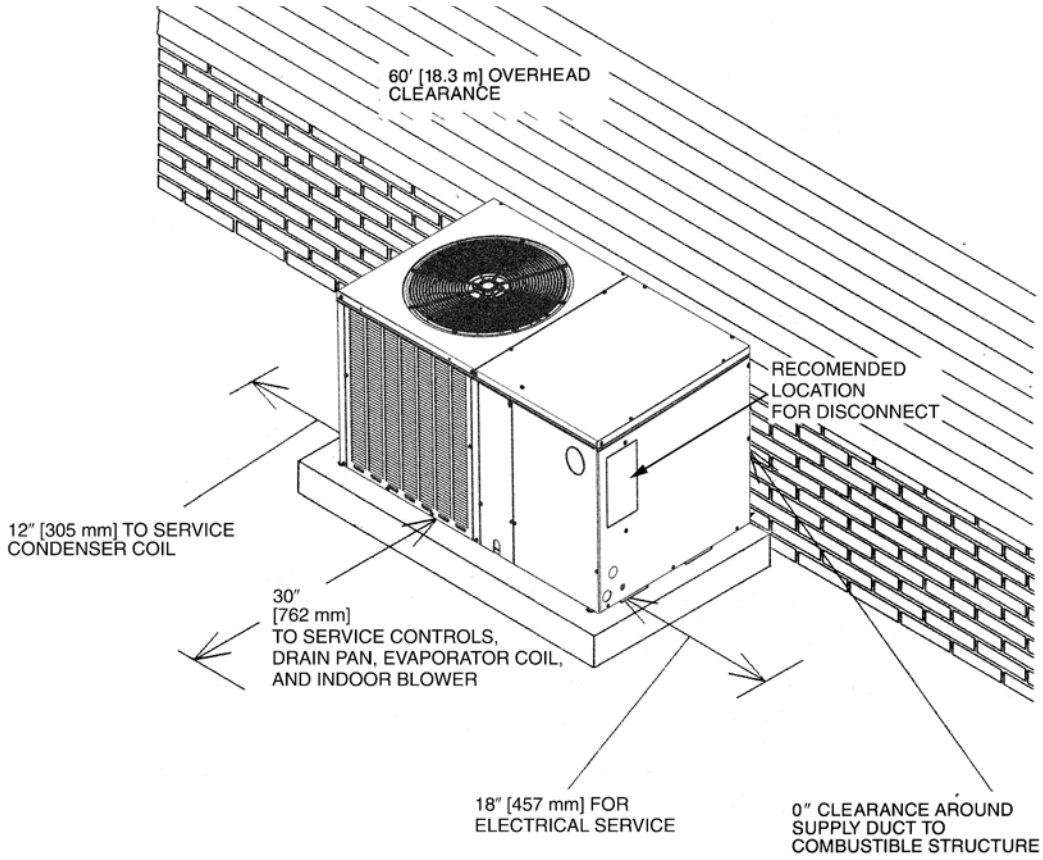
ELECTRICAL CONNECTIONS

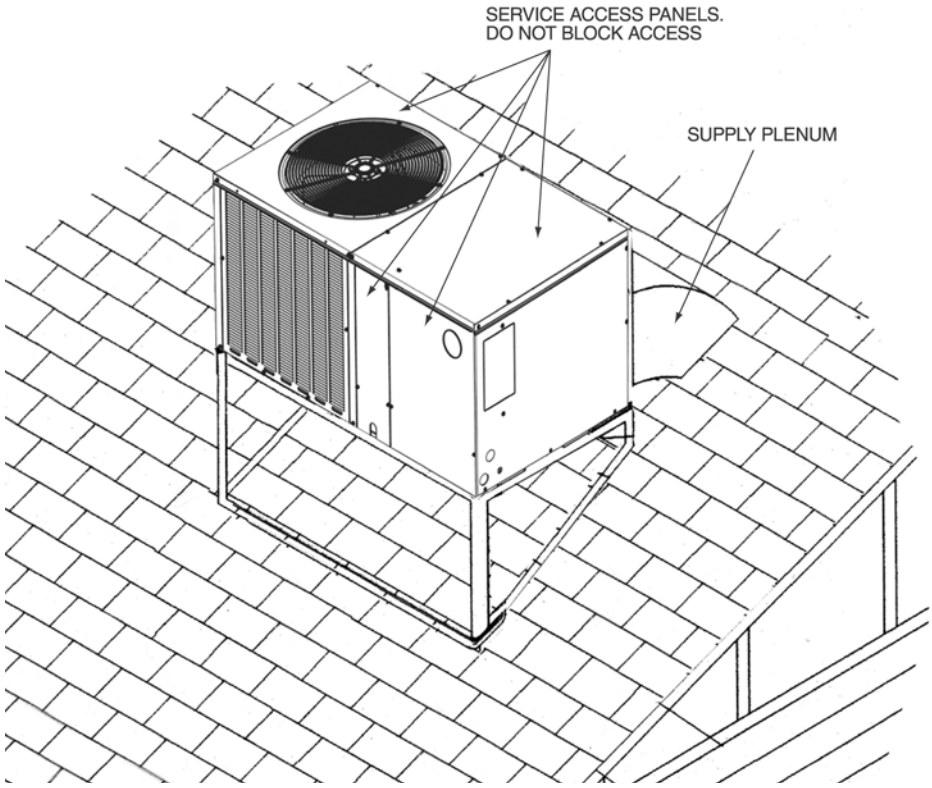


BOTTOM VIEW



[ ] Designates Metric Conversions





[ ] Designates Metric Conversions

GENERAL TERMS OF LIMITED WARRANTY*

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

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

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.

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

5600 Old Greenwood Road
Fort Smith, Arkansas 72908 • www.ruud.com

125 Edgeware Road, Unit 1
Brampton, Ontario • L6Y 0P5 • ruud-canada.ca

PRINTED IN U.S.A. 12/24 QG FORM NO. S22-803 REV. 1