

**TEMPSTAR**<sup>®</sup>  
Heating and Cooling Products

Ultra-Low NOx

# GAS FURNACES

## WARM INDOOR COMFORT



Ion<sup>®</sup> System  
G95CSU/G80CSU

Performance Series  
N95ESU/N80ESU



# COMFORT WITH CONFIDENCE



Tempstar ultra-low NOx gas furnaces deliver the soothing warmth of natural gas heating while meeting the South Coast Air Quality Management District and San Joaquin Valley Air Pollution Control District NOx emissions limits. With significantly reduced emissions compared to standard and low-NOx models, they provide the durability and comfort you deserve during the colder seasons. For continued comfort when the weather warms up, add a properly matched Tempstar air conditioner or heat pump to create a complete Tempstar indoor comfort system.

## WHAT MATTERS IN A GAS FURNACE?

### ENERGY SAVINGS



AFUE (Annual Fuel Utilization Efficiency) measures the heating efficiency of a gas furnace. The higher the number, the greater the potential for energy savings. Ion<sup>®</sup> System and Performance Series furnaces offer a range from 80% up to 95% AFUE.

### CONSISTENT COMFORT



To keep your comfort consistent, our Ion 95 ultra-low NOx furnace operates nearly continuously, making subtle adjustments to adaptable-speed components to match the changing conditions of your home.

### EASY TO CONTROL



Easily manage your entire home's comfort using the communicating Ion system control via its full-color touch screen, Ion Home mobile app or voice commands.

### QUIET PERFORMANCE



Enjoy quiet system performance by selecting models with insulated cabinet components.

### PEACE OF MIND



Rest easy with a 10-year parts and lifetime heat exchanger limited warranty\* (on select models) upon timely registration.\*\*

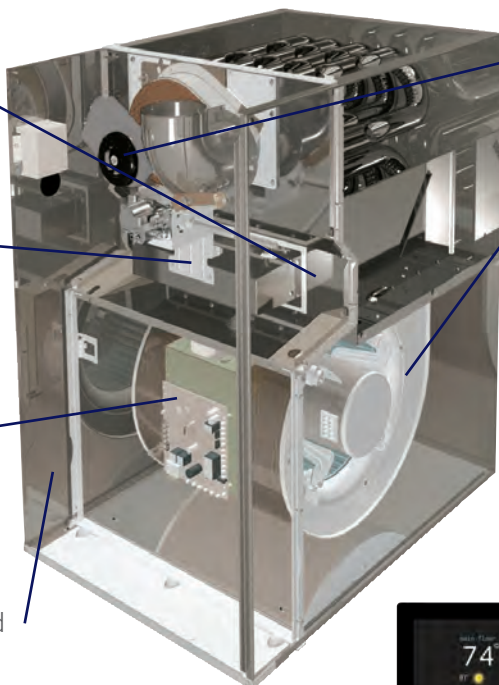
## WHAT SETS TEMPSTAR ION AND PERFORMANCE ULTRA-LOW NOx GAS FURNACES APART?

**Reliable** – Our hot surface ignition system features an advanced silicon nitride igniter and in-shot burners for reliable comfort you can count on.

**Ultra-Low NOx** – Pre-mix burner technology within our burner box contributes to 65% less NOx emissions than a standard low-NOx furnace.

**System Control** – State-of-the-art electronic controls monitor system operation and allow for faster, easier system diagnostics.

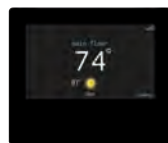
**Quiet** – Solid, pre-painted steel insulated cabinet with tight-fit door latch, isolated blower motor, and soft-mount rubber gaskets on key components contribute to quieter operation.



**N80ESU  
Gas Furnace**

**Safety** – Temperature limit control, reliable gas valve and induced draft motor all promote safe operation.

**Efficiency** – Ion System furnaces include variable-speed constant airflow ECM fan motors and Performance Series models include a multi-speed ECM blower motor to provide exceptional efficiency. When matched with a Tempstar air conditioner or heat pump and a humidity-sensing thermostat, our furnaces can provide enhanced dehumidification and the potential for additional energy savings.



**Ion System Control** – Our innovative Ion System Control includes full-color touch screen technology for intuitive and powerful command over temperature, humidity, comfort scheduling, energy management and more.

## THE BENEFITS OF ULTRA-LOW NOx EMISSIONS

Airborne NOx combines with other pollutants in ways that can affect human health and the environment by contributing to smog, acid rain, algal blooms and the deterioration of water quality.<sup>†</sup> With a 65% reduction in NOx emissions compared to a standard low NOx model, a Tempstar ultra-low NOx gas furnace makes sense for the environmentally aware homeowner.

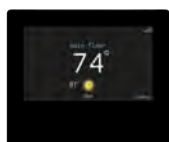


### EXCEPTIONAL PEACE OF MIND

Our No Hassle Replacement™ limited warranty backs every Tempstar Ion System product. It means comfort with no questions. We'll replace your unit if the heat exchanger fails within the covered period.\* This provides extra coverage in addition to a 10-year parts limited warranty.\*\*

## COMPONENTS OF A COMPLETE TEMPSTAR SYSTEM

We offer a complete family of products designed to provide year-round comfort, control and efficiency. Your Tempstar dealer can help create a properly matched system to best fit your needs and your budget.



**Thermostats**



**Air Conditioners**



**Heat Pumps**



**Evaporator Coils**

<sup>†</sup> <https://www.epa.gov/nutrientpollution/effects-environment>



## TEMPSTAR ULTRA-LOW NOx GAS FURNACES

Our ultra-low NOx gas furnaces can elevate your comfort when the temperature drops outside. From the fully-featured Ion communicating system to our more budget-friendly options, Tempstar ultra-low NOx gas furnaces include features like variable-speed fan motors and sound-reducing insulated blower compartments. Regardless of which model is right for you, we have a furnace for every home.

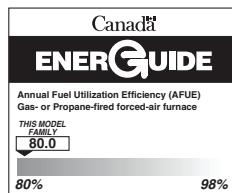
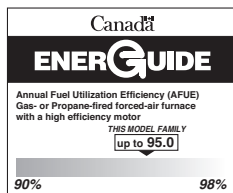
Tempstar Ultra-Low NOx Gas Furnace Options	ION SYSTEM		PERFORMANCE SERIES	
	G95CSU	G80CSU	N95ESU	N80ESU
<b>Comfort Features</b>				
Quiet Operation	Best	Best	Good	Good
Temperature Control	Best	Best	Good	Good
<b>Efficiency</b>				
Heating AFUE	Up to 95	80	Up to 95	80
ECM Fan Motor	•	•	•	•
ENERGY STAR® Certified	•		•	
<b>Design Features</b>				
Ion Communicating System Compatible	•	•		
Single-Stage Gas Valve	•	•	•	•
Variable-Speed Fan Motor	•	•		
<b>Peace of Mind</b>				
10-Year Parts Limited Warranty**	•	•	•	•
No Hassle Replacement Limited Warranty*	5-Year	5-Year		
Heat Exchanger Limited Warranty**	Lifetime	Lifetime	20-Year	20-Year

Many models are ENERGY STAR® qualified. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).

\* See warranty certificate for complete details and exclusions.

\*\* Timely registration required for 10-year parts limited warranty and lifetime heat exchanger limited warranty. Limited warranty period is five years for parts and 20 years for heat exchanger if not registered within 90 days of installation except in jurisdictions where warranty benefits cannot be conditioned upon registration. Please see warranty certificate for further details and restrictions.

All systems tested and listed by the appropriate agencies.



ISO 9001: 2015 certified

**TEMPSTAR**  
Heating and Cooling Products

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A Proud Member of the Carrier Family

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G95CSU/G80CSU/N95ESU/N80ESU Series  
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