



The new degree of comfort.®

PROJECT NAME _____

LOCATION _____

ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

SUBMITTED BY _____ DATE _____

UNIT SUMMARY

Quantity						
Unit Designation						
Model No.						
Total Cooling						
Sensible Cooling						
Air Ent. Evaporator						
Air Lvg. Evaporator						
Heating Input						
Heating Output						
CFM/ESP						
EER/SEER						
Electrical						
Minimum Ampacity						
Min.-Max. Breaker						
Net Unit Weight						
Accessory						
Catalog Form Number						

ACCESSORIES:

NOTES:

Endeavor® Line RD17AZ Side-Discharge Universal Heat Pumps

Cooling Efficiencies up to: 19 SEER2/12 EER2

Heating Efficiencies up to: 8.5 HSPF2

Nominal Sizes: 2 to 5 Ton [7.0 to 17.6 kW]

JOB NAME _____ LOCATION _____

CONTRACTOR _____ ORDER NO. _____

ENGINEER _____ UNIT MODEL NO. _____

SUBMITTED FOR APPROVAL RECORD COIL MODEL NO. _____

DATE _____ AIR HANDLER MODEL NO. _____

UNIT DATA

COOLING PERFORMANCE

EFFICIENCY SEER

TOTAL CAPACITY* MBH [kW]

SENSIBLE CAPACITY* MBH [kW]

OUTDOOR DESIGN TEMP..... °F [°C] DB

TEMP. OF AIR ENTERING
EVAPORATOR COIL °F [°C] DB

..... °F [°C] WB

POWER INPUT REQUIREMENT kW
(*uses blower motor heat)

HEATING PERFORMANCE

EFFICIENCY HSPF

TOTAL CAPACITY* MBH [kW]

OUTDOOR DESIGN TEMP..... °F [°C] DB

TEMP. OF AIR ENTERING
EVAPORATOR COIL °F [°C] DB

SUPPLY AIR BLOWER PERFORMANCE

TOTAL AIR SUPPLY..... CFM [L/s]

TOTAL RESISTANCE EXTERNAL
TO UNIT IWG

BLOWER SPEED..... RPM

POWER OUTPUT REQUIREMENT BHP

MOTOR RATING HP [W]

POWER INPUT REQUIREMENT kW

ELECTRICAL DATA

POWER SUPPLY Hz

TOTAL UNIT AMPACITY..... AMPS

MINIMUM WIRE SIZE AWG

MAXIMUM OVERCURRENT DEVICE
FUSES/HACR BREAKER AMPS

CLEARANCES

ACCESS SIDE 24" [609.6 mm]

AIR INLETS 12" [304.8 mm]

ABOVE UNIT 60" [1524 mm]



FEATURES

- Flexible & Universal Install Compatibility:**
 - Works with nearly any HVAC System – including EcoNet® Enabled systems and non-communicating systems
 - Install with any indoor system component via an algorithm
(IMPORTANT: the indoor system component CFM must match the requirement of the outdoor system component)
 - Install as a Universal Replacement with minimal alterations (coil only – with TXV)
- Space Saver Solution:** The RD17AZ – with footprint options as low as 36.6” tall and 40.2” wide – is ideal for when installation locations are constrained; but is also perfect for any system or replacement option where an efficient, streamlined look is desired
- Quiet Operation as low as 58dB¹:** Offers sound dampening features such as a sound blanket, refrigerant tubing design, fan blade approach and innovative compressor and drive technologies – ensure that as efficiency goes up, sound levels stay low
- EcoNet® Enabled²:** Automatic system configuration and optimization
- PlusOne® Diagnostics & Bluetooth^{3, 4} Connectivity:** With the Contractor & EcoNet® Apps, built-in technology makes advanced set-up, monitoring, troubleshooting, and repairing the product easier than ever before
- PlusOne® Variable Speed Twin Rotary Compressor & Inverter Drive:**
 - Features variable speed operation from 45 to 100% capacity with the EcoNet® Smart Thermostat or with legacy and other thermostats when the utility 1 & 2 jumpers are installed or using the algorithm⁵
 - Provides precise temperature control, advanced humidity control and greater efficiency
- Brushless DC Condenser Motors (BLDC):** Enhances reliability and allows for easier serviceability
- Swept Wing Fan Technology:** Features quieter operation and improved unit acoustics
- 7mm Condenser Copper Coil:** Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- Optional Base Pan Heater:** Utilizes a built-in thermostat to regulate the heating operation to prevent ice build-up on the base pan during extreme cold weather conditions



**Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet Energy Star. Ask your Contractor for details or visit www.energystar.gov.*

FEATURES (Con't.)

- **Traditional Refrigerant Piping:** Allows for use of existing refrigerant line sets for further ease of replacement installation flexibility
- **10-Year Conditional Parts Warranty (registration required):** Coverage when installed as a heat pump only or as part of a system – with no AHRI matched system requirement
- **Qualifies for Federal Incentives (conditions apply):**
 - Federal Tax Credit compliant system combinations across all product tonnages (effective through 12/31/32) – up to \$2000 for qualified heat pumps

¹Based on Internal R&D Testing, 2023 Sound levels are also dependent on proper installation and location of outdoor product.

²When installed as part of a complete AHRI-matched, EcoNet® Enabled system.

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ACCESSORIES/OPTIONS

- Compressor Crankcase Heater.....
- Compressor Hard Start Kit.....
- Liquid Line Solenoid (24 VAC, 50/60 Hz).....
- Liquid Line Solenoid (120/40 VAC, 50/60 Hz).....
- Basepan Heater.....

⁴When installed as part of a complete system where both the outdoor & indoor components feature Bluetooth® Technology.

⁵Two-Stage (70% & 100% capacity) operation when installed with legacy and other thermostats when the utility 1 & 2 jumpers are not installed. The 2-Ton model features a single rotary compressor.

RD17AZ

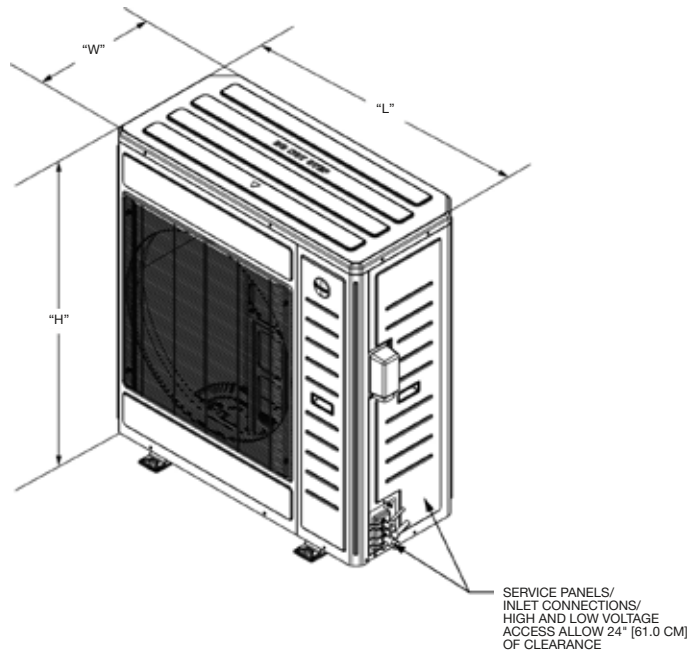


Illustration
A1345-02-00

Unit Dimensions

MODEL NO.	OPERATING						SHIPPING					
	H (Height)		L (Length)		W (Width)		H (Height)		L (Length)		W (Width)	
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
RD17AZ24AJ3NA	36.61	930	40.16	1020	16.38	416	43.31	1100	48.43	1230	22.05	560
RD17AZ36AJ3NA	46.38	1178	42.01	1067	19.29	490	53.94	1370	50.00	1270	25.00	635
RD17AZ48AJ3NA	57.80	1468	40.16	1020	16.38	416	65.16	1655	48.43	1230	22.05	560
RD17AZ60AJ3NA	57.80	1468	40.16	1020	16.38	416	65.16	1655	48.43	1230	22.05	560

[] Designates Metric Conversions

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.

5600 Old Greenwood Road
Fort Smith, Arkansas 72908

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