

**80%
AFUE**
Gas Furnaces



EFFICIENT PERFORMANCE AT ALL TIMES, IN ALL KINDS OF WEATHER.

BUILT FOR LIFE. YOURS.

AIREASE

AIREASE®

Built for life. Yours.



Delivering consistent comfort and peace of mind

Since 1928, we've been providing homeowners with reliable, well-built heating and cooling products that make life easier and more comfortable. Thoughtfully designed, our AirEase® line of gas furnaces offers an impressive array of technology that makes them extremely quiet, dependable and energy efficient. So you can enjoy peace, quiet and comfort every day of every year.

HVAC experts you can trust

Your comfort is our priority. Your AirEase Dealer will take the time to understand your comfort needs. They know you want the best performance, value and dependability from your heating system, and they have the products and expertise to satisfy these demands. That means you can rely on your AirEase Dealer to help you to find exactly the right comfort solution for your home and your lifestyle.

Helping to create the perfect environment.

Choosing the right heating and cooling system for your home environment is a big decision. Your AirEase® Dealer can help you create the right system for your home comfort needs. To help you make the best and smartest system choice, here are a few things to consider:



Efficiency

It's pretty simple. A high-efficiency system helps lower your monthly utility bills. Efficiency is measured in AFUE (Annual Fuel Utilization Efficiency)—the higher this number, the greater the efficiency. Replacing an older unit with a 80%+ AFUE unit can increase performance and start saving you money immediately.



Reliability

You can always count on your AirEase unit. Innovations such as our EHX™ Technology and unique burner design work together to deliver premium performance and even heat exchange, which will extend the life of your furnace.



Air Quality

Where you live matters. Your family's sensitivity to a host of natural and man-made allergens means enhanced air quality is critical in your home. And don't forget humidity levels when you're considering the ideal system for year-round comfort.



Peace of Mind

More control over your comfort—that's our commitment to you. You can see it in our craftsmanship and innovation—like our proprietary Comfort Sync® thermostat, which allows you to easily monitor your unit's performance and enjoy maximum comfort in your home.



Noise Reduction

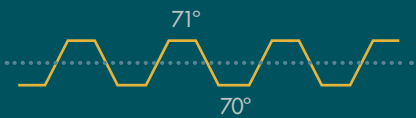
Comfort and performance also include quiet operation of your system. Our Quiet Combustion™ Technology offers a quieter start-up and can help reduce operating noise.



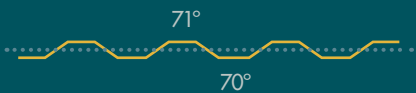
Furnace System Basics

The most common type of system pairs an interior gas furnace with an exterior air conditioner. Furnaces can also be paired with a heat pump, which is then called a dual-fuel system. Matching your furnace with a compatible AirEase® air conditioner or heat pump will generate a matched system and provide the stated efficiency and performance.*

How motor stages affect temperature control



Fixed Speed (PSC): A reliable, single-speed, direct-drive motor provides a consistent airflow to maintain even temperature ranges.

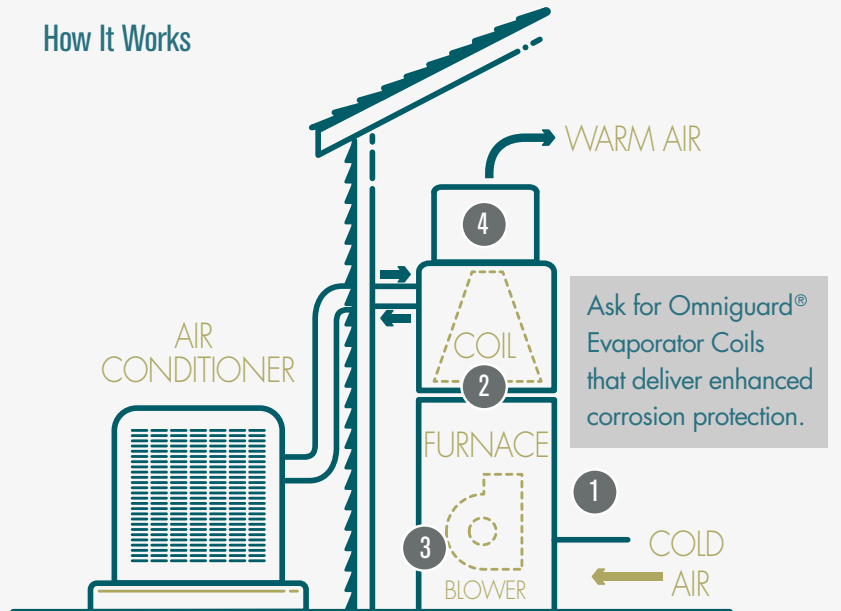


Constant Torque: The single-speed blower maintains a more consistent airflow operating with greater efficiency.

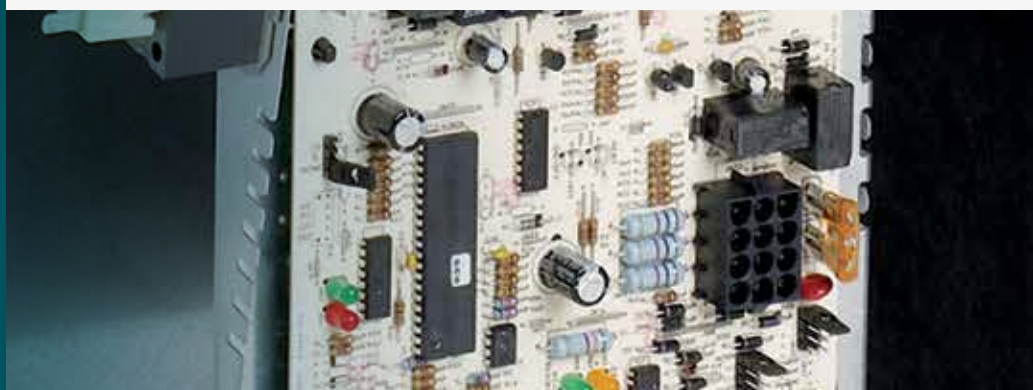


Variable Speed: The blower constantly adjusts airflow and humidity levels, which creates more even temperatures throughout your home, while also being the most energy efficient.

How It Works

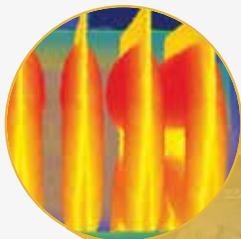


1. When it gets cold inside your home, your thermostat automatically activates your gas furnace to compensate.
2. The burners ignite the gas and create warm air in the heat exchanger.
3. The blower turns on and forces the warm air throughout your home via ducts.
4. Warm air is circulated throughout your home until the desired temperature is achieved.



Engineered to help deliver maximum energy savings and exceptional comfort.

Inside every AirEase® gas furnace, you'll find a high level of technology and craftsmanship, backed by a Lifetime Limited Warranty on the heat exchanger.**



Model shown **A802V**

EHX™ Technology:

Every AirEase furnace is engineered and built with EHX™ Technology, a patented design that eliminates the hot spots that can shorten furnace life. EHX™ Technology makes heat exchangers more durable, and with its advanced airflow system, more air contacts the heat exchanger surface area for greater heat transfer into the home, enhancing efficiency and comfort.

Noise Reduction:

Insulated cabinet prevents loss of warm air while helping to reduce noise from the motor.

Quiet Combustion™ Technology:

Uses a lower Btu input per burner for quieter start-up and operation.

Internal Monitoring:

Your AirEase furnace's electronic control system can prolong system life by continuously monitoring internal components for optimum performance and fault prevention.

Comfort Sync® Enabled:

Our Pro Series™ communicating-enabled models provide benefits for installation and maintenance diagnostics, as well as full voice and app-control and precision zoning for complete comfort.

Dual-Fuel

The combination of a gas furnace and an electric heat pump pairs two energy sources for the perfect balance of energy efficiency and comfort.

* See AHRI rating certificate.

** Timely registration required (except in California, Quebec, or any other jurisdiction where registration requirements to effectuate warranties are prohibited by law). We encourage you to read the full terms and conditions at www.AirEase.com.

A variable-speed, two-stage gas furnace built to exacting standards.



A802V

Precision engineered with the highest degrees of craftsmanship for consistent comfort

Longer, gentler heat cycles run at low capacity during mild weather to save money and provide maximum control. It automatically switches to full capacity to keep you warm on colder days. A variable-speed blower modifies airspeed to create a more comfortable environment without hot or cold spots and automatically provides dehumidification to enhance comfort levels. Pair the A802V with a Pro Series™ outdoor unit and the Comfort Sync® thermostat for maximum control.

80% AFUE	
EHX™ Technology	
Quiet Combustion™ Technology	
Two-Stage Gas Valve	
Variable-Speed Blower Motor	
Comfort Sync® Enabled	
Lifetime Warranty on Heat Exchanger**	
Enhanced Humidity Control	

Make the Most of Your Gas Furnace

The Comfort Sync® A3 Ultra-Smart Thermostat unlocks the full potential of your AirEase® Pro Series™ system. Working together, they deliver enhanced comfort control, optimum system performance and maximum energy efficiency. Using the Comfort Sync® app, the thermostat can be controlled from anywhere, at any time.‡ The Comfort Sync® A3 also works with Alexa† and Google‡ Assistant, and can be controlled using voice commands.

* Actual system efficiency may vary; savings may vary depending on use, geography, lifestyle, maintenance, installation and other factors.

** 10-year limited warranty on parts and a limited lifetime warranty on the heat exchanger. Timely registration required (except in California, Quebec, or any other jurisdiction where registration requirements to effectuate warranties are prohibited by law). We encourage you to read the full terms and conditions at www.AirEase.com.

‡ App requires Wi-Fi or cellular data service.

† Comfort Sync® A3 is compatible with AirEase HVAC products and requires separate purchase of Amazon Echo or Echo Dot. As of the date of this publication, Amazon Echo devices are not available for purchase in all countries. This reference is intended for use with U.S.-based thermostats only. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.

‡ Google is a trademark of Google LLC.









A two-stage gas furnace offering even temperatures at a comfortable price.

Reliable single-stage furnaces deliver year-after-year performance.

A802E

Quality and dependability with premium features







The two-stage gas valve and constant torque blower motor help optimize system performance and furnace performance while helping to reduce your energy bills.* In the first stage of operation, it runs at 66% of the furnace's full capacity. When outside temperatures drop, the second stage kicks on, allowing warm air to be evenly distributed throughout the home. And since it runs on a lower Btu input per burner, it has a quieter start-up and operation.

80% AFUE	
EHX™ Technology	
Quiet Combustion™ Technology	
Two-Stage Gas Valve	
Constant Torque Blower Motor	
Lifetime Warranty on Heat Exchanger**	

A801E

Reliable performance and comfort

The constant torque blower motor provides a steady flow of air, maintains a more consistent airflow than a fixed-speed PSC motor, and helps eliminate hot or cold spots for more even temperatures throughout your home. When you set your thermostat to "Fan On," the furnace circulates air at low speed, using less energy and improving air filtration. The motor also operates with greater efficiency and less noise.

80% AFUE	
EHX™ Technology	
Quiet Combustion™ Technology	
Single-Stage Gas Valve	
Constant Torque Blower Motor	
Lifetime Warranty on Heat Exchanger**	



Efficiency



Reliability



Air Quality



Peace of Mind



Noise Reduction



	Precision engineered for consistent comfort	Enhanced performance with premium features	Increased efficiency and heat circulation
Features	A802V**	A802E	A801E
AFUE	80%	80%	80%
EHX™ Technology	●	●	●
Quiet Combustion™ Technology	●	●	●
Dehumidification	●		
Gas Valve	1-Stage Gas Valve		●
	2-Stage Gas Valve	●	●
Blower Motor	Constant Torque	●	●
	Variable Speed	●	
Comfort Sync® Enabled	●		
Warranty on Heat Exchanger*	Lifetime	Lifetime	Lifetime

* 10-year limited warranty on parts and a limited lifetime warranty on the heat exchanger. Timely registration required (except in California, Quebec, or any other jurisdiction where registration requirements to effectuate warranties are prohibited by law). We encourage you to read the full terms and conditions at www.AirEase.com.

** Low NOx (14ng/J) compliant available.



Due to our policy of continuous improvement, specifications are subject to change without notice.

Printed in U.S.A.
©2021 Allied Air Enterprises LLC,
a Lennox International Inc. Company

Form No. JF80FL-300 (07/21)



California Only

This furnace does not meet the South Coast Air Quality Management District (SCAQMD) Rule 1111 NOx emission limit (14 ng/J) and cannot be installed in the SCAQMD.

If installed in San Joaquin Valley Air Pollution Control District (SJVAPCD) only: This furnace does not meet the SJVAPCD Rule 4905 NOx emission limit (14 ng/J), and thus is subject to a mitigation fee of up to \$450.

