



iR Packaged Air Conditioners



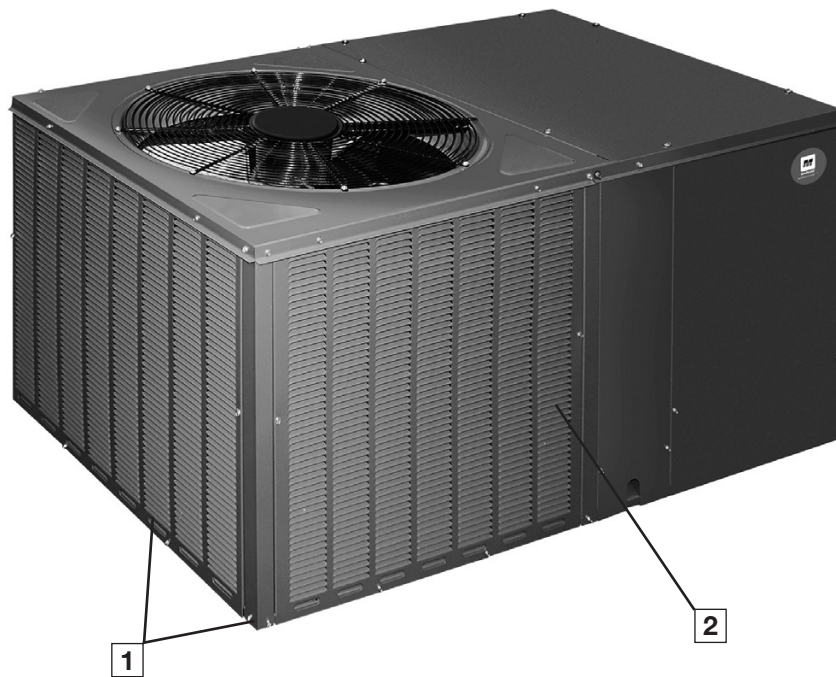
RACBZR

Cooling Efficiency: 13.4 SEER2
Nominal Sizes: 2-5 Tons [7-17.6 kW]



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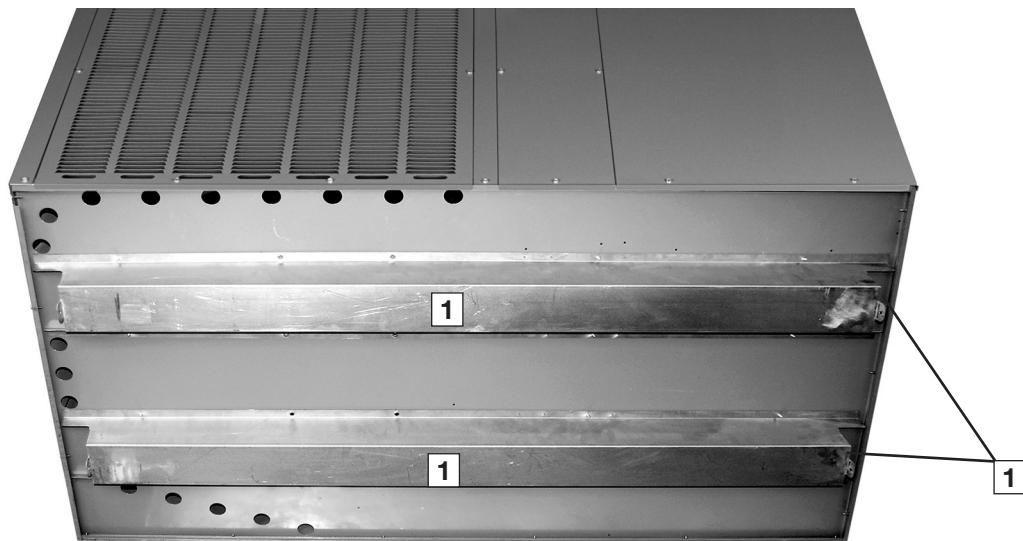
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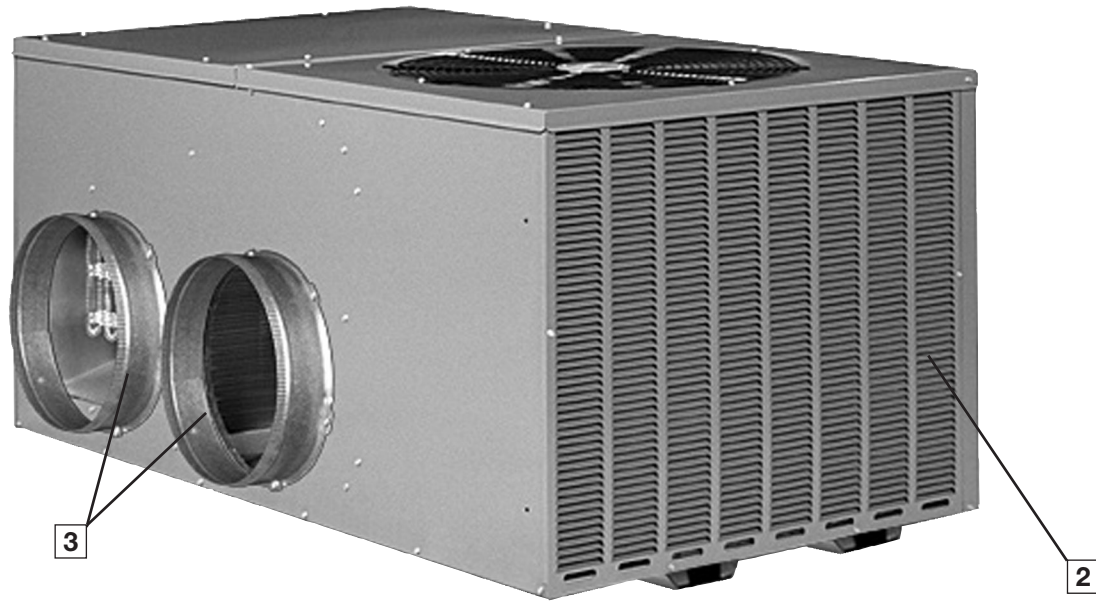


The RACB- series of Packaged Air Conditioners are designed to be the most efficient, quickest to install, easiest to service, and most reliable units in the industry — while still maintaining an affordable price. This platform provides you with a full line of nominal capacities from 2 through 5 tons utilizing earth-friendly R-410A refrigerant. This unit is suitable for use in mobile homes, manufactured housing and conventionally constructed residential and commercial buildings where horizontally-ducted systems are preferred. RACB models are 13.4 SEER2, each AHRI-certified.

As with all units offered by Mainline, we started our design process with input from the customer.

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

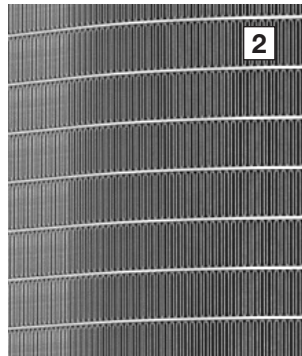




To provide flexibility in space-limited installations, the unit can be installed flush to the structure without blocking airflow over the outdoor coil or making any screws inaccessible for maintenance. Furthermore, the cabinet is a slim 33" wide.

MicroChannel Condenser Technology

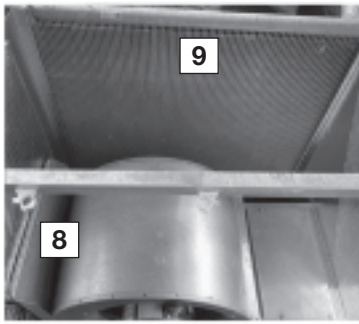
The outdoor coil uses the latest microchannel technology (2) for the most effective method of heat transfer. The outdoor coil is protected by louvered panels, which allow unobstructed airflow while protecting the unit from both the environment and vandalism.



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

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

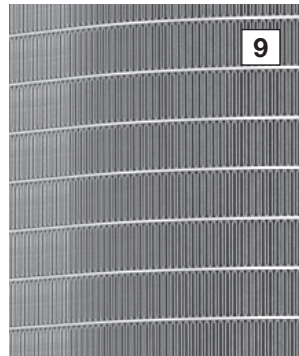




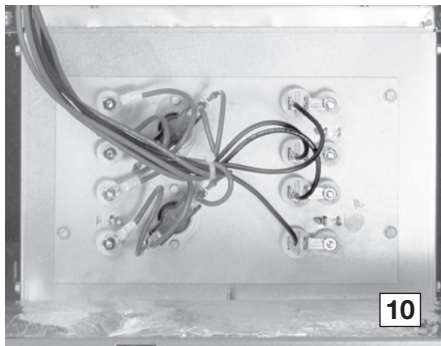
The indoor-section top cover also easily opens to access the removable blower housing and motor (8). This also gains total access to the indoor coil for cleaning and service (9).

MicroChannel Evaporator & TXV

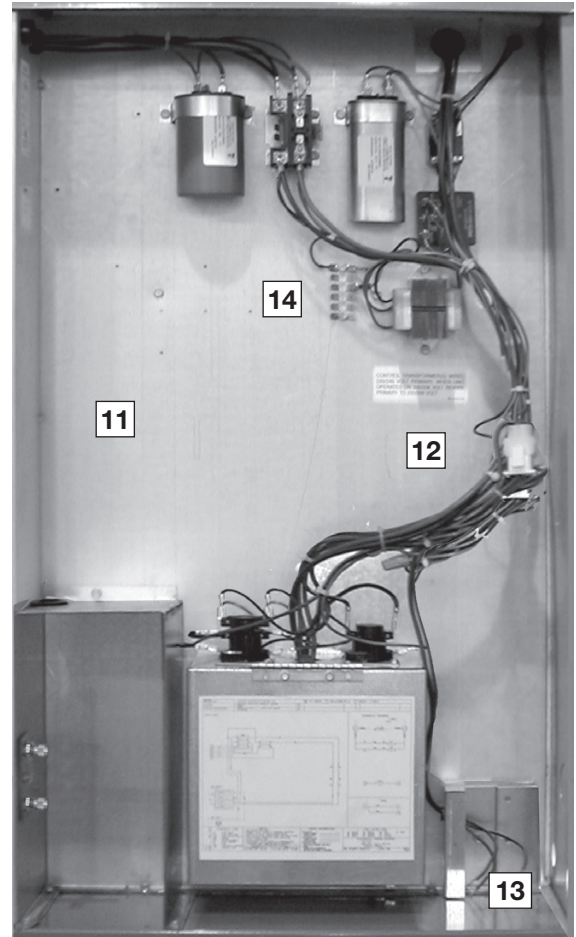
The evaporator (9) uses micro-channel technology for maximum heat transfer light weight, fewer manually brazed connections and reduced refrigerant charge. The TXV metering device maintains superheat over a wide range of varying temperatures optimizing unit performance for all conditions.



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

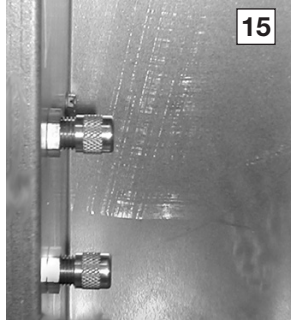


The controls are located in a large, easy-to-access control box (11), which provides plenty of space in which to troubleshoot. The transformer (12) is protected by an in-line fuse, which protects the transformer during a low-voltage electrical short. The low-voltage (13) and high-voltage (14) wiring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



RACBZR

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



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

A small side panel grants access to a removable, sloped drain pan (16), which helps to ensure indoor air quality (IAQ) through-out the life of the unit.

“Patent 7,430,877”



Air Conditioner

| <u>R</u> | <u>AC</u> | <u>B</u> | <u>Z</u> | <u>R</u> | <u>024</u> | <u>A</u> | <u>J</u> | <u>T</u> | <u>00</u> | <u>0</u> | <u>N</u> | <u>A</u> |
|--------------|--------------------|---|-------------|-------------------------------|--|----------------|---------------------|------------------------|--------------------------|-----------------------------|-----------------------|----------------|
| Brand | Product Category | Platform | Refrigerant | Tier | Capacity | Major Series | Voltage | Drive | Electric Heat | Electric Heat Configuration | Controls | Minor Series |
| R - Mainline | AC - Straight Cool | B - ResiPack Dedicated Horizontal | Z - R-410A | R - 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 | T - Constant Torque | 00 - No Electric Heat | 0 - No Electric Heat | N - Non-Communicating | A - 1st Design |

[] Designates Metric Conversions

| Available Models |
|-------------------|
| RACBZR024AJT000NA |
| RACBZR030AJT000NA |
| RACBZR036AJT000NA |
| RACBZR042AJT000NA |
| RACBZR048AJT000NA |
| RACBZR060AJT000NA |

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

| Model RACBZR- Series | 024AJT | 030AJT | 036AJT | 042AJT |
|---|-------------------------|-------------------------|-------------------------|-------------------------|
| Cooling Performance¹ | | | | CONTINUED → |
| Gross Cooling Capacity Btu [kW] | 24,000 [7.03] | 29,200 [8.56] | 36,600 [10.72] | 41,500 [12.16] |
| 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] | 800/800 [378/378] | 1000/1000 [472/472] | 1200/1200 [566/566] | 1400/1400 [661/661] |
| AHRI Net Cooling Capacity Btu [kW] | 23,000 [6.74] | 28,000 [8.2] | 35,200 [10.31] | 40,000 [11.72] |
| Net Sensible Capacity Btu [kW] | 15,500 [4.54] | 18,000 [5.27] | 25,200 [7.38] | 28,700 [8.41] |
| Net Latent Capacity Btu [kW] | 7,500 [2.2] | 10,000 [2.93] | 10,000 [2.93] | 11,300 [3.31] |
| Net System Power [kW] | 1.95 | 2.4 | 2.95 | 3.51 |
| Compressor | | | | |
| No./Type | 1/Scroll | 1/Scroll | 1/Scroll | 1/Scroll |
| Outdoor Sound Rating (dB)³ | 79 | 80 | 80 | 80 |
| Outdoor Coil—Fin Type | Louvered | Louvered | Louvered | Louvered |
| Tube Type | MicroChannel | MicroChannel | MicroChannel | MicroChannel |
| MicroChannel Depth in. [mm] | 0.472 [12] | 0.4724395 [12] | 0.4724395 [12] | 0.4724395 [12] |
| 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 / 20 [8] | 1 / 22 [9] | 1 / 22 [9] | 1 / 22 [9] |
| Indoor Coil—Fin Type | Louvered | Louvered | Louvered | Louvered |
| Tube Type | MicroChannel | MicroChannel | MicroChannel | MicroChannel |
| MicroChannel Depth in. [mm] | 0.787 [20] | 0.787399 [20] | 1 [25.4] | 1.25984 [32] |
| Face Area sq. ft. [sq. m] | 3.84 [0.36] | 3.84 [0.36] | 3.84 [0.36] | 3.75 [0.35] |
| Rows / FPI [FPcm] | 1 / 15 [6] | 1 / 15 [6] | 1 / 15 [6] | 1 / 13 [5] |
| Refrigerant Control | TX Valves | TX Valves | TX Valves | TX Valves |
| Drain Connection No./Size in. [mm] | 1/1 [25.4] | 1/1 [25.4] | 1/1 [25.4] | 1/1 [25.4] |
| Outdoor Fan—Type | Propeller | Propeller | Propeller | Propeller |
| No. Used/Diameter in. [mm] | 1/24 [609.6] | 1/24 [609.6] | 1/24 [609.6] | 1/24 [609.6] |
| Drive Type/No. Speeds | Direct/1 | Direct/1 | Direct/1 | Direct/1 |
| CFM [L/s] | 3400 [1604] | 3400 [1604] | 3400 [1604] | 3400 [1604] |
| No. Motors/HP | 1 at 1/3 HP | 1 at 1/3 HP | 1 at 1/3 HP | 1 at 1/3 HP |
| Motor RPM | 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] | 1/11x9 [279x229] |
| Drive Type | Direct | Direct | Direct | Direct |
| No. Speeds | Multiple | Multiple | Multiple | Multiple |
| No. Motors | 1 | 1 | 1 | 1 |
| Motor HP | 1/2 | 1/2 | 1/2 | 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)1x20x16 [25x508x406] | (1)1x20x20 [25x508x508] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g] | 50.72 [1438] | 48 [1361] | 53.44 [1515] | 80 [2268] |
| Weights | | | | |
| Net Weight lbs. [kg] | 277 [126] | 285 [129] | 285 [129] | 242 [110] |
| Ship Weight lbs. [kg] | 304 [138] | 312 [142] | 312 [142] | 269 [122] |

[] Designates Metric Conversions

NOTES:

- Cooling Performance is rated at 95°F ambient, 80°F entering dry bulb, 67°F entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI 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 ARI Standard 210/240 or 360.
- EER2 and/or SEER2 are rated at ARI conditions and in accordance with DOE test procedures for 1-Phase models. EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures for 3-Phase models.
- Outdoor Sound Rating shown is tested in accordance with ARI Standard 270.

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

| Model RACBZR- Series | 048AJT | 060AJT |
|---|-------------------------|-------------------------|
| Cooling Performance¹ | 036AJT | 042AJT |
| Gross Cooling Capacity Btu [kW] | 49,000 [14.36] | 60,000 [17.58] |
| EER2/SEER2 ² | 10.6/13.4 | 10.6/13.4 |
| Nominal CFM/AHRI Rated CFM [L/s] | 1600/1600 [755/755] | 2000/1900 [944/897] |
| AHRI Net Cooling Capacity Btu [kW] | 47,000 [13.77] | 57,000 [16.7] |
| Net Sensible Capacity Btu [kW] | 32,500 [9.52] | 40,100 [11.75] |
| Net Latent Capacity Btu [kW] | 14,500 [4.25] | 16,900 [4.95] |
| Net System Power [kW] | 3.9 | 4.89 |
| Compressor | | |
| No./Type | 1/Scroll | 1/Scroll |
| Outdoor Sound Rating (dB)³ | 75 | 78 |
| Outdoor Coil—Fin Type | Louvered | Louvered |
| Tube Type | MicroChannel | MicroChannel |
| MicroChannel Depth in. [mm] | 0.6299 [16] | 0.984 [25] |
| Face Area sq. ft. [sq. m] | 16.14 [1.5] | 16.19 [1.5] |
| Rows / FPI [FPcm] | 1 / 22 [9] | 1 / 22 [9] |
| Indoor Coil—Fin Type | Louvered | Louvered |
| Tube Type | MicroChannel | MicroChannel |
| MicroChannel Depth in. [mm] | 1 [25.4] | 1.25984 [32] |
| Face Area sq. ft. [sq. m] | 5.3 [0.49] | 5.3 [0.49] |
| Rows / FPI [FPcm] | 1 / 13 [5] | 1 / 13 [5] |
| Refrigerant Control | TX Valves | TX Valves |
| Drain Connection No./Size in. [mm] | 1/1 [25.4] | 1/1 [25.4] |
| Outdoor Fan—Type | Propeller | Propeller |
| No. Used/Diameter in. [mm] | 1/24 [609.6] | 1/24 [609.6] |
| Drive Type/No. Speeds | Direct/1 | Direct/1 |
| CFM [L/s] | 4200 [1982] | 4000 [1888] |
| No. Motors/HP | 1 at 1/3 HP | 1 at 1/3 HP |
| Motor RPM | 1075 | 1075 |
| Indoor Fan—Type | FC Centrifugal | FC Centrifugal |
| No. Used/Diameter in. [mm] | 1/11x9 [279x229] | 1/11x9 [279x229] |
| Drive Type | Direct | Direct |
| No. Speeds | Multiple | Multiple |
| No. Motors | 1 | 1 |
| Motor HP | 3/4 | 1 |
| Motor RPM | 1050 | 1075 |
| Motor Frame Size | 48 | 48 |
| Filter—Type | Field Supplied | Field Supplied |
| Furnished | No | No |
| (NO.) Size Recommended in. [mm x mm x mm] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g] | 64 [1814] | 91.04 [2581] |
| Weights | | |
| Net Weight lbs. [kg] | 357 [162] | 384 [174] |
| Ship Weight lbs. [kg] | 384 [174] | 411 [186] |

[] Designates Metric Conversions

NOTES:

- Cooling Performance is rated at 95°F ambient, 80°F entering dry bulb, 67°F entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI 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 ARI Standard 210/240 or 360.
- EER2 and/or SEER2 are rated at ARI conditions and in accordance with DOE test procedures for 1-Phase models. EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures for 3-Phase models.
- Outdoor Sound Rating shown is tested in accordance with ARI Standard 270.

GROSS SYSTEMS PERFORMANCE DATA – RACBZR024AJT000NA

| RACBZR024AJT000NA - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE | | | | | | | | | | | |
|---|--|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| wbE | | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| CFM [L/s] | | 925 [437] | 800 [378] | 675 [319] | 925 [437] | 800 [378] | 675 [319] | 925 [437] | 800 [378] | 675 [319] | |
| DR ① | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 | |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total BTUH [kW] Sens BTUH [kW] Power | 30.0 [8.8] 16.9 [5.0] 1.6 | 29.2 [8.6] 15.8 [4.6] 1.6 | 28.4 [8.3] 14.6 [4.3] 1.5 | 27.7 [8.1] 19.4 [5.7] 1.6 | 27.0 [7.9] 18.1 [5.3] 1.6 | 26.2 [7.7] 16.7 [4.9] 1.5 | 25.4 [7.4] 21.2 [6.2] 1.6 | 24.7 [7.2] 19.7 [5.8] 1.6 | 24.0 [7.0] 18.3 [5.4] 1.6 |
| | 80 [26.7] | Total BTUH [kW] Sens BTUH [kW] Power | 29.5 [8.6] 16.7 [4.9] 1.7 | 28.7 [8.4] 15.5 [4.5] 1.6 | 27.9 [8.2] 14.4 [4.2] 1.6 | 27.2 [8.0] 19.1 [5.6] 1.7 | 26.5 [7.8] 17.8 [5.2] 1.7 | 25.7 [7.5] 16.5 [4.8] 1.6 | 24.9 [7.3] 20.9 [6.1] 1.7 | 24.2 [7.1] 19.5 [5.7] 1.7 | 23.5 [6.9] 18.1 [5.3] 1.6 |
| | 85 [29.4] | Total BTUH [kW] Sens BTUH [kW] Power | 28.9 [8.5] 16.4 [4.8] 1.8 | 28.1 [8.2] 15.3 [4.5] 1.7 | 27.3 [8.0] 14.2 [4.2] 1.7 | 26.6 [7.8] 18.9 [5.5] 1.8 | 25.9 [7.6] 17.6 [5.2] 1.7 | 25.1 [7.4] 16.3 [4.8] 1.7 | 24.3 [7.1] 20.7 [6.1] 1.8 | 23.6 [6.9] 19.3 [5.7] 1.7 | 22.9 [6.7] 17.9 [5.2] 1.7 |
| | 90 [32.2] | Total BTUH [kW] Sens BTUH [kW] Power | 28.2 [8.3] 16.1 [4.7] 1.9 | 27.4 [8.0] 15.0 [4.4] 1.8 | 26.6 [7.8] 13.9 [4.1] 1.8 | 25.9 [7.6] 18.6 [5.5] 1.9 | 25.2 [7.4] 17.3 [5.1] 1.8 | 24.5 [7.2] 16.0 [4.7] 1.8 | 23.6 [6.9] 20.4 [6.0] 1.9 | 23.0 [6.7] 19.0 [5.6] 1.8 | 22.3 [6.5] 17.6 [5.2] 1.8 |
| | 95 [35] | Total BTUH [kW] Sens BTUH [kW] Power | 27.4 [8.0] 15.8 [4.6] 2.0 | 26.7 [7.8] 14.7 [4.3] 1.9 | 25.9 [7.6] 13.6 [4.0] 1.9 | 25.2 [7.4] 18.2 [5.3] 2.0 | 24.5 [7.2] 17.0 [5.0] 1.9 | 23.8 [7.0] 15.7 [4.6] 1.9 | 22.9 [6.7] 20.0 [5.9] 2.0 | 22.2 [6.5] 18.7 [5.5] 2.0 | 21.6 [6.3] 17.3 [5.1] 1.9 |
| | 100 [37.8] | Total BTUH [kW] Sens BTUH [kW] Power | 26.6 [7.8] 15.4 [4.5] 2.1 | 25.9 [7.6] 14.3 [4.2] 2.1 | 25.2 [7.4] 13.3 [3.9] 2.0 | 24.4 [7.2] 17.8 [5.2] 2.1 | 23.7 [6.9] 16.6 [4.9] 2.1 | 23.0 [6.7] 15.4 [4.5] 2.0 | 22.0 [6.4] 19.6 [5.7] 2.1 | 21.4 [6.3] 18.3 [5.4] 2.1 | 20.8 [6.1] 17.0 [5.0] 2.0 |
| | 105 [40.6] | Total BTUH [kW] Sens BTUH [kW] Power | 25.7 [7.5] 15.0 [4.4] 2.2 | 25.0 [7.3] 14.0 [4.1] 2.2 | 24.3 [7.1] 12.9 [3.8] 2.1 | 23.5 [6.9] 17.4 [5.1] 2.2 | 22.8 [6.7] 16.2 [4.7] 2.2 | 22.2 [6.5] 15.1 [4.4] 2.1 | 21.2 [6.2] 19.2 [5.6] 2.2 | 20.6 [6.0] 17.9 [5.2] 2.2 | 20.0 [5.9] 16.6 [4.9] 2.2 |
| | 110 [43.3] | Total BTUH [kW] Sens BTUH [kW] Power | 24.8 [7.3] 14.5 [4.2] 2.3 | 24.1 [7.1] 13.5 [4.0] 2.3 | 23.4 [6.9] 12.5 [3.7] 2.3 | 22.5 [6.6] 17.0 [5.0] 2.3 | 21.9 [6.4] 15.8 [4.6] 2.3 | 21.3 [6.2] 14.7 [4.3] 2.3 | 20.2 [5.9] 18.8 [5.5] 2.3 | 19.6 [5.7] 17.5 [5.1] 2.3 | 19.1 [5.6] 16.2 [4.7] 2.3 |
| | 115 [46.1] | Total BTUH [kW] Sens BTUH [kW] Power | 23.8 [7.0] 14.0 [4.1] 2.5 | 23.1 [6.8] 13.1 [3.8] 2.4 | 22.5 [6.6] 12.1 [3.5] 2.4 | 21.5 [6.3] 16.5 [4.8] 2.5 | 20.9 [6.1] 15.4 [4.5] 2.4 | 20.3 [5.9] 14.3 [4.2] 2.4 | 19.2 [5.6] 18.3 [5.4] 2.5 | 18.7 [5.5] 17.1 [5.0] 2.4 | 18.1 [5.3] 15.8 [4.6] 2.4 |
| | 120 [48.9] | Total BTUH [kW] Sens BTUH [kW] Power | 22.7 [6.7] 13.5 [4.0] 2.6 | 22.0 [6.4] 12.6 [3.7] 2.6 | 21.4 [6.3] 11.7 [3.4] 2.5 | 20.4 [6.0] 16 [4.7] 2.6 | 19.8 [5.8] 14.9 [4.4] 2.6 | 19.3 [5.7] 13.8 [4.0] 2.6 | 18.1 [5.3] 17.8 [5.2] 2.6 | 17.6 [5.2] 16.6 [4.9] 2.6 | 17.1 [5.0] 15.4 [4.5] 2.6 |
| 125 [51.7] | Total BTUH [kW] Sens BTUH [kW] Power | 21.5 [6.3] 13.0 [3.8] 2.8 | 20.9 [6.1] 12.1 [3.5] 2.7 | 20.3 [5.9] 11.2 [3.3] 2.7 | 19.2 [5.6] 15.4 [4.5] 2.8 | 18.7 [5.5] 14.4 [4.2] 2.7 | 18.2 [5.3] 13.3 [3.9] 2.7 | 16.9 [5.0] 16.9 [5.0] 2.8 | 16.5 [4.8] 16.1 [4.7] 2.7 | 16.0 [4.7] 14.9 [4.4] 2.7 | |

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

Total —Total capacity x 1000 BTUH
 Sens —Sensible capacity x 1000 BTUH
 Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA – RACBZR030AJT000NA

| RACBZR030AJT000NA - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE | | | | | | | | | | | |
|---|--|--|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| wbE | | | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | |
| CFM [L/s] | | | 1075 [507] | 1000 [472] | 775 [366] | 1075 [507] | 1000 [472] | 775 [366] | 1075 [507] | 1000 [472] | 775 [366] |
| DR ① | | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total BTUH [kW] Sens BTUH [kW] Power | 34.8 [10.2] 18.7 [5.5] 1.7 | 34.3 [10.1] 18.1 [5.3] 1.7 | 32.9 [9.6] 16.2 [4.7] 1.7 | 32.1 [9.4] 21.7 [6.4] 1.9 | 31.7 [9.3] 21.0 [6.2] 1.9 | 30.4 [8.9] 18.8 [5.5] 1.8 | 29.6 [8.7] 24.4 [7.2] 2.0 | 29.2 [8.6] 23.6 [6.9] 2.0 | 28.0 [8.2] 21.1 [6.2] 2.0 |
| | 80 [26.7] | Total BTUH [kW] Sens BTUH [kW] Power | 34.0 [10.0] 18.4 [5.4] 1.9 | 33.6 [9.8] 17.8 [5.2] 1.9 | 32.2 [9.4] 15.9 [4.7] 1.9 | 31.4 [9.2] 21.4 [6.3] 2.1 | 31.0 [9.1] 20.7 [6.1] 2.1 | 29.7 [8.7] 18.5 [5.4] 2.0 | 28.9 [8.5] 24.1 [7.1] 2.2 | 28.5 [8.4] 23.3 [6.8] 2.2 | 27.3 [8.0] 20.9 [6.1] 2.2 |
| | 85 [29.4] | Total BTUH [kW] Sens BTUH [kW] Power | 33.3 [9.8] 18.1 [5.3] 2.1 | 32.8 [9.6] 17.5 [5.1] 2.1 | 31.5 [9.2] 15.7 [4.6] 2.1 | 30.6 [9.0] 21.1 [6.2] 2.3 | 30.2 [8.9] 20.4 [6.0] 2.2 | 29.0 [8.5] 18.2 [5.3] 2.2 | 28.1 [8.2] 23.8 [7.0] 2.4 | 27.7 [8.1] 23.0 [6.7] 2.4 | 26.6 [7.8] 20.6 [6.0] 2.3 |
| | 90 [32.2] | Total BTUH [kW] Sens BTUH [kW] Power | 32.5 [9.5] 17.8 [5.2] 2.3 | 32.0 [9.4] 17.2 [5.0] 2.3 | 30.7 [9.0] 15.4 [4.5] 2.2 | 29.8 [8.7] 20.8 [6.1] 2.4 | 29.4 [8.6] 20.1 [5.9] 2.4 | 28.2 [8.3] 18.0 [5.3] 2.4 | 27.3 [8.0] 23.5 [6.9] 2.6 | 26.9 [7.9] 22.7 [6.7] 2.6 | 25.8 [7.6] 20.3 [5.9] 2.5 |
| | 95 [35] | Total BTUH [kW] Sens BTUH [kW] Power | 31.6 [9.3] 17.6 [5.2] 2.4 | 31.2 [9.1] 17.0 [5.0] 2.4 | 29.9 [8.8] 15.2 [4.5] 2.3 | 29.0 [8.5] 20.5 [6.0] 2.6 | 28.6 [8.4] 19.8 [5.8] 2.5 | 27.4 [8.0] 17.7 [5.2] 2.5 | 26.4 [7.7] 23.2 [6.8] 2.7 | 26.1 [7.6] 22.5 [6.6] 2.7 | 25.0 [7.3] 20.1 [5.9] 2.6 |
| | 100 [37.8] | Total BTUH [kW] Sens BTUH [kW] Power | 30.8 [9.0] 17.3 [5.1] 2.5 | 30.4 [8.9] 16.7 [4.9] 2.5 | 29.1 [8.5] 15.0 [4.4] 2.5 | 28.1 [8.2] 20.2 [5.9] 2.7 | 27.7 [8.1] 19.6 [5.7] 2.7 | 26.6 [7.8] 17.5 [5.1] 2.6 | 25.6 [7.5] 23.0 [6.7] 2.8 | 25.2 [7.4] 22.2 [6.5] 2.8 | 24.2 [7.1] 19.9 [5.8] 2.7 |
| | 105 [40.6] | Total BTUH [kW] Sens BTUH [kW] Power | 29.9 [8.8] 17.0 [5.0] 2.6 | 29.5 [8.6] 16.5 [4.8] 2.6 | 28.3 [8.3] 14.7 [4.3] 2.5 | 27.2 [8.0] 20.0 [5.9] 2.8 | 26.9 [7.9] 19.3 [5.7] 2.7 | 25.8 [7.6] 17.3 [5.1] 2.7 | 24.7 [7.2] 22.7 [6.7] 2.9 | 24.4 [7.2] 22.0 [6.4] 2.9 | 23.4 [6.9] 19.7 [5.8] 2.8 |
| | 110 [43.3] | Total BTUH [kW] Sens BTUH [kW] Power | 29.0 [8.5] 16.8 [4.9] 2.7 | 28.6 [8.4] 16.2 [4.7] 2.6 | 27.4 [8.0] 14.5 [4.2] 2.6 | 26.3 [7.7] 19.7 [5.8] 2.8 | 26.0 [7.6] 19.1 [5.6] 2.8 | 24.9 [7.3] 17.1 [5.0] 2.7 | 23.8 [7.0] 22.5 [6.6] 3.0 | 23.5 [6.9] 21.7 [6.4] 2.9 | 22.5 [6.6] 19.4 [5.7] 2.9 |
| | 115 [46.1] | Total BTUH [kW] Sens BTUH [kW] Power | 28.0 [8.2] 16.6 [4.9] 2.7 | 27.7 [8.1] 16.0 [4.7] 2.7 | 26.5 [7.8] 14.3 [4.2] 2.6 | 25.4 [7.4] 19.5 [5.7] 2.8 | 25.0 [7.3] 18.8 [5.5] 2.8 | 24.0 [7.0] 16.9 [5.0] 2.8 | 22.9 [6.7] 22.2 [6.5] 3.0 | 22.5 [6.6] 21.5 [6.3] 3.0 | 21.6 [6.3] 19.2 [5.6] 2.9 |
| | 120 [48.9] | Total BTUH [kW] Sens BTUH [kW] Power | 27.1 [7.9] 16.3 [4.8] 2.7 | 26.7 [7.8] 15.8 [4.6] 2.7 | 25.6 [7.5] 14.1 [4.1] 2.6 | 24.4 [7.2] 19.3 [5.7] 2.9 | 24.1 [7.1] 18.6 [5.5] 2.8 | 23.1 [6.8] 16.7 [4.9] 2.8 | 21.9 [6.4] 21.9 [6.4] 3.0 | 21.6 [6.3] 21.3 [6.2] 3.0 | 20.7 [6.1] 19.0 [5.6] 2.9 |
| 125 [51.7] | Total BTUH [kW] Sens BTUH [kW] Power | 26.1 [7.6] 16.1 [4.7] 2.7 | 25.7 [7.5] 15.6 [4.6] 2.7 | 24.7 [7.2] 13.9 [4.1] 2.6 | 23.4 [6.9] 19.1 [5.6] 2.8 | 23.1 [6.8] 18.4 [5.4] 2.8 | 22.2 [6.5] 16.5 [4.8] 2.8 | 20.9 [6.1] 20.9 [6.1] 3.0 | 20.6 [6.0] 20.6 [6.0] 3.0 | 19.8 [5.8] 18.9 [5.5] 2.9 | |

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

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA – RACBZR036AJT000NA

| RACBZR036AJT000NA - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE | | | | | | | | | | | |
|---|------------|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| wbE | | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| CFM [L/s] | | 1325 [625] | 1200 [566] | 950 [448] | 1325 [625] | 1200 [566] | 950 [448] | 1325 [625] | 1200 [566] | 950 [448] | |
| DR ① | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 | |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total BTUH [kW] Sens BTUH [kW] Power | 44.2 [13.0] 25.7 [7.5] 2.5 | 43.4 [12.7] 24.5 [7.2] 2.4 | 41.7 [12.2] 22.1 [6.5] 2.4 | 41.1 [12.0] 29.5 [8.6] 2.4 | 40.4 [11.8] 28.2 [8.3] 2.4 | 38.8 [11.4] 25.4 [7.4] 2.4 | 38.1 [11.2] 32.5 [9.5] 2.4 | 37.4 [11.0] 31.0 [9.1] 2.4 | 36.0 [10.6] 28.0 [8.2] 2.4 |
| | 80 [26.7] | Total BTUH [kW] Sens BTUH [kW] Power | 42.9 [12.6] 25.0 [7.3] 2.6 | 42.1 [12.3] 23.9 [7.0] 2.5 | 40.5 [11.9] 21.5 [6.3] 2.5 | 39.9 [11.7] 28.8 [8.4] 2.6 | 39.1 [11.5] 27.5 [8.1] 2.5 | 37.6 [11.0] 24.8 [7.3] 2.5 | 36.8 [10.8] 31.8 [9.3] 2.5 | 36.1 [10.6] 30.4 [8.9] 2.5 | 34.8 [10.2] 27.4 [8.0] 2.5 |
| | 85 [29.4] | Total BTUH [kW] Sens BTUH [kW] Power | 41.6 [12.2] 24.3 [7.1] 2.7 | 40.9 [12.0] 23.2 [6.8] 2.7 | 39.3 [11.5] 20.9 [6.1] 2.6 | 38.6 [11.3] 28.1 [8.2] 2.7 | 37.9 [11.1] 26.8 [7.9] 2.7 | 36.4 [10.7] 24.2 [7.1] 2.6 | 35.5 [10.4] 31.2 [9.1] 2.7 | 34.9 [10.2] 29.7 [8.7] 2.6 | 33.5 [9.8] 26.8 [7.9] 2.6 |
| | 90 [32.2] | Total BTUH [kW] Sens BTUH [kW] Power | 40.4 [11.8] 23.6 [6.9] 2.8 | 39.6 [11.6] 22.5 [6.6] 2.8 | 38.1 [11.2] 20.3 [5.9] 2.8 | 37.3 [10.9] 27.4 [8.0] 2.8 | 36.6 [10.7] 26.2 [7.7] 2.8 | 35.2 [10.3] 23.6 [6.9] 2.7 | 34.3 [10.1] 30.5 [8.9] 2.8 | 33.6 [9.8] 29.0 [8.5] 2.8 | 32.3 [9.5] 26.2 [7.7] 2.7 |
| | 95 [35] | Total BTUH [kW] Sens BTUH [kW] Power | 39.1 [11.5] 22.9 [6.7] 3.0 | 38.4 [11.3] 21.9 [6.4] 3.0 | 36.9 [10.8] 19.7 [5.8] 2.9 | 36 [10.6] 26.8 [7.9] 3.0 | 35.4 [10.4] 25.5 [7.5] 2.9 | 34.0 [10.0] 23.0 [6.7] 2.9 | 33.0 [9.7] 29.8 [8.7] 3.0 | 32.4 [9.5] 28.4 [8.3] 2.9 | 31.1 [9.1] 25.6 [7.5] 2.9 |
| | 100 [37.8] | Total BTUH [kW] Sens BTUH [kW] Power | 37.8 [11.1] 22.2 [6.5] 3.2 | 37.1 [10.9] 21.2 [6.2] 3.1 | 35.7 [10.5] 19.1 [5.6] 3.1 | 34.8 [10.2] 26.1 [7.6] 3.1 | 34.1 [10.0] 24.8 [7.3] 3.1 | 32.8 [9.6] 22.4 [6.6] 3.1 | 31.7 [9.3] 29.1 [8.5] 3.1 | 31.1 [9.1] 27.7 [8.1] 3.1 | 29.9 [8.8] 25.0 [7.3] 3.0 |
| | 105 [40.6] | Total BTUH [kW] Sens BTUH [kW] Power | 36.5 [10.7] 21.5 [6.3] 3.3 | 35.9 [10.5] 20.5 [6.0] 3.3 | 34.5 [10.1] 18.5 [5.4] 3.2 | 33.5 [9.8] 25.4 [7.4] 3.3 | 32.9 [9.6] 24.2 [7.1] 3.3 | 31.6 [9.3] 21.8 [6.4] 3.2 | 30.4 [8.9] 28.4 [8.3] 3.3 | 29.9 [8.8] 27.1 [7.9] 3.3 | 28.7 [8.4] 24.4 [7.2] 3.2 |
| | 110 [43.3] | Total BTUH [kW] Sens BTUH [kW] Power | 35.3 [10.3] 20.8 [6.1] 3.5 | 34.6 [10.1] 19.9 [5.8] 3.5 | 33.3 [9.8] 17.9 [5.2] 3.4 | 32.2 [9.4] 24.7 [7.2] 3.5 | 31.6 [9.3] 23.5 [6.9] 3.5 | 30.4 [8.9] 21.2 [6.2] 3.4 | 29.1 [8.5] 27.7 [8.1] 3.5 | 28.6 [8.4] 26.4 [7.7] 3.5 | 27.5 [8.1] 23.8 [7.0] 3.4 |
| | 115 [46.1] | Total BTUH [kW] Sens BTUH [kW] Power | 34.0 [10.0] 20.2 [5.9] 3.7 | 33.4 [9.8] 19.2 [5.6] 3.7 | 32.1 [9.4] 17.3 [5.1] 3.6 | 30.9 [9.1] 24.0 [7.0] 3.7 | 30.4 [8.9] 22.9 [6.7] 3.7 | 29.2 [8.6] 20.6 [6.0] 3.6 | 27.9 [8.2] 27.0 [7.9] 3.7 | 27.4 [8.0] 25.7 [7.5] 3.7 | 26.3 [7.7] 23.2 [6.8] 3.6 |
| | 120 [48.9] | Total BTUH [kW] Sens BTUH [kW] Power | 32.7 [9.6] 19.5 [5.7] 3.9 | 32.1 [9.4] 18.6 [5.5] 3.9 | 30.9 [9.1] 16.7 [4.9] 3.8 | 29.7 [8.7] 23.3 [6.8] 3.9 | 29.1 [8.5] 22.2 [6.5] 3.9 | 28.0 [8.2] 20.0 [5.9] 3.8 | 26.6 [7.8] 26.3 [7.7] 3.9 | 26.1 [7.6] 25.1 [7.4] 3.9 | 25.1 [7.4] 22.6 [6.6] 3.8 |
| | 125 [51.7] | Total BTUH [kW] Sens BTUH [kW] Power | 31.4 [9.2] 18.8 [5.5] 4.1 | 30.8 [9.0] 17.9 [5.2] 4.1 | 29.7 [8.7] 16.1 [4.7] 4.0 | 28.4 [8.3] 22.6 [6.6] 4.1 | 27.8 [8.1] 21.5 [6.3] 4.1 | 26.8 [7.9] 19.4 [5.7] 4.0 | 25.3 [7.4] 25.3 [7.4] 4.1 | 24.8 [7.3] 24.4 [7.2] 4.1 | 23.9 [7.0] 22.0 [6.4] 4.0 |

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

Total —Total capacity x 1000 BTUH
 Sens —Sensible capacity x 1000 BTUH
 Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA – RACBZR042AJT000NA

| RACBZR042AJT000NA - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE | | | | | | | | | | | |
|---|------------|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|
| wbE | | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| CFM [L/s] | | 1500 [708] | 1400 [661] | 1100 [519] | 1500 [708] | 1400 [661] | 1100 [519] | 1500 [708] | 1400 [661] | 1100 [519] | |
| DR ① | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 | |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total BTUH [kW] Sens BTUH [kW] Power | 49.4 [14.5] 27.9 [8.2] 2.9 | 48.7 [14.3] 27.0 [7.9] 2.9 | 46.8 [13.7] 24.3 [7.1] 2.9 | 46.2 [13.5] 32.7 [9.6] 2.9 | 45.6 [13.4] 31.7 [9.3] 2.9 | 43.9 [12.9] 28.5 [8.4] 2.8 | 43.3 [12.7] 37.4 [11.0] 2.9 | 42.7 [12.5] 36.2 [10.6] 2.9 | 41.1 [12.0] 32.6 [9.6] 2.8 |
| | 80 [26.7] | Total BTUH [kW] Sens BTUH [kW] Power | 48.0 [14.1] 27.1 [7.9] 3.1 | 47.4 [13.9] 26.2 [7.7] 3.0 | 45.6 [13.4] 23.6 [6.9] 3.0 | 44.9 [13.2] 31.9 [9.3] 3.0 | 44.3 [13.0] 30.9 [9.1] 3.0 | 42.6 [12.5] 27.8 [8.1] 3.0 | 42.0 [12.3] 36.6 [10.7] 3.0 | 41.4 [12.1] 35.4 [10.4] 3.0 | 39.8 [11.7] 31.9 [9.3] 3.0 |
| | 85 [29.4] | Total BTUH [kW] Sens BTUH [kW] Power | 46.7 [13.7] 26.3 [7.7] 3.2 | 46.1 [13.5] 25.5 [7.5] 3.2 | 44.3 [13.0] 22.9 [6.7] 3.1 | 43.5 [12.7] 31.2 [9.1] 3.2 | 43.0 [12.6] 30.1 [8.8] 3.2 | 41.3 [12.1] 27.1 [7.9] 3.1 | 40.6 [11.9] 35.8 [10.5] 3.2 | 40.1 [11.8] 34.6 [10.1] 3.2 | 38.5 [11.3] 31.2 [9.1] 3.1 |
| | 90 [32.2] | Total BTUH [kW] Sens BTUH [kW] Power | 45.3 [13.3] 25.5 [7.5] 3.4 | 44.7 [13.1] 24.7 [7.2] 3.4 | 43.0 [12.6] 22.2 [6.5] 3.3 | 42.1 [12.3] 30.4 [8.9] 3.4 | 41.6 [12.2] 29.4 [8.6] 3.3 | 40.0 [11.7] 26.5 [7.8] 3.3 | 39.2 [11.5] 35.0 [10.3] 3.3 | 38.7 [11.3] 33.9 [9.9] 3.3 | 37.2 [10.9] 30.5 [8.9] 3.3 |
| | 95 [35] | Total BTUH [kW] Sens BTUH [kW] Power | 43.9 [12.9] 24.7 [7.2] 3.6 | 43.3 [12.7] 23.9 [7.0] 3.5 | 41.6 [12.2] 21.6 [6.3] 3.5 | 40.7 [11.9] 29.6 [8.7] 3.5 | 40.2 [11.8] 28.6 [8.4] 3.5 | 38.6 [11.3] 25.8 [7.6] 3.5 | 37.8 [11.1] 34.2 [10.0] 3.5 | 37.3 [10.9] 33.1 [9.7] 3.5 | 35.9 [10.5] 29.8 [8.7] 3.4 |
| | 100 [37.8] | Total BTUH [kW] Sens BTUH [kW] Power | 42.4 [12.4] 24.0 [7.0] 3.8 | 41.9 [12.3] 23.2 [6.8] 3.7 | 40.2 [11.8] 20.9 [6.1] 3.7 | 39.3 [11.5] 28.8 [8.4] 3.7 | 38.8 [11.4] 27.9 [8.2] 3.7 | 37.3 [10.9] 25.1 [7.4] 3.6 | 36.4 [10.7] 33.4 [9.8] 3.7 | 35.9 [10.5] 32.4 [9.5] 3.7 | 34.5 [10.1] 29.1 [8.5] 3.6 |
| | 105 [40.6] | Total BTUH [kW] Sens BTUH [kW] Power | 41.0 [12.0] 23.2 [6.8] 3.9 | 40.4 [11.8] 22.5 [6.6] 3.9 | 38.9 [11.4] 20.2 [5.9] 3.9 | 37.8 [11.1] 28.1 [8.2] 3.9 | 37.3 [10.9] 27.2 [8.0] 3.9 | 35.9 [10.5] 24.4 [7.2] 3.8 | 34.9 [10.2] 32.7 [9.6] 3.9 | 34.4 [10.1] 31.6 [9.3] 3.9 | 33.1 [9.7] 28.5 [8.4] 3.8 |
| | 110 [43.3] | Total BTUH [kW] Sens BTUH [kW] Power | 39.5 [11.6] 22.5 [6.6] 4.2 | 39.0 [11.4] 21.7 [6.4] 4.1 | 37.4 [11.0] 19.6 [5.7] 4.1 | 36.3 [10.6] 27.3 [8.0] 4.1 | 35.9 [10.5] 26.4 [7.7] 4.1 | 34.5 [10.1] 23.8 [7.0] 4.0 | 33.4 [9.8] 31.9 [9.3] 4.1 | 33.0 [9.7] 30.9 [9.1] 4.1 | 31.7 [9.3] 27.8 [8.1] 4.0 |
| | 115 [46.1] | Total BTUH [kW] Sens BTUH [kW] Power | 37.9 [11.1] 21.7 [6.4] 4.4 | 37.4 [11] 21.0 [6.2] 4.3 | 36.0 [10.6] 18.9 [5.5] 4.3 | 34.8 [10.2] 26.6 [7.8] 4.4 | 34.3 [10.1] 25.7 [7.5] 4.3 | 33.0 [9.7] 23.1 [6.8] 4.2 | 31.9 [9.3] 31.2 [9.1] 4.3 | 31.5 [9.2] 30.2 [8.9] 4.3 | 30.2 [8.9] 27.2 [8.0] 4.2 |
| | 120 [48.9] | Total BTUH [kW] Sens BTUH [kW] Power | 36.4 [10.7] 21.0 [6.2] 4.6 | 35.9 [10.5] 20.3 [5.9] 4.6 | 34.5 [10.1] 18.3 [5.4] 4.5 | 33.2 [9.7] 25.8 [7.6] 4.6 | 32.8 [9.6] 25.0 [7.3] 4.6 | 31.5 [9.2] 22.5 [6.6] 4.5 | 30.3 [8.9] 30.3 [8.9] 4.6 | 29.9 [8.8] 29.5 [8.6] 4.5 | 28.8 [8.4] 26.5 [7.8] 4.4 |
| | 125 [51.7] | Total BTUH [kW] Sens BTUH [kW] Power | 34.8 [10.2] 20.3 [5.9] 4.8 | 34.4 [10.1] 19.6 [5.7] 4.8 | 33.0 [9.7] 17.6 [5.2] 4.7 | 31.7 [9.3] 25.1 [7.4] 4.8 | 31.3 [9.2] 24.3 [7.1] 4.8 | 30.0 [8.8] 21.9 [6.4] 4.7 | 28.7 [8.4] 28.7 [8.4] 4.8 | 28.4 [8.3] 28.4 [8.3] 4.8 | 27.3 [8.0] 25.9 [7.6] 4.7 |

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

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA – RACBZR048AJT000NA

| RACBZR048AJT000NA - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE | | | | | | | | | | | |
|---|------------|--|-----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| wbE | | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| CFM [L/s] | | 1775 [838] | 1600 [755] | 1275 [602] | 1775 [838] | 1600 [755] | 1275 [602] | 1775 [838] | 1600 [755] | 1275 [602] | |
| DR ① | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 | |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total BTUH [kW] Sens BTUH [kW] Power | 58.1 [17.0] 33.6 [9.8] 3.2 | 57.0 [16.7] 32.0 [9.4] 3.2 | 54.9 [16.1] 29.0 [8.5] 3.2 | 54.7 [16.0] 38.4 [11.3] 3.2 | 53.6 [15.7] 36.5 [10.7] 3.2 | 51.6 [15.1] 33.1 [9.7] 3.1 | 51.1 [15.0] 43.3 [12.7] 3.2 | 50.1 [14.7] 41.2 [12.1] 3.2 | 48.2 [14.1] 37.3 [10.9] 3.1 |
| | 80 [26.7] | Total BTUH [kW] Sens BTUH [kW] Power | 56.6 [16.6] 31.9 [9.3] 3.4 | 55.5 [16.3] 30.3 [8.9] 3.4 | 53.4 [15.7] 27.5 [8.1] 3.3 | 53.1 [15.6] 36.7 [10.8] 3.4 | 52.1 [15.3] 34.9 [10.2] 3.4 | 50.2 [14.7] 31.6 [9.3] 3.3 | 49.5 [14.5] 41.6 [12.2] 3.4 | 48.6 [14.2] 39.5 [11.6] 3.3 | 46.8 [13.7] 35.8 [10.5] 3.3 |
| | 85 [29.4] | Total BTUH [kW] Sens BTUH [kW] Power | 55.0 [16.1] 30.6 [9.0] 3.6 | 54.0 [15.8] 29.1 [8.5] 3.5 | 52.0 [15.2] 26.3 [7.7] 3.5 | 51.6 [15.1] 35.3 [10.3] 3.6 | 50.6 [14.8] 33.6 [9.8] 3.5 | 48.7 [14.3] 30.4 [8.9] 3.5 | 48.0 [14.1] 40.2 [11.8] 3.5 | 47.1 [13.8] 38.3 [11.2] 3.5 | 45.3 [13.3] 34.7 [10.2] 3.4 |
| | 90 [32.2] | Total BTUH [kW] Sens BTUH [kW] Power | 53.5 [15.7] 29.6 [8.7] 3.8 | 52.4 [15.4] 28.2 [8.3] 3.7 | 50.5 [14.8] 25.5 [7.5] 3.6 | 50.0 [14.7] 34.4 [10.1] 3.7 | 49.1 [14.4] 32.7 [9.6] 3.7 | 47.2 [13.8] 29.6 [8.7] 3.6 | 46.4 [13.6] 39.3 [11.5] 3.7 | 45.5 [13.3] 37.4 [11.0] 3.7 | 43.8 [12.8] 33.9 [9.9] 3.6 |
| | 95 [35] | Total BTUH [kW] Sens BTUH [kW] Power | 51.9 [15.2] 29.1 [8.5] 3.9 | 50.8 [14.9] 27.7 [8.1] 3.9 | 49.0 [14.4] 25.1 [7.4] 3.8 | 48.4 [14.2] 33.9 [9.9] 3.9 | 47.5 [13.9] 32.2 [9.4] 3.9 | 45.7 [13.4] 29.2 [8.6] 3.8 | 44.8 [13.1] 38.8 [11.4] 3.9 | 43.9 [12.9] 36.9 [10.8] 3.9 | 42.3 [12.4] 33.4 [9.8] 3.8 |
| | 100 [37.8] | Total BTUH [kW] Sens BTUH [kW] Power | 50.2 [14.7] 29.0 [8.5] 4.1 | 49.2 [14.4] 27.6 [8.1] 4.1 | 47.4 [13.9] 24.9 [7.3] 4.0 | 46.8 [13.7] 33.7 [9.9] 4.1 | 45.9 [13.5] 32.1 [9.4] 4.1 | 44.2 [13.0] 29.0 [8.5] 4.0 | 43.2 [12.7] 38.6 [11.3] 4.1 | 42.3 [12.4] 36.7 [10.8] 4.1 | 40.8 [12.0] 33.3 [9.8] 4.0 |
| | 105 [40.6] | Total BTUH [kW] Sens BTUH [kW] Power | 48.6 [14.2] 29.2 [8.6] 4.4 | 47.6 [14.0] 27.8 [8.1] 4.3 | 45.9 [13.5] 25.2 [7.4] 4.2 | 45.1 [13.2] 34.0 [10.0] 4.4 | 44.3 [13.0] 32.3 [9.5] 4.3 | 42.6 [12.5] 29.3 [8.6] 4.2 | 41.5 [12.2] 38.9 [11.4] 4.3 | 40.7 [11.9] 37.0 [10.8] 4.3 | 39.2 [11.5] 33.5 [9.8] 4.2 |
| | 110 [43.3] | Total BTUH [kW] Sens BTUH [kW] Power | 46.9 [13.7] 29.9 [8.8] 4.6 | 46.0 [13.5] 28.4 [8.3] 4.5 | 44.3 [13.0] 25.7 [7.5] 4.5 | 43.5 [12.7] 34.6 [10.1] 4.6 | 42.6 [12.5] 32.9 [9.6] 4.5 | 41.0 [12.0] 29.8 [8.7] 4.5 | 39.9 [11.7] 39.5 [11.6] 4.6 | 39.1 [11.5] 37.6 [11.0] 4.5 | 37.6 [11.0] 34.0 [10.0] 4.4 |
| | 115 [46.1] | Total BTUH [kW] Sens BTUH [kW] Power | 45.2 [13.2] 30.9 [9.1] 4.8 | 44.3 [13.0] 29.4 [8.6] 4.8 | 42.7 [12.5] 26.6 [7.8] 4.7 | 41.8 [12.3] 35.7 [10.5] 4.8 | 40.9 [12.0] 33.9 [9.9] 4.8 | 39.4 [11.5] 30.7 [9.0] 4.7 | 38.1 [11.2] 38.1 [11.2] 4.8 | 37.4 [11.0] 37.4 [11.0] 4.8 | 36.0 [10.6] 34.9 [10.2] 4.7 |
| | 120 [48.9] | Total BTUH [kW] Sens BTUH [kW] Power | 43.4 [12.7] 32.3 [9.5] 5.1 | 42.6 [12.5] 30.7 [9.0] 5.0 | 41.0 [12.0] 27.8 [8.1] 4.9 | 40.0 [11.7] 37.1 [10.9] 5.1 | 39.2 [11.5] 35.3 [10.3] 5.0 | 37.8 [11.1] 31.9 [9.3] 4.9 | 36.4 [10.7] 36.4 [10.7] 5.1 | 35.7 [10.5] 35.7 [10.5] 5.0 | 34.4 [10.1] 34.4 [10.1] 4.9 |
| | 125 [51.7] | Total BTUH [kW] Sens BTUH [kW] Power | 41.7 [12.2] 34.1 [10.0] 5.3 | 40.9 [12.0] 32.5 [9.5] 5.3 | 39.4 [11.5] 29.4 [8.6] 5.2 | 38.2 [11.2] 38.2 [11.2] 5.3 | 37.5 [11.0] 37.0 [10.8] 5.3 | 36.1 [10.6] 33.5 [9.8] 5.2 | 34.6 [10.1] 34.6 [10.1] 5.3 | 34.0 [10.0] 34.0 [10.0] 5.3 | 32.7 [9.6] 32.7 [9.6] 5.2 |

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

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA – RACBZR060AJT000NA

| RACBZR060AJT000NA - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE | | | | | | | | | | | |
|---|------------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| wbE | | | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | |
| CFM [L/s] | | | 2125 [1003] | 1900 [897] | 1550 [732] | 2125 [1003] | 1900 [897] | 1550 [732] | 2125 [1003] | 1900 [897] | 1550 [732] |
| DR ① | | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total BTUH [kW] Sens BTUH [kW] Power | 69.8 [20.5] 39.4 [11.5] 4.1 | 68.4 [20.0] 37.4 [11.0] 4.1 | 66.1 [19.4] 34.2 [10.0] 4.0 | 64.8 [19.0] 45.6 [13.4] 4.1 | 63.4 [18.6] 43.2 [12.7] 4.1 | 61.3 [18.0] 39.5 [11.6] 4.0 | 60.1 [17.6] 50.7 [14.9] 4.1 | 58.8 [17.2] 48.1 [14.1] 4.0 | 56.9 [16.7] 43.9 [12.9] 4.0 |
| | 80 [26.7] | Total BTUH [kW] Sens BTUH [kW] Power | 68.3 [20.0] 38.6 [11.3] 4.3 | 66.9 [19.6] 36.6 [10.7] 4.3 | 64.6 [18.9] 33.5 [9.8] 4.2 | 63.3 [18.6] 44.8 [13.1] 4.3 | 61.9 [18.1] 42.5 [12.5] 4.2 | 59.9 [17.6] 38.8 [11.4] 4.2 | 58.6 [17.2] 49.9 [14.6] 4.3 | 57.3 [16.8] 47.3 [13.9] 4.2 | 55.4 [16.2] 43.2 [12.7] 4.2 |
| | 85 [29.4] | Total BTUH [kW] Sens BTUH [kW] Power | 66.7 [19.5] 37.8 [11.1] 4.5 | 65.3 [19.1] 35.8 [10.5] 4.5 | 63.1 [18.5] 32.7 [9.6] 4.4 | 61.6 [18.1] 44.0 [12.9] 4.5 | 60.3 [17.7] 41.7 [12.2] 4.5 | 58.3 [17.1] 38.1 [11.2] 4.4 | 56.9 [16.7] 49.1 [14.4] 4.5 | 55.7 [16.3] 46.5 [13.6] 4.4 | 53.9 [15.8] 42.5 [12.5] 4.4 |
| | 90 [32.2] | Total BTUH [kW] Sens BTUH [kW] Power | 65.0 [19.1] 36.8 [10.8] 4.7 | 63.6 [18.6] 34.9 [10.2] 4.7 | 61.5 [18.0] 31.9 [9.3] 4.6 | 59.9 [17.6] 43.0 [12.6] 4.7 | 58.6 [17.2] 40.8 [12.0] 4.7 | 56.7 [16.6] 37.3 [10.9] 4.6 | 55.2 [16.2] 48.1 [14.1] 4.7 | 54.0 [15.8] 45.6 [13.4] 4.6 | 52.2 [15.3] 41.7 [12.2] 4.6 |
| | 95 [35] | Total BTUH [kW] Sens BTUH [kW] Power | 63.1 [18.5] 35.9 [10.5] 5.0 | 61.8 [18.1] 34.0 [10.0] 4.9 | 59.7 [17.5] 31.1 [9.1] 4.8 | 58.0 [17.0] 42.0 [12.3] 4.9 | 56.8 [16.6] 39.8 [11.7] 4.9 | 54.9 [16.1] 36.4 [10.7] 4.8 | 53.4 [15.7] 47.1 [13.8] 4.9 | 52.2 [15.3] 44.7 [13.1] 4.9 | 50.5 [14.8] 40.8 [12.0] 4.8 |
| | 100 [37.8] | Total BTUH [kW] Sens BTUH [kW] Power | 61.1 [17.9] 34.8 [10.2] 5.2 | 59.9 [17.6] 33.0 [9.7] 5.2 | 57.9 [17.0] 30.2 [8.9] 5.1 | 56.1 [16.4] 41.0 [12.0] 5.2 | 54.9 [16.1] 38.9 [11.4] 5.1 | 53.1 [15.6] 35.5 [10.4] 5.0 | 51.4 [15.1] 46.1 [13.5] 5.2 | 50.3 [14.7] 43.7 [12.8] 5.1 | 48.6 [14.2] 39.9 [11.7] 5.0 |
| | 105 [40.6] | Total BTUH [kW] Sens BTUH [kW] Power | 59.1 [17.3] 33.7 [9.9] 5.5 | 57.8 [16.9] 31.9 [9.3] 5.4 | 55.9 [16.4] 29.2 [8.6] 5.3 | 54.0 [15.8] 39.9 [11.7] 5.4 | 52.9 [15.5] 37.8 [11.1] 5.4 | 51.1 [15.0] 34.6 [10.1] 5.3 | 49.3 [14.4] 45.0 [13.2] 5.4 | 48.3 [14.2] 42.6 [12.5] 5.3 | 46.7 [13.7] 39.0 [11.4] 5.3 |
| | 110 [43.3] | Total BTUH [kW] Sens BTUH [kW] Power | 56.9 [16.7] 32.6 [9.6] 5.7 | 55.7 [16.3] 30.9 [9.1] 5.7 | 53.8 [15.8] 28.2 [8.3] 5.6 | 51.8 [15.2] 38.8 [11.4] 5.7 | 50.8 [14.9] 36.7 [10.8] 5.6 | 49.1 [14.4] 33.6 [9.8] 5.5 | 47.2 [13.8] 43.8 [12.8] 5.7 | 46.2 [13.5] 41.5 [12.2] 5.6 | 44.6 [13.1] 38.0 [11.1] 5.5 |
| | 115 [46.1] | Total BTUH [kW] Sens BTUH [kW] Power | 54.6 [16.0] 31.3 [9.2] 6.0 | 53.5 [15.7] 29.7 [8.7] 5.9 | 51.7 [15.2] 27.1 [7.9] 5.8 | 49.6 [14.5] 37.5 [11.0] 6.0 | 48.5 [14.2] 35.6 [10.4] 5.9 | 46.9 [13.7] 32.5 [9.5] 5.8 | 44.9 [13.2] 42.6 [12.5] 5.9 | 43.9 [12.9] 40.4 [11.8] 5.9 | 42.5 [12.5] 36.9 [10.8] 5.8 |
| | 120 [48.9] | Total BTUH [kW] Sens BTUH [kW] Power | 52.2 [15.3] 30.1 [8.8] 6.3 | 51.1 [15.0] 28.5 [8.4] 6.2 | 49.4 [14.5] 26.0 [7.6] 6.1 | 47.2 [13.8] 36.3 [10.6] 6.3 | 46.2 [13.5] 34.4 [10.1] 6.2 | 44.6 [13.1] 31.4 [9.2] 6.1 | 42.5 [12.5] 41.4 [12.1] 6.2 | 41.6 [12.2] 39.2 [11.5] 6.2 | 40.2 [11.8] 35.8 [10.5] 6.1 |
| | 125 [51.7] | Total BTUH [kW] Sens BTUH [kW] Power | 49.7 [14.6] 28.7 [8.4] 6.6 | 48.7 [14.3] 27.2 [8.0] 6.5 | 47.0 [13.8] 24.9 [7.3] 6.4 | 44.7 [13.1] 34.9 [10.2] 6.6 | 43.7 [12.8] 33.1 [9.7] 6.5 | 42.3 [12.4] 30.2 [8.9] 6.4 | 40.0 [11.7] 40.0 [11.7] 6.5 | 39.1 [11.5] 37.9 [11.1] 6.5 | 37.8 [11.1] 34.7 [10.2] 6.4 |

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

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES:①When 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 RACBZR – 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 [0.02] | 0.2 [0.05] | 0.3 [0.07] | 0.4 [0.10] | 0.5 [0.12] | 0.6 [0.15] | 0.7 [0.17] | 0.8 [0.20] | 0.9 [0.22] | 1.0 [0.25] | |
| 2.0 [7.03] | Tap 2 | Tap 1 | 700 CFM / 950 CFM | 10X9 Blower 1/2 HP [372] 3 Speed (Constant Torque) | Tap 1 Low | 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 | 166 | | | | |
| 2.5 [7.79] | Tap 2 | Tap 1 | 1000 CFM / 1400 CFM | 12x9T Blower 1/2 HP [372] 3 Speed (Constant Torque) | Tap 1 Low | CFM | 1364 | 1091 | 1036 | 984 | 896 | 813 | 782 | 727 | 675 | 603 |
| | | | | | | RPM | 576 | 590 | 650 | 709 | 794 | 856 | 895 | 939 | 1017 | 1068 |
| | Watts | 164 | 122 | 131 | 141 | 155 | 165 | 173 | 179 | 193 | 201 | 201 | | | | |
| 3.0 [10.55] | Tap 2 | Tap 1 | 1000 CFM / 1400 CFM | 12x9T Blower 1/2 HP [372] 3 Speed (Constant Torque) | Tap 1 Low | 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 | 219 | | | | |
| 3.5 [12.31] | Tap 2 | Tap 1 | 1200 CFM / 1600 CFM | 12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque) | Tap 1 Low | CFM | 1394 | 1273 | 1222 | 1183 | 1141 | 1083 | 1027 | 910 | 884 | 851 |
| | | | | | | RPM | 586 | 624 | 687 | 736 | 791 | 845 | 910 | 998 | 1026 | 1068 |
| | Watts | 174 | 165 | 176 | 188 | 199 | 210 | 224 | 244 | 249 | 259 | 259 | | | | |
| 3.0 [10.55] | Tap 2 | Tap 1 | 1000 CFM / 1400 CFM | 12x9T Blower 1/2 HP [372] 3 Speed (Constant Torque) | Tap 1 Low | 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 | 284 | | | | |
| 3.5 [12.31] | Tap 2 | Tap 1 | 1200 CFM / 1600 CFM | 12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque) | Tap 1 Low | CFM | 1519 | 1480 | 1438 | 1398 | 1362 | 1319 | 1266 | 1226 | 1153 | 1058 |
| | | | | | | RPM | 668 | 719 | 763 | 811 | 859 | 908 | 964 | 1009 | 1076 | 1120 |
| | Watts | 240 | 254 | 266 | 280 | 293 | 307 | 321 | 336 | 355 | 358 | 358 | | | | |
| 3.5 [12.31] | Tap 2 | Tap 1 | 1200 CFM / 1600 CFM | 12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque) | Tap 1 Low | 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 | 362 | | | | |
| 3.5 [12.31] | Tap 2 | Tap 1 | 1200 CFM / 1600 CFM | 12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque) | Tap 1 Low | CFM | 1760 | 1713 | 1667 | 1619 | 1584 | 1550 | 1507 | 1465 | 1426 | 1379 |
| | | | | | | RPM | 645 | 683 | 723 | 762 | 799 | 837 | 875 | 917 | 957 | 999 |
| | Watts | 311 | 325 | 341 | 355 | 371 | 386 | 402 | 418 | 434 | 451 | 451 | | | | |

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

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACBZR — 208/230 VOLTS (Con't.)

| 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 | 1350 CFM / 1850 CFM | 12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque) | Tap 1 Low | 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 |
| 5.0 [17.59] | Tap 2 | Tap 1 | 1600 CFM / 2100 CFM | 12x9R Blower 1 HP [746] 5 Speed (Constant Torque) | Tap 1 Low | 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 | 1600 CFM / 2100 CFM | 12x9R Blower 1 HP [746] 5 Speed (Constant Torque) | Tap 2 High | 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 |
| 5.0 [17.59] | Tap 2 | Tap 1 | 1600 CFM / 2100 CFM | 12x9R Blower 1 HP [746] 5 Speed (Constant Torque) | 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) For Constant Torque Motors: Use motor taps 3-5 to achieve rated airflow at AHRI minimum external static pressure.

| DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE) | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|
| CFM [L/s] | 800 [378] | 1000 [472] | 1200 [566] | 1400 [661] | 1600 [755] | 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

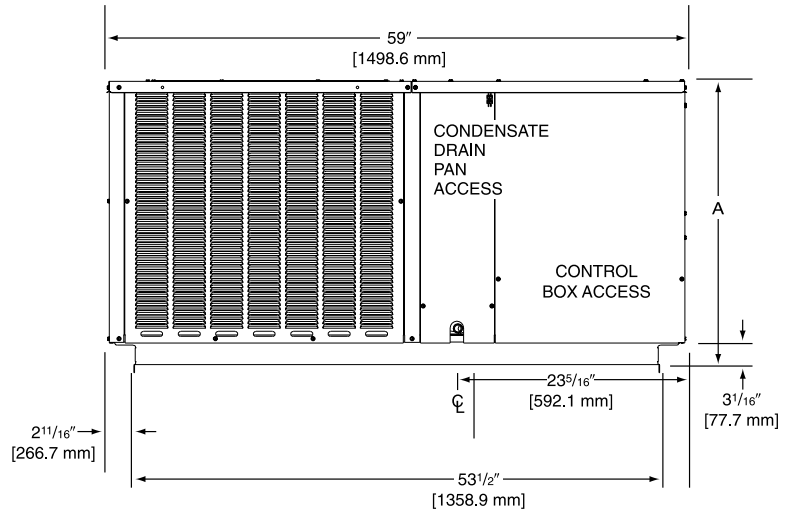
| ELECTRICAL DATA - RACBZR SERIES | | | | | | | |
|--|--|---------------|---------------|---------------|---------------|---------------|---------------|
| | | 024AJT | 030AJT | 036AJT | 042AJT | 048AJT | 060AJT |
| Unit Information | Unit Operating Voltage Range | 187-253 | 187-253 | 187-253 | 187-253 | 187-253 | 187-253 |
| | Volts | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
| | Phase | 1 | 1 | 1 | 1 | 1 | 1 |
| | Hz | 60 | 60 | 60 | 60 | 60 | 60 |
| | Minimum Circuit Ampacity | 20 | 21 | 24 | 28 | 31 | 38 |
| | Minimum Overcurrent Protection Device Size | 25 | 30 | 35 | 40 | 45 | 50 |
| | Maximum Overcurrent Protection Device Size | 30 | 35 | 40 | 45 | 50 | 60 |
| Compressor 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 |
| | RPM | 3450 | 3450 | 3450 | 3450 | 3450 | 3450 |
| | HP, Compressor 1 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 |
| | Amps (RLA), Comp. 1 | 10.8 | 12.3 | 14.7 | 15.9 | 18.3 | 27.1 |
| | Amps (LRA), Comp. 1 | 55 | 63 | 75 | 112.3 | 108 | 144 |
| | HP, Compressor 2 | | | | | | |
| | Amps (RLA), Comp. 2 | | | | | | |
| Amps (LRA), Comp. 2 | | | | | | | |
| 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 | 1.8 | 1.8 |
| | Amps (LRA, each) | 3 | 3 | 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 | 3/4 | 3/4 | 1 |
| | Amps (FLA, each) | 4.1 | 4.1 | 4.1 | 6 | 6 | 7.6 |
| | Amps (LRA, each) | 3 | | | | | |

| 208/240 VOLT, SINGLE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION | | | | | | | | | | | | | |
|---|--|-----------------------|-----------------------------|-----------------------|-------------------------|-------------------------------------|-------------------------------------|-------------------|-----------------------------|-------------------------|-----------------------------|-------------------------------------|-------------------|
| Separate Power Supply for Both Unit and Heater Kit | | | | | | | | | | | | | |
| Mainline Model Number | Single Power Supply for Both Unit and Heater Kit | | | | | Air Conditioner | | | | Heater Kit | | | |
| | RXQJ-Heater Kit Nominal kW | No. of Sequence Steps | Rated Heater kW @ 208/240 V | Heater kW @ 208/240 V | Heater Amp. @ 208/240 V | Unit Min. Ckt. Ampacity @ 208/240 V | Over Current Protective Device Size | | Min. Ckt. Ampacity 208/240V | Max. Fuse Size 208/240V | Min. Ckt. Ampacity 208/240V | Over Current Protective Device Size | |
| | | | | | | | Min./Max. @ 208 V | Min./Max. @ 240 V | | | | Min./Max. @ 208 V | Min./Max. @ 240 V |
| RACBZR024AJT | No Heat | — | — | — | — | 20/20 | 25/30 | 25/30 | — | — | 20/20 | 25/30 | 25/30 |
| | C05J | 1 | 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 | 1 | 5.4/7.2 | 18.43/24.57 | 26.0/30.0 | 38/43 | 40/40 | 45/45 | 33/38 | 35/40 | 20/20 | 25/30 | 25/30 |
| | C10J | 1 | 7.2/9.6 | 24.57/32.76 | 34.7/40.0 | 49/56 | 50/50 | 60/60 | 44/50 | 45/50 | 20/20 | 25/30 | 25/30 |
| RACBZR030AJT | No Heat | — | — | — | — | 21/21 | 30/35 | 30/35 | — | — | 21/21 | 30/35 | 30/35 |
| | C05J | 1 | 3.6/4.8 | 12.28/16.38 | 17.3/20.0 | 27/31 | 30/35 | 35/35 | 22/25 | 25/25 | 21/21 | 30/35 | 30/35 |
| | C07J | 1 | 5.4/7.2 | 18.43/24.57 | 26.0/30.0 | 38/43 | 40/40 | 45/45 | 33/38 | 35/40 | 21/21 | 30/35 | 30/35 |
| | C10J | 1 | 7.2/9.6 | 24.57/32.76 | 34.7/40.0 | 49/56 | 50/50 | 60/60 | 44/50 | 45/50 | 21/21 | 30/35 | 30/35 |
| | C15J | 1 | 10.8/14.4 | 36.85/49.13 | 52.0/60.0 | 71/81 | 80/80 | 90/90 | 65/75 | 70/80 | 21/21 | 30/35 | 30/35 |
| RACBZR036AJT | No Heat | — | — | — | — | 24/24 | 35/40 | 35/40 | — | — | 24/24 | 35/40 | 35/40 |
| | C05J | 1 | 3.6/4.8 | 12.28/16.38 | 17.3/20.0 | 27/31 | 35/40 | 35/40 | 22/25 | 25/25 | 24/24 | 35/40 | 35/40 |
| | C07J | 1 | 5.4/7.2 | 18.43/24.57 | 26.0/30.0 | 38/43 | 40/40 | 45/45 | 33/38 | 35/40 | 24/24 | 35/40 | 35/40 |
| | C10J | 1 | 7.2/9.6 | 24.57/32.76 | 34.7/40.0 | 49/56 | 50/50 | 60/60 | 44/50 | 45/50 | 24/24 | 35/40 | 35/40 |
| | C15J | 1 | 10.8/14.4 | 36.85/49.13 | 52.0/60.0 | 71/81 | 80/80 | 90/90 | 65/75 | 70/80 | 24/24 | 35/40 | 35/40 |
| RACBZR042AJT | No Heat | — | — | — | — | 28/28 | 40/45 | 40/45 | — | — | 28/28 | 40/45 | 40/45 |
| | C05J | 1 | 3.6/4.8 | 12.28/16.38 | 17.3/20.0 | 30/33 | 40/45 | 40/45 | 22/25 | 25/25 | 28/28 | 40/45 | 40/45 |
| | C07J | 1 | 5.4/7.2 | 18.43/24.57 | 26.0/30.0 | 40/45 | 40/45 | 45/45 | 33/38 | 35/40 | 28/28 | 40/45 | 40/45 |
| | C10J | 1 | 7.2/9.6 | 24.57/32.76 | 34.7/40.0 | 51/58 | 60/60 | 60/60 | 44/50 | 45/50 | 28/28 | 40/45 | 40/45 |
| | C15J | 1 | 10.8/14.4 | 36.85/49.13 | 52.0/60.0 | 73/83 | 80/80 | 90/90 | 65/75 | 70/80 | 28/28 | 40/45 | 40/45 |
| | C20J | 1 | 14.4/19.2 | 49.13/65.51 | 69.3/80.0 | 95/108 | 100/100 | 110/110 | 87/100 | 90/100 | 28/28 | 40/45 | 40/45 |
| RACBZR048AJT | No Heat | — | — | — | — | 31/31 | 45/50 | 45/50 | — | — | 31/31 | 45/50 | 45/50 |
| | C05J | 1 | 3.6/4.8 | 12.28/16.38 | 17.3/20.0 | 31/33 | 45/50 | 45/50 | 22/25 | 25/25 | 31/31 | 45/50 | 45/50 |
| | C07J | 1 | 5.4/7.2 | 18.43/24.57 | 26.0/30.0 | 40/45 | 45/50 | 45/50 | 33/38 | 35/40 | 31/31 | 45/50 | 45/50 |
| | C10J | 1 | 7.2/9.6 | 24.57/32.76 | 34.7/40.0 | 51/58 | 60/60 | 60/60 | 44/50 | 45/50 | 31/31 | 45/50 | 45/50 |
| | C15J | 1 | 10.8/14.4 | 36.85/49.13 | 52.0/60.0 | 73/83 | 80/80 | 90/90 | 65/75 | 70/80 | 31/31 | 45/50 | 45/50 |
| | C20J | 1 | 14.4/19.2 | 49.13/65.51 | 69.3/80.0 | 95/108 | 100/100 | 110/110 | 87/100 | 90/100 | 31/31 | 45/50 | 45/50 |
| RACBZR060AJT | No Heat | — | — | — | — | 38/38 | 50/60 | 50/60 | — | — | 38/38 | 50/60 | 50/60 |
| | C05J | 1 | 3.6/4.8 | 12.28/16.38 | 17.3/20.0 | 38/38 | 50/60 | 50/60 | 22/25 | 25/25 | 38/38 | 50/60 | 50/60 |
| | C07J | 1 | 5.4/7.2 | 18.43/24.57 | 26.0/30.0 | 42/47 | 50/60 | 50/60 | 33/38 | 35/40 | 38/38 | 50/60 | 50/60 |
| | C10J | 1 | 7.2/9.6 | 24.57/32.76 | 34.7/40.0 | 53/60 | 60/60 | 60/60 | 44/50 | 45/50 | 38/38 | 50/60 | 50/60 |
| | C15J | 1 | 10.8/14.4 | 36.85/49.13 | 52.0/60.0 | 75/85 | 80/80 | 90/90 | 65/75 | 70/80 | 38/38 | 50/60 | 50/60 |
| C20J | 1 | 14.4/19.2 | 49.13/65.51 | 69.3/80.0 | 97/110 | 100/100 | 110/110 | 87/100 | 90/100 | 38/38 | 50/60 | 50/60 | |

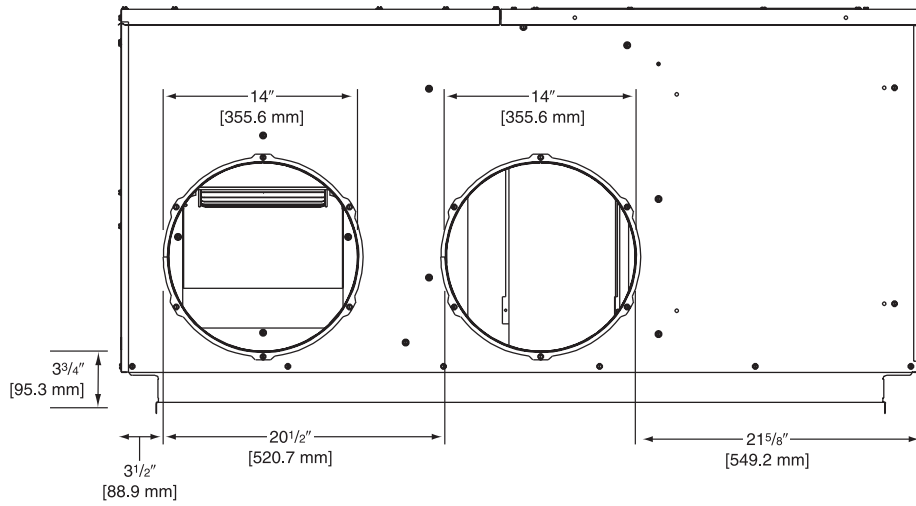
DIMENSIONS

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

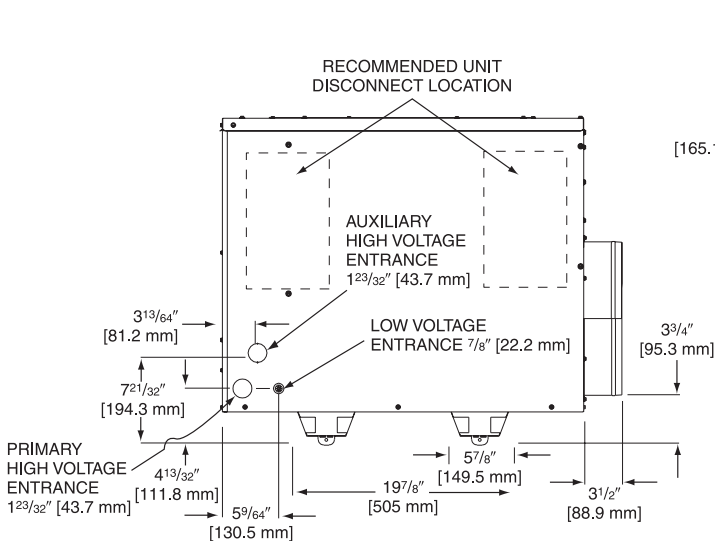
FRONT VIEW



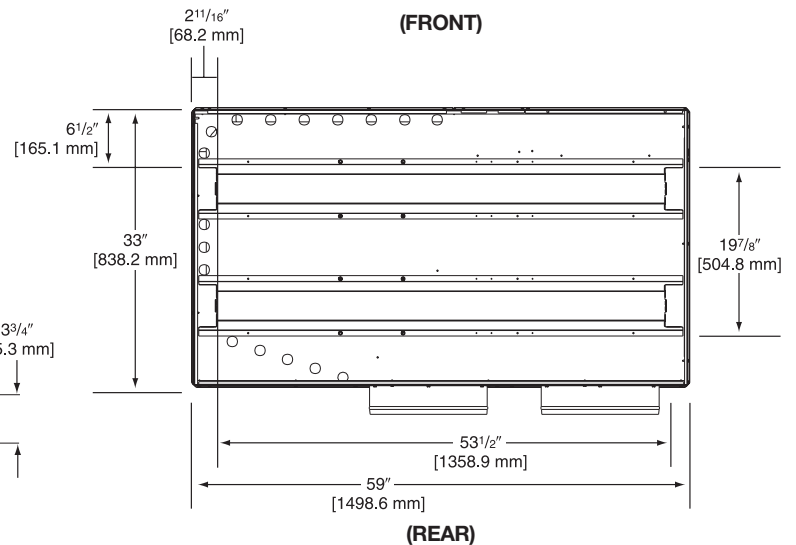
REAR VIEW



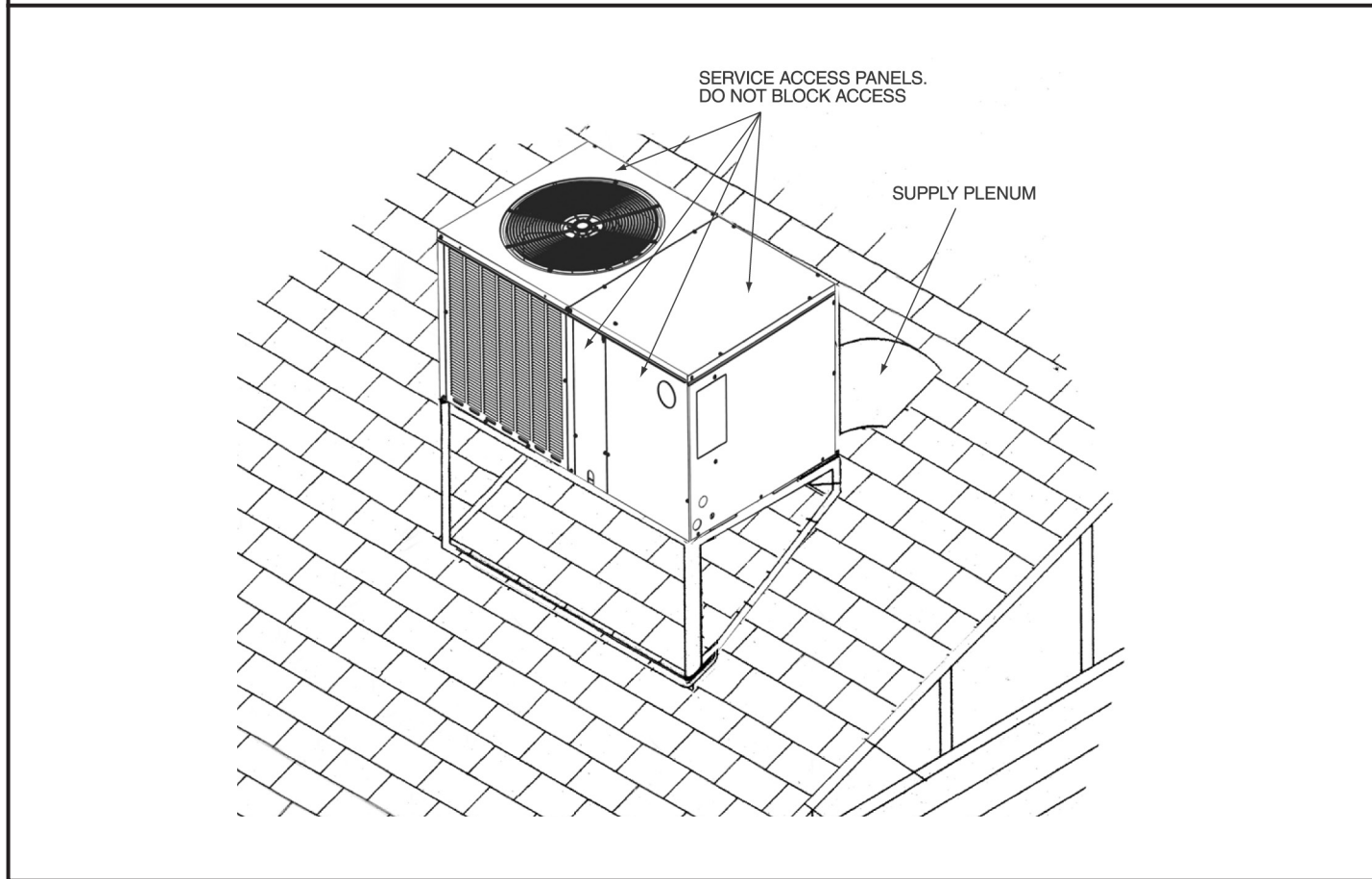
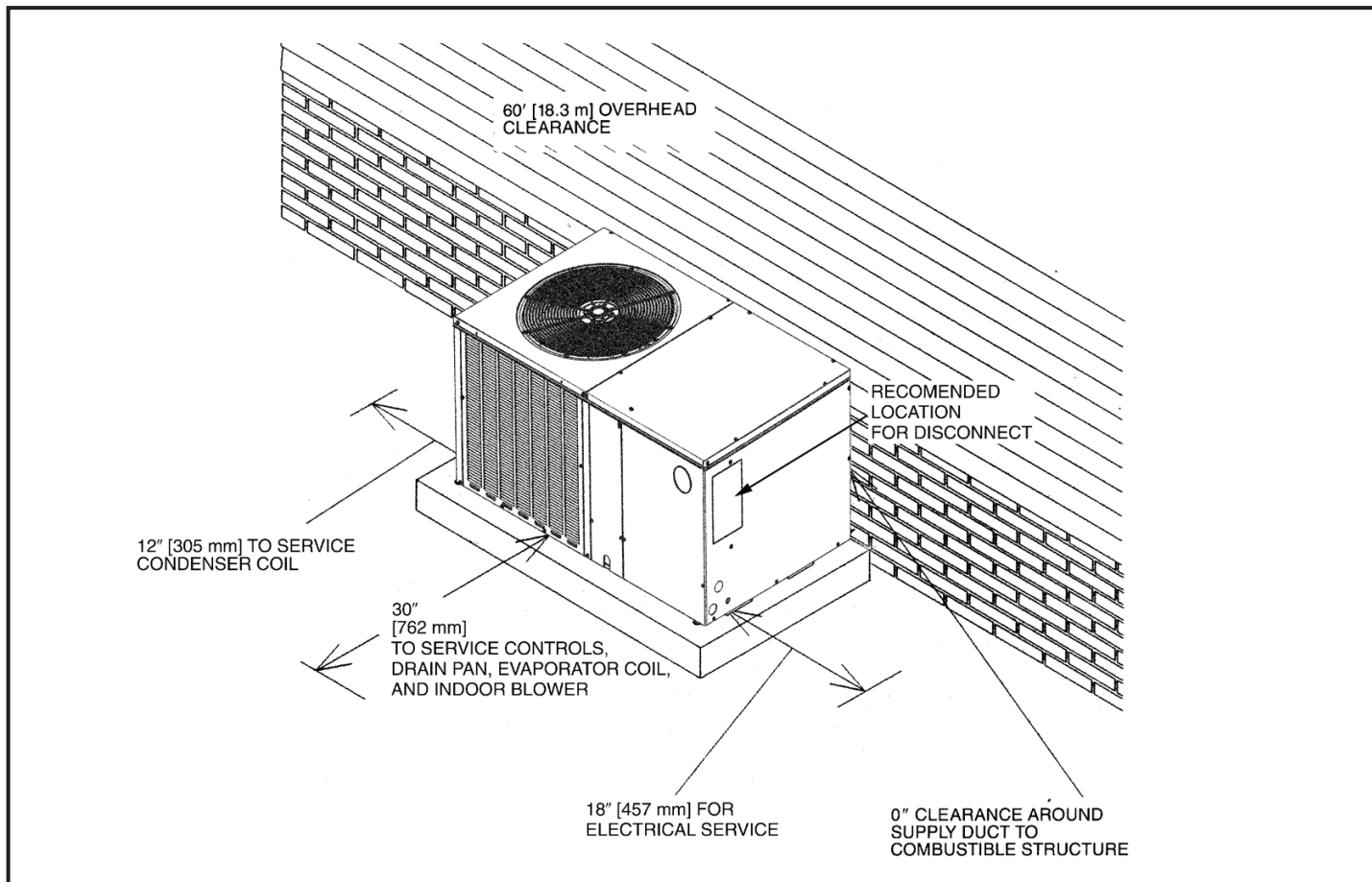
ELECTRICAL CONNECTIONS



BOTTOM VIEW



[] Designates Metric Conversions



[] Designates Metric Conversions



BEFORE PURCHASING THIS APPLIANCE, READ IMPORTANT ENERGY COST AND EFFICIENCY INFORMATION AVAILABLE FROM YOUR RETAILER.

GENERAL TERMS OF LIMITED WARRANTY*

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

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

Conditional Parts (Registration Required)

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

Compressor

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

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

Parts

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

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

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

www.MainlineCollection.com