

Item # FRH2VY4821STACNJ, WH2VY Endeavor® Line Air Handler

- Constant CFM Motor:
 - When paired with EcoNet® Smart Thermostat, gradually auto-adjusts from low capacity to 100% of capacity to meet comfort requirements—allowing for ultimate humidity control, quieter sounds levels and year-round energy savings
 - When paired with 24V two-stage thermostat, air handler runs in 2 speeds to match airflow with outdoor unit
- Quieter Operation¹: Provided by two-stage operation and truly variable speed airflow technology and sturdy cabinet construction with 1.0 inch



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Specifications

Type	Multipurpose Air Handler
Voltage	208 to 240 V
Number of Phases	1
Frequency	60 Hz
Stages of Airflow	Two-Stage
Motor Type	Constant CFM

Refrigerant	R-454B
Nominal Capacity	48000 Btu/h 14.07 kW
Efficiency	Standard
Metering	TXV
Controls	Communicating
Coil Series	N Coil
Blower Motor	3/4 hp
Blower Motor - RPM	300 to 1300
Motor Amps	5.4 A
Minimum Circuit Ampacity	7 A
Maximum Overcurrent Protection	15 A
Weight	128 lb 56 kg
Shipping Weight	144 lb 65 kg

Dimensions

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Depth	21 11/16 in 551 mm
Width	21 in 533 mm
Height	50 1/2 in 1282 mm
Supply Duct	19 1/2 in 495 mm
Refrigerant Connections Sweat ID - Liquid	3/8 in 9.53 mm

Refrigerant Connections Sweat ID - Vapor

7/8 in
22.23 mm

Features

- **Constant CFM Motor:**
 - When paired with EcoNet[®] Smart Thermostat, gradually auto-adjusts from low capacity to 100% of capacity to meet comfort requirements— allowing for ultimate humidity control, quieter sounds levels and year-round energy savings
 - When paired with 24V two-stage thermostat, air handler runs in 2 speeds to match airflow with outdoor unit
- **Quieter Operation¹:** Provided by two-stage operation and truly variable speed airflow technology and sturdy cabinet construction with 1.0 inch of foil faced insulation for quieter sound characteristics
- **PlusOne[®] Diagnostics:** With the Rheem Contractor & EcoNet[®] Apps, built-in EcoNet[®] & Bluetooth[®] technology makes monitoring, troubleshooting and repairing the product easier than ever before
- **Dip Switch Free Installation Commissioning via Bluetooth[®] Technology:** Seamless final install step without DIP switch configuration using the Rheem Contractor App
- **EcoNet[®] Enabled Air Handler:**
 - The latest in sensor technology and the EcoNet[®] monitoring system provides a new level of protection, control and energy savings
 - Allows on-the-go control and receipt of system alerts by the homeowner via the EcoNet[®] Smart Thermostat and EcoNet[®] App²
- **Aluminum Indoor Coil Design:** Are constructed of aluminum fins bonded to internally grooved aluminum tubing and are more corrosion resistant
- **Versatile 4-Way Convertible Compact Design:** Allows for upflow, downflow, horizontal left and horizontal right applications, even in the smallest of spaces
- **Rugged Steel, Compact Cabinet Construction:** Designed for added strength and versatility
- **Field-installed Auxiliary Heater Kits:** Provide exact heat for indoor comfort and include circuit breakers which meet UL and cUL requirements for service disconnect
- **Less than 2% Cabinet Air Leakage at 1-inch H₂O:** When tested in accordance with ASHRAE Standard 193
- **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%³ 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

- **PlusOne® Refrigerant Detection System™⁴**: 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

¹Based on manufacturer's air handler offering, and the product's airflow stages, motor type and cabinet insulation. Sound levels are also dependent on air handler location and installation.

²Wifi broadband internet connection required. Download the EcoNet® App from the App Store® or Google Play® to set up your EcoNet® Smart Thermostat. Receipt of notifications depend on home WiFi set up. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.

³When comparing the GWP of R-454B to R-410A refrigerant

⁴Factory 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).