



Performance™ Series Packaged Heat Pumps and Packaged Hybrid Heat® Systems



High-efficiency packaged products with your comfort in mind



50VR, 48VR



What You Can Expect From Carrier

Innovation, efficiency, quality: Carrier® Performance™ Series packaged heat pumps and packaged Hybrid Heat® systems represent years of research and design with one goal in mind – making your family comfortable. With durable, lasting comfort and the option to choose a traditional heat pump or gas furnace and heat pump combined, Performance Series packaged products represent the Carrier quality, environmental stewardship and lasting durability that have endured for more than a century. While both of these packaged products provide comfort all year long, our Hybrid Heat systems can be an excellent choice in areas where having both gas and electric heat pump heating are desirable for maximum comfort and energy savings.



Efficiency

SEER (Seasonal Energy Efficiency Ratio), HSPF (Heating Seasonal Performance Factor) and AFUE (Annual Fuel Utilization Efficiency) ratings are like your car's MPG – the higher the number, the greater the potential for savings. Performance™ Series packaged heat pumps and packaged Hybrid Heat® systems offer up to 15.5 and 14.5 SEER cooling and 8.5 HSPF heating. The packaged Hybrid Heat system also reaches 81% AFUE gas heating.



Durability

A galvanized steel cabinet and louvered steel coil guard provide superior protection against dings, dents and other outdoor threats. Our unique cabinet design puts the condensing coil above ground level and further out of harm's way. The bottom half of the cabinet is fully sealed to help keep moisture, leaves, dirt and other potential corrosives out.



Hybrid Heat® System

Combining a gas furnace, an electric heat pump and a compatible thermostat, a Carrier® Hybrid Heat system automatically switches between electric and gas heating to optimize the efficiency of each fuel source. It's the ultimate defense against unpredictable utility costs.



Environment

Carrier was the first to offer systems with Puron® refrigerant, which does not contribute to ozone depletion. By replacing an older, less efficient packaged product with a Performance™ Series packaged heat pump or packaged Hybrid Heat® system, you are reducing energy use and your environmental impact.



Sound

Carrier® Performance™ Series packaged products deliver quiet, indoor comfort. With sound levels as low as 71 decibels, you can enjoy the comfort with very little background noise. All models include components that help keep sound levels quiet, including an aerodynamic top and quiet motor mounts.



Limited Warranty

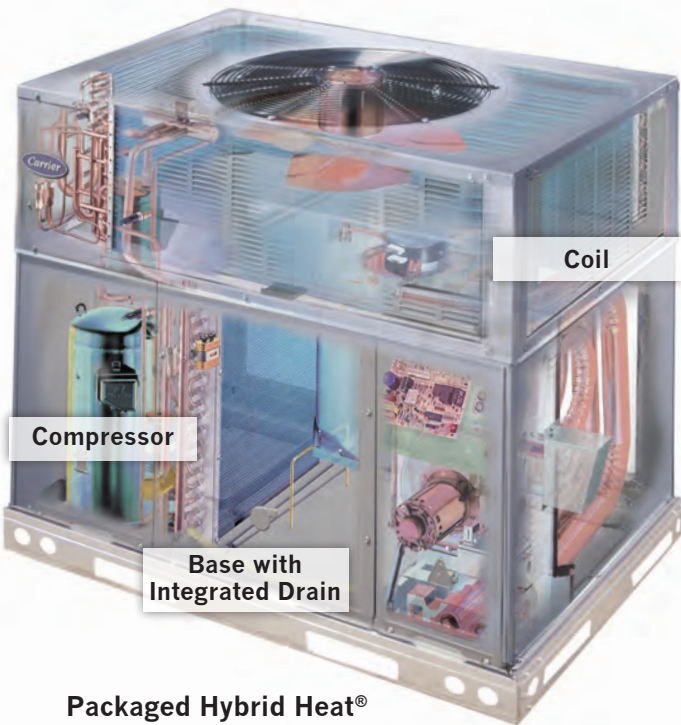
To the original owner, Carrier® Performance™ Series packaged heat pumps and packaged Hybrid Heat® systems are covered by a 10-year parts limited warranty upon timely registration. The limited warranty period is five years if not registered within 90 days of installation. Jurisdictions where warranty benefits cannot be conditioned on registration will receive the registered limited warranty period. See warranty certificate at carrier.com for complete details and restrictions.

A Range of Comfort

Carrier delivers packaged products in a range of shapes and sizes. Check out this side-by-side comparison to see how our durable and efficient Performance™ Series packaged heat pumps and packaged Hybrid Heat® systems measure up against our Comfort™ models.

	Packaged Heat Pump		Packaged Hybrid Heat® System	
	Comfort™ Series	Performance™ Series	Comfort™ Series	Performance™ Series
Performance	Single-stage compressor	Two-stage compressor	Single-stage compressor	Two-stage compressor
Efficiency	14.0 SEER 8.0 HSPF	15.5 SEER 8.5 HSPF	14.0 SEER/8.0 HSPF 80.1% AFUE	14.5 SEER/8.5 HSPF 81% AFUE
Dehumidification	Standard dehumidification with Cōr® thermostat	Opt. adv. dehum. and airflow with variable-speed blower motor	Standard dehumidification with Cōr® thermostat	Opt. adv. dehum. and airflow with variable-speed blower motor
Durability	High-tech composite, rust-proof base	High-tech composite, rust-proof base	High-tech composite, rust-proof base	High-tech composite, rust-proof base
Sound	as low as 73 dBA	as low as 71 dBA	as low as 73 dBA	as low as 71 dBA
Limited Warranty	10-year parts*	10-year parts*	10-year parts*	10-year parts*

* Upon timely registration. The warranty period is five years if not registered within 90 days of installation.



Packaged Hybrid Heat® System Shown

The Carrier® Difference

If you could look under the hood of a Carrier Performance™ Series packaged heat pump or Hybrid Heat® system, you'd see what drives the performance: a serious commitment to quality. Our microtube condensing coil saves space and provides lasting comfort with its corrosion-resistant construction. The smooth-running, two-stage compressor helps deliver solid, reliable cooling performance. For gas heating operation in packaged Hybrid Heat systems, our TurboTubular™ heat exchanger allows hot gases to make multiple passes across the supply air, optimizing heat transfer and system efficiency.

For Performance Series packaged heat pumps with the advanced dehumidification variable-speed blower option, you gain maximum comfort with better summer humidity control and more consistent air temperatures, along with quieter operation. Less humidity means you'll feel cooler at slightly warmer temperatures.

All of this technology is built upon a high-tech composite, rust-proof base that provides a solid foundation for comfort and includes an integrated, sloped drain pan for enhanced drainage to help inhibit mold, algae and bacterial growth.

For California Residents:

For installation in SCAQMD only: Model 48VR does not meet the SCAQMD Rule 1111 14 ng/J NOx emission limit, and thus is subject to a mitigation fee of up to \$450. This product is not eligible for the Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com.

The Total Indoor Comfort System

Your Carrier® dealer will recommend a system that is best suited to meet your home-comfort needs and local weather environment:

- 1. Packaged Heat Pumps and Packaged Hybrid Heat® Systems** provide reliable, high-efficiency heating and cooling for long-lasting comfort and energy savings.
- 2. Cōr® Wi-Fi® Thermostat** puts efficiency, simplicity and expertise at your fingertips with unprecedented convenience – from the wall control, wireless home networks or anywhere in the connected world.
- 3. Zoning** sets different temperatures for up to three different areas of your home for truly customized comfort and enhanced utility savings.
- 4. Air Cleaner** improves air quality by removing harmful and irritating airborne pollutants from your home.
- 5. Humidifier** replenishes moisture to dry air.
- 6. Ventilator** combines fresh outdoor air with conditioned indoor air for improved air quality and maximum efficiency – great for today's tightly constructed home.



More Than a Century of Cool

In 1902, a determined engineer answered one of mankind's most nagging questions: How do we make hot, sticky, indoor air go away? In creating the world's first modern air conditioning system, Willis Carrier forever changed indoor life, and, more than a century later, the corporation that bears his name takes inspiration from his example.

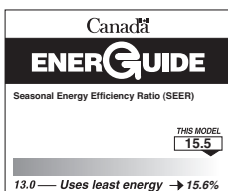
Carrier strives to improve on our founder's breakthroughs, introducing new technologies that make life at home even cooler. Today, our nationwide network of experts continues to advance Willis Carrier's lifework. Your expert Carrier® dealer is equipped to evaluate your home and create a customized system designed around your lifestyle.

Wi-Fi® is a registered trademark of the Wi-Fi Alliance Corporation.



According to the EPA, indoor levels of pollutants are often significantly higher than outdoor levels. Most homes have at least one air quality problem, ranging from temperature and humidity issues to particle allergens, chemical pollutants and elevated carbon dioxide levels.† Ask your dealer how Cōr Indoor Air Quality products can help you breathe easier.

† EPA.gov



Performance
SERIES



turn to the experts™



As an ENERGY STAR® partner, Carrier Corporation has determined that the Performance™ Series packaged heat pump and Hybrid Heat® systems meet 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.

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carrier.com 1-800-CARRIER

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