

VANTIX[®]

H E A T P U M P A N D A I R C O N D I T I O N E R G U I D E



RussellByRheem.com/Vantix

Simple, **Dependable Comfort**

Put your mind at ease with the dependable comfort of the Russell[®] by Rheem Vantix[®] Line of Heat Pumps and Air Conditioners. The Russell by Rheem Vantix Line offers a range of choices designed for high-performance comfort that helps keep energy bills low.



Practical Performance, Season After Season



PEACE-OF-MIND PERFORMANCE

Relax, you're covered by one of the best warranties in the industry¹—Up to 10 Year Conditional Unit Replacement and 10 Year Conditional Parts².



QUIET OPERATION

Efficient home comfort shouldn't be noisy. That's why our air conditioners and heat pumps are designed with acoustics in mind. Integrated sound-dampening features such as refrigerant tubing design, fan blade approach, composite base pan and innovative compressor and drive technologies let you enjoy more efficiency—and less noise³.



REDUCED EMISSIONS

Households generate 72%⁴ of greenhouse gas emissions, so switching to a heat pump can make a big difference for the environment—today.



HIGH COMFORT

Inverter-driven, variable speed compressor⁵ (between 40% and 100% of capacity), variable speed twin rotary compressor⁶ (between 40% and 70% of capacity, ramping up to 100% when required), two-stage⁷ (high, low) or single-stage⁸ technology work to continuously meet your ever-changing cooling needs. You'll enjoy steady temperature and advanced humidity control that combine to exceed your optimal comfort expectations.



With the EcoNet[®] app⁹ and EcoNet Smart Thermostat, you can remotely control your powered by EcoNet technology products, monitor your energy usage, and get real-time alerts and notifications for added peace-of-mind.

Keep your home running smoothly

- **Get peace-of-mind** – Receive proactive alerts, real-time notifications and service reminders to protect your home
- **Control and monitor** – Remotely manage temperature and choose operation modes for increased performance and efficiency
- **Increase savings & value energy management** – Set personalized schedules to match your daily routine and usage needs
- **Smart home integration** – Connect with other smart home systems for a more advanced living environment



Earning ENERGY STAR[®] recognition means products meet strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and several of the Russell by Rheem Vantix Heat Pumps are ENERGY STAR[®] certified, offering annual energy cost savings¹⁰.



Simplified Install & Service with Bluetooth Technology

Built-in Bluetooth[®] connectivity¹¹ on many of the Heat Pump and Air Conditioner models make 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.

Russell[®] by Rheem Vantix[®] Line Heat Pump Series



Keep comfortable year-round with the Russell by Rheem Vantix line of Heat Pumps. Each model is designed to provide efficient heating and cooling technology to keep your utility bills dependably low.

	SP19AY	RD18AY	RD16AY	SP15AY	SP14AY
Cooling & Heating Efficiencies¹² Up To:	20 SEER2 / 12.5 EER2 / 8.5 HSPF2	19 SEER2 / 13 EER2 / 10 HSPF2	17 SEER2 / 11 EER2 / 8.5 HSPF2	16 SEER2 / 11.7 EER2 / 8.1 HSPF2	15.2 SEER2 / 11.7 EER2 / 7.8 HSPF2
Nominal Sizes	2 to 5 tons	2 to 5 tons	2 to 5 tons	1.5 to 5 tons	1.5 to 5 tons
Cabinet Type Designator	iM	Universal Side-Discharge	Universal Side-Discharge	iM	iM
Cooling & Heating Capacities	22.8 to 55 kBTU	22.8 to 53 kBTU	22.8 to 55.5 kBTU	17.1 to 57 kBTU	17.1 to 54 kBTU
Powered by EcoNet[®] Technology	Yes	Yes	Yes	No	No
Sound Rating⁴ (as low as)	58 dBA	50 dBA	50 dBA	73 dBA	72 dBA
Compressor Type	Inverter Driven, Variable Speed	Inverter Driven, Variable Speed Twin Rotary	Inverter Driven, Variable Speed Twin Rotary	Two-Stage	Two-Stage
Condenser Coil Type	3/8 in.	7mm	7mm	7mm	7mm
ENERGY STAR[®] Certified¹⁰	Yes	Yes	Yes	Yes	Yes
ENERGY STAR[®] Cold Climate Certified	Yes	Yes	No	Yes	No
Bluetooth Connectivity¹¹	Yes	Yes	Yes	No	No
Feature Highlights	Expanded Valve Space and Triple Service Access — Patented Refrigerant Detection System ¹⁴ — Russell by Rheem Contractor and EcoNet Apps ⁹ , built-in EcoNet and Bluetooth technology allow for easy install and diagnostics	Sound & Space Constraint Solution — Patented Refrigerant Detection System ¹⁴ — Russell by Rheem Contractor and EcoNet Apps ⁹ , built-in EcoNet and Bluetooth technology allow for easy install and diagnostics	Sound & Space Constraint Solution — Patented Refrigerant Detection System ¹⁴ — Russell by Rheem Contractor and EcoNet Apps ⁹ , built-in EcoNet and Bluetooth technology allow for easy install and diagnostics	Expanded Valve Space and Triple Service Access — Patented Refrigerant Detection System ¹⁴	Expanded Valve Space and Triple Service Access — Patented Refrigerant Detection System ¹⁴
Compatible Thermostat	EcoNet Smart Thermostat — Two-Stage 24V (Emergency Only)	EcoNet Smart Thermostat — Two-Stage 24V	EcoNet Smart Thermostat — Two-Stage 24V	Two-Stage 24V	Two-Stage 24V
Limited Warranty¹	Conditional Unit Replacement – 10 years (registration required) — Parts – 10 years	Conditional Parts – 10 years (registration required)	Conditional Parts – 10 years (registration required)	Conditional Parts – 10 years (registration required)	Conditional Parts – 10 years (registration required)

Russell[®] by Rheem Vantix[®] Line Air Conditioner Series



Keep dependably cool with the Russell by Rheem Vantix line of Air Conditioners. Each model is designed to provide high efficiency while keeping your home comfortable.

	SA19AY	SA16AY	SA15AY	SA14AY	SA13NY
Cooling Efficiencies¹² Up To:	20 SEER2 / 13 EER2	17 SEER2 / 12 EER2	16 SEER2 / 13 EER2	15.2 SEER2 / 12 EER2	13.4 SEER2 / 9 EER2
Nominal Sizes	2 to 5 tons	2 to 5 tons	1.5 to 5 tons	1.5 to 5 tons	1.5 to 5 tons
Cabinet Type Designator	iM	iM	iM	iM	iM
Cooling Capacities	22.8 to 54 kBTU	22.8 to 56 kBTU	17.1 to 56 kBTU	17.1 to 55.5 kBTU	17.1 to 55.5 kBTU
Powered by EcoNet[®] Technology	Yes	No	No	No	No
Sound Rating⁴ (as low as)	54 dBA	72 dBA	69 dBA	70 dBA	68 dBA
Compressor Type	Inverter Driven, Variable Speed	Two-Stage	Single-Stage	Single-Stage	Single-Stage
Condenser Coil Type	3/8 in.	7mm	7mm	7mm	7mm ¹³
Bluetooth Connectivity¹¹	Yes	No	No	No	No
Feature Highlights	Expanded Valve Space and Triple Service Access — Patented Refrigerant Detection System ¹⁴ — Russell by Rheem Contractor and EcoNet Apps ⁹ , built-in EcoNet and Bluetooth technology allow for easy install and diagnostics	Expanded Valve Space and Triple Service Access — Patented Refrigerant Detection System ¹⁴	Expanded Valve Space and Triple Service Access — Patented Refrigerant Detection System ¹⁴	Expanded Valve Space and Triple Service Access — Patented Refrigerant Detection System ¹⁴	Expanded Valve Space and Triple Service Access — Patented Refrigerant Detection System ¹⁴
Compatible Thermostat	EcoNet Smart Thermostat — Two-Stage 24V (Emergency Only)	Two-Stage 24V	Single-Stage 24V	Single-Stage 24V	Single-Stage 24V
Limited Warranty¹	Conditional Unit Replacement – 10 years (registration required) — Parts – 10 years	Conditional Parts – 10 years (registration required)			



A History of Innovation

As a proud member of the Rheem® Family of Brands, we continue to give homeowners and business owners the innovative products that meet their needs and budget to keep people comfortable day after day—just as we’ve done for over a century.



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Rheem Sales Company, Inc. manufactures the Russell by Rheem 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 RussellByRheem.com for a copy of the product warranty certificate. ²Refer to the chart for specific warranty terms by product. ³Residential Building Electrification in CA: Consumer economics, greenhouse gases and grid impacts, April 2019. ⁴Based on Internal R&D Testing, 2024. Sound levels are also dependent on proper installation and location of outdoor product. ⁵Applies to SP19AY, SA19AY, RD18AY and RD16AY models. ⁶Applies to the RD18AY and RD16AY models. ⁷Applies to the SP15AY, SP14AY and SA16AY models. ⁸Applies to the SA15AY, SA14AY, and SA13NY models. ⁹Wi-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. ¹⁰Proper sizing and installation of equipment is critical to achieve optimal performance. Heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit EnergyStar.gov. ¹¹Applies to the SA19AY, SP19AY, RD18AY and RD16AY models. ¹²SEER (Seasonal Energy Efficiency Rating) / EER (Energy Efficiency Ratio) / HSPF (Heating Seasonal Performance Factor): The higher the SEER / EER / HSPF rating, the more efficient the unit. ¹³5-ton models feature a 3/8 in. condenser coil. ¹⁴Factory- 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).

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