Infinity® 20

Heat Pump with Greenspeed™ Intelligence

Carrier®
turn to the experts℠

Variable-Speed, Ultra High-Efficiency Heat Pump
with up to 20.0 SEER and up to 13.0 HSPF

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.

The Infinity® 20 heat pump with Greenspeed™ intelligence offers proof of our convictions, delivering unprecedented heating efficiency, superior performance, and the ability to make your home a more comfortable place to live.

Leaders in Technology

6 greenspeed™ INTELLIGENCE

As an ENERGY STAR® partner, Carrier Corporation has determined that the Infinity 20 heat pump meets 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 Industry-Leading Efficiency

Carrier delivers unprecedented heat pump heating efficiency of up to 13.0 HSPF. While others play catch-up, you can enjoy significant savings now thanks to inverter-driven variable-speed operation that precisely matches heat pump performance to comfort needs.

2 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® 20 heat pump with variable-speed scroll compressor, when properly matched with a Carrier® compatible indoor unit, maintains extra-consistent comfort in your home by more closely matching heating and cooling requirements.

3 Environmentally Sound Refrigerant

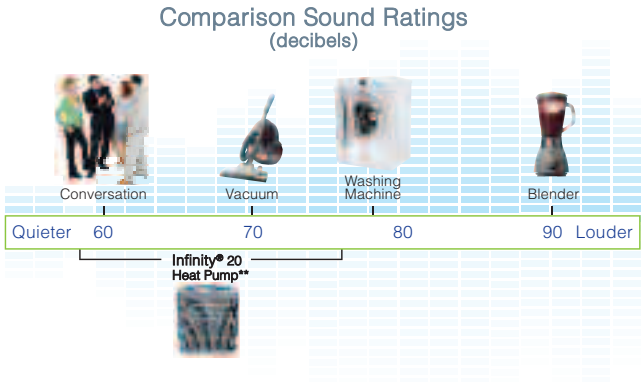
Carrier led the industry by incorporating non-ozone-depleting Puron® refrigerant into heat pumps back in 1996. Millions of Puron refrigerant units in operation today exemplify the reliability, durability and enduring quality of these products.

4 Maximize Your Comfort

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 comfort schedules, heating, cooling, humidification, dehumidification, fan speeds and more, all from one easy-to-use control on the wall in your home.

5 Quiet Operation

The Infinity 20 heat pump operates within a range of sound levels between 62 dBA and 76 dBA in heating mode and as low as 58 dBA in cooling mode. 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.



6 Peace of Mind

Greenspeed™ intelligence monitors several critical system functions and adjusts operation to maximize performance and system reliability. With built-in protection features and Carrier quality testing, you can be confident with your comfort.

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

10 YEAR LIMITED WARRANTY

Limited Warranty

To the original owner, the Carrier® Infinity 20 heat pump is 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® 20 heat pump represents 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.

As part of the Infinity system, our Infinity 20 heat pump with Greenspeed™ intelligence precisely matches conditions both indoors and out. It provides the most comfort for the lowest operating cost so you don't have to pay for heating and cooling you just don't need. As a result, it achieves up to an unprecedented 13.0 HSPF heating efficiency – 29% better than our nearest competitor and an amazing 68% better than standard units.†

greenspeed™ INTELLIGENCE

Greenspeed intelligence also delivers heating when lower outdoor temperatures have forced other systems to switch to an auxiliary heat source in the winter while providing comfort enhancing dehumidification in the summer.

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 the Infinity 20 heat pump, Ideal Humidity System technology allows you to control humidity levels even when your system isn't calling for heating or cooling.†† You'll feel cooler at higher temperatures in the summer and warmer at lower temperatures in the winter.

IdealHumidity™

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.

Heats. Cools. Saves. HYBRIDHEAT®

† Based on 3-ton ducted air source heat pump system combination as of October 28, 2011.

†† 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 and humidification in the heating season.

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.

Puron® the environmentally sound refrigerant

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.

What Efficiency Means to You

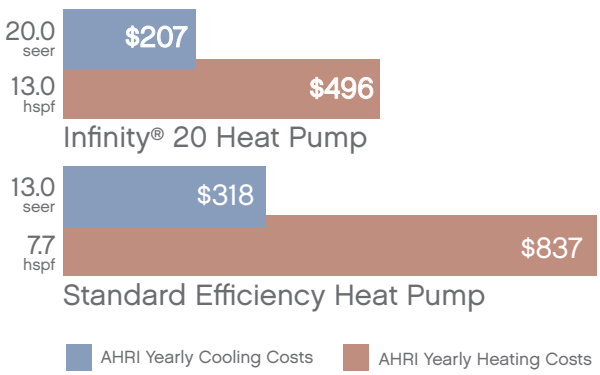
Heat pumps are powered by electricity. You can compare efficiencies of different heat pump models by checking the HSPF (Heating Seasonal Performance Factor) and SEER (Seasonal Energy Efficiency Ratio) ratings, available through your dealer or manufacturer web sites. The published ratings provide a standardized 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). And when you are comparing against the Infinity® 20, you'll find there really is no comparison.

Ultra High-Efficiency Heat Pump Designed with Your Comfort in Mind

Greater Operational Efficiency



The Infinity 20 heat pump offers 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 $111 a year in cooling and up to $341 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.

UP TO 13.0 HSPF RATING

UP TO 20.0 SEER RATING

The Infinity 20 heat pump with Greenspeed intelligence is among the most energy-efficient products of its type with up to an unprecedented 13.0 HSPF heating efficiency and up to 20.0 SEER cooling efficiency.

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.

Model 25VNA0
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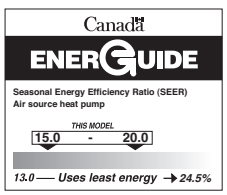

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AHRI CERTIFIED

Always look for these symbols, the heat pump industry seals of certified performance, efficiency and capacity.

Always Ask For FACTORY AUTHORIZED PARTS

www.carrier.com 1-800-CARRIER

A member of the United Technologies Corporation family. Stock Symbol UTX.

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

Carrier®
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