

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. 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™ controls, 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.

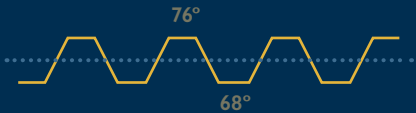




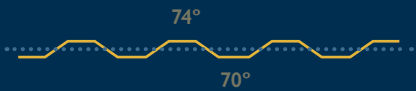
## Furnace System Basics

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 motor stages affect temperature control



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

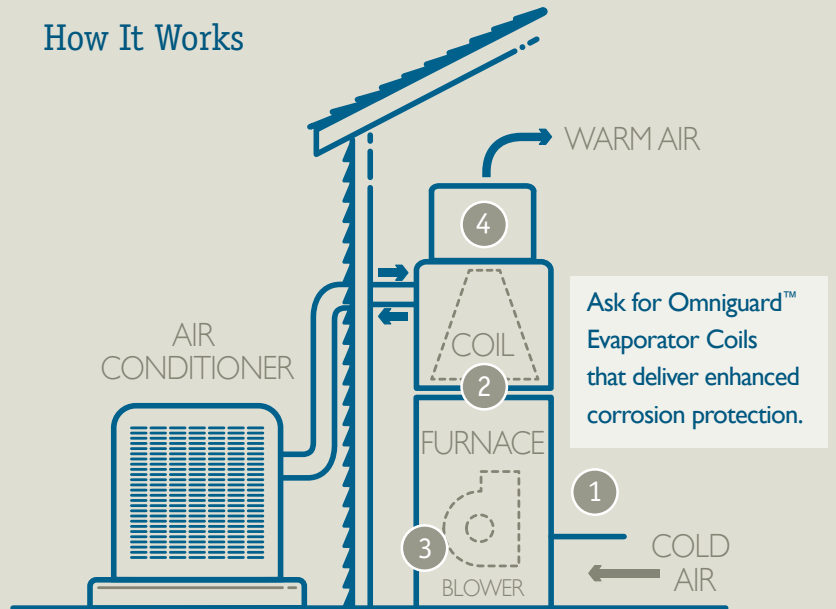


**Constant Torque:** The single-speed blower maintains a more consistent airflow operating with greater efficiency.

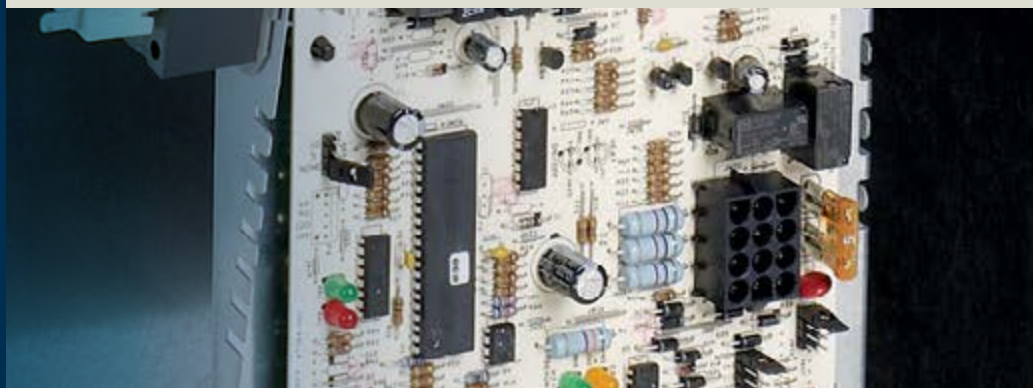


**Variable Speed:** The blower constantly adjusts airflow and humidity levels, which creates more even temperatures throughout your home, while also being the most energy efficient.

## How It Works

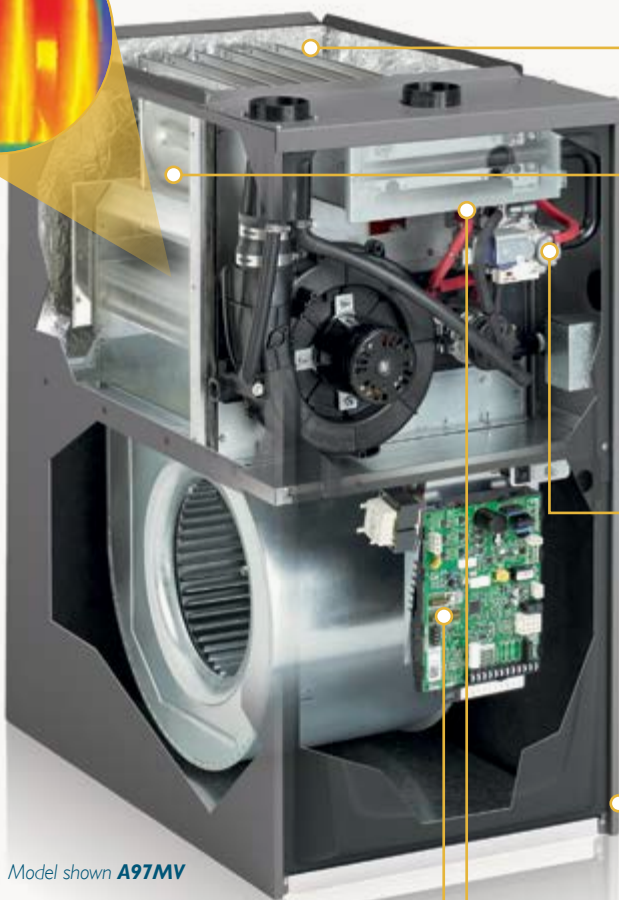
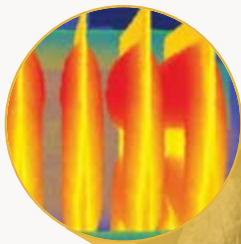


1. When it gets cold inside your home, your thermostat automatically activates your gas furnace to compensate.
2. The burners ignite the gas and create warm air in the heat exchanger.
3. The blower turns on and forces the warm air throughout your home via ducts.
4. Warm air is circulated throughout your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



# Engineered to 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 for 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.

## 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.

\*Product registration required. Warranty applies to residential applications only. For terms, conditions and exclusions, see full warranty at [armstrongair.com](http://armstrongair.com).

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

## A931A

**Engineered for high reliability and efficiency**



A single-speed, direct-drive motor provides a consistent flow of warm air to maintain even temperatures throughout your home. With efficiency ratings of up to 93% AFUE, you can save hundreds of dollars every year on your utility bills.

93% AFUE	
EHX™ Technology	
Quiet Combustion™ Technology	
Self-Diagnosing Control Board	
One-Stage Gas Valve	
Permanent Split Capacitor (PSC) Motor	
Lifetime Warranty on Heat Exchanger*	

## A951A & A951S

**Exceptional design makes for solid performers**



The 95% AFUE of these units combined with our patented EHX™ and Quiet Combustion™ technology lets you enjoy lower utility bills without lowering your standard of comfort. The A951A and A951S deliver the warmth and efficiency you need all winter long.

<b>95% AFUE</b>	
EHX Technology	
Quiet Combustion Technology	
Self-Diagnosing Control Board	
One-Stage Gas Valve	
<b>Stainless Steel Heat Exchanger (A951S)</b>	
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 money by more efficiently operating the blower fan motor all year long.

95% AFUE	
EHX Technology	
Quiet Combustion Technology	
Self-Diagnosing Control Board	
One-Stage Gas Valve	
<b>Constant Torque Blower Motor</b>	
Stainless Steel Heat Exchanger	
Lifetime Warranty on Heat Exchanger*	

Efficiency	Reliability	Air Quality	Peace of Mind	Noise Reduction
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# The compelling combination of advanced technology, thoughtful design and proven performance.

## 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. Equipped with a constant torque blower motor, it offers even greater savings with up to 30% more efficiency than conventional motors.

<b>96% AFUE</b>	
EHX Technology	
Quiet Combustion Technology	
Self-Diagnosing Control Board	
<b>Two-Stage Gas Valve</b>	
Constant Torque Blower Motor	
Stainless Steel Heat Exchanger	
Lifetime Warranty on Heat Exchanger*	

## A962V

**Trusted by professionals in the HVAC business**



The A962V utilizes our Comfort Sync™ thermostat, offering remote access via smartphone, tablet or laptop to provide greater control. 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 and reducing operating noise. This ENERGY STAR-certified furnace is part of our Pro Series™ family.

96% AFUE	
EHX Technology	
Quiet Combustion Technology	
Self-Diagnosing Control Board	
Two-Stage Gas Valve	
<b>Variable-Speed Blower Motor</b>	
<b>Comfort Sync™ Enabled</b>	
Stainless Steel Heat Exchanger	
Lifetime Warranty on Heat Exchanger*	

## A97MV

**Professionals only settle for excellence**



**Most Efficient 2018**  
www.energystar.gov



At 97% AFUE, the highest rated Armstrong Air furnace is the ideal choice for indoor comfort and money-saving efficiency. This ENERGY STAR Most Efficient-certified furnace boasts a highly precise system combining 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.

<b>97% AFUE</b>	
EHX Technology	
Quiet Combustion Technology	
Self-Diagnosing Control Board	
<b>Modulating Gas Valve</b>	
Variable-Speed Blower Motor	
Comfort Sync Enabled	
Stainless Steel Heat Exchanger	
Lifetime Warranty on Heat Exchanger*	



Armstrong Air Pro Series™ furnaces are Comfort Sync thermostat enabled for maximum control. Using a smartphone app, the Comfort Sync thermostat puts advanced temperature monitoring and adjustment right in your hands, no matter where you may be. For added peace of mind, when Comfort Sync detects that repairs and regular maintenance are needed, it alerts you or your dealer instantly via email. The Comfort Sync thermostat also offers remote access via smartphone, tablet or laptop to provide greater control.

\*Ask your Dealer for details.



		Long-lasting performance and efficiency	Increases efficiency and heat circulation	Delivers efficient and economical warmth	Advanced design and proven performance	Enhanced performance and features	Delivers maximum control, precision and efficiency
Features		A931A	A951A & A951S	A951E	A962E	A962V	A97MV
AFUE		93%	95%	95%	96%	96%	97%
EHX™ Technology		●	●	●	●	●	●
Primary Heat Exchanger Material	Aluminized Steel	●	● (A951A)				
	Stainless Steel		● (A951S)	●	●	●	●
Quiet Combustion™ Technology		●	●	●	●	●	●
Self-Diagnosing Control Board		●	●	●	●	●	●
Gas Valve	1-Stage Gas Valve	●	●	●			
	2-Stage Gas Valve				●	●	
	Modulating						●
Blower Motor	Permanent Split Capacitor (PSC)	●	●				
	Constant Torque			●	●		
	Variable Speed					●	●
Comfort Sync™ Thermostat Enabled					●	●	●
Warranty on Heat Exchanger*		Lifetime	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.

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