Carrier

# INFINITY® SYSTEM CONDENSING GAS FURNACES

Ultra-quiet, extra-efficient comfort
with up to 98.5% AFUE

Model 59MN7, 59TN7, 59TN6

LEARN MORE AT energystar.gov

# DESIGNED WITH YOUR COMFORT IN MIND

Carrier Infinity System condensing gas furnaces represent years of design, development and testing with one goal in mind – maximizing your family's comfort. Along the way, we have remained focused on creating new technologies that deliver the superior quality and energy efficiency you demand while working to stay ahead of industry trends and global initiatives. Whether you expect extreme energy efficiency, maximum comfort, quiet operation or all of the above, Carrier Infinity condensing gas furnaces have you covered.

### INNOVATION

Our Infinity 98 furnace features Greenspeed intelligence that can make very subtle adjustments to a modulating gas valve and adaptable-speed components as conditions change. With Comfort Heat Technology®, smart Infinity electronics learn from each cycle and automatically adjust available heating stages for the ultimate combination of comfort and energy efficiency.

### EFFICIENCY

AFUE (Annual Fuel Utilization Efficiency) ratings are like your car's MPG – the higher the number, the greater the potential for savings. Infinity System condensing gas furnaces offer a range that start at 95.0% AFUE and reach as high as 98.5% AFUE. With our most efficient Infinity 98 gas furnace, you can save up to 19% annually on your gas heating costs, compared to a standard efficiency gas furnace (80% AFUE).[1]

### HUMIDITY MANAGEMENT

As a part of your home's year-round comfort system, an Infinity gas furnace can be the key to enhanced comfort and efficiency through precision humidity management. Include an Infinity system control, humidifier and an Infinity outdoor unit and let Ideal Humidity System™ technology deliver improved comfort, all year long.

### HYBRID HEAT® SYSTEM

Combining an Infinity gas furnace, an Infinity heat pump and an Infinity system control, our Hybrid Heat system automatically switches between electric and gas heating to optimize the efficiency of each fuel source. It's a great way to help manage unpredictable utility costs.

### SOUND

Our Infinity 98 furnace is one of the quietest gas furnaces you can buy. That means you can enjoy warm, winter heating at a sound level somewhere between a conversation and a whisper (but closer to a whisper!), thanks to variable-speed components, intelligent operation and an insulated cabinet.[2]

### LIMITED WARRANTY

To the original owner, our Infinity System gas furnaces are covered by a 10-year parts and lifetime heat exchanger limited warranty upon timely registration. The parts limited warranty period is five years and heat exchanger warranty is 20 years if not registered within 90 days of installation, except in jurisdictions where warranty benefits cannot be conditioned upon registration. See warranty certificate at *carrier.com* for complete details and restrictions.

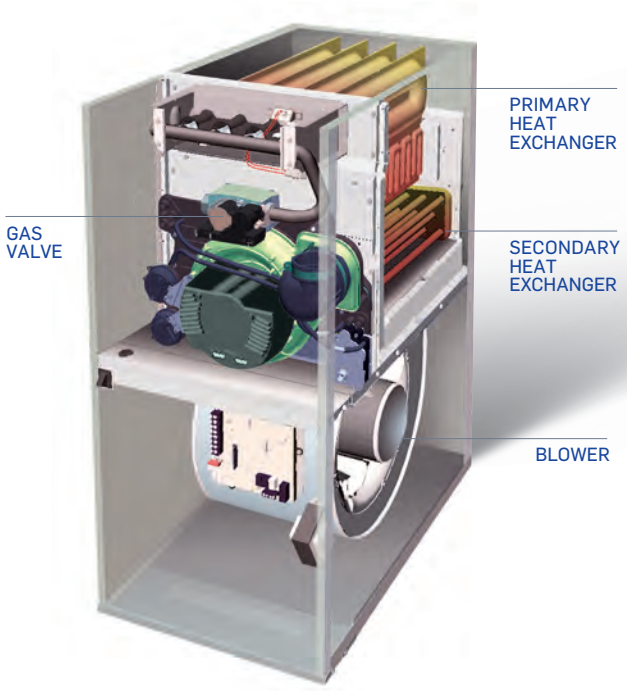
[1] Based on operating cost calculations ran for a residence in Carmel, IN requiring 60,000 BTUH heating load. Actual costs will vary depending on real weather conditions, structure type, duct work efficiencies, utility costs and actual usage. This information is intended for comparison purposes only. Op cost version 3.0.6908.20081/18.0.32

[2] 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. For comparison purposes, other sound levels published at *https://www.asha.org/public/hearing/loud-noise-dangers/*.

# THE CARRIER DIFFERENCE

If you could look under the hood of an Infinity System furnace, you'd see what drives the performance: a serious commitment to quality. The Infinity 98 includes a modulating gas valve that can be adjusted up or down in 1% increments to precisely meet heating demand. Or, the Infinity 97 and 96 provides high- and low-stage heating for quiet, consistent comfort. Variable-speed air delivery means ultra-consistent temperature control all year long and enhanced humidity control as a part of your cooling system.

To squeeze as much of the heating efficiency from the gas you use as possible, condensing gas furnaces include two heat exchangers. The primary heat exchanger does most of the work while a secondary heat exchanger squeezes additional heating energy to balance savings and comfort. Additional comfort-enhancing functions include ComfortFan™ technology, which allows you to select furnace fan speeds from the Infinity system control, and SmartEvap™ technology for added moisture control.




INFINITY 98
**GAS FURNACE**

## 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 Infinity System units measure up against our Performance™ and Comfort™ models.

| | Infinity System | Performance Series | Comfort Series |
|---|---|---|---|
| Motor Performance | Fully-communicating, variable-speed ECM operation | Non-communicating, variable-speed ECM operation | Non-communicating, multi-speed ECM operation |
| Efficiency | Up to 98.5% AFUE | Up to 97.0% AFUE | Up to 97.0% AFUE |
| Gas Valve | Modulating or Two-stage | Two-stage or Single-stage | Single-stage |
| Airflow Operation | Constant airflow | Two-stage airflow (high/low) | Single-stage airflow (on/off) |
| Diagnostic Technology | Infinity fully communicating system | InteliSense connected system | – |
| Durability | Fully-insulated, 20-gauge steel cabinet and doors | Fully-insulated, 20-gauge steel cabinet and doors | Heating compartment insulation, 20-gauge steel cabinet and doors |
| Recommended Control† | Infinity system control | ecobee for Carrier smart thermostats | Carrier Smart Thermostat |
| Limited Warranty | 10-year parts*<br>Lifetime heat exchanger** | 10-year parts*<br>Lifetime heat exchanger** | 10-year parts*<br>Lifetime heat exchanger (59SC6)**<br>20-year heat exchanger (59SC2) |

† Control sold separately, other options available.
* Upon timely registration, the warranty period is five years if not registered within 90 days of installation except where restricted by jurisdiction.
** Upon timely registration, the warranty period is 20 years if not registered within 90 days of installation except where restricted by jurisdiction.

# GAIN MORE CONTROL WITH A COMPLETE HOME COMFORT SYSTEM

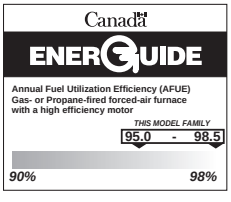
| Control | Air Conditioner or Heat Pump | Evaporator Coil | Air Purifier | Humidifier | Ventilator |
|---|---|---|---|---|---|
| | | featuring VERTEX™ Technology | | | |
| Allows precise temperature control and humidity control along with programmable features to further customized your comfort. | Provides efficient cooling or cooling/heating for comfort and potential energy savings. | Matches to the proper outdoor unit to provide more cooling efficiency and years of reliable service. | Uses Captures & Kills® technology to inactivate 99% of select airborne pathogens trapped by the filter, including coronavirus, bacteria and other pathogens.[1] | Adds moisture to the air, helping keep static and dry skin at bay. | Combines fresh outdoor air with conditioned indoor air for improved air quality. |

[1] The Infinity® air purifier has demonstrated effectiveness against the murine coronavirus, based on third-party testing (2020) showing a >99% inactivation, which is a virus similar to the human novel coronavirus (SARS-CoV-2) that causes COVID-19. Therefore, the Infinity air purifier can be expected to be effective against SARS-CoV-2 when used in accordance with its directions for use. Third-party testing (2012, 2007) also shows ≥99% inactivation for the type of virus that causes common colds, Streptococcus pyogenes and human influenza. Airborne particles must flow through your HVAC system and be trapped by the Infinity filter to be inactivated at 99%. Learn how it works at Carrier.com/purifier.

# 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, a 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.




Carrier

Turn to the experts

INFINITY® SYSTEM

carrier.com 1-800-CARRIER

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As an ENERGY STAR® partner, Carrier Corporation has determined that qualifying models meet ENERGY STAR guidelines for energy efficiency. Ask your dealer for details or visit www.energystar.gov.

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