

Ion® 95 Ultra-Low NOx Gas Furnace

The Tempstar® Ion 95 ultra-low NOx gas furnace, launch information to be announced in late 2019, will deliver consumer comfort in a unit that meets or exceeds California's South Coast Air Quality Management District (SCAQMD) and San Joaquin Valley Air Pollution Control District (SJVAPCD) new requirements for dramatically reduced NOx emissions. Offering features and benefits representative of our Ion® System gas furnaces, this furnace releases less nitrogen oxides (NOx) than current models. NOx contributes to the formation of smog and acid rain and the deterioration of water quality. The Ion 95 ultra-low NOx gas furnace also provides an alternative for homeowners concerned about the high electricity costs associated with heat pumps in these areas.

Product Features and Benefits

Efficiency

- Up to 95% AFUE
- 60k, 80k and 100k Btu/h capacities

Technology

- Single-stage gas valve
- Fully communicating Variable-Speed, Constant Airflow (VCA) ECM blower motor
- Pilot-free, hot surface ignition
- Variable-speed inducer motor
- Stainless steel tubular heat exchanger
- Ultra-low NOx burner technology

Performance

- Pre-mix burner with variable-speed inducer for optimal combustion and quiet operation
- Dual-fuel compatible
- Ultra-low NOx emissions meet 14 nanograms/joule limit, which is 65% less than the current low NOx standard in California
- Meets California's South Coast Air Quality Management District (SCAQMD) and San Joaquin Valley Air Pollution Control District (SJVAPCD) ultra-low NOx requirements

Durability/Reliability

- 20-gauge galvanized steel with appliance-finish cabinet
- Stainless steel heat exchanger for extreme durability and longevity
- Stainless steel cell panel and burner components

Compatibility

- Ion® System Control
- Compatible with current Ion® System air conditioners and heat pumps including two-stage and variable-speed models



Model F95CSU

Ion 95 Ultra-Low NOx Gas Furnace

Model	Btu/h Input	Ton (Up to)	AFUE* (Up to)	H (In.)	D (In.)	W (In.)
F95CSU060	60k	4	95%	35	29.5	17.5
F95CSU080	80k	5	95%	35	29.5	21
F95CSU100	100k	5	95%	35	29.5	21

*Preliminary data, subject to change.

Flexibility and Peace of Mind for Your Customers

Design and Installation

- Flexible installation: upflow or horizontal
- Versatile venting for tight-fit applications
- Intelligent Ion® System setup and commissioning, including duct assessment and charge assist for a matched air conditioner or heat pump

Warranty Coverage

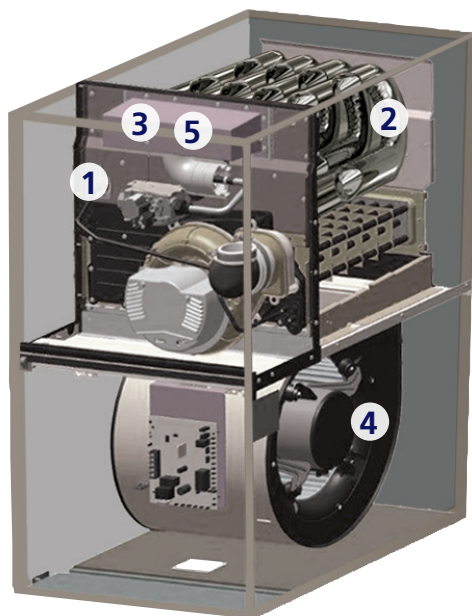
- Ten-year parts limited warranty upon timely registration*
- Lifetime heat exchanger limited warranty

System Flexibility

- Pair our ultra-low NOx furnace with a Tempstar® two-stage or variable-speed air conditioner for enhanced year-round comfort
- Or, pair it with a Tempstar® two-stage or variable-speed heat pump and compatible thermostat to create a dual-fuel system

Built with Strength

Each unit is 100% run tested, and we design our products to give you the best in quality, energy efficiency and reliability. It's our tradition to deliver products that exceed homeowner expectations. Here are some features and functions that your customers will enjoy:



- 1 Single-Stage Gas Valve** – delivers consistent, reliable performance and use of natural gas.
- 2 Stainless Steel Tubular Heat Exchanger** – contributes to lasting durability with corrosion-resistant design.
- 3 Hot Surface Ignition** – is one of the most robust and durable ignition systems available. It eliminates the need for a pilot light, reducing gas usage and promoting worry-free operation.
- 4 Variable-Speed, Constant Airflow (VCA) ECM Blower Motor** – variable airflow allows for the best in comfort, ultra-quiet operation and exceptional electrical motor efficiency. During cooling, it contributes to enhanced dehumidification for improved comfort and potential energy savings.
- 5 Pre-Mix Burner** – combines combustion air with gas at the right ratio for a cleaner burn. Stainless steel components and the Tempstar® pre-mix burner design allows for the airflow within the box to self-cool the outer box of the burner.

Key Selling Features

✓ Ultra-Low NOx

Designed to meet or exceed California's South Coast Air Quality Management District (SCAQMD) and San Joaquin Valley Air Pollution Control District (SJVAPCD) standards for ultra-low NOx 14 ng/J emissions. The Ion® 95 ultra-low NOx gas furnace provides warm winter heating with 65% lower NOx emissions than models compliant with current low NOx standards.

✓ Dual-Fuel Compatible

Combine a Tempstar ultra-low NOx gas furnace, a Tempstar heat pump and a compatible thermostat to create a dual-fuel system. Its ability to automatically switch between electric and gas heating makes a dual-fuel system a good defense against unpredictable utility costs.

✓ Efficiency

AFUE (Annual Fuel Utilization Efficiency) ratings are like your car's MPG – the higher the number, the greater the potential savings. The Ion 95 ultra-low NOx gas furnace delivers up to 95% AFUE heating. Equipped with an ECM blower motor, this furnace also achieves enhanced electrical efficiency and provides a boost to the cooling system's SEER (Seasonal Energy Efficiency Ratio) over older models with PSC motors.

✓ Environment

NOx emissions contribute to ground-level ozone, respiratory problems, acid rain, water quality deterioration and global warming. The Ion 95 ultra-low NOx gas furnace releases less NOx than current low NOx models.