

Infinity[®] 80

Gas Furnace with Comfort Heat Technology[®] Feature



turn to the experts[™] 



INFINITY[®] SERIES

Energy-Efficient Gas Furnace
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 Infinity® 80 gas furnace with Comfort Heat Technology® feature delivers on this promise with energy-saving efficiency and Carrier-exclusive performance designed to make your home more comfortable.



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 Infinity 80 delivers 80.0% AFUE to potentially reduce your energy costs compared to an older, lower efficiency furnace you may be replacing while also offering comfort-enhancing features of variable-speed operation.



Carrier gives you ultimate command of comfort, performance and energy savings when you include an Infinity control, Infinity heat pump or air conditioner and Carrier humidifier to create an Infinity system. This system provides unprecedented control of not only temperature, but also humidity, dehumidification, fan speed, weekly comfort schedules and more. This smart system can even monitor operation and maintenance items and provide service reminders such as when it's time to change the filter.

1 Heating Capacity That Fits Your Needs

To better match the heating needs of your home, our two-stage gas valve offers low-stage heating for milder days while high-stage heating engages during colder temperatures. You will enjoy energy-efficient comfort as a result.

2 Consistent Comfort and Ventilation

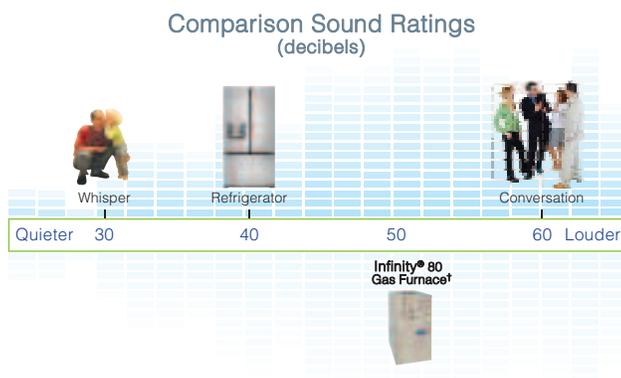
The variable-speed blower motor enhances your comfort by ensuring consistent airflow and temperature maintenance. This vital component helps keep rooms more comfortable, helps improve indoor air quality and operates quietly.

3 Intelligent Comfort Control

By combining the Infinity® control with the Infinity control board in the furnace itself, Carrier puts maximum control at your fingertips. This system monitors critical system functions and adjusts operation to optimize functionality and reliability. Additional comfort-enhancing functions include ComfortFan™ technology which allows you to select furnace fan speeds from the Infinity control and SmartEvap™ technology for added moisture control.

4 Extra-Quiet Operation

It starts with our variable-speed blower which distributes heated air at the lowest possible setting for the majority of the heating season. You benefit with sound reduction in addition to consistent indoor comfort. Add our insulated cabinet and Carrier® combustion system components, and you will enjoy the comfort of extra-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.

It's About Your Comfort

The Carrier Infinity 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.

All year long, humidity affects the temperature at which you feel most comfortable. That's why Carrier Ideal Humidity System® technology plays such an important role in your comfort. When you add the Infinity control, Carrier humidifier and a matching Carrier air conditioner or heat pump to the Infinity 80 gas furnace, Ideal Humidity System technology gives you enhanced control over humidity levels for greater comfort even when your system isn't calling for heating or cooling.† You'll feel cooler at higher temperatures in the summer and warmer at lower temperatures in the winter.



Comfort Heat Technology® feature is Carrier's answer to smoothing out heating cycles so you can stay consistently comfortable as conditions change. This feature accurately predicts the need for heating based on previous furnace cycles to effectively reduce temperature swings. It's a much more comfortable and efficient system than single-stage furnaces that deliver heating in full-force blasts followed by idle periods of falling indoor temperatures.



† Ideal Humidity System technology continually monitors indoor humidity, indoor temperature and outdoor temperature, and has the ability to turn on your comfort system just for dehumidification in the cooling season.



Limited Warranty

To the original owner, the Carrier Infinity 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 for complete details and restrictions. Be sure to ask your Carrier dealer about optional labor warranties.

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 Purifier
- E. Ventilator
- F. Humidifier
- G. Zoning
- H. UV Lamp
- I. Infinity Control

The Total Indoor Comfort System

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

Infinity 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 cooling efficiency and years of reliable service.

Infinity Air Purifier improves air quality by capturing and killing airborne bacteria and viruses and other 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.

Infinity Control is more than just a thermostat. It's your interface to the Infinity System that allows you to control temperature, humidity, air quality, fan speed and ventilation.

Models 58CVA, 58CVX
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