

# Performance™ 14 Packaged Air Conditioner System with Puron® Refrigerant



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Performance  
SERIES



High-Efficiency Air Conditioners with 14.0 SEER/12.0 EER

## Efficiency

When buying a car, most consumers know that the miles-per-gallon rating on the window sticker was attained under carefully controlled conditions. And, you don't just get one rating, you get two – city mileage and highway mileage. The same can be true with published efficiency ratings of packaged air conditioners. Air conditioner efficiencies are measured by both SEER and EER. The higher the SEER or EER, the higher the efficiency. So when you are comparing air conditioners, be sure to ask your dealer about both the SEER and EER ratings.

- The Performance™ 14 packaged air conditioner is available with an efficiency rating of 14.0 SEER.
- This same system delivers a 12.0 EER rating, which measures the unit's performance under peak conditions.
- As an ENERGY STAR® partner, Carrier Corporation has determined that the Performance™ Series packaged air conditioner that achieves system combinations of 14.0 SEER and 12.0 EER or higher meets the ENERGY STAR guidelines for energy efficiency.



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 Air Conditioner Designed with Your Comfort in Mind

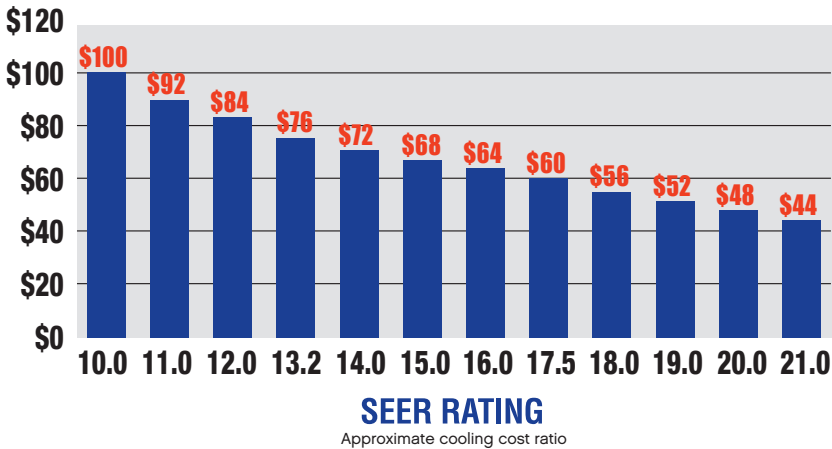


**14.0**  
SEER  
RATING

**12.0**  
EER  
RATING

## Greater Operational Efficiency

For every \$100 spent to cool your home using a 10.0 SEER packaged air conditioner, a 14.0 SEER packaged air conditioner should cost approximately \$72. Actual savings will vary depending on the efficiency of your current system.





# Things to Consider Before You Buy

## Puron® Refrigerant

The Carrier® Performance™ 14 packaged air conditioner with Puron refrigerant delivers the cool comfort your family deserves with excellent reliability and proven performance. And because it uses Puron refrigerant, this environmentally sound system won't deplete the ozone layer. Carrier introduced Puron refrigerant a full six years ahead of the competition, paving the way for the future of indoor comfort. That was an important milestone because the Clean Air Act of 1990 prohibits the



production of traditional HCFC-based air conditioners and heat pumps by 2010. It also bans Freon®-22\* production by 2020. As Freon® production is reduced, its cost may increase. By comparison, Freon®-12 in the automotive industry increased by a whopping 800% seven years after its phase-out!

Choose a system with Puron refrigerant today so you can enjoy comfort that's environmentally sound, efficient, dependable and designed for the future.

## 12.0 EER Performance

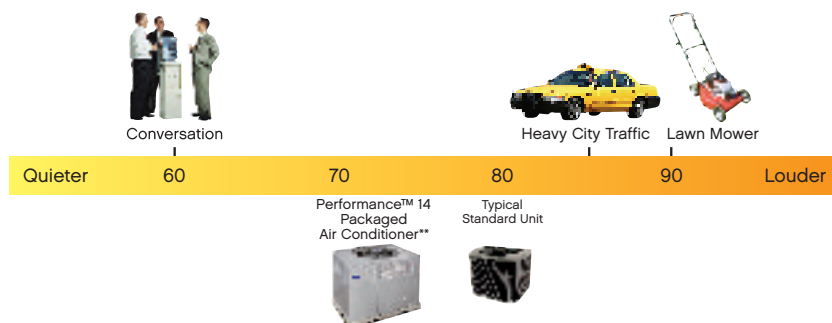
Carrier specializes in creating a customized home comfort system tailored to your needs with our broad selection of residential heating and cooling products. Your Carrier dealer can help you choose the best system for your home, including a Performance 14 packaged air conditioner and Carrier-exclusive features that further enhance your indoor environment. The Carrier Performance 14 packaged air conditioner outperforms many other 14.0 SEER models because it also achieves a 12.0 EER rating.

- Informed consumers know that air conditioner efficiencies are measured by both SEER and EER. SEER is an average measure of performance under varying conditions throughout the cooling season when a majority of the days typically reach relatively moderate temperatures. EER is an air conditioner's measured efficiency at a constant 95 degrees Fahrenheit.
- EER ratings represent your system's ability to provide cool comfort and energy efficiency during the hottest days of the summer. More importantly, a unit with a high SEER doesn't always have a high EER rating as well. That's why it's important to know that the Performance 14 packaged air conditioner offers 14.0 SEER efficiency throughout the season while also delivering high, 12.0 EER efficiency when temperatures soar.

## Sound

Carrier believes that quiet operation is a vital component to your total home comfort experience. So we engineer our products to offer quiet delivery of conditioned air. With sound ratings as low as 72 dBA\*\*, the Performance 14 packaged air conditioner lets you relax without a lot of background noise.

## Comparative Sound Ratings (decibels)



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

\*\* 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

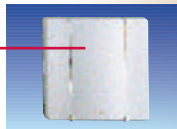
**Air Cleaner** improves air quality by removing harmful and irritating airborne pollutants from your home.



**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.



**Thermidstat™ Control** allows precise temperature and humidity control along with programmable features to further customize your comfort.

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

**Performance™ 14 packaged air conditioner** is designed to use environmentally sound Puron® refrigerant and electricity for economical utility costs throughout the year. *Optional louvers shown.*



## 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 unit produced to ensure its performance is up to our standards. In addition, the Performance 14 packaged air conditioner with Puron refrigerant is 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

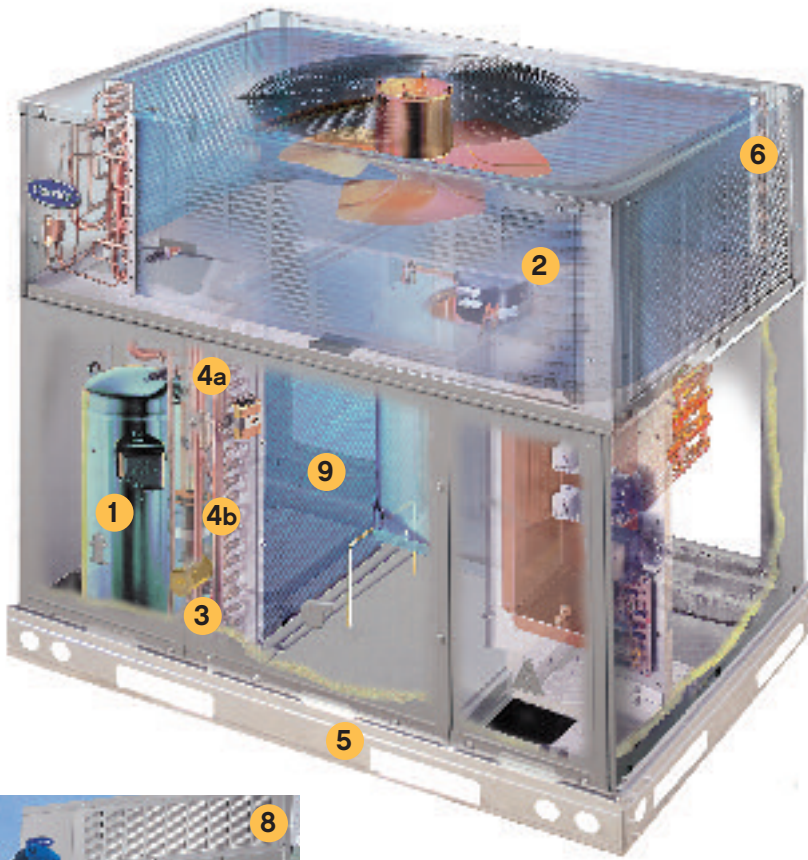
- Galvanized steel cabinet protects against corrosion, keeping your packaged air conditioner looking good for years.
- Carrier's innovative base combines a high-tech composite interior for light weight and corrosion resistance with outer base rails for structural integrity and easier handling and rigging 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.

Performance  
SERIES





## Technology

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

- 1 Compressor** – is the heart of the cooling system. Available for single- and three-phase operation for reliable, quiet, high-efficiency comfort.
- 2 Energy-saving blower** – optimizes airflow for your home's cooling needs with an electronically controlled, programmable motor. This motor delivers higher efficiency than standard, PSC-type motors.
- 3 Thermostatic™ Expansion Valve** – consistently monitors refrigerant flow for peak operating conditions.
- 4 Reliability features**
  - a. **High- and low-pressure switches** – help protect the compressor from operating outside of normal pressure ranges.
  - b. **Filter drier** – helps keep the refrigerant system free from excess moisture and debris.
- 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 Enhanced dehumidification** – with our optional Thermidstat™ Control allows you to enjoy improved energy efficiency and comfort during the cooling season.
- 8 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.

- 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	Humidity Management	Thermostatic Expansion Valve	Puron® Refrigerant	SEER	EnviroTuff™ Base	ENERGY STAR®
Infinity™ 15	✓	✓	✓	✓	✓	15.0	✓	✓
Performance™ Series	✓	✓	✓	✓	✓	14.0	✓	✓
Comfort™ Series*	✓	✓	✓	✓	✓	13.0	✓	✓

## Limited Warranty

To the original owner, the Carrier® Performance™ 14 packaged air conditioner 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](http://carrier.com) for complete details.





## 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)

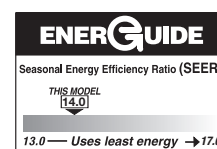
1-800-CARRIER

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 50VL



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