



The new degree of comfort.®

Air | Air Conditioner  
**RA20**

# YOUR HOME COMFORT IS UNDER CONTROL

The EcoNet® Enabled, Inverter-Driven Rheem® *Prestige*® Series Variable Speed Air Conditioner delivers the solid technology and energy-saving performance you've come to expect from Rheem — and with EcoNet technology, your home comfort is under control no matter where you go.

**Prestige Series RA20**  
Efficiency 20.5 SEER / 14.5 EER



## Variable-Speed Technology is Smart Comfort



When outside conditions heat up, our variable-speed technology quickly and consistently adapts to your inside cooling needs.

## Energy Efficiency & Savings

Our *Prestige* Series provides efficiencies up to 54% higher than typical air conditioning designs and an expected lifetime savings of \$3,720<sup>2</sup>. Rheem inverter-driven technology provides just the right amount of cooling under all conditions for dependable comfort and energy savings year-round.

## Quiet & Efficient Operation

By running at lower speeds throughout the day, our variable-speed model runs quieter than other systems—and by streamlining airflow and reducing vibration, we've made our models quieter than ever.

## Smart Controls & Alerts

Innovative EcoNet technology sends you important alerts and reminders to keep your system working at its best. Plus, it's easy to adjust your comfort settings from home or away<sup>3</sup>.



# Savings: Variable-Speed Efficiency

A typical variable-speed unit is capable of adjusting its capacity to meet building loads under a wide range of outdoor temperatures. Because inverter-driven solutions operate more efficiently, they actually perform better AND save on energy costs.

\*Most commonly replaced system. Energy savings shown are calculated per AHRI (Air Conditioning, Heating, and Refrigeration Institute) annual operating costs and represent directional numbers most applicable to typical cooling and heating requirements within the mid-latitudes of the U.S.

Annual Energy Cost Savings for Cooling  
10.0-SEER Baseline\*



## Inverter-Driven Comfort in Every Season

EcoNet® Enabled, Inverter-Driven Rheem® *Prestige Series* Variable-Speed Air Conditioners deliver all the **smart comfort and energy-saving performance** you expect from Rheem. With inverter technology, as the unit works to adjust to your cooling needs, indoor fan speeds sync with the compressor's speed to match air input and output. This results in a continual and efficient adjustment to your comfort needs, offering more precise all-day temperature, humidity and indoor air quality control.

The compressor found in the *Prestige Series* Air Conditioner provides **superior performance and dependability**. Variable speeds allow your unit to adapt to surrounding conditions with more precision and efficiency, avoiding temperature fluctuations that are sometimes associated with standard single-stage systems. And because your variable-speed system is efficiently adjusting to your cooling needs, it's also able to deliver humidity and indoor air quality control that is not possible with standard on / off single-stage designs.

## Energy-Saving Efficiency Meets High Performance

It's also easy to **save on energy costs** with the *Prestige Series* Air Conditioner. The variable-speed operation **outperforms single-stage systems** and provides you with a new level of adaptability and precision. While that means more comfort for your home, it also means more energy savings. The RA20 Air Conditioner maintains your home comfort when outside temperatures are as high as 107°F. If you're interested in getting the most from your unit, count on a variable-speed air conditioner from Rheem.





## Engineered for Energy-Saving Performance

The **variable-speed operation** on our *Prestige*® Series Air Conditioner knows how to efficiently keep the temperature right where it needs to be. Since it has variable speeds, it can adjust to meet non-peak cooling demands. So leave the thermostat alone and let your air conditioner do the work—for superior, money-saving performance that's always in season.

## Count on Staying Cool & Comfortable

A smart, efficient design makes the EcoNet Enabled Rheem *Prestige* Series Variable-Speed Air Conditioner one of your best options for staying cool inside. Each new unit includes a generous list of features that work together to bring you quiet, efficient and dependable indoor comfort.

### Dependable & legendary

① **Variable-Speed Copeland Scroll™ compressor<sup>4</sup>** technology makes the *Prestige* Series as efficient as it is durable. The compressor, outdoor fan and indoor fan adjust with the changing outdoor conditions to provide the perfect temperature and greater dehumidification. The compressor also has 70% fewer moving parts—which means you get a unit that's more efficient and more dependable. The ② **optimized fan orifice** contributes to quieter operation, optimal airflow, and better overall performance. Simply put, you get efficient comfort that lasts a very long time.

### A quieter & more durable unit

Our smart new ③ **composite base pan** design helps eliminate corrosion and adds to quieter performance. Extensive UV testing was done to ensure the base pan stays looking new for years to come. Our improved refrigerant tubing design also contributes to a quieter, more reliable operation. For added strength, ④ **curved louver panels** and ⑤ **rugged corner posts** on the exterior do an excellent job of protecting the inside.

### Curb appeal

Our air conditioners look as good as they operate. Modern cabinet aesthetics allow your unit to put its best face forward, and a powder coat paint system provides a lasting, professional finish.

### Fast & accurate installation & maintenance

Your savings start with the installation of your new unit. Our *Prestige* Series Air Conditioners are built to go in fast and easy. The control box is also easy to access, and a roomy diagnostic service window means maintenance calls go quickly, saving you time and money.

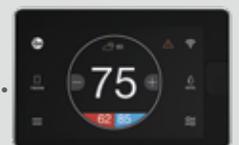


The *Prestige* Series RA20 Variable-Speed Air Conditioner is designed to operate with the EcoNet Smart Thermostat. This easy-to-use thermostat optimizes system performance and includes great features like:

- Simple scheduling and one-touch energy savings
- Remote access via the EcoNet App
- Important equipment alerts sent directly to your phone or email
- Convenient voice control – just ask “Alexa, make home cooler”<sup>5</sup>



EcoNet Mobile App



EcoNet Smart Thermostat





## Our Philosophy of Innovation

We meticulously evaluated every detail of this product from every angle, considering the work that goes into installing and servicing our products, as well as how we can deliver the very best homeowner experience. And then we take it a step further. That's 360°+1. And that's why you can count on your air conditioner to bring you and your family years of comfort.



## How to Speak Heating & Cooling

### Two-Stage

Two levels of operation, which saves energy during non-peak cooling demands.

### Three-Stage

More than one level of operation—low, medium and high—which saves energy during non-peak cooling demands.

### Variable-Speed

Varying levels of operation based on cooling needs. This modulating technology provides more precise temperature control, lower humidity and greater efficiency.

### Efficiency

Description for how effectively incoming energy is converted to outgoing energy. The higher the number, the more efficient the unit—and the lower the operating costs.

### SEER

Seasonal Energy Efficiency Rating is used to express the efficiency of an air conditioning unit, or an air conditioner in cooling mode. The higher the SEER rating, the more efficient the unit.

### EER

Energy Efficiency Ratio is the cooling capacity of the air conditioner in BTUs per hour to the total electrical input in watts. This measure is determined by comparing test units to the Air Conditioning, Heating, and Refrigeration Institute specifications.

### Compressor

The compressor plays an integral role in cooling your home. It is the device responsible for pumping refrigerant through the refrigerant lines and the coil, making the transfer of heat from inside your house to the outdoors possible.

## Ready to upgrade or replace your old system?

Visit [Rheem.com](http://Rheem.com) today to learn more.

### Benefits At-A-Glance

**Cooling Efficiency:**  
20.5 SEER / 14.5 EER

**Sound Level:**  
Features like our smart new composite base pan contribute to quieter operation

**Estimated Lifetime Savings<sup>2</sup>:**  
\$3,720

**Compressor<sup>4</sup>:**  
Inverter-driven, Copeland Scroll™ compressor

**Limited Warranty<sup>6</sup>:**  
Parts—10-year  
Conditional unit replacement—10-year



Rheem Heating, Cooling & Water Heating

As the only brand bringing innovative air and water solutions to homes and businesses around the world, Rheem® continues to deliver advanced comfort, savings and experiences to our customers—just as we've done for nearly 100 years.

To learn more about our products, including our line of Integrated Home Comfort Solutions, visit us at [Rheem.com](http://Rheem.com)



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

[Rheem.com](http://Rheem.com)

YOUR LOCAL RHEEM CONTRACTOR

<sup>1</sup>Proper 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® criteria. Ask your contractor for details or visit [www.EnergyStar.gov](http://www.EnergyStar.gov). <sup>2</sup>As compared to standard 10 SEER-rated units, and annual savings of a 5-ton model multiplied by 10-year warranty. <sup>3</sup>WiFi 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. <sup>4</sup>Copeland Scroll is a trademark of Emerson Electric Co. or one of its affiliated companies. <sup>5</sup>Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. <sup>6</sup>For complete details of the limited and conditional warranties, including applicable terms and conditions, contact your local Contractor or go to [Rheem.com](http://Rheem.com) for a copy of the product warranty certificate. Conditional warranties must be registered through RegisterMyUnit.com.

