

# Infinity<sup>®</sup> 98

Gas Furnace with Greenspeed<sup>™</sup> Intelligence



turn to the experts<sup>™</sup>



INFINITY<sup>®</sup> SERIES

Ultra-Quiet, Extra-Efficient  
Gas Furnace with up to 98.5% 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



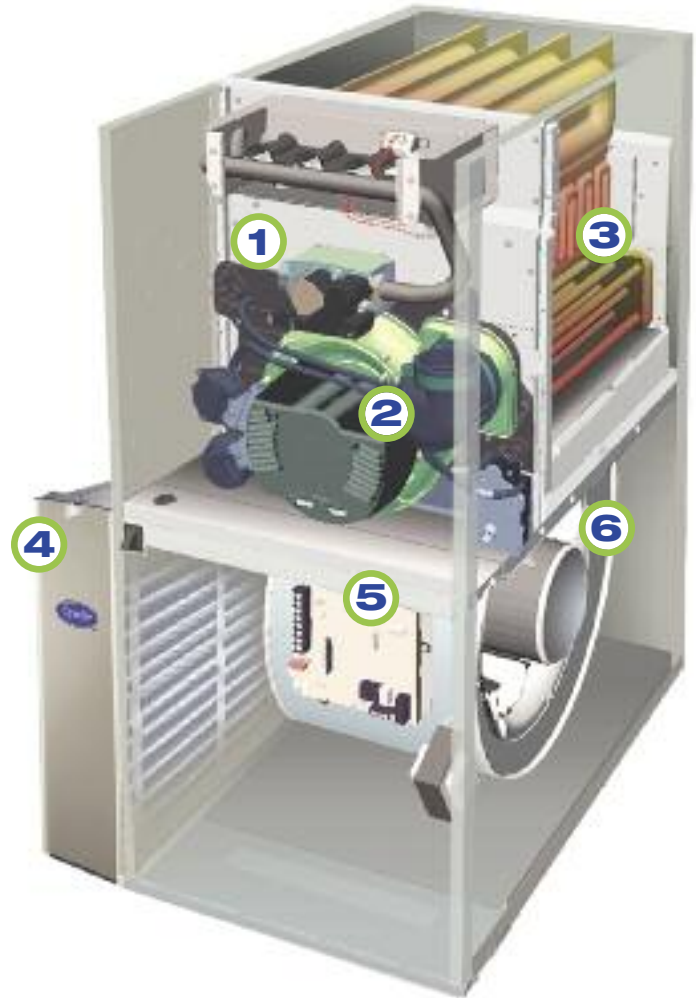
leading engineer of his day, Dr. Willis Carrier would file more than 80 patents over the course of his career. His genius would enable incredible advancements in health care, manufacturing processes, food preservation, art and historical conservation, indoor comfort and much more.

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.

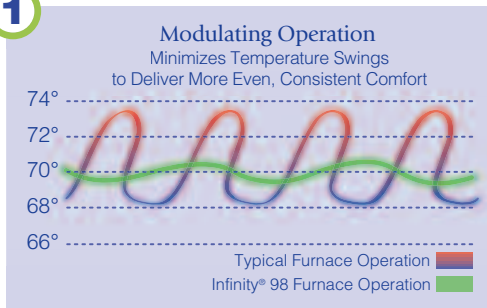
The Infinity® 98 modulating gas furnace with Greenspeed™ intelligence delivers on this promise with superior efficiency, enhanced performance, and the unsurpassed ability to make your home more comfortable.



# Leaders in Technology



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As an ENERGY STAR® partner, Carrier Corporation has determined that the Infinity 98 gas furnace meets 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).

## 1 Precision-Matched Heating Capacity

Our modulating gas valve helps the Infinity 98 efficiently deliver the ideal heating capacity for current conditions when the Infinity control is included with your system. By continuously adjusting heating output up and down through multiple stages in 1% increments, this furnace precisely matches your comfort needs. Most other furnaces can provide only one or two stages of heating and must start a new heating cycle to reduce heating capacity as conditions change.

## 2 Customized Comfort and Energy Savings

The variable-speed inducer motor precisely controls air intake within the combustion system to ensure increased gas efficiency for comfortable heating performance.

## 3 Maximum Heating from Gas Consumed

Heat exchangers are vital to your comfort and the efficiency of your furnace because they extract heat from the gas used. The Infinity 98 uses two heat exchangers to optimize efficiency. Our primary heat exchanger does most of the work. Then, our secondary heat exchanger pulls additional heating energy from operation to maximize efficiency and provide soothing comfort.

## 4 Enhanced Indoor Air Quality

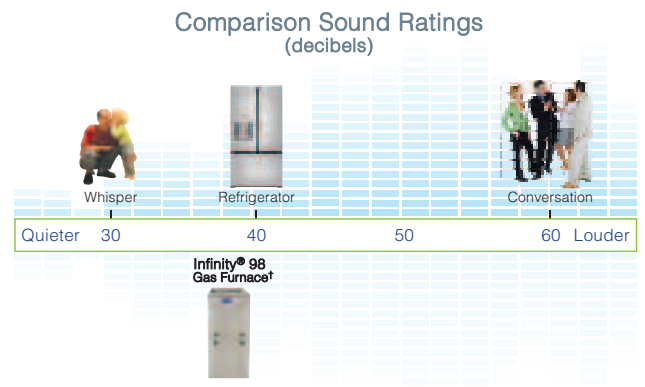
The optional air cleaner cabinet allows for the easy addition of a Carrier® high-efficiency air filter for improved indoor air.

## 5 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.

## 6 Ultra-Quiet Operation

The Carrier Infinity 98 gas furnace is the quietest gas furnace you can buy.† 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 variable-speed inducer motor, insulated cabinet and Greenspeed™ intelligence, and you will enjoy the comfort of ultra-quiet operation.



† Based on sound level testing of the Carrier 59MN7A060V17-14 and leading competitive gas furnaces during steady-state, high-fire and low-fire operation. For more information regarding the testing results and procedure, visit <http://www.cacfurnaces.com>. Other sound levels, mentioned for comparison, as published at [http://www.nidcd.nih.gov/health/education/teachers/common\\_sounds.asp](http://www.nidcd.nih.gov/health/education/teachers/common_sounds.asp).



## Limited Warranty

To the original owner, the Carrier Infinity 98 gas furnace is covered by a 10-year parts and lifetime heat exchanger limited warranty upon timely registration. The limited warranty period is five years for parts and twenty years for the heat exchanger if not registered within 90 days of installation. Jurisdictions where warranty benefits cannot be conditioned on registration will receive the registered limited warranty periods. 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.



## It's About Your Comfort

The Carrier® Infinity® 98 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 new technologies that deliver the comfort and efficiency you deserve while staying ahead of industry trends and global initiatives.

Greenspeed™ intelligence is our unmatched technology that takes into account your complete comfort, from degrees to dollars to decibels. It marries adaptable-speed technology with Infinity intelligence to provide up to 98.5% heating



efficiency, tight temperature control and quiet operation. It delivers precise comfort, constantly matching to the heating demands of the home. This translates into reduced energy use and reduced temperature swings throughout the home.

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 98 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.

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 Infinity 98 gas furnace with an electric heat pump and Infinity control 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 and built-in reliability features ensure your comfort for years to come.

- Built-in reliability: Intelligent electronics continuously monitor system operation to ensure proper operation. Our Power Heat™ hot surface ignition is one of the most robust and reliable. And, routine maintenance reminders from the Infinity control help you keep the system operating at its best.
- Durability: The Infinity 98 gas furnace is built to last with 20-gauge steel doors and cabinet.



\*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.



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.

## 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. The published ratings provide a standardized method for comparing how much heating performance you get for the gas you use.

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 based on the age and condition of your home, personal comfort preferences, weather patterns in your area and much more.

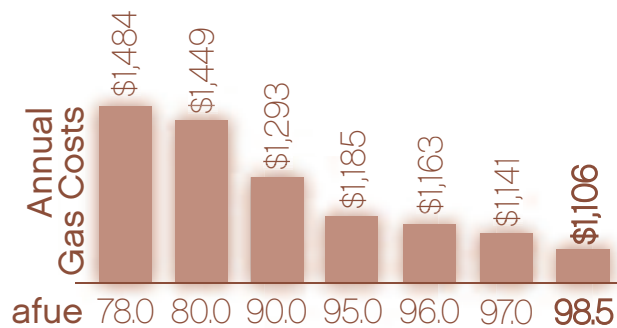
So when you are comparing furnaces, be sure to look at AFUE ratings before you make your decision.



## Ultra High-Efficiency Furnace Designed with Your Comfort in Mind



### Greater Operational Efficiency



The Carrier® Infinity® 98 is the most efficient gas furnace that you can buy.\* This gas furnace offers plenty of potential for annual savings with outstanding gas efficiency. Compared to today's minimum efficiency models, the Infinity 98 can deliver estimated savings of about \$343 annually on your gas costs.† If you are replacing an older furnace, you can save even more. Variable-speed blower and inducer motors contribute electrical savings as well to complete the utility savings story.

\* The 59MN7A060V21--20 is the most efficient furnace at 98.5% AFUE.

† Based upon a residence in St. Louis, MO requiring a 50,000 BTUH heating load. Op cost version 3.0.4107.22653.



The Infinity 98 gas furnace with Greenspeed™ intelligence delivers superior efficiency, converting up to 98.5 cents of every dollar spent on gas into heated air for your home. Standard furnaces can waste up to 20 cents or more per dollar.

# 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 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, high-efficiency 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.

Model 59MN7  
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