

Arcoaire® Ultra-Low NOx Gas Furnaces

Arcoaire®
Air Conditioning & Heating
Enduring Performance.



Ion™ System
F95CSU/F80CSU
Performance Series
N95ESU/N80ESU





Built with strength

When you choose Arcoaire® heating and cooling equipment, it means your home comfort is backed by advanced engineering and quality manufacturing so you can enjoy more important things. Each unit is 100% run tested, and we design our products to give you exceptional quality, energy efficiency and reliability. We deliver products that deliver home comfort you can enjoy with confidence.

Backed by exceptional warranties

Our No Hassle Replacement™ limited warranty backs every Arcoaire 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 the 10-year parts limited warranty.**

**NO
hassle**
REPLACEMENT™
LIMITED WARRANTY*

see warranty certificate for details

10 year
parts
limited
warranty**

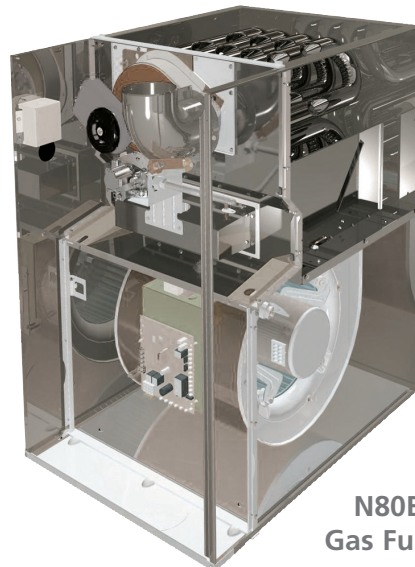
Timely registration required.
See warranty certificate for details and restrictions.

What is an ultra-low NOx gas furnace?

Arcoaire ultra-low NOx gas furnaces are designed for durability and comfort. The warmth and efficiency of natural gas combined with a quiet, efficient blower motor delivers comfort throughout the cold seasons. And because they are ultra-low NOx, they meet the South Coast Air Quality Management District and San Joaquin Valley Air Pollution Control District NOx emissions limits. Add an indoor evaporator coil and properly matched outdoor air conditioner or heat pump to provide cooling during the warm seasons.

Arcoaire ultra-low NOx gas furnaces

Arcoaire ultra-low NOx gas furnaces offer great comfort in the cold seasons, from our highest featured Ion™ communicating system to the more budget-friendly. With available features like variable-speed fan motors, variable-speed inducer motors and sound-reducing insulated blower compartments, there's a furnace for every home.



N80ESU
Gas Furnace

WHAT SETS ARCOAIRE® ULTRA-LOW NOx GAS FURNACES APART?

- **Reliable** – Direct hot surface ignition system features an advanced silicon nitride igniter for reliability.
- **Safety** – Temperature limit control, reliable gas valve, induced draft motor and blocked vent protection on the 80% AFUE models all promote safe operation.
- **Quiet** – Fully insulated, solid pre-painted steel cabinet with tight-fit door latch system, blower motor isolated behind a sealed door, and soft-mount rubber gaskets on key components lower operating sounds.
- **Efficient** – For efficient heating performance, a variable-speed inducer fan delivers the right amount of air needed to the unit's heat exchanger. The single-stage gas valve provides the right amount of fuel needed for effective, economical home heating.
- **Comfort** – Ion™ System models offer enhanced comfort benefits, including warm-weather dehumidification with our variable-speed, constant airflow ECM blower motor. Performance Series models include our multi-speed ECM blower motor.
- **Ultra-low NOx** – Pre-mix burner technology within our burner box contributes to 65% less NOx emissions than a standard low NOx furnace.
- **Durable** – Stainless steel cell panel, burner components and tubular heat exchanger provide corrosion resistance for lasting durability.

* See No Hassle Replacement limited warranty certificate for complete details and exclusions.

** To the original owner, Arcoaire products are covered by a 10-year parts limited warranty upon timely registration. The limited warranty period is 5 years if not registered within 90 days of installation except in jurisdictions where warranty benefits cannot be conditioned upon registration. See warranty certificate for complete details.

What matters in a gas furnace?

Get the most out of a heating system by choosing the gas furnace that fits your comfort needs. All of our ultra-low NOx gas furnaces include durable features to deliver lasting performance. For exceptional comfort, efficiency and convenience, ask about our Ion™ communicating system models with Wi-Fi® capability. Because the furnace blower runs during the cooling season, look for variable-speed ECM blower motors for year-round efficiency. Our quietest models feature insulated blower and heater compartments. And our No Hassle Replacement™ limited warranty is offered on our premium products to give you peace of mind.* Arcoaire® gas furnaces offer energy efficiency, comfort, durable performance, and quiet operation.

The benefits of reduced 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.† With a 65% reduction in NOx emissions compared to a standard low NOx model, an Arcoaire ultra-low NOx gas furnace makes sense for the environmentally aware homeowner.

Efficiency ratings – what do they mean?

Annual Fuel Utilization Efficiency (AFUE) – Measures the heating efficiency of a gas furnace. The higher the AFUE, the greater the gas heating efficiency and energy savings potential.

F95CSU Ion™ 95 Ultra-Low NOx Gas Furnace

- Up to 95% AFUE heating efficiency
- Single-stage gas valve
- Variable-Speed, Constant Airflow (VCA) ECM blower motor
- Communicating capability
- 5-year No Hassle Replacement™ limited warranty*
- Lifetime heat exchanger limited warranty (upon timely registration)**
- 10-year parts limited warranty (upon timely registration)**

UP TO
95%
AFUE

N95ESU Performance 95 Ultra-Low NOx Gas Furnace

- Up to 95% AFUE heating efficiency
- Single-stage gas valve
- Fixed-Speeds, Constant Torque (FCT) ECM blower motor
- 20-year heat exchanger limited warranty (upon timely registration)**
- 10-year parts limited warranty (upon timely registration)**

UP TO
95%
AFUE

F80CSU Ion™ 80 Ultra-Low NOx Gas Furnace

- 80% AFUE heating efficiency
- Single-stage gas valve
- Variable-Speed, Constant Airflow (VCA) ECM blower motor
- Communicating capability
- 5-year No Hassle Replacement™ limited warranty*
- Lifetime heat exchanger limited warranty (upon timely registration)**
- 10-year parts limited warranty (upon timely registration)**

80%
AFUE

N80ESU Performance 80 Ultra-Low NOx Gas Furnace

- 80% AFUE heating efficiency
- Single-stage gas valve
- Fixed-Speeds, Constant Torque (FCT) ECM blower motor
- 20-year heat exchanger limited warranty (upon timely registration)**
- 10-year parts limited warranty (upon timely registration)**

80%
AFUE

Wi-Fi® is a registered trademark of Wi-Fi Alliance Corporation

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

* See No Hassle Replacement limited warranty certificate for complete details and exclusions.

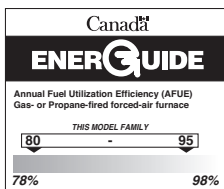
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	ION™ SYSTEM		PERFORMANCE SERIES	
Arcoaire® Ultra-Low NOx Gas Furnace Options	F95CSU	F80CSU	N95ESU	N80ESU
Comfort Features				
Quiet Operation	Best	Best	Good	Good
Temperature Control	Best	Best	Good	Good
Efficiency				
Heating AFUE	Up to 95	80	Up to 95	80
SEER Boosting ECM Fan Motor	•	•	•	•
Design Features				
Ion™ Communicating System compatible	•	•		
Single-Stage Gas Valve	•	•	•	•
Variable-Speed Fan Motor	•	•		
Peace of Mind				
10-Year Parts Limited Warranty**	•	•	•	•
No Hassle Replacement™ Limited Warranty*	5-yr	5-yr		
Heat Exchanger Limited Warranty**	Lifetime	Lifetime	20-yr	20-yr

* See No Hassle Replacement limited warranty certificate for complete details and exclusions.

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All systems tested and listed by the appropriate agencies.



ISO 9001: 2000 Registered



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N95ESU/N80ESU/F95CSU/F80CSU Series
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