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Rheem.com

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AIR HANDLER

RH2TY



- Constant Torque Motor
- Two-Stage Airflow
- R-454B Refrigerant

Limited Warranty

- Conditional Parts (Registration Required):
Ten (10) Years

RH2TY Endeavor® Line Air Handler

FEATURES

Features and Benefits

- Quiet Operation: Provided by a cabinet construction with 1.0 inch of foil faced insulation for quieter sound characteristics
- Aluminum Indoor Coil Design: Constructed of aluminum fins bonded to internally grooved aluminum tubing and are more corrosion resistant
- Versatile 4-Way Convertible Compact Design: Allow 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
- Cabinet Air Leakage at 1-inch H₂O: When tested in accordance with ASHRAE Standard 193

SKU	Voltage	Height	Depth	Width	Weight With Coil	Price
RH2TY2417STANNJ	208-240/60/1	42-1/2	21-11/16	17-1/2	92.0	
RH2TY3617STANNJ	208-240/60/1	42-1/2	21-11/16	17-1/2	96.0	
RH2TY4821STANNJ	208-240/60/1	50-1/2	21-11/16	21	128.0	
RH2TY6024STANNJ	208-240/60/1	55-1/2	21-11/16	24-1/2	161.0	



AIR HANDLER

RH2VY



- Constant CFM Motor
- 2-Stage Airflow
- Thermal Expansion Valve (TXV)
- R-454B Refrigerant

Limited Warranty

- Conditional Parts (Registration Required): Ten (10) Years

RH2VY Endeavor® Line Air Handlers

FEATURES

Features and Benefits

- **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 Operation:** 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 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 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® App
- **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

SKU	Voltage	Height	Depth	Width	Weight With Coil	Price
RH2VY2417STACNJ	208-230/60/1	42-1/2	21-11/16	17-1/2	91.0	
RH2VY3617STACNJ	208-230/60/1	42-1/2	21-11/16	17-1/2	98.0	
RH2VY4821STACNJ	208-230/60/1	50-1/2	21-11/16	21	128.0	
RH2VY6024STACNJ	208-230/60/1	55-1/2	21-11/16	24-1/2	159.0	



HEAT PUMPS

RP14AY Endeavor® Line Classic® Series iM Heat Pump

Endeavor® Line Classic® Series iM Heat Pump



- Nominal Sizes: 1.5 to 5 Tons [5.3 to 17.6 kW]
- Cooling & Heating Capacities: 17.1 kBTU to 55.5 kBTU
- R-454B Refrigerant

Limited Warranty

- Conditional Parts (Registration Required): Ten (10) Years

FEATURES

Features and Benefits

- Two-Stage Scroll® Compressor²: Features two speeds (high and low) of cooling and heating, providing more precise temperature control, lower humidity and greater efficiency when compared to single stage compressors
- Inverted Reversing Valve: Allows for faster heat transfer with gravity assist shifting and reduced joint stress for increased reliability
- *PlusOne*™ Expanded Value Space: 3 in. – 4 in. – 5 in. service valve space—provides a minimum working area of 27-square inches for easier access
- *PlusOne*™ Triple Service Access: 15 in. wide, industry leading corner service access, two fastener, removeable corner and individual louver panels—makes repairs easier and faster
- 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^{TM4}: 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

SKU	Capacity	Voltage	Height	Length	Width	Weight	Liquid	Suction	Price
RP14AY18AJ1NA	18000	208-230/60/1	25	29-3/4	29-3/4	153.0	3/8	3/4	
RP14AY24AJ2NA	24000	208-230/60/1	25	29-3/4	29-3/4	153.0	3/8	3/4	
RP14AY30AJ2NA	30000	208-230/60/1	27	33-3/4	33-3/4	189.0	3/8	3/4	
RP14AY36AJ2NA	36000	208-230/60/1	35	33-3/4	33-3/4	202.0	3/8	3/4	
RP14AY42AJ2NA	42000	208-230/60/1	35	33-3/4	33-3/4	232.0	3/8	7/8	
RP14AY48AJ2NA	48000	208-230/60/1	35	33-3/4	33-3/4	236.0	3/8	7/8	
RP14AY60AJ2NA	60000	208-230/60/1	39	35-3/4	35-3/4	275.0	3/8	7/8	



HEAT PUMPS

RP15AY Endeavor™ Line Classic® Plus Series iM Heat Pumps



- Cooling Efficiencies up to: 16 SEER2 / 11.7 EER2
- Heating Efficiencies up to: 8.1 HSPF
- Nominal Sizes: 1.5 to 5 Tons [5.3 to 17.6 kW]
- Cooling & Heating Capacities: 17.1 kBTU to 57 kBTU
- R-454B Refrigerant

Limited Warranty

- Conditional Parts (Registration Required): Ten (10) Years

RP15AY Endeavor® Line Classic Plus® Series iM Heat Pump

FEATURES

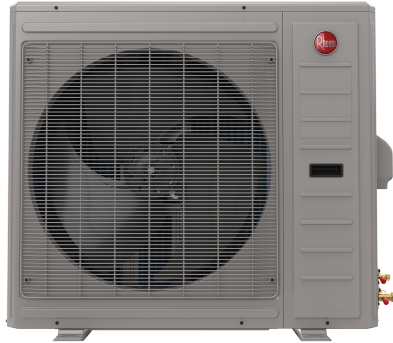
Features and Benefits

- Two-Stage Scroll® Compressor: Features two speeds (high and low) of cooling and heating, providing more precise temperature control, lower humidity and greater efficiency when compared to single stage compressors
- 7mm Condenser Copper Coil: Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- Inverted Reversing Valve: Allows for faster heat transfer with gravity assist shifting and reduced joint stress for increased reliability
- PlusOne™ Expanded Valve Space: 3 in. – 4 in. – 5 in. service valve space — provides a minimum working area of 27-square inches for easier access
- PlusOne™ Triple Service Access: 15" wide, industry leading corner service access, two fastener, removeable corner and individual louver panels — makes repairs easier and faster
- PlusOne™ Refrigerant Detection System: An integrated one-box, patented design featuring the A@L 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 refrigeration is detected.
- 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% lower GWP than previous-generation refrigerants - with only minimal changes to system installation. For us, this is another step towards our continued sustainability goal of reducing greenhouse gas emissions, while still delivering an exceptional level of energy efficient, dependable comfort.

SKU	Capacity	Voltage	Height	Length	Width	Weight	Liquid	Suction	Price
RP15AY18AJ2NA	18000	208-230/60/1	25	29-3/4	29-3/4	150.0	3/8	3/4	
RP15AY24AJ2NA	24000	208-230/60/1	25	29-3/4	29-3/4	150.0	3/8	3/4	
RP15AY30AJ2NA	30000	208-230/60/1	35	33-3/4	33-3/4	202.0	3/8	3/4	
RP15AY36AJ2NA	36000	208-230/60/1	39	35-3/4	35-3/4	214.0	3/8	3/4	
RP15AY42AJ2NA	42000	208-230/60/1	39	35-3/4	35-3/4	240.0	3/8	7/8	
RP15AY48AJ2NA	48000	208-230/60/1	39	35-3/4	35-3/4	240.0	3/8	7/8	
RP15AY60AJ2NA	60000	208-230/60/1	39	35-3/4	35-3/4	275.0	3/8	7/8	



HEAT PUMPS



- Cooling Efficiencies up to: 17 SEER2 / 10.5 EER2
- Heating Efficiencies up to: 8.5 HSPF2
- Nominal Sizes: 2 to 5 Tons [7.0 to 17.6 kW]
- Cooling & Heating Capacities: 22.8 to 55.5 kBTU [6.7 to 16.3 kW]
- Refrigerant Type: R-454B

Limited Warranty

- Conditional Parts: Ten (10) Years (registration required)

RD16AY Endeavor® Line Classic® Plus Series Side-Discharge Heat Pumps

FEATURES

Features and Benefits

- **Space Saver Solution:** The RD16AY—with footprint options as low as 31.8" tall and 19.8" 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 50dBA1:** 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 & 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 Rheem algorithm5 — Provides precise temperature control, advanced humidity control and greater efficiency
- **Brushless DC Condenser Motors (BLDC):** Enhances reliability and allows for easier serviceability
- **7mm Condenser Copper Coil:** Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- **Swept Wing Fan Technology:** Features quieter operation and improved unit acoustics
- **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
- **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
- **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%7 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
- **Qualifies for Federal Incentives (conditions apply):** — Federal Tax Credit compliant system combinations may be available (effective through 12/31/32) - up to \$2000 for qualified heat pumps — Visit [Rheem.com/Federal-Incentives](https://www.rheem.com/federal-incentives)

SKU	Capacity	Voltage	Height	Length	Width	Weight	Liquid	Suction	Price
RD16AY24AJVCA	24000	208-230/60/1	31	40	19	128.0	3/8	3/4	



HEAT PUMPS

RD16AY Endeavor® Line Classic® Plus Series Side- Discharge Heat Pumps

SKU	Capacity	Voltage	Height	Length	Width	Weight	Liquid	Suction	Price
RD16AY36AJVCA	36000	208-230/60/1	31	40	19	146.0	3/8	3/4	
RD16AY48AJVCA	48000	208-230/60/1	36	40	19	212.0	3/8	7/8	
RD16AY60AJVCA	60000	208-230/60/1	46	42	22	254.0	3/8	7/8	



HEAT PUMPS

RD18AY



- Cooling Efficiencies up to: 19 SEER2 / 13 EER2
- Heating Efficiencies up to: 10 HSPF2
- Nominal Sizes: 2 to 5 Tons [7.0 to 17.6 kW]
- Cooling & Heating Capacities: 22.8 to 53.0 kBTU [6.7 to 16.1 kW]

Limited Warranty

- Conditional Parts: 10 Years (Registration Required)

RD18AY Endeavor® Line Prestige® Series Universal Heat Pumps

FEATURES

Features and Benefits

- 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)
- Space Saver Solution: The RD18AY—with footprint options as low as 36.6" tall and 19.8" wide
- Quiet Operation as low as 50dB1
- EcoNet® Enabled2: Automatic system configuration and optimization
- PlusOne™ Diagnostics & Bluetooth®3, 4 Connectivity
- 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 Rheem algorithm5
- Brushless DC Condenser Motors (BLDC)
- Swept Wing Fan Technology
- 7mm Condenser Copper Coil
- 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
- Traditional Refrigerant Piping: Allows for use of existing refrigerant line sets for further ease of replacement installation flexibility
- Qualifies for Federal Incentives (conditions apply)
- 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
- 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%7 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

SKU	Capacity	Voltage	Height	Length	Width	Weight	Liquid	Suction	Price
RD18AY24AJVCA	24000	208-230/60/1	36-19/32	40-13/32	19-25/32	177.0	3/8	3/4	
RD18AY36AJVCA	36000	208-230/60/1	46-13/32	42-9/32	22-25/32	230.0	3/8	3/4	
RD18AY48AJVCA	48000	208-230/60/1	58	40-13/32	19-25/32	296.0	3/8	7/8	
RD18AY60AJVCA	60000	208-230/60/1	58	40-13/32	19-25/32	306.0	3/8	7/8	





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Rheem manufactures residential & commercial heating, cooling
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the right to make changes without notice."*

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