

# Performance™ Boost 80

Gas Furnace



turn to the experts™ 



Performance  
SERIES

Reliable, Efficient Comfort  
with 80.0% AFUE

## Innovation and the Environment

Over 100 years ago, a humble but determined engineer solved one of mankind's most elusive challenges by controlling the indoor environment. A leading engineer of his day, Dr. Willis Carrier would file more than 80 patents over the course of his career. His genius would enable incredible advancements in health care, manufacturing processes, food preservation, art and historical conservation, indoor comfort and much more.



Carrier's foresight changed the world forever and paved the way for over a century of once-impossible innovations. Yet in addition to being an accomplished inventor, he was also an avid outdoorsman. Carrier recognized the power and beauty of the natural environment. This appreciation of our world and its resources continues to guide Carrier Corporation today. We will never rest on our accomplishments, but instead consistently look for ways to improve our products, our environment and our world.

The Performance™ Boost 80 gas furnace continues the Carrier® story with reliable heating and efficiency-enhancing comfort when combined with a compatible Carrier air conditioner.



## Leaders in Technology



### What Efficiency Means to You

Furnaces use gas to provide warm, comfortable heat for your home. You can compare efficiencies of different furnace models by checking the AFUE (Annual Fuel Utilization Efficiency) ratings, available through your Carrier dealer or manufacturer web sites. Using these ratings is a lot like miles per gallon for your car – the higher the number, the more efficient the product and the greater potential for savings. Actual furnace performance will vary depending on your home, comfort preferences and more.



The Performance Boost 80 gas furnace delivers 80.0% AFUE to potentially reduce your energy costs compared to an older, lower efficiency furnace you may be replacing.

## 1 Reliable Operation

Our single-stage gas valve helps ensure reliable heating performance along with quiet, efficient furnace operation.

## 2 Efficiency and Performance Boost

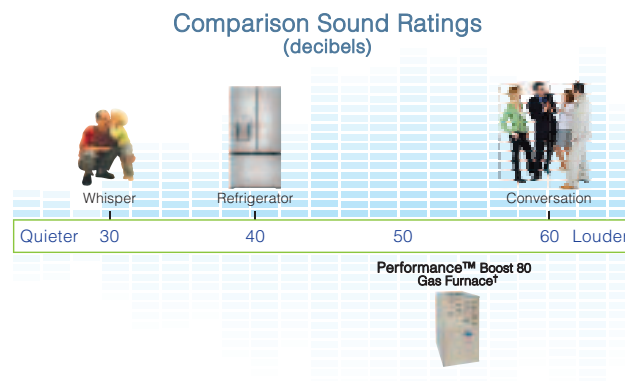
The Performance™ ECM blower motor delivers heated air to your home while helping the furnace meet its 80.0% AFUE rating. As part of a year-round comfort system, it can increase the energy efficiency of selected 13.0 and 14.0 SEER Carrier® air conditioners up to 1.5 SEER\*.

## 3 Responsive Comfort Control

The furnace control board supplies the brains for reliable heating operation. It can also be matched with a Performance series Edge® programmable thermostat to help you enjoy comfort-enhancing features including ComfortFan™ technology which allows you to select furnace fan speeds from the Edge thermostat and our SmartEvap™ moisture control function.

## 4 Quiet Operation

Our Performance ECM blower provides airflow optimized for your home's needs to help keep operational sound to a minimum. Add our patented combustion system components, sturdy steel casing and door and insulated cabinet and you will enjoy the comfort of quiet operation.



† 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).

## It's About Your Comfort

The Carrier Performance Boost 80 gas furnace represents years of design, development and testing with one goal in mind – making you more comfortable. We have taken the lead in creating technologies that deliver the comfort and efficiency you deserve while staying ahead of industry trends and global initiatives.

The Carrier HYBRID HEAT® dual fuel system delivers peace of mind to homeowners concerned about the unpredictable nature of utility costs. This system pairs the Performance Boost 80 gas furnace with an electric heat pump and Edge programmable thermostat to provide comfort, economy and flexibility. Your Carrier HYBRID HEAT dual fuel system will automatically switch between electric and gas heating as needed to keep your home comfortable all winter long while optimizing the efficiencies of each fuel source.



## Uncompromising Quality

You don't lead an industry for more than 100 years by accident. Carrier has maintained its position and reputation through diligent, uncompromising quality control at every stage of a product's life – from concept to completion. Once our product is installed at your home, you can be confident that durable construction ensures your comfort for years to come.

- Built-in reliability: Our Power Heat™ hot surface ignition is one of the most robust and reliable.
- Durability: Aluminized steel heat exchangers contribute to lasting durability.

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



## Limited Warranty

To the original owner, the Carrier Performance Boost 80 gas furnace is covered by a 10-year parts and 20-year heat exchanger 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. See warranty certificate at [carrier.com](http://carrier.com) for complete details and restrictions. Be sure to ask your Carrier dealer about optional labor warranties.

# Carrier® Systems for Unmatched Performance in Every Season

Willis Carrier's meticulous attention to quality and detail led to a major culture shift in the way we live indoors. More than a century later, Carrier Corporation operates with a unique willingness to develop new technology, the confidence to revise proven designs and the ability to deliver results with every new installation.

Part of that equation is our nationwide network of experts you can turn to for all of your indoor comfort needs. Your local Carrier dealer is well equipped to evaluate your home – everything from size, window placement, ductwork, venting and other structural specifics – and create a customized system designed around your lifestyle. So when it's time to make a choice for your family's comfort, make the best decision you'll ever make – Carrier – and let the experts do the rest.



- A. Air Conditioner
- B. Gas Furnace
- C. Evaporator Coil
- D. Air Cleaner
- E. Ventilator
- F. Humidifier
- G. Zoning
- H. UV Lamp
- I. Edge Programmable Thermostat

## The Total Indoor Comfort System

**Air Conditioner** provides reliable, high-efficiency cooling for long-lasting comfort and energy savings.

**Gas Furnace** provides reliable, energy-efficient heating for long-lasting comfort and energy savings.

**Evaporator Coil** is matched with the proper outdoor unit to provide top heating and cooling efficiency and years of reliable service.

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

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

**Humidifier** replenishes moisture to dry air.

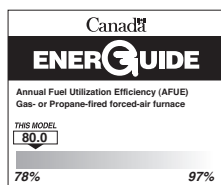
**Zoning** sets different temperatures for up to eight different areas of your home for truly customized comfort and enhanced utility savings.

**UV Lamp** inhibits the growth of contaminants on the indoor coil, leaving your home with cleaner, fresher indoor air.

**Edge® Programmable Thermostat** allows precise temperature and humidity control along with programmable features to further customize your comfort.

Models 58PHA, 58PHX  
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Always look for these symbols, the home heating industry seals of certified performance, efficiency and capacity.

Always Ask For  
**FACTORY  
AUTHORIZED  
PARTS**

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

1-800-CARRIER

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

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



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