



# Performance™ 80 Gas Furnaces



Enjoy smart comfort with 80.0% AFUE



58CTW, 58CTY, 58PHB, 58PHY

# What You Can Expect From Carrier

Innovation, efficiency, quality: Our Carrier® Performance™ 80 gas furnaces offer two-stage and single-stage heating capabilities and the ability to increase your cooling system's efficiency. These are just a few of the features and functions that take indoor comfort and energy-efficient performance to new levels. Throughout our Performance line, we never lose sight of the Carrier quality, environmental stewardship and lasting durability that have endured for more than a century. And, to ensure maximum year-round efficiency with both gas and electric heating capabilities, your dealer can include a Carrier heat pump and compatible Carrier thermostat to create a Hybrid Heat® dual fuel system.



## Consistent Comfort

The Performance™ 80 (Models 58CTW/58CTY) gas furnace includes the Comfort Heat Technology® feature that accurately predicts the need for heating based on previous furnace cycles. The result: quiet, consistent comfort and extra-energy efficiency with fewer up-and-down temperature swings.



## Efficiency

AFUE (Annual Fuel Utilization Efficiency) ratings are like your car's MPG – the higher the number, the greater the potential for savings. Performance™ 80 gas furnaces deliver 80.0% AFUE heating and some models offer the potential for savings year-round with the ability to increase the efficiency of select 13.0 and 14.0 SEER Carrier air conditioners up to 1.5 SEER.\*



## Durability

Our PowerHeat™ hot surface ignition is one of the most robust and durable ignition systems available. It eliminates the need for a pilot light, reducing gas usage and promoting worry-free operation.



## Humidity Management

As a part of your home's cooling system, a Performance™ 80 gas furnace with SmartEvap™ technology can be the key to enhanced comfort through precision humidity management. Include a Carrier® Côt thermostat, Carrier humidifier and a Performance outdoor unit and let Ideal Humidity System™ technology deliver ideal comfort, all year long.



## Hybrid Heat® System

Combining a Performance™ 80 gas furnace, a Carrier® heat pump and a compatible Carrier 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.



## Sound

Variable-speed and multi-speed ECM blower motors combined with our sealed combustion system and fully insulated cabinet means you'll enjoy warm, winter heating that's quieter than a conversation.\*\*



## Limited Warranty

To the original owner, Carrier® Performance™ 80 gas furnaces are covered by a 10-year parts and 20-year heat exchanger limited warranty upon timely registration. The parts 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](http://carrier.com) for complete details and restrictions.

\* As compared to the Air Conditioning, Heating and Refrigeration Institute's Standard Coil-only rating when paired with selected Carrier evaporator coils.

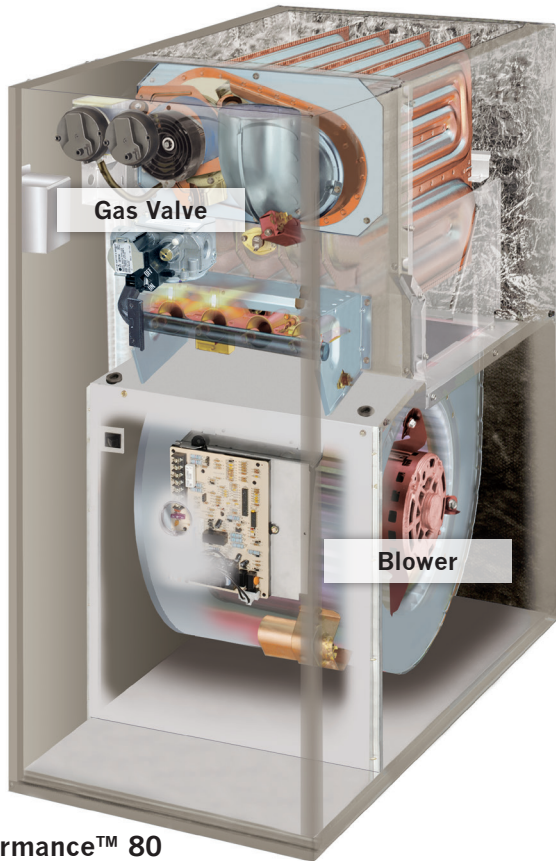
\*\* Carrier manufactures gas furnaces that are among the quietest in the industry. We test our products in a sound laboratory specifically built to resemble a typical residence. Sound level recordings produced at steady state, single-stage operation (the most common operating condition), measured three feet from furnace. Other sound levels, mentioned for comparison, as published at [http://www.noisyplanet.nidcd.nih.gov/SiteCollectionDocuments/Bookmark\\_2up.pdf](http://www.noisyplanet.nidcd.nih.gov/SiteCollectionDocuments/Bookmark_2up.pdf).

# A Range of Comfort

Carrier delivers gas furnaces with a range of features and functionality. Check out this side-by-side comparison to see how our smart and efficient Performance™ 80 gas furnaces measure up against our Infinity® and Comfort™ models.

	Infinity® Series	Performance™ Series	Comfort™ Series
<b>Performance</b>	Variable-speed ECM motor	Variable-speed ECM, Multi-speed ECM motors	Fixed-speed motor
<b>Efficiency</b>	80.0% AFUE	80.0% AFUE	80.0% AFUE
<b>Durability</b>	Fully insulated, 20-gauge steel cabinet and doors	Fully insulated, 20-gauge steel cabinet and doors	Fully insulated, 20-gauge steel cabinet and doors
<b>Controls</b>	Infinity® Touch Control	Côr® Wi-Fi® Thermostat	Carrier® Wi-Fi® Thermostat
<b>Limited Warranty</b>	10-year parts* 20-year heat exchanger	10-year parts* 20-year heat exchanger	10-year parts* 20-year heat exchanger

\* Upon timely registration. The warranty period is five years if not registered within 90 days of installation. Wi-Fi® is a registered trademark of the Wi-Fi Alliance Corporation.



**Performance™ 80  
Model 58CTW  
Gas Furnace shown**

## The Carrier® Difference

If you could look under the hood of a Carrier® Performance™ 80, Model 58CTW, gas furnace, you'd see what drives the performance: a serious commitment to quality. Heating capacity is managed with a two-stage gas valve that can operate on low- or high-stage heat. Low-stage heating is for milder days and conditions while high-stage heating engages during colder temperatures. Our variable-speed ECM blower operates on the lowest setting possible to provide the right amount of airflow to meet your home's needs. The result: quiet, efficient comfort all year long and humidity control as a part of your cooling system.

Smart electronics monitor conditions, comfort settings and previous furnace cycles to make "informed" decisions on your behalf. You'll enjoy the results with more consistent airflow and reduced hot or cold spots. Additional comfort-enhancing functions include ComfortFan™ technology, which allows you to select furnace fan speeds from the Carrier Côr® thermostat.

**Visit [carrier.com](http://carrier.com) for model comparisons and product specifications.**

Explore the full line of Carrier® gas furnaces and other system components to find the ideal fit for your home.

58CTW, 58CTY, 58PHB, 58PHY

## 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. **Air Conditioner** provides reliable, high-efficiency cooling for long-lasting comfort and energy savings.
2. **Gas Furnace** provides reliable, high-efficiency heating for long-lasting comfort and energy savings.
3. **Côr® Thermostat** puts efficiency, simplicity and expertise at your fingertips with unprecedented convenience – from the wall control, web portal or anywhere in the connected world with the mobile app.
4. **Zoning** sets different temperatures for up to three different areas of your home for truly customized comfort and enhanced utility savings.
5. **Air Cleaner** improves air quality by removing harmful and irritating airborne pollutants from your home.
6. **Humidifier** replenishes moisture to dry air.
7. **UV Lamp** inhibits the growth of contaminants on the evaporator coil, leaving your home with cleaner, fresher indoor air.
8. **Ventilator** combines fresh outdoor air with conditioned indoor air for improved air quality – great for today's tightly constructed home.
9. **Evaporator Coil** is matched with the proper outdoor unit to provide top cooling efficiency and years of reliable service.



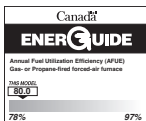
## More Than a Century of Cool

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 continues 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.



turn to the experts™



Performance SERIES



Always Ask For  
FACTORY  
AUTHORIZED  
PARTS

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