

Endeavor® Line RP17AY Top-Discharge Universal Heat Pumps
Cooling Efficiencies up to: 17 SEER2 / 11.7 EER2
Heating Efficiencies up to: 9.5 HSPF2
Nominal Sizes: 2 to 5 Tons [7.0 to 17.6 kW]
Cooling & Heating Capacities 22.2 to 57.0 kBTU [6.5 to 16.7 kW]
Refrigerant Type: R-454B

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 and Universal Install Compatibility:**
 - Works with nearly any R-454B HVAC System—including Rheem EcoNet® Enabled systems and non-communicating systems
 - Install with any indoor system component via a Rheem algorithm (IMPORTANT: The indoor system component CFM must match the requirement of the outdoor system component)
 - Install as a Universal Replacement with minimal alterations (R-454B coil only—with TXV)
- **Quiet Operation as low as 55dBA¹:** 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 Rheem 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 and Inverter Drive:**
 - Features variable speed operation from 35% to 100% capacity with the EcoNet Smart Thermostat or with legacy and other thermostats when the utility 1 & 2 jumpers are installed and using the Rheem 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
- **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
- **PlusOne Refrigerant Detection System™⁶:** 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 the any 24V thermostat application and system protection by automatically pausing outdoor unit operation—if excess refrigerant is detected

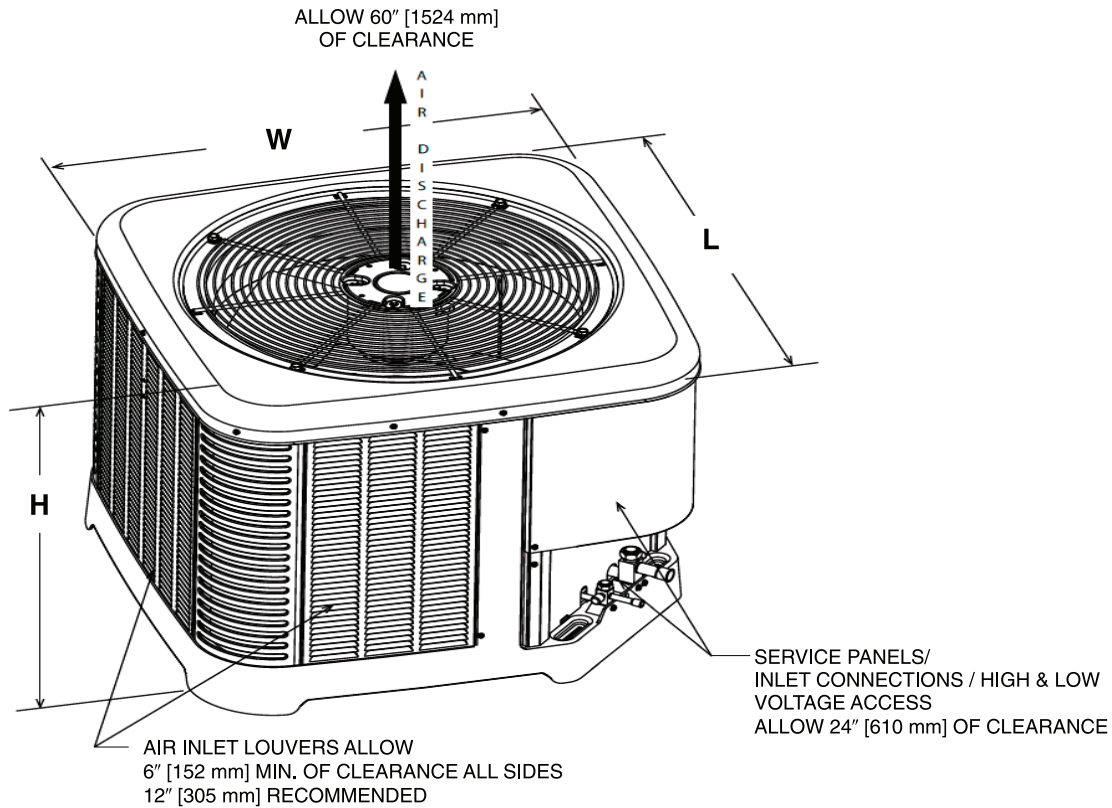


ACCESSORIES/OPTIONS

- Compressor Crankcase Heater..... ☐
- Liquid Line Solenoid (24 VAC, 50/60 Hz) ☐
- Liquid Line Solenoid (120/240 VAC, 50/60 Hz)..... ☐

¹Based on Internal R&D Testing, 2024 Sound levels are also dependent on proper installation and location of outdoor product. ²When installed as part of a complete AHRI-matched, Rheem EcoNet Enabled system. ³The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Rheem is under license. Other trademarks and trade names are those of their respective owners. ⁴When installed as part of a complete Rheem system where both the outdoor and 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. ⁶When installed as part of a complete Rheem system. The sensor is factory or field-installed in the furnace coil or air handler and is applicable to the complete heating and cooling system featuring Low GWP Refrigerant (A2L). ⁷Proper 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.

RP17AY



ST-A1226-02-00

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
RP17AY24AJVCA	27.00	685.80	29.75	755.65	29.75	755.65	28.50	723.90	32.38	822.45	32.38	822.45
RP17AY36AJVCA	39.00	991.00	33.75	857.25	33.75	857.25	40.50	1028.70	36.38	924.05	36.38	924.05
RP17AY48AJVCA	39.00	991.00	33.75	857.25	33.75	857.25	40.50	1028.70	36.38	924.05	36.38	924.05
RP17AY60AJVCA	39.00	991.00	35.75	908.00	35.75	908.00	40.50	1028.70	38.38	974.85	38.38	974.85

[] 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.

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

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