

# ENDEAVOR™



## Endeavor™ Line Classic Plus® Series iM Air Conditioners



This product meets a stringent set of our internally defined sustainability standards



## Air Conditioner RA16AZ

**Cooling Efficiency:**  
16 SEER2 / 10.5 EER2

**Nominal Sizes:**  
2 to 5 Ton ( 7.03 kW to 17.58 kW)

**Cooling Capacities:**  
22.8 kBTU to 56 kBTU

### Features:

#### o EcoNet® Enabled:

- Automatic system configuration and optimization

#### o PlusOne® Diagnostics & Bluetooth Connectivity:

- Advanced setup, monitoring and troubleshooting
- *Up to 62% faster overall diagnostics over other residential HVAC brands<sup>1</sup>*
- *Up to 54% faster installation over other residential HVAC brands<sup>1</sup>*

#### o PlusOne® Variable Speed Twin Rotary Compressor & Inverter Drive:

- Operation from 40 to 100% capacity with EcoNet® Smart Thermostat
- 3-speed operation when installed with a 24V two-stage thermostat
- Precise temperature control, advanced humidity control, and quieter operation

#### o Brushless DC Condenser Motors (BLDC):

- Enhances reliability and allows for easier serviceability

#### o Swept Wing Fan Technology:

- Quieter operation and improved unit acoustics

#### o 7mm Condenser Copper Coil:

- Requires less refrigerant
- Allows for smaller and lighter footprint
- Enhances reliability

#### o PlusOne® Triple Service Access:

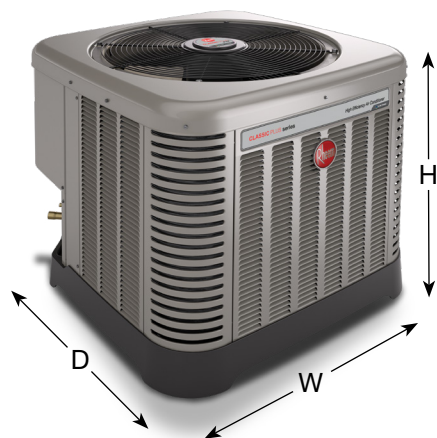
- *Enables up to 93% faster coil cleaning over other residential HVAC brands<sup>1</sup>*

<sup>1</sup> Per a 2022 MIAT Residential HVAC Time Study on base and mid-tier Endeavor™ Line products and commercially available competitor units of similar product tier.

## Rheem® Endeavor™ Line Classic Plus® Series iM Air Conditioners - RA16AZ Nomenclature

| R     | A                    | 16       | A      | Z           | 24  | A              | J                   | 3            | C                 | A              |
|-------|----------------------|----------|--------|-------------|---|----------------|---------------------|--------------|-------------------|----------------|
| Brand | Product Category     | SEER2    | Region | Refrigerant | Capacity BTU/HR   | Major Series   | Voltage             | Type         | Controls          | Minor Series   |
| Rheem | A - Air Conditioners | 16 SEER2 | A-All  | Z - R-410A  | 24 - 24,000 [7.03 kW]<br>36 - 36,000 [10.55 kW]<br>48 - 48,000 [14.07 kW]<br>60 - 60,000 [17.58 kW] | A - 1st Design | J - 1ph, 208-230/60 | 3 - 3+ Stage | C - Communicating | A - 1st Design |

| Available Models |
|------------------|
| RA16AZ24AJ3CA    |
| RA16AZ36AJ3CA    |
| RA16AZ48AJ3CA    |
| RA16AZ60AJ3CA    |



### Cabinet Dimensions

| Model         | Height (in) | Width (in) | Depth (in) | Net Weight (lbs) |
|---------------|-------------|------------|------------|------------------|
| RA16AZ24AJ3CA | 27          | 29.75      | 29.75      | 157              |
| RA16AZ36AJ3CA | 27          | 33.75      | 33.75      | 195              |
| RA16AZ48AJ3CA | 31          | 33.75      | 33.75      | 205              |
| RA16AZ60AJ3CA | 31          | 35.75      | 35.75      | 228              |

### Preliminary Product Data<sup>2</sup>

| Model         | Total Capacity BTU/H [kW] | SEER2 | EER2 | Voltage | Phase | Hertz |
|---------------|---------------------------|-------|------|---------|-------|-------|
| RA16AZ24AJ3CA | 22,800 [6.7]              | 16.0  | 10.5 | 208-230 | 1     | 60    |
| RA16AZ36AJ3CA | 34,200 [10.0]             | 16.0  | 10.5 | 208-230 | 1     | 60    |
| RA16AZ48AJ3CA | 46,000 [13.5]             | 16.0  | 10.5 | 208-230 | 1     | 60    |
| RA16AZ60AJ3CA | 56,000 [16.4]             | 16.0  | 10   | 208-230 | 1     | 60    |

<sup>2</sup> COMING SOON: Ratings data is for reference only. Complete rated system performance data will be included in the full Product Specification Sheet which will be available by June 15. Please refer to [www.ahridirectory.org](http://www.ahridirectory.org) for official ratings.

### GENERAL TERMS OF LIMITED WARRANTY<sup>3</sup>

Rheem 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.

<sup>3</sup> 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 Unit Replacement  
(Registration Required)..... Ten (10) Years

Parts..... Ten (10) Years

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