



EFFICIENT COMFORT, ALL YEAR LONG



A I R H A N D L E R G U I D E

ENDEAVOR

Rest easy on summer days, winter nights and everything in between with the Ruud® Endeavor® Line of Air Handlers. Offering high efficiency and quiet operation, Ruud Endeavor Air Handlers make it simple to relax in affordable, reliable comfort—season after season.



Ruud.com/Endeavor

ENDURING QUALITY



PEACE-OF-MIND PERFORMANCE

Relax, you're covered by one of the best warranties in the industry¹—up to 10 Year Limited Parts².



QUIET OPERATION

Sound levels range from quietest to quiet with insulated cabinets and truly variable speed airflow technology³—giving you one of the quieter air handler lines available⁴.



OPTIMAL COMFORT

Modulating⁵ (between 40% and 100% of capacity) or two-stage (high, low) heating and cooling operation⁶, along with variable speed motor technology³, ensures a steady stream of just-right airflow to maintain your comfort level preference while providing superior humidity control.



EcoNet[®]



The Ruud Endeavor Line RHMVY and RH2VY air handlers operate with the easy-to-use EcoNet Smart Thermostat, which optimizes system performance and provides a new level of protection and exact comfort **with features like:**

- Communication with latest sensor technology
- Control of your thermostat from anywhere via the EcoNet App⁷
- Alerts sent directly to your phone or email



SIMPLIFIED INSTALL & SERVICE WITH BLUETOOTH TECHNOLOGY

Built-in Bluetooth[®] connectivity⁸ makes it faster and easier for your contractor to install and service your new system. This can help lower your costs and help make your home comfortable again—fast.



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%⁹ 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.



Ruud® Endeavor® Line Air Handlers



	RHMVY	RH2VY	RH2TY
Motor	Constant CFM	Constant CFM	Constant Torque
Airflow Stages	Modulating	Two-Stage	Two-Stage
Expansion Device	Electronic Expansion Valve (EEV)	Thermal Expansion Valve (TXV)	Thermal Expansion Valve (TXV)
Efficiencies	21 SEER2	20 SEER2	19 SEER2
Sound Ranking⁴	Quietest	Quieter	Quiet
EcoNet Enabled	Yes	Yes	No
Bluetooth Connectivity⁸	Yes	Yes	No
Feature Highlights (PlusOnes indicated in bold)	Patented Refrigerant Detection System — Ruud Contractor and EcoNet Apps ⁷ , built-in EcoNet and Bluetooth technology allows for easy install and diagnostics	Patented Refrigerant Detection System — Ruud Contractor and EcoNet Apps ⁷ , built-in EcoNet and Bluetooth technology allows for easy install and diagnostics	Patented Refrigerant Detection System
Configuration	4-Way Convertible	4-Way Convertible	4-Way Convertible
Height	42.5–57 in. (varying sizes)	42.5–57 in. (varying sizes)	42.5–57 in. (varying sizes)
Compatible Thermostat	EcoNet Smart Thermostat — Two-Stage 24V (Emergency Only)	EcoNet Smart Thermostat — Two-Stage 24V	Two-Stage 24V — Single-Stage 24V
Limited Warranty¹	Parts – 10 Years	Conditional Parts – 10 Years (registration required)	Conditional Parts – 10 Years (registration required)

Continued	RH1PY	RF2TY	RF1PY	RB2TY
Motor	PSC	Constant Torque	PSC	Constant Torque
Airflow Stages	Single-Stage	Two-Stage	Single-Stage	Two-Stage
Expansion Device	Thermal Expansion Valve (TXV)	Thermal Expansion Valve (TXV)	Thermal Expansion Valve (TXV)	Thermal Expansion Valve (TXV)
Efficiencies	13.4–15.2 SEER2	13.4–16 SEER2	13.4–15.2 SEER2	13.4–16 SEER2
Sound Ranking⁴	Quiet	Quiet	Quiet	Quiet
EcoNet Enabled	No	No	No	No
Bluetooth Connectivity⁸	No	No	No	No
Feature Highlights (PlusOnes indicated in bold)	Patented Refrigerant Detection System	Patented Refrigerant Detection System	Patented Refrigerant Detection System	Patented Refrigerant Detection System
Configuration	4-Way Convertible	Front / Bottom	Front / Bottom	4-Way Convertible
Height	42.5–55.5 in. (varying sizes)	36 in. (all sizes)	36 in. (all sizes)	35 in. (all sizes)
Compatible Thermostat	Two-Stage 24V — Single-Stage 24V	Two-Stage 24V — Single-Stage 24V	Two-Stage 24V — Single-Stage 24V	Two-Stage 24V — Single-Stage 24V
Limited Warranty¹	Conditional Parts – 10 Years (registration required)	Conditional Parts – 10 Years (registration required)	Conditional Parts – 10 Years (registration required)	Conditional Parts – 10 Years (registration required)



TESTED.
TRUSTED.
TOUGH.

From the smallest part to complete comfort systems, we engineer quality into everything we make so we can be sure it's tough enough to deliver the ultimate performance you can count on day after day, year after year. That reliability is what makes Ruud different—and better.



WE THOUGHT
OF EVERYTHING...
& THEN SOME

We evaluate every detail of a product from top to bottom, inside and out and every angle in between. That's 360+1. And that's why you can count on Ruud Endeavor Air Handlers to bring you and your family years of efficient and dependable indoor comfort.



Ruud.com

Innovating Since 1925

As the only brand bringing innovative air and water solutions to homes and businesses around the world, Ruud continues to deliver advanced comfort, savings and experiences to our customers—just as we've done since 1925.



Ruud USA
5600 Old Greenwood Road
Fort Smith, Arkansas 72908



Ruud Canada Ltd. / Ltée
125 Edgeware Road, Unit 1
Brampton, Ontario L6Y 0P5

Rheem Sales Company, Inc. manufactures the Ruud brand of residential heating & cooling products. In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.



¹Registration is required for the conditional parts and unit replacement warranty (if applicable). For complete details of the limited and conditional warranties, including applicable terms and conditions, contact your local Contractor or go to Ruud.com for a copy of the product warranty certificate. ²Refer to the chart for specific warranty terms by product. ³Applies to the RHMVY and RH2VY models. ⁴Based on manufacturer's product offering, and the product's heating stages, motor type and cabinet insulation. Sound levels are also dependent on unit location and installation. ⁵Applies to the RHMVY model. ⁶Applies to the RH2VY, RH2TY, RF2TY and RB2TY models. ⁷Wi-Fi 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 Wi-Fi setup. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. ⁸Applies to the RHMVY and RH2VY models. ⁹When comparing the GWP of R-454B to R-410A refrigerant.

The 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.

© 2025 Rheem Manufacturing Company. Ruud trademarks owned by Rheem Manufacturing Company.

Printed in the USA | 03/25 | QG | Form No. M22-4056 Rev. 2