

90%+
AFUE
Gas Furnaces



ENGINEERED FOR EFFICIENCY AND RELIABLE PERFORMANCE. TRUSTED BY PROFESSIONALS.

THE PROFESSIONAL'S CHOICE




The Professional's Choice



A legacy of craftsmanship and commitment

Our 80-year history is built on the foundation of strong products and even stronger dedication to excellence. The Armstrong Air® line of furnaces is the perfect example of what happens when you set out to be the best. Quiet, energy efficient and made with pride by people who know quality, Armstrong Air represents the premium choice of HVAC professionals throughout North America.

Expert guidance every step of the way

Choosing the right HVAC professional is just as important as the furnace you're buying. Going with an Armstrong Air dealer means working with a true HVAC professional. You can be confident knowing their knowledge and expertise will help you make the right decisions on all your HVAC needs. They'll also help ensure your system operates at maximum performance for years to come.

Creating the perfect environment.

At Armstrong Air, creating the perfect system for you is our first priority. We recognize that buying a new heating and cooling system is a big decision. Having all the facts, and some professional advice, can help you select the system best suited for your home and your family's needs. When selecting a unit, it's important to remember that everyone's needs are different. What's most important to you and your family? 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 90%+ AFUE unit or higher can increase performance and start saving you money immediately.



Reliability

You can always count on your Armstrong Air unit. 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 technology—like our proprietary Comfort Sync™ controls, used with our Pro Series™ models, which allow you to easily monitor your unit's performance and enjoy maximum comfort in your home.



Noise Reduction

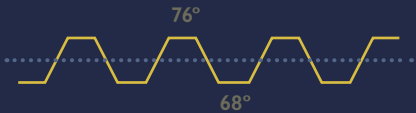
Comfort and performance also include quiet operation of your system. Enjoy quieter start-up and operation with our Quiet Combustion™ Technology.



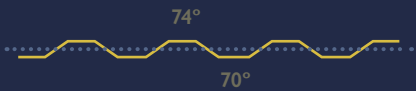
Furnace System Basics

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 Armstrong Air® air conditioner or heat pump will generate optimum efficiency and ideal system performance.

How gas valves affect temperature control



Single-Stage: A reliable, single-stage gas valve provides a consistent gas flow to maintain temperature.

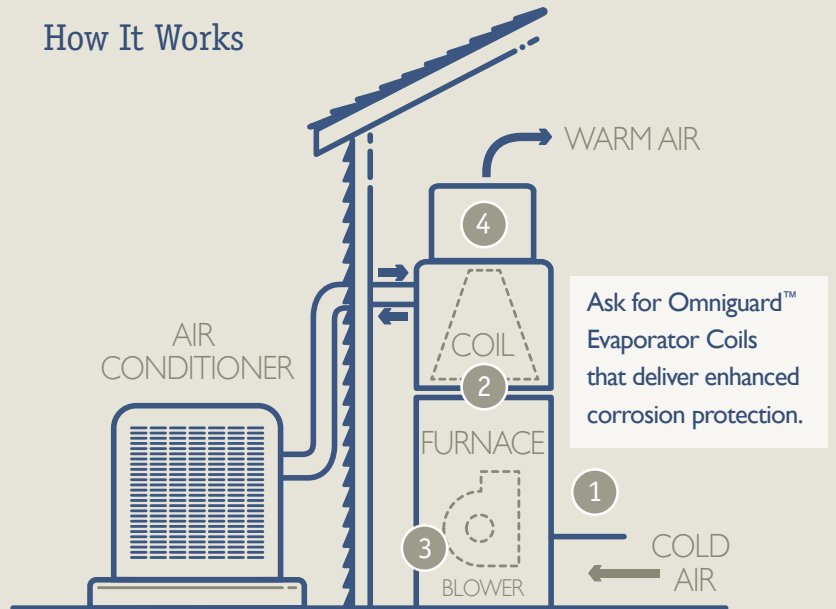


Two-Stage: two-stage gas valve provides a boost in heating, when needed, to enhance comfort.

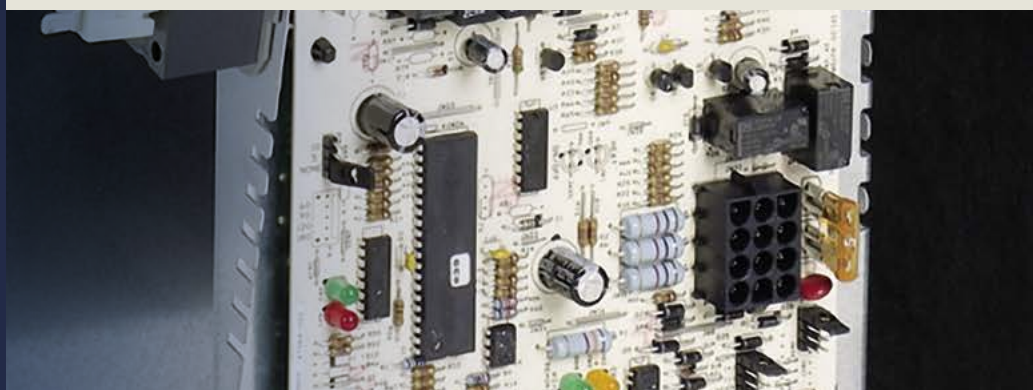


Modulating: The gas valve constantly adjusts heating capacity to create even temperatures throughout your home, while also being the most efficient.

How It Works

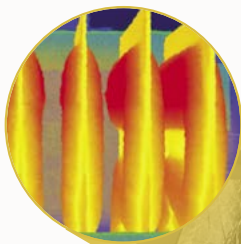


1. When it gets cold inside your home, your thermostat automatically activates your gas furnace to compensate.
2. The burners ignite the gas and create warm air in the heat exchanger.
3. The blower turns on and forces the warm air throughout your home via ducts.
4. Warm air is circulated throughout your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



Engineered to deliver maximum energy savings and exceptional comfort.

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



Model shown **A97MV**

- Advanced Heat Exchanger:**
Made from stainless steel for maximum strength and crimped rather than welded, Armstrong Air heat exchangers are highly resistant to thermal fatigue and other stresses caused by repeated heating and cooling. During the testing process, they are subjected to temperatures that far exceed normal operating ranges, to ensure they will stand up to decades of use.
- EHX™ Technology:**
Every Armstrong Air 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.
- Modulating Gas Valve**
*Highly precise system combines a modulating gas valve with variable-speed technology** to deliver consistent temperatures while saving energy. It constantly varies heat and airflow in increments as small as 5%, responding to outdoor conditions and household comfort needs. By comparison, a typical single-stage furnace operates at full heating capacity every time it cycles on.*
- Noise Reduction:**
Insulated cabinet prevents loss of warm air, while reducing noise from the motor.
- Quiet Combustion™ Technology:**
Uses a lower Btu input per burner ensures quieter start-up and operation.
- Comfort Sync™ Control Panel:**
*All Pro Series™ units continuously monitor internal components for optimum performance and fault prevention. It can even work together with your Comfort Sync™ thermostat to notify you and your dealer if repairs or maintenance are needed.****

*Product registration required. Warranty applies to residential applications only. For terms, conditions and exclusions, see full warranty at armstrongair.com.

**A962V and A97MV only

***A97MV only

Stay comfortably warm all winter with these reliable single-stage furnaces.



A931E

Smart design for more efficiency

Featuring a constant torque motor, the A931E delivers energy-saving efficiency and steady air flow for more even temperatures.

93% AFUE	
EHX Technology	
Quiet Combustion Technology	
Self-Diagnosing Control Board	
Single-Stage Gas Valve	

Constant Torque Blower Motor	
Lifetime Warranty on Heat Exchanger*	

A951E

Designed to deliver economical warmth



The constant torque motor on the A951E provides an efficient, steady flow of air for more even temperatures. This ENERGY STAR®-certified furnace allows you to save on your utility bills all year long.

95% AFUE	
EHX Technology	
Quiet Combustion Technology	
Self-Diagnosing Control Board	
Single-Stage Gas Valve	

Constant Torque Blower Motor	
Stainless Steel Heat Exchanger	
Lifetime Warranty on Heat Exchanger*	

A962E

A standout choice of industry experts



The two-stage heating of the A962E can adjust its heat output based on conditions inside and outside your home. So you use less energy while maintaining comfort.

96% AFUE	
EHX Technology	
Quiet Combustion Technology	
Self-Diagnosing Control Board	

Two-Stage Gas Valve	
Constant Torque Blower Motor	
Stainless Steel Heat Exchanger	
Lifetime Warranty on Heat Exchanger*	

Efficiency	Reliability	Air Quality	Peace of Mind	Noise Reduction
------------	-------------	-------------	---------------	-----------------

*Ask your Dealer for details.

The compelling combination of advanced technology, thoughtful design and proven performance.

A962V

Trusted by professionals in the HVAC business



The Comfort Sync™ enabled A962V offers remote access via smartphone, tablet or laptop. It contains a variable-speed blower, which allows the furnace to adjust humidity levels and create more even temperatures throughout your home, while also enhancing efficiency.

96% AFUE	
EHX Technology	
Quiet Combustion Technology	
Self-Diagnosing Control Board	
Two-Stage Gas Valve	

Variable-Speed Blower Motor	
Comfort Sync™ Enabled	
Stainless Steel Heat Exchanger	
Lifetime Warranty on Heat Exchanger*	

A97MV

Professionals settle only for excellence



At 97% AFUE, the A97MV is the ideal choice for indoor comfort and money-saving efficiency. This ENERGY STAR-certified furnace boasts a highly precise system combining a modulating gas valve with variable-speed blower technology for consistent temperatures and overall energy savings.

97% AFUE	
EHX Technology	
Quiet Combustion Technology	
Self-Diagnosing Control Board	
Modulating Gas Valve	

Variable-Speed Blower Motor	
Comfort Sync Enabled	
Stainless Steel Heat Exchanger	
Lifetime Warranty on Heat Exchanger*	

Make the Most of Your Gas Furnace

The Comfort Sync® A3 Ultra-Smart Thermostat unlocks the full potential of your Armstrong Air 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.

*App requires Wi-Fi or cellular data service.

** Comfort Sync® A3 is compatible with Armstrong Air 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.





	Provides greater control and efficiency	Delivers efficient and economical warmth	Advanced design and proven performance	Enhanced performance and features	Delivers maximum control, precision and efficiency
Features	A931E	A951E	A962E	A962V	A97MV
AFUE	93%	95%	96%	96%	97%
EHX™ Technology	●	●	●	●	●
Primary Heat Exchanger Material	Aluminized Steel	●			
	Stainless Steel		●	●	●
Quiet Combustion™ Technology	●	●	●	●	●
Self-Diagnosing Control Board	●	●	●	●	●
Gas Valve	1-Stage Gas Valve	●	●		
	2-Stage Gas Valve			●	●
	Modulating				●
Blower Motor	Constant Torque	●	●		
	Variable-Speed			●	●
Comfort Sync™ Thermostat Enabled				●	●
Warranty on Heat Exchanger*	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime

*10-year limited warranty on parts and a limited lifetime warranty on the heat exchanger. Product registration required. Warranty applies to residential applications only. For terms, conditions and exclusions, see full warranty at armstrongair.com.



ARMSTRONG AIR
The Professional's Choice

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

Printed in U.S.A.
©2020 Allied Air Enterprises LLC,
a Lennox International Inc. Company

Form No. AF90FL-300 (2/20) PC93733



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.

