

# Performance™ Boost 90 Gas Furnace with Comfort Heat Technology®



turn to the experts™ 

## Performance™ SERIES



As an ENERGY STAR® partner, Carrier Corporation has determined that the Performance™ Boost 90 gas furnace meets ENERGY STAR guidelines for energy efficiency.

High-Efficiency Gas Heating with Up to 92.5% AFUE

# Greater Operational Efficiency

Annual Fuel Utilization Efficiency (AFUE) is like gas mileage. The higher the gas mileage or AFUE rating, the more efficient the motor vehicle or gas furnace is. Additionally, because your furnace can be an integral part of your cooling system, it pays to pick a furnace that can boost your cooling efficiency (SEER) during the summer months.



- The Performance™ Boost 90 gas furnace has a rating of up to 92.5% AFUE, helping reduce your monthly heating costs.
- This furnace can increase the energy efficiency of selected 13.0- and 14.0-SEER Carrier® air conditioners up to 1.5 SEER.\*

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

# Highly Efficient Gas Furnace with Your Comfort in Mind



Ask your dealer about energy efficiency rebates that may be available in your area.

13.0 14.5 SEER

Select 13.0 SEER Carrier air conditioner and select Carrier evaporator coil paired with a typical gas furnace



Same air conditioner and evaporator coil paired with a Performance Boost 90 gas furnace



# 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. The Comfort Heat Technology feature accurately predicts the need for heating while cutting temperature swings in half. The Comfort Heat

*ComfortHeat*™

Technology feature provides a nearly continuous flow of warmth in low-capacity operation for a steadier, more consistent indoor temperature. And, when extreme temperatures occur, the Comfort Heat Technology feature utilizes the high-capacity operation to quickly meet and maintain your comfort needs. Longer, gentler heating cycles combined with lower fan speeds help keep your utility costs low.

## 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 a Performance™ Boost 90 gas furnace and Carrier-exclusive features that further enhance your indoor environment.

- Your furnace plays an important role during the cooling season by circulating cool air throughout your home. Add a Carrier Edge® Thermidistat™ Control and offer SmartEvap™ technology, a feature that works with your air conditioner to provide a comfort boost by helping keep humidity levels low.
- Add a compatible Carrier thermostat and enjoy our ComfortFan™ technology, which gives you even more control over your indoor comfort by allowing you to adjust continuous fan speed at the thermostat as needed.

## Efficiency Boost

The Performance Boost 90 furnace delivers heating efficiency of 90% AFUE or better. That means your family can relax and enjoy warm winter comfort as well as savings beyond those of a typical standard gas furnace.

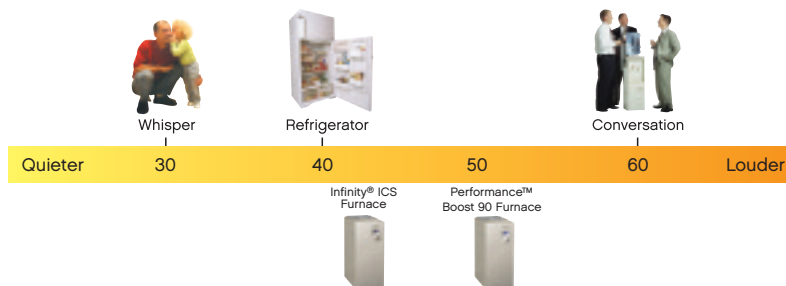
As a part of your total indoor comfort system, this furnace plays a vital role during the cooling season as well by delivering comfortable, conditioned air to your home. The Performance Boost 90 furnace can help selected 13.0 and 14.0 SEER Carrier air conditioners achieve added energy efficiency up to 1.5 SEER.\* It's an economical way to meet higher cooling efficiency expectations while also filling your need for a high quality gas furnace.

## Sound

Carrier furnaces are designed for quiet operation and the Performance Boost 90 furnace is no exception. How does it stay so quiet? The QuietTech™ noise reduction system, a Carrier patented combustion system, provides comfortable heat while generating very little sound in the process. And for what little sound a Carrier system does make, an insulated cabinet helps further isolate sound levels at their source.

## 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/ruler.asp>.

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

# Carrier® Systems for Unmatched Performance

**Humidifier** replenishes moisture to dry air.

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

**Gas Furnace** provides reliable, high-efficiency 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 – 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. (Requires compatible thermostat.)

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

**Edge® Thermidistat™ Control** allows precise temperature control and programmable features to further customize your comfort.



## 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 step of the development process, from the design phase to finished products, we test each and every product to exceed industry standard testing 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.

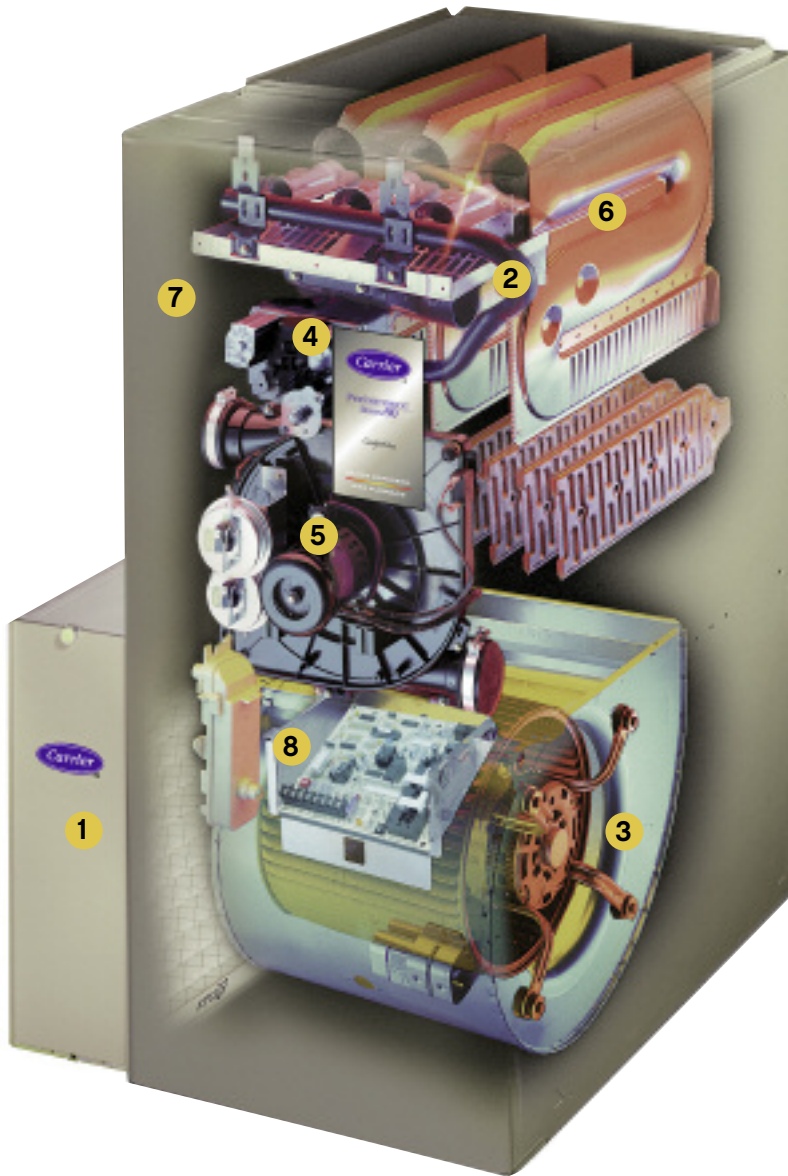
## Safety

Built by the most trusted name in the industry, Carrier furnaces heat safely within your home. Carrier pioneered the following safety innovations over a decade before they became an industry requirement:

- 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 service professionals to any potential problems.

Performance™  
Boost90

## Technology



- 1 Optional air cleaner cabinet** – allows for the easy and convenient addition of a Carrier® high-efficiency air filter for enhanced air quality.
- 2 Burner ignition** – as one of the most robust and durable ignition systems available, Power Heat™ hot surface ignition replaces pilot lights and reduces utility consumption.
- 3 Energy-saving brushless DC blower** – the electronically-controlled, ECM blower motor provides airflow optimized for your home's needs. The blower motor offers higher efficiency performance than most standard PSC-type motors.
- 4 Two-stage gas valve** – provides two heating capacities. The low-capacity stage works during milder days while the high-capacity engages during colder temperatures.
- 5 Two-speed inducer** – precisely controls air intake within the combustion system for high-efficiency performance.
- 6 Two heat exchangers** – extract heat from the gas you burn and transfer it to warm the air. The primary heat exchanger extracts 80% of the heat while the secondary heat exchanger extracts an additional 11 – 15%, helping to ensure efficient, reliable performance.
- 7 Sealed combustion system** – reduces cold air infiltration while providing quieter operation.
- 8 Patented control board** – allows customized comfort with enhanced temperature maintenance and efficiency at your fingertips.

## Specifications

Gas Furnaces	Infinity® System	Humidity Control	Blower Speed	Comfort Heat Technology®	AFUE Rating	Heat Stages	SEER Boost
Infinity® ICS Furnace	✓	Ideal Humidity System® Technology	Variable	✓	Up to 95.0*	Multi	
Infinity 96 Furnace	✓	Ideal Humidity System® Technology	Variable	✓	Up to 96.6*	2	
<b>Performance™ Boost 90 Furnace</b>		<b>Enhanced</b>	<b>4-5</b>	<b>✓</b>	<b>Up to 92.5*</b>	<b>2</b>	<b>✓</b>
Comfort™ 92 Furnace		Enhanced	3-4		Up to 95.5*	1	

\* ENERGY STAR® rated

## Limited Warranty

To the original owner, the Carrier Performance Boost 90 gas furnace is covered by a 10-year parts and lifetime heat exchanger limited warranty upon timely registration of your new equipment.\* The secondary heat exchanger carries a 20-year labor limited warranty. Ask your Carrier dealer about optional extended warranties, which may include labor.

\* Warranty period is five-years on parts and 20-years on heat exchangers if not registered within 90 days. Jurisdictions where warranty benefits cannot be conditioned on registration will automatically receive a 10-year parts limited warranty and a lifetime parts warranty on the heat exchangers. See warranty certificate at [carrier.com](http://carrier.com) for complete details.





## 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.



turn to the experts™ 

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

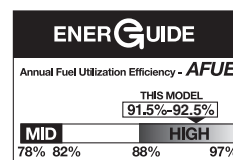
1-800-CARRIER

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

© Carrier Corporation 2010

01-858-508-25

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



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