



The new degree of comfort.™

# A STEP UP IN COMFORT

The EcoNet® Enabled\*, inverter-driven Rheem *Classic Plus*® Series Three-Stage Heat Pump offers the solid technology and energy-saving performance you've come to expect from Rheem. The quiet comfort is definitely a step up in comfort – for your entire family.

## RP17 *Classic Plus*® Series

Cooling Efficiencies up to: 18.5 SEER / 13 EER

Heating Efficiencies up to: 8.5 HSPF



### Three-Stage Technology is Smart Comfort



With three-stage technology, you can rely on your heat pump to quickly and consistently adapt to your heating and cooling needs no matter the conditions outside.

### Exceptional Quality and Reliability

Our *Classic Plus* Series includes features that help fight corrosion, reduce leaks and enhance the overall strength of your heat pump. It's also backed by a 10-year parts and 10-year conditional unit replacement warranty.\*\*

### EcoNet

This innovative technology allows you to control your comfort from home or away.



# Savings: Three-Stage Efficiency

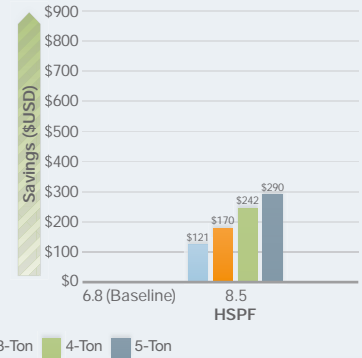
A typical three-speed unit is capable of adjusting its capacity to meet building loads under a wide range of outdoor temperatures. Because inverter-driven solutions operate more efficiently, they actually perform better AND save on energy costs.

\*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-SEER Baseline\*



Annual Energy Cost Savings for Heating  
6.8-HSPF Baseline\*



## Inverter-Driven Comfort in Every Season

EcoNet® Enabled, inverter driven Rheem *Classic Plus*® Series Three-Stage Heat Pumps deliver all the smart comfort and energy saving performance you expect from Rheem. With inverter technology, as the three-stage compressor speed varies, 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 *Classic Plus* Series Heat Pump provides superior performance and reliability. Three stages allow your unit to adapt to surrounding conditions with more precision and efficiency, avoiding extreme temperature fluctuations that are sometimes associated with standard single-stage systems. And because your three-stage system is efficiently adjusting to your heating and 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 *Classic Plus* Series Heat Pump. The three-stage 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 RP17 Heat Pump provides the extra heat needed on those cold winter days and nights, reducing the costly expense of auxiliary heating. In fact, the RP17 is capable of meeting heat building loads down to approximately 7° F. If you're interested in getting the most from your unit, count on a three-stage heat pump from Rheem.





## Engineered for Energy-Saving Performance

- The **three-stage operation** on our *Classic Plus*® Series Heat Pump knows how to efficiently keep the temperature right where it needs to be. Since it has three stages to choose from, it can adjust to meet non-peak heating and cooling demands. So leave the thermostat alone and let your heat pump do the work, for a superior, money-saving performance that's always in season.

## Count on Staying Comfortable in Every Season

A smart, efficient design makes the Rheem *Classic Plus* Series Heat Pump one of your best options for staying comfortable inside. Each new unit includes a generous list of features that work together to bring you quiet, efficient and reliable indoor comfort.

Reliable and legendary **1 scroll compressor** technology makes the *Classic Plus* Series as efficient as it is durable. The **2 optimized fan orifice** also contributes to quieter operation, optimal airflow and better overall performance. Simply put, you get efficient comfort that lasts a very long time. And built-in defrost capabilities mean less time defrosting and more time warming your home.

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 the base pan stays looking new for years to come. Our enhanced mufflers and improved refrigerant tubing design also contribute 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 *Classic Plus* Series. Our heat pumps 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 *Classic Plus* Series Heat Pumps 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 RP17 *Classic Plus* Series Heat Pump 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 can effortlessly manage home comfort and energy usage from anywhere with the control center, free mobile app or mobile-friendly web portal.



# Why Rheem?

## Relationship, Dedication and Innovation

Rheem makes customers our first priority. Our approach as a company is to keep the dialogue ongoing and to listen. Then act. The innovations we've developed throughout the years in both the HVAC and water heating industries are a direct result of that process. And we have a long list of industry firsts to show for it, with more to come.



## How to Speak HVAC

What's your stage?

### Single-Stage

One level of operation, with no differentiation between peak or non-peak heating and cooling demands.

### Three-Stage

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

### 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.

### HSPF

Heating Seasonal Performance Factor is used to express the efficiency of heat pumps. The higher the HSPF, the more efficient the unit.

Nice HSPF!

### SEER

Seasonal Energy Efficiency Rating is used to express the efficiency of an air conditioning unit, or a heat pump 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 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 heat pumps 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 18.5 SEER/13 EER

#### Heating Efficiency

Up to 8.5 HSPF

#### Sound Level

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

#### Compressor

Inverter-driven, three-stage 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 heat pump or air conditioner.

\*\*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 [EnergyStar.gov](http://EnergyStar.gov).

