

Infinity[®] Series

Heat Pumps



turn to the experts[™]



INFINITY[®] SERIES

Two-Stage, Extra-Efficient Heat Pumps
with up to 19.0 SEER and up to 9.5 HSPF



LEARN MORE AT
energystar.gov

What Efficiency Means to You

Heat pumps are powered by electricity. You can compare efficiencies of different heat pump models by checking the HSPF (Heating Seasonal Performance Factor) and SEER (Seasonal Energy Efficiency Ratio) ratings, available through your dealer or manufacturer web sites. The published ratings provide a standardized method for comparing how much heating or cooling comfort you get for the electricity you use.

Using these ratings is a lot like miles per gallon for your car – the higher the number, the more efficient the product and the greater potential for savings. Actual heat pump performance will vary based on the age and condition of your home, personal comfort preferences, weather patterns in your area and much more.

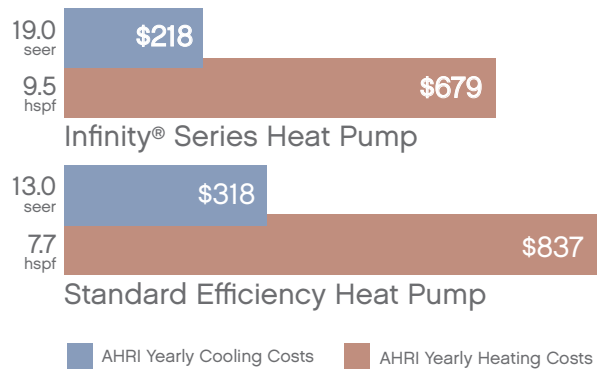
So when you are comparing heat pumps, be sure to look at both HSPF (winter efficiency) and SEER (summer efficiency) before you make your decision.



Extra-Efficient Heat Pump Designed with Your Comfort in Mind



Greater Operational Efficiency



Infinity® series two-stage heat pumps offer plenty of potential for annual savings during both heating and cooling operation. When compared to a standard efficiency heat pump (13.0 SEER/7.7 HSPF), you can save up to \$100 a year in cooling and up to \$158 a year in heating.^{††} And, if you are replacing an older, less efficient model, the savings can be even more significant.

^{††}Values based on AHRI method for estimated operating cost using U.S. average heating and cooling hours in 2011.



Infinity two-stage heat pumps offer a range of efficiencies up to 19.0 SEER and up to 9.5 HSPF to potentially reduce your energy usage and environmental impact.

Innovation and the Environment

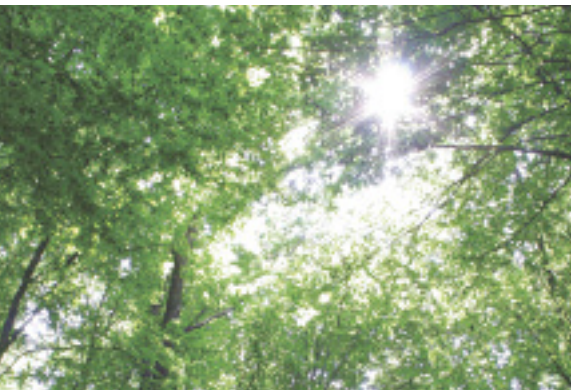
Over 100 years ago, a humble but determined engineer solved one of mankind's most elusive challenges by controlling the indoor environment. A



leading engineer of his day, Dr. Willis Carrier would file more than 80 patents over the course of his career. His genius would enable incredible advancements in health care, manufacturing processes, food preservation, art and historical conservation, indoor comfort and much more.

Carrier's foresight changed the world forever and paved the way for over a century of once-impossible innovations. Yet in addition to being an accomplished inventor, he was also an avid outdoorsman. Carrier recognized the power and beauty of the natural environment. This appreciation of our world and its resources continues to guide Carrier Corporation today. We will never rest on our accomplishments, but instead consistently look for ways to improve our products, our environment and our world.

Carrier® Infinity® series two-stage heat pumps offer proof of this commitment by delivering reduced energy usage and enhanced comfort control in the environment that matters most – your home.



Leaders in Technology



As an ENERGY STAR® partner, Carrier Corporation has determined that the Infinity series heat pumps meet ENERGY STAR guidelines for energy efficiency.

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 dealer for details or visit www.energystar.gov.

1 Extra-Consistent Comfort

Standard systems mindlessly blast heated or cooled air at one speed before shutting off, which can lead to widely fluctuating temperatures. The Infinity® series heat pumps with two-stage scroll compressors, when properly matched with a Carrier® compatible indoor unit, run on low-stage up to 80% of the time to maintain consistent comfort. Two-stage operation also contributes to reduced energy usage, helping achieve up to 19.0 SEER cooling efficiency and up to 9.5 HSPF heating efficiency.

2 Environmentally Sound Refrigerant

Carrier led the industry by incorporating non-ozone-depleting Puron® refrigerant into heat pumps back in 1996. Millions of Puron refrigerant units in operation today are a testament to the reliability, durability and enduring quality of these products.

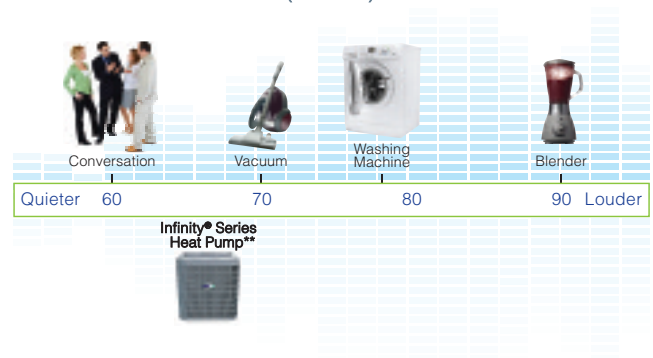
3 Maximum Comfort and Peace of Mind

By combining the intuitive Infinity control with the Infinity control board in the heat pump itself, Carrier puts maximum comfort at your fingertips. You control temperature schedules, heating, cooling, humidification, dehumidification, fan speeds and more, all from one easy-to-use control on the wall in your home. This system monitors heat pump functions, makes adjustments to maximize performance and provides maintenance reminders on the Infinity control.

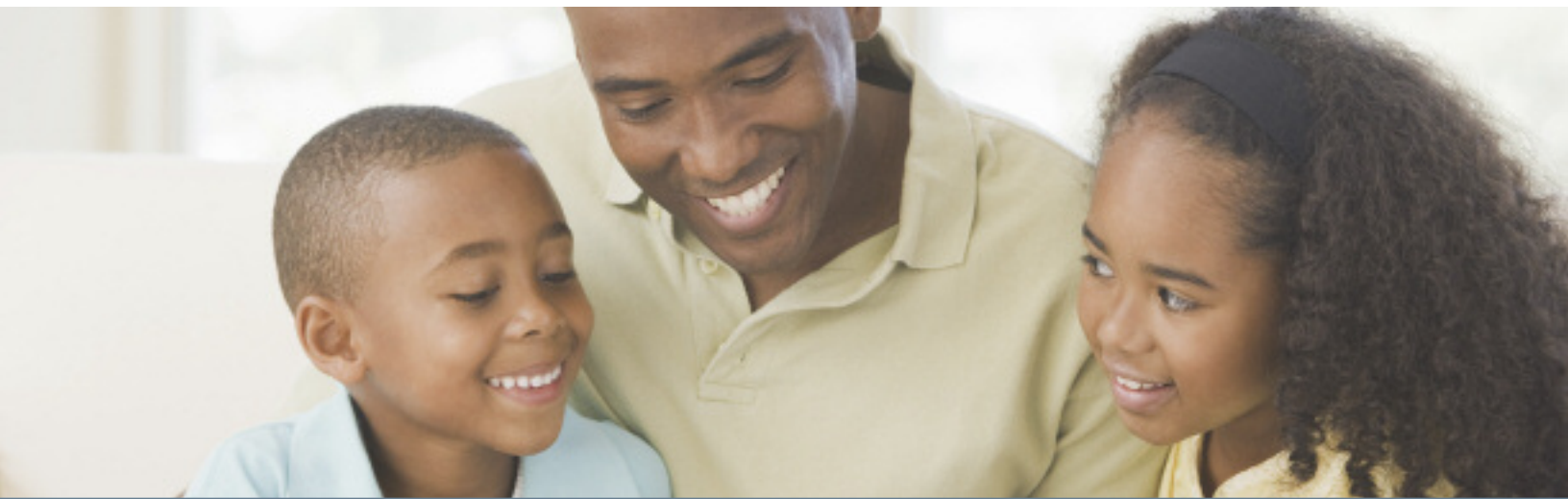
4 Quiet Operation

Infinity series heat pumps quietly cool your home with sound levels as low as 66 dBA. Our exclusive Silencer System II™ features a silencer top, integrated fan motor, forward-swept fan blades, compressor vibration isolator plate, sound hood and split-post compressor grommets to help deliver quiet operation by maximizing airflow and minimizing vibration.

Comparison Sound Ratings (decibels)



** Per standard testing as described by ARI 270-95. Other sound levels, mentioned for comparison, as published at http://www.noisyplanet.nidcd.nih.gov/SiteCollectionDocuments/Bookmark_2up.pdf.



Limited Warranty

To the original owner, the Carrier Infinity series two-stage heat pumps are covered by a 10-year parts limited warranty upon timely registration. The limited warranty period is five years if not registered within 90 days of installation. Jurisdictions where warranty benefits cannot be conditioned on registration will receive the registered limited warranty period. See warranty certificate at carrier.com for complete details and restrictions. Be sure to ask your Carrier dealer about optional labor warranties.

It's About Your Comfort

The Carrier® Infinity® series heat pumps represent years of design, development and testing with one goal in mind – making you more comfortable. We have taken the lead in creating new technologies that deliver the comfort and efficiency you deserve while staying ahead of industry trends and global initiatives.

All year long, humidity affects the temperature at which you feel most comfortable. That's why Carrier Ideal Humidity System® technology plays such an important role in your comfort. When you add the Infinity control, Carrier humidifier and variable-speed furnace or fan coil to



Ideal Humidity

the Infinity heat pump, Ideal Humidity System technology allows you to control humidity levels even when your system isn't actively heating or cooling.† You'll feel cooler at higher temperatures in the summer and warmer at lower temperatures in the winter.

The Carrier HYBRID HEAT® dual fuel system delivers peace of mind to homeowners concerned about the unpredictable nature of utility costs. This system pairs a gas furnace with an electric heat pump and compatible thermostat to provide



comfort, economy and flexibility. Your Carrier HYBRID HEAT dual fuel system will automatically switch between electric and gas heating as needed to keep your home comfortable all winter long while optimizing the efficiencies of each fuel source.

Carrier's exclusive Comfort® heat pump system features two stages of heating – high and low. The heat pump, when properly matched with a compatible indoor unit and



compatible thermostat, operates on low-stage up to 80% of the time, resulting in more even, consistent temperature, greater air circulation and improved air quality.

Uncompromising Quality

You don't lead an industry for more than 100 years by accident. Carrier has maintained its position and reputation through diligent, uncompromising quality control at every stage of a product's life – from concept to completion. Once our product is installed at your home, you can be confident that durable construction and built-in reliability features ensure your comfort for years to come.

- Built-in reliability: Forward-swept fan blades enhance performance and maximize sound reduction. Smart electronics that monitor system operation and a compressor-protecting filter drier help keep critical components operating at their best.
- Durability: WeatherArmor™ Ultra protection shields the outdoor unit from hail, errant soccer balls, lawn equipment and other hazards. Our combination of a galvanized steel cabinet, louvered coil guard and baked-on powder paint provides superior rust protection and keeps your system looking its best for years.



† Ideal Humidity System technology continually monitors indoor humidity, indoor temperature and outdoor temperature, and has the ability to turn on your comfort system just for dehumidification in the cooling season or humidification in the heating season.



Puron® refrigerant is environmentally sound and won't deplete the ozone layer. Carrier systems with Puron refrigerant set the standard for environmentally sound heat pump and air conditioner performance well ahead of industry competitors. Today, Carrier heat pumps and air conditioners using Puron refrigerant show exceptional reliability and are a testament to our industry leadership.

Carrier® Systems for Unmatched Performance in Every Season

Willis Carrier's meticulous attention to quality and detail led to a major culture shift in the way we live indoors. More than a century later, Carrier Corporation operates with a unique willingness to develop new technology, the confidence to revise proven designs and the ability to deliver results with every new installation.

Part of that equation is our nationwide network of experts you can turn to for all of your indoor comfort needs. Your local Carrier dealer is well equipped to evaluate your home – everything from size, window placement, ductwork, venting and other structural specifics – and create a customized system designed around your lifestyle. So when it's time to make a choice for your family's comfort, make the best decision you'll ever make – Carrier – and let the experts do the rest.



- A. Heat Pump
- B. Fan Coil
- C. Air Purifier
- D. Ventilator
- E. Humidifier
- F. Zoning
- G. UV Lamp
- H. Infinity Control

The Total Indoor Comfort System

Infinity® Heat Pump provides reliable, energy-efficient heating and cooling for long-lasting comfort and energy savings.

Infinity Fan Coil is the indoor section of your heat pump and should be properly matched to the outdoor unit for improved efficiency and long-term reliability.

Infinity Air Purifier improves air quality by capturing and killing airborne bacteria and viruses and other irritating airborne pollutants in your home.

Ventilator combines fresh outdoor air with conditioned indoor air for improved air quality and maximum efficiency – great for today's tightly constructed home.

Humidifier replenishes moisture to dry air.

Zoning sets different temperatures for up to eight different areas of your home for truly customized comfort and enhanced utility savings.

UV Lamp inhibits the growth of contaminants on the indoor coil, leaving your home with cleaner, fresher indoor air.

Infinity Control is more than just a thermostat. It's your interface to the Infinity system that allows you to control temperature, humidity, air quality, fan speed and ventilation.

Models 25HNB9, 25HNB6
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