

# Infinity™ 14 Packaged Hybrid Heat™ System with Puron® Refrigerant



Turn to the Experts.™

INFINITY SERIES



Enjoy the Comfort of Gas and the Economy of a Heat Pump in One 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 HCFC-based air conditioners and heat pumps by 2010, and bans Freon®-22\* production by 2020. As Freon® production reduces, its cost is predicted to increase. Freon®-12



in the automotive industry increased by a whopping 800% in a short seven years! Ensure your cooling costs by investing in systems with Puron® refrigerant — environmentally sound, efficient and dependable refrigerant designed for the future. Carrier's Infinity™ 14 Packaged Hybrid Heat™ System 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 Carrier-exclusive features that further enhance your indoor environment.

- The Packaged Hybrid Heat™ System gives you the comfort of gas heat and the efficiency of a heat pump in one efficient package. Select the desired indoor temperature on a Carrier Infinity™ Control or our special dual fuel thermostat and the system automatically switches to the most effective and efficient fuel source for indoor comfort.
- Bothered by that dry, "staticky" 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 IdealHumidity™. IdealHumidity controls your home's humidity level even



when the system isn't actively heating or 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*

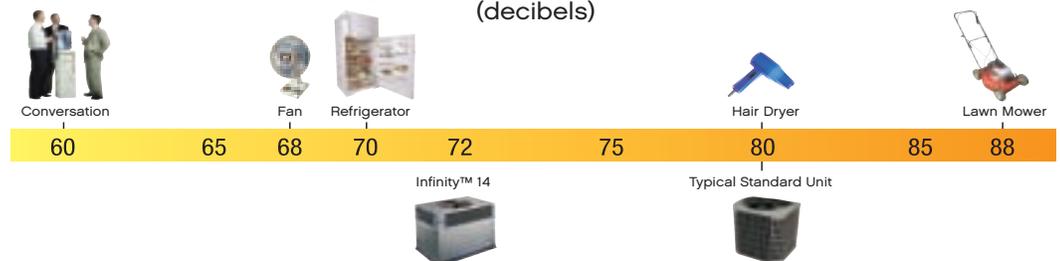
- The revolutionary Infinity™ System is the only system in the industry that allows you to control temperature, humidity, air quality, fan speed and ventilation control, and even detects when your air filter needs replacing. It's so advanced it automatically adjusts to your system's needs for peak-efficiency and performance. It's the ultimate control center for all of your home system components.

## Sound

At Carrier, we think home comfort systems should work quietly, letting you relax without a lot of background noise. The Infinity™ 14 system has sound ratings as low as 72 dBA, comparable to the sound of a running refrigerator.

### Comparative Sound Ratings

(decibels)



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

† IdealHumidity™ continually monitors indoor humidity, indoor temperature and outdoor temperature, and has the ability to turn on your comfort system just for dehumidification.

# 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.

**The Infinity™ 14 Packaged Hybrid Heat™ System** combines both a heat pump and a gas furnace in one system and is designed to use environmentally sound Puron® refrigerant and natural gas 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™ 14 Packaged Hybrid Heat™ 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 – they're built tough inside and out.

### Outside

- Galvanized steel cabinet protects against corrosion, keeping your outdoor unit looking good for years to come.
- Carrier's exclusive EnviroTuff™ rust-proof base is made from a high-tech composite material. The sloped drain pan design improves drainage and helps inhibit mold, algae and bacterial growth.

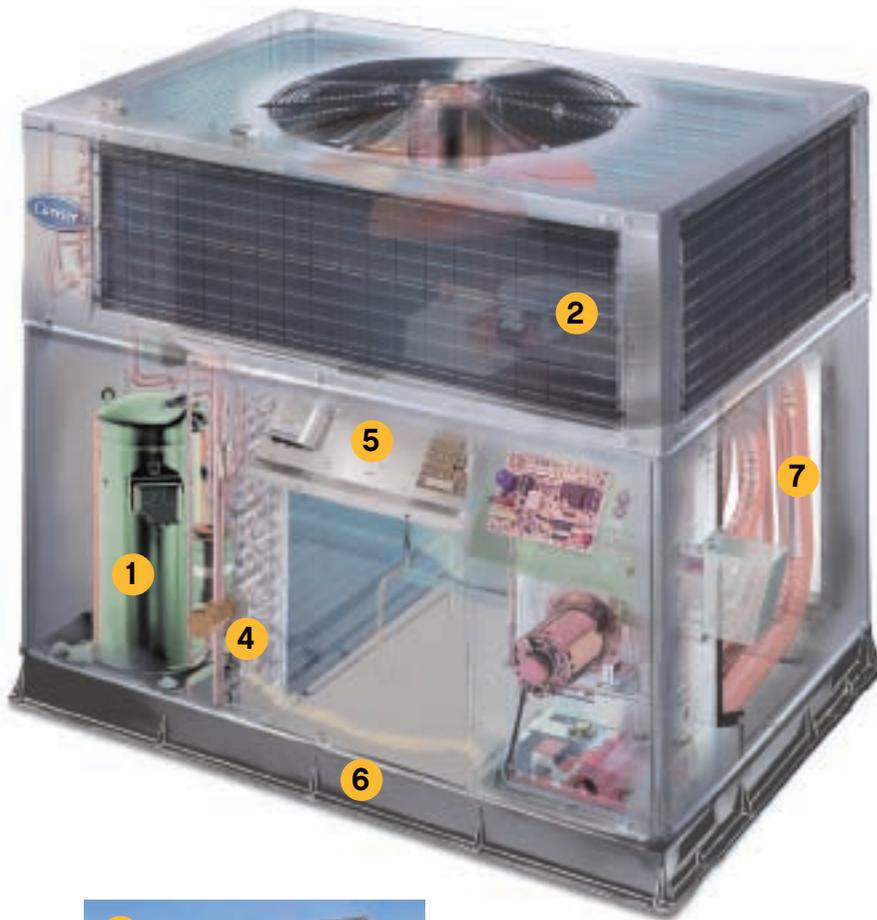
### Inside

- 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, replacing Freon®–22\* and won't deplete the ozone layer.



- 1 Compressor** – as the heart of the cooling 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 controls with programmable features to further customize your comfort.
- 4 Thermostatic Expansion Valve** – consistently monitors refrigerant flow for peak operating conditions.
- 5 Infinity™ electronic circuit board** – precisely controls low- and high-speed operation and allows the unit to connect to the Infinity™ Control for the ultimate comfort control. Smart electronics keep track of previous cycles and allow the system to automatically select the correct setting for the best comfort and energy efficiency.
- 6 Carrier's exclusive EnviroTuff™ rust-proof base** – is made from a high-tech composite material. The sloped drain pan design improves drainage and helps inhibit mold, algae and bacterial growth.
- 7 Turbo-Tubular™ heat exchanger** – allows hot gasses to make multiple passes across the supply air, optimizing heat transfer and system efficiency. Tough aluminum provides long-lasting corrosion resistance, helping to keep your unit working great from the inside out.
- 8 All-in-one versatility** – with most models weighing approximately 500 pounds, this system gives you the flexibility to install it on the roof when space is a concern.

## Specifications

Small Packaged	Infinity™ Controls Capable	Standard Variable Speed Fan	IdealHumidity™	Thermostatic Expansion Valve	Puron® Refrigerant	SEER	Up to 81% AFUE	HSPF Heating Seasonal Performance Factor	EnviroTuff™ Base	Energy Star®
Infinity™ 14	✓	✓	✓	✓	✓	14.0	✓	8.0	✓	✓
Infinity™ 13	✓	✓	✓	✓	✓	13.0	✓	8.0	✓	
Performance™ Series		✓	✓	✓	✓	13.0	✓	8.0	✓	
Comfort Series						13.0	✓	7.7	✓	

## Warranty

The Infinity™ 14 Packaged Hybrid Heat™ System is protected by a 10-year limited warranty on the heat exchanger and compressor and a five-year limited warranty on the entire unit. Extended warranties are also available. Contact your Carrier dealer for further details.



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## Efficiency

Because the Infinity™ 14 provides both heating and cooling, its efficiency is measured with three distinct ratings. SEER is used to measure cooling efficiency, while HSPF and AFUE measure heating efficiency.

- SEER, HSPF and AFUE are like gas mileage. The higher the rating, the more efficient the automobile or system is. The Infinity™ 14 has a 14.0 SEER rating, up to an 8.0 HSPF rating and up to 81% AFUE.
- 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™ 14 meets ENERGY STAR® guidelines for energy efficiency.

**14.0**  
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).

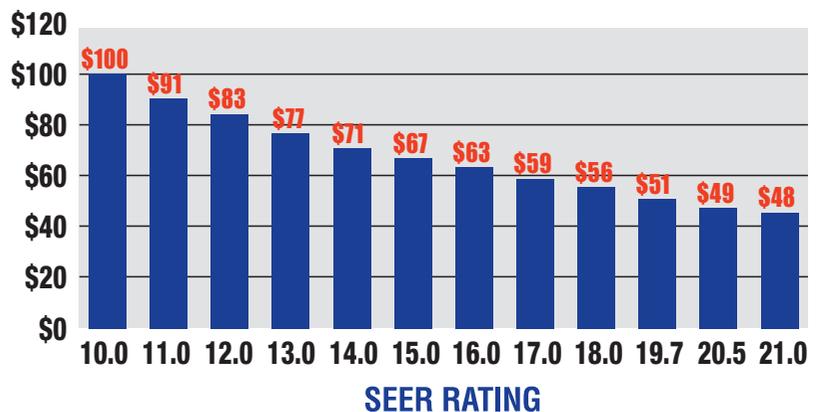


## High-Efficiency Packaged Hybrid Heat™ System Designed with Your Comfort in Mind



## Greater Operational Efficiency

For every \$100 spent to cool your home using a 10.0 SEER Packaged Hybrid Heat™ System, a 14.0 SEER Packaged Hybrid Heat™ System should cost you approximately \$71. Actual savings will depend upon your current efficiency rating versus your newer system efficiency rating.



Operating cost estimate based on a 3-ton system.



## 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)

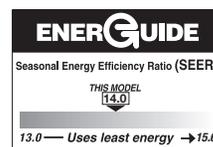
1-800-CARRIER

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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 48DT



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