Infinity® 80 Gas Furnace with Comfort Heat Technology® Feature

Carrier®
turn to the experts™

INFINITY™ SERIES

Efficient Gas Furnace with 80% AFUE

Indoor Air Quality

Temperature and humidity control are just two components to a truly comprehensive indoor comfort system. Improving the quality of the air in your home adds to your comfort while also protecting wood furnishings and flooring, and providing cleaner, fresher air for you to breathe.

Ask your Carrier® dealer about our complete line of indoor air quality products including the Infinity® Air Purifier, a whole-home humidifier, UV lamps, and fresh air ventilation.

The Infinity Air Purifier does more than simply capture airborne pollutants – its patented technology kills many allergens, bacteria, viruses and mold spores.

Efficient Gas Furnace Designed with Your Comfort in Mind

80% AFUE RATING

Operational Efficiency

Annual Fuel Utilization Efficiency or AFUE is like gas mileage. The higher the gas mileage or AFUE rating, the more efficient the automobile or system is.

- The Infinity® 80 gas furnace has a rating of 80% AFUE.

Things to Consider Before You Buy

Comfort Heat Technology® Feature

When temperatures outside start to dip, maintain your indoor comfort with the Comfort Heat Technology feature. Ordinary furnaces warm your home with full-speed hot-air blasts followed by idle periods, causing the temperature to drop before the next heating cycle. Carrier's exclusive Comfort Heat Technology feature is a smart technology, accurately predicting the need for heating while cutting temperature swings in half. The Comfort Heat Technology feature provides a nearly continuous flow of warmth in low-capacity operation for a steadier, more consistent indoor temperature. Longer, gentler heating cycles combined with lower fan speeds help keep your utility costs low.

ComfortHeat™

Comfort

Carrier specializes in creating a customized home comfort system tailored to your needs with our broad selection of residential heating and cooling products. Your Carrier® dealer can help you choose the best system for your home including Carrier-exclusive features that further enhance your indoor environment.

- The revolutionary Infinity® System allows you to control temperature, humidity, air quality, fan speed, ventilation; and even detects when your air filter needs replacing. It's so advanced it automatically adjusts to your system's needs for peak-efficiency and performance.
- Add an Infinity® control and enjoy ComfortFan™ technology which gives you even more control over your indoor comfort by allowing you to select your continuous fan speed at the thermostat.
- Bothered by that dry, "staticky" feeling in the winter or that muggy feeling in the summer? Add a Carrier humidifier and Infinity control to your heating and cooling system. Ideal Humidity System® technology helps control your home's humidity level.

IdealHumidity™

Sound

Carrier furnaces are designed for quiet operation. The Infinity 80 gas furnace with variable speed technology maximizes your comfort by providing quieter, more comfortable heating cycles. The QuieTech™ noise reduction system provides comfortable heat while generating very little noise in the process. In addition, an insulated cabinet helps to further isolate sound levels at their source. At Carrier, we believe home comfort shouldn't be at your ears' expense.

Comparative Sound Ratings
(decibels)

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, low fire operation (the most common operating condition), measured 3 feet from furnace. Other sound levels, mentioned for comparison, as published at *http://www.nidcd.nih.gov/health/hearing.rulex.asp.*

Carrier® Systems for Unmatched Performance

Humidifier replenishes moisture to dry air.

Evaporator Coil allows the refrigerant to absorb heat from the air as it passes over the coil surface. The evaporator coil is located with the indoor unit and is also referred to as the indoor coil.

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

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

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

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

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

Air Conditioner provides reliable, efficient cooling for long-lasting comfort and energy savings. Ask about environmentally sound Carrier air conditioners with Puron® refrigerant.

Infinity® control is the interface to the Infinity® System. The Infinity System allows you to control temperature, humidity, air quality, fan speed and ventilation.

Reliability

At Carrier, your comfort is our business. That's why we have one of the most extensive product research and development facilities in the world. Within each and every step of the development process, from the design phase to finished products, we test each product to exceed industry standard requirements. In fact, Carrier engineers test the reliability of the heat exchangers to over 200,000 cycles. That's more than six times the industry's standard of 30,000 cycles.

Safety

Built by the most trusted name in the industry, Carrier furnaces heat safely within your home. Carrier pioneered the following safety innovations:

- Hot surface ignition system eliminates the need for a pilot light, reducing gas usage and promoting worry-free operation.
- The control board constantly monitors the safety devices during heating operation. If a safety device activates for any reason, the furnace will cease operation and a status code will be displayed on the furnace control board, alerting you to any potential problems.
- Blocked-vent safeguard shuts down furnace operation if vents become inadvertently blocked to protect against potential harmful gasses escaping into your living area.

INFINITY™ 80

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 of your new equipment.* Ask your Carrier dealer about optional warranties, which include labor.

* Warranty period is five years if not registered within 90 days. Jurisdictions where warranty benefits cannot be conditioned on registration will automatically receive a 10-year parts limited warranty. See warranty certificate at carrier.com for complete details.

Technology

1. **Burner ignition** – as one of the most dependable systems available, it replaces pilot lights and reduces utility consumption.
2. **Two-stage gas valve** – provides two heating capacities. The low-capacity works during milder days or even during the milder portions of very cold days, while the high-capacity valve engages during colder temperatures.
3. **Variable speed ECM blower motor** – ensures consistent airflow and temperature maintenance, helping to keep rooms more comfortable while improving air quality.
4. **Blocked-vent safeguard** – helps protect against exhaust gasses escaping into your living area.
5. **Infinity® furnace control board** – allows the furnace to connect to the Infinity® Control for the ultimate comfort control. Smart electronics keep track of previous cycles and allow the system to automatically adjust the heating and cooling stages for the best comfort and energy efficiency.
6. **Enhanced serviceability** – door knob for easy access, easy slide-out blower assembly, improved sight glass and brighter LED allow your dealer to maintain, diagnose and service this furnace efficiently.
7. **Sealed blower cabinet** – helps this furnace achieve low air leakage standards required in some areas. Ask your dealer if this unit qualifies for rebates.

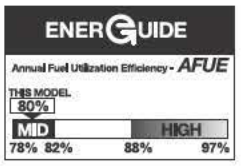
10 YEAR LIMITED WARRANTY

Turn to the Experts

Willis Carrier invented air conditioning in 1902. Over 100 years later, we're proud to say Carrier® systems are trusted in more homes than any other brand.

Carrier continues to be on the forefront of innovative engineering and unsurpassed standards of excellence. So when choosing a home comfort system, you'll want to turn to the experts. Your Carrier dealer will evaluate your home, such as window placement and size, ductwork, other structural specifics and lifestyle to provide a customized indoor comfort plan designed specifically for you. And when you have an expert helping you make an educated decision, you're going to feel more comfortable.

Carrier®
turn to the experts™



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Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.
Model 58CVA

improve comfort™

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