

# Infinity™ 15 Packaged Heat Pump System With Puron® Refrigerant



Turn to the Experts.™

INFINITY™ SERIES



High-Efficiency Packaged Heat Pump with up to 15.0 SEER and up to 8.0 HSPF

## Efficiency

Because the Infinity™ 15 packaged heat pump provides both heating and cooling, its efficiency is measured with two distinct ratings. SEER is used to measure cooling efficiency, while HSPF measures heating efficiency.

- SEER and HSPF are like gas mileage. The higher the rating, the more efficient the automobile or system is. The Infinity 15 has up to a 15.0 SEER rating and up to an 8.0 HSPF rating.
- While higher efficiency systems may cost more initially, they pay for themselves in utility cost savings over their lifetime.
- Carrier Corporation has determined that the Infinity 15 meets ENERGY STAR® guidelines for energy efficiency.

UP TO  
**15.0**  
SEER  
RATING



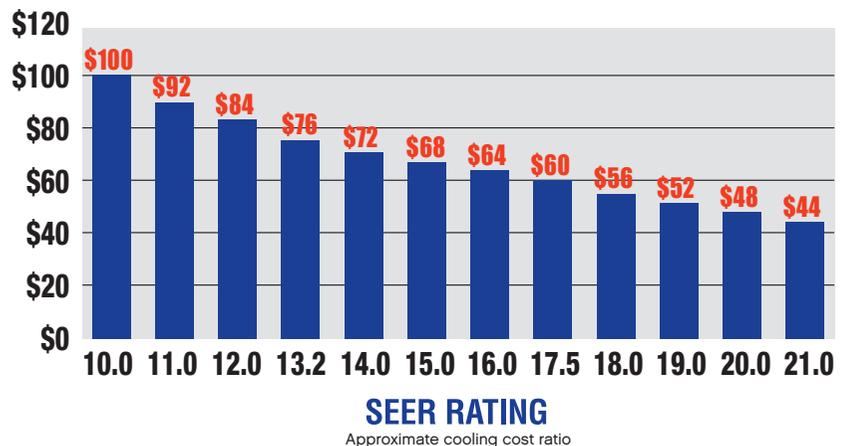
Proper sizing and installation of equipment is critical to achieve optimal performance. Ask your dealer for details or visit [www.energystar.gov](http://www.energystar.gov).

## High-Efficiency Packaged Heat Pump System Designed with Your Comfort in Mind



## Greater Operational Efficiency

For every \$100 spent to cool your home using a 10.0 SEER packaged heat pump, a 15.0 SEER packaged heat pump should cost approximately \$68. Actual savings will vary depending on the efficiency of your current system.



# Things to Consider Before You Buy

## Puron® Refrigerant

Puron refrigerant is environmentally sound and won't deplete the ozone layer. Carrier introduced Puron refrigerant a full six years ahead of the competition, paving the way for the future. The Clean Air Act of 1990 prohibits the production of traditional HCFC-based air conditioners and heat pumps by 2010, and bans Freon®-22\* production by 2020. As Freon® production declines, its cost may increase. Freon®-12 in the



automotive industry increased by a whopping 800% seven years after its phase-out! Ensure your heating and cooling costs by investing in systems with Puron refrigerant – environmentally sound, efficient and dependable refrigerant designed for the future. The Carrier® Infinity™ 15 packaged heat pump with Puron refrigerant delivers excellent reliability and proven performance.

## Comfort

Carrier specializes in creating a customized home comfort system tailored to your needs with our broad selection of residential heating and cooling products. Your Carrier dealer can help you choose the best system for your home, including an Infinity 15 packaged heat pump and Carrier-exclusive features that further enhance your indoor environment.

- The revolutionary Infinity™ System is the only system in the industry that allows you to control temperature, humidity, air quality, fan speed and ventilation, and even detects when your air filter needs to be replaced. It's so advanced it automatically adjusts to your system's needs for peak efficiency and performance. It provides ultimate control for all of your home system components.
- Bothered by that dry, "stacky" feeling in the winter or that muggy feeling in the summer? Add a Carrier humidifier and

Infinity™ Control to your variable speed packaged system for greater comfort with Ideal Humidity System® technology. Ideal Humidity controls your home's humidity level even when the system isn't actively cooling.† By keeping the proper balance of moisture in your home, you remain more comfortable at higher temperatures in the summer and lower temperatures in the winter.



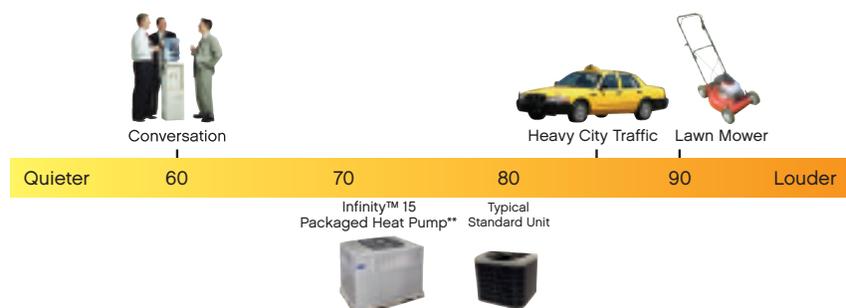
*IdealHumidity*

## Sound

At Carrier, we think home comfort systems should work quietly, letting you relax without a lot of background noise. The Infinity 15 packaged heat pump has sound ratings as low as 72 dBA.\*\* At Carrier, we believe home comfort shouldn't be at your ears' expense.

## Comparative Sound Ratings

(decibels)



\* Freon is a registered trademark of E. I. DuPont de Nemours & Co.

† 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.

\*\* Per standard testing as described by ARI 270-95. Other sound levels, mentioned for comparison, as published at <http://www.nidcd.nih.gov/health/hearing.ruler.asp>.

# Carrier® Systems for Unmatched Performance

**Air Cleaner** improves air quality by removing harmful and irritating airborne pollutants from your 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.



**Infinity™ Control** is the interface to the Infinity™ System. The Infinity System is the only system in the industry that allows you to control temperature, humidity, air quality, fan speed and ventilation.

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

**Infinity™ 15 packaged heat pump** is designed to use environmentally sound Puron® refrigerant and electricity for economical utility costs throughout the year.



## Reliability

At Carrier, your comfort is our business. That's why we have one of the most extensive product research and development facilities in the world. Within each step of the development process, from the design phase to finished products, we test each and every product to ensure its performance is up to our standards. Infinity 15 packaged heat pump systems are tested for applications up to 125 degrees. That's a full 10 degrees higher than industry standards. And, Carrier systems have one of the lowest failure rates in the industry.

## Durability

Neither rain nor hail nor golf or soccer balls can keep a Carrier system from doing its job – it's built tough, inside and out.

### Outside

- Galvanized steel cabinet protects against corrosion, keeping your packaged heat pump looking good for years.
- Louvered grille protects the coil against potential hazards often associated with outdoor installation such as rocks, sticks and garden equipment.
- Carrier's innovative base combines a high-tech composite interior for light weight and corrosion resistance with outer base rails for structural integrity and easier handling and rigging for your installing dealer. The sloped drain pan design improves drainage and helps inhibit mold, algae and bacterial growth.

- Three separate access panels make installation and routine maintenance easier.

### Inside

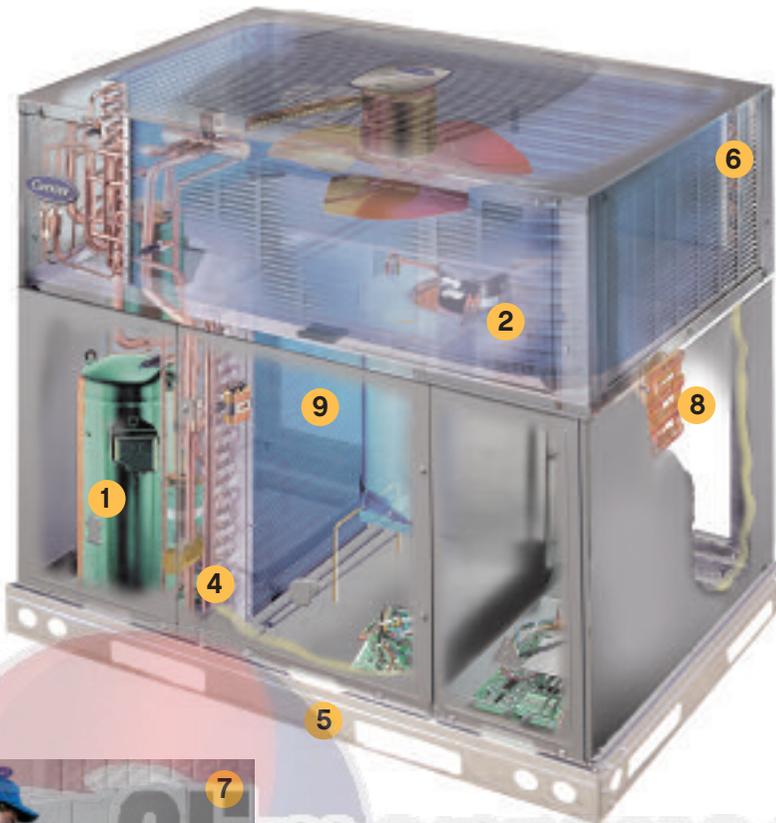
- High- and low-pressure switches turn your system off if harmful conditions are detected.
- Filter drier helps keep the refrigerant system free from excess moisture and debris.
- Thermostatic™ Expansion Valve consistently monitors refrigerant flow for peak operating conditions.

INFINITY™ SERIES

## Technology

**Puron refrigerant** – environmentally sound, replaces Freon-22\* and won't deplete the ozone layer.

- 1 **Compressor** – as the heart of the comfort system, this Puron refrigerant-compatible two-stage compressor is available for single- and three-phase operation for reliable, quiet, high-efficiency comfort.
- 2 **Variable speed blower motor** – allows the system to work at optimal fan speeds for a variety of conditions while improving indoor humidity and air quality.
- 3 **Infinity™ Control** – allows precise temperature and humidity control with programmable features to further customize your comfort.
- 4 **Thermostatic™ Expansion Valve** – consistently monitors refrigerant flow for peak operating conditions.
- 5 **Innovative base** – On the inside, a high-tech composite material will not rust. Sloped drain pan improves drainage to help inhibit mold, algae and bacterial growth. Outside, metal base rails provide added stability as well as easier dealer handling and rigging.
- 6 **Galvanized steel cabinet with louvered grille** – protects the coil against potential hazards often associated with outdoor installation such as rocks, sticks and garden equipment.
- 7 **All-in-one versatility** – with most models weighing less than 500 pounds, this system gives you the flexibility for rooftop installation when space is a concern.
- 8 **Optional electric strip heater** – adds an electric-resistance heating element to maintain your comfort during extreme outdoor conditions. Offered in a variety of sizes to meet most heating needs.
- 9 **Optional ArmorCoat™ tin-plated coil** – provides superior corrosion resistance compared to our standard copper tube/aluminum fin coil for longer life. Tin-plated coil is backed with a 10-year limited warranty.



## Specifications

Small Packaged	Infinity™ Controls Capable	Standard Variable Speed Fan	Ideal Humidity System™ Technology	Thermostatic Expansion Valve	Puron® Refrigerant	SEER	HSPF Heating Seasonal Performance Factor	EnviroTuff™ Base	ENERGY STAR®
Infinity™ 15	✓	✓	✓	✓	✓	15.0	8.0	✓	✓
Performance™ Series				✓	✓	14.0	8.0	✓	✓
Comfort™ Series*				✓	✓	13.0	7.7	✓	

## Limited Warranty

To the original owner, the Carrier® Infinity™ 15 packaged heat pump system is covered by a 10-year parts limited warranty upon timely registration of your new equipment.\* Copper indoor evaporator coil is covered by a five-year parts limited warranty. Optional tin-plated evaporator coil is covered by a 10-year parts limited warranty. Ask your Carrier dealer about optional extended warranties, which may include labor.

\* Warranty period is five-year parts limited warranty if not registered within 90 days. Jurisdictions where warranty benefits cannot be conditioned on registration will automatically receive a 10-year parts limited warranty. See warranty certificate at carrier.com for complete details.

\* Freon is a registered trademark of E. I. DuPont de Nemours & Co.





## Turn to the Experts

Willis Carrier invented air conditioning in 1902. Over 100 years later, we're proud to say Carrier® systems are trusted in more homes than any other brand.

Carrier continues to be on the forefront of innovative engineering and unsurpassed standards of excellence. So when choosing a home comfort system, you'll want to turn to the experts. Your Carrier dealer will evaluate your home, such as window placement and size, ductwork, other structural specifics and lifestyle to provide a customized indoor comfort plan designed specifically for you. And when you have an expert helping you make an educated decision, you're going to feel more comfortable.



Turn to the Experts.™

[www.carrier.com](http://www.carrier.com)

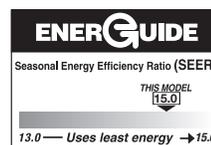
1-800-CARRIER

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

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Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.  
Model 50XT



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