



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 offers 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.

**RA20 *Prestige*™ Series**  
Efficiencies up to: 20 SEER / 13 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 and Savings

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

### Quiet and 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 and Alerts

This 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.



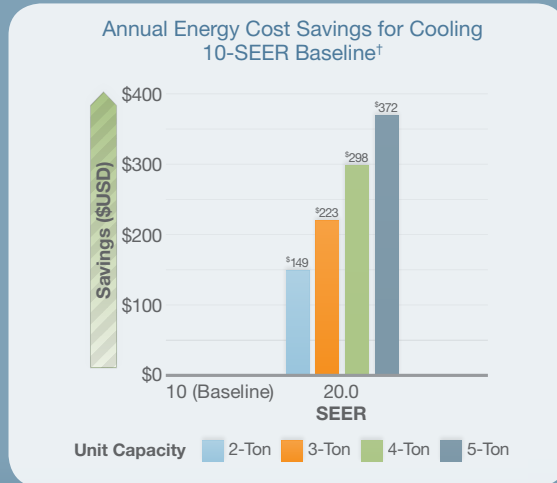
INTEGRATED HOME COMFORT

**Rheem.com**

# 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.

<sup>†</sup>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.



## 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 reliability**. 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 overdrive feature on 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 a superior, money-saving performance that's always in season.

### Count on Staying Cool and 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 reliable indoor comfort.

The reliable and legendary **1 Variable-Speed Copeland Scroll™ compressor\*\*\*** 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 reliable. 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 and more durable unit starts with our smart new **3 composite base pan**. The design helps eliminate corrosion and adds to quieter performance. Extensive UV testing was done to ensure that 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 protecting the inside.

**Curb appeal** is not lost on our new *Prestige* Series. 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 and accurate installation and maintenance** means 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 RA20 *Prestige* Series Air Conditioner is designed to operate with the EcoNet Smart Home System. EcoNet technology combines select Rheem Heating, Cooling and Water Heating solutions into one integrated network so you'll receive important alerts and notifications about your home comfort systems. Plus, you can adjust settings for efficiency and comfort from anywhere with the control center, free mobile app or mobile-friendly web portal.



# We Thought of Everything... And Then Some

The EcoNet™ Enabled Rheem Prestige™ Series Variable-Speed Air Conditioners were developed using our 360°+1 design philosophy, which means every detail of the product is meticulously evaluated from every angle. We consider 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 Rheem Air Conditioning unit to bring you and your family years of comfort.



## How to Speak HVAC

What's your stage?

### 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.

When it's time to upgrade or replace your system, Rheem makes it easy. Our full line of energy-efficient air conditioners are built for your comfort – helping your family stay the perfect degree of comfortable while saving on energy and maintenance costs.

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

## Benefits At-A-Glance

**Cooling Efficiency**  
Up to 20 SEER/13 EER

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

**Estimated Lifetime Savings**  
\$3,270

**Compressor**  
Inverter-driven, Copeland Scroll™ compressor

**Limited Warranty\***  
Parts – 10-year  
Conditional unit replacement – 10-year



Rheem Heating, Cooling & Water Heating

Founded in 1925, our mission is still simple: help your family enjoy a new degree of comfort with solutions that keep you cool in the summer, warm in the winter and enjoying hot water year-round. To learn more about our products, including our line of Integrated Home Comfort Solutions, visit us online at [Rheem.com](http://Rheem.com).



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

**YOUR LOCAL RHEEM CONTRACTOR**

\*Purchase and installation of EcoNet™ WiFi Kit and EcoNet Control Center required; WiFi broadband Internet connection required; must be paired with EcoNet Enabled Gas Furnace or Air Handler.

\*\*As compared to standard 13 SEER-rated units, and annual savings of a 5-ton model multiplied by 10-year warranty.

\*\*\*Copeland Scroll is a trademark of Emerson Electric Co. or one of its affiliated companies.

†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](http://registermyunit.com).

‡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).

