

**80%  
AFUE**  
Gas Furnaces



ENGINEERED FOR EFFICIENCY AND RELIABLE PERFORMANCE. TRUSTED BY PROFESSIONALS.

# THE PROFESSIONAL'S CHOICE



**ARMSTRONG  
AIR®**  
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 80%+ AFUE unit 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

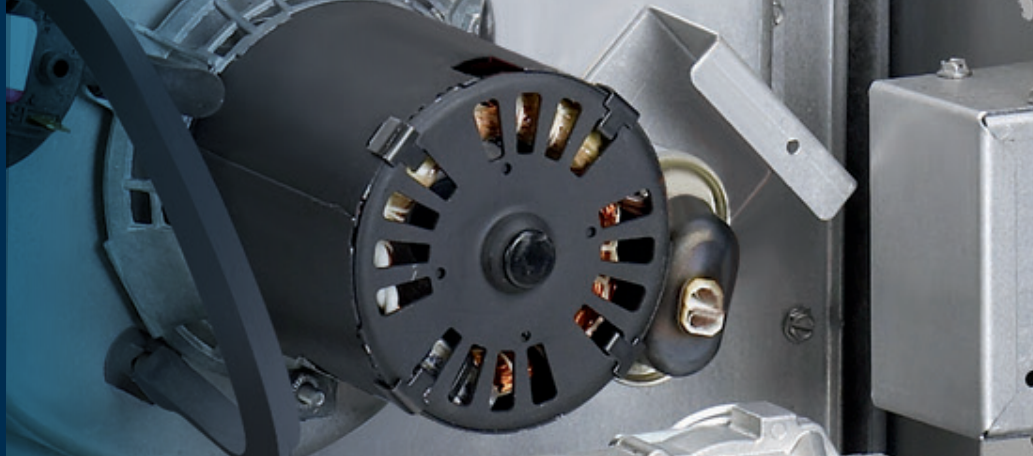
More control over your comfort—that's our commitment to you. You can see it in our craftsmanship and innovation—like our proprietary Comfort Sync™ controls, which allow you to easily monitor your unit's performance and enjoy maximum comfort in your home.



## Noise Reduction

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

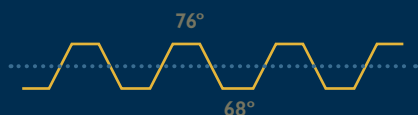




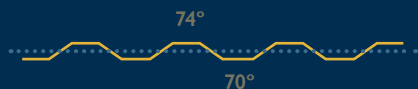
## Furnace System Basics

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.

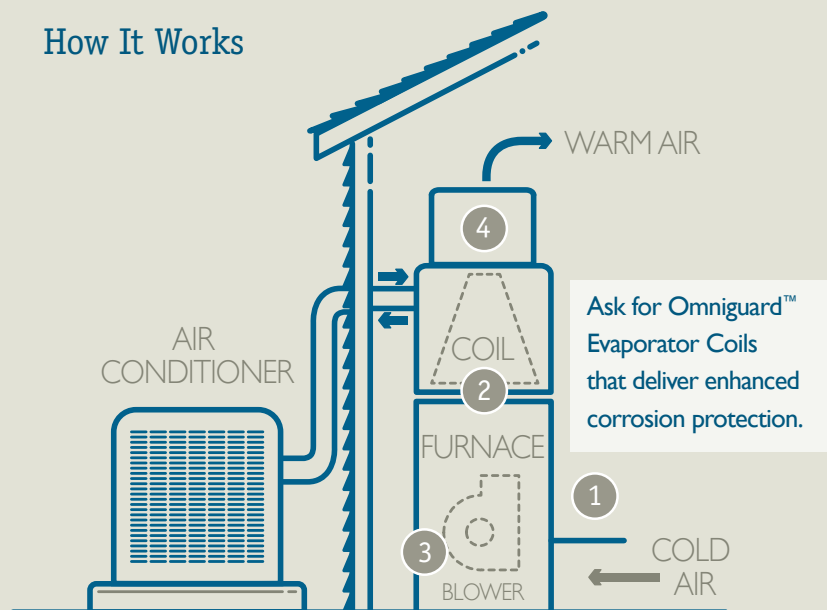


**Constant Torque:** The single-speed blower maintains a more consistent airflow operating with greater efficiency.

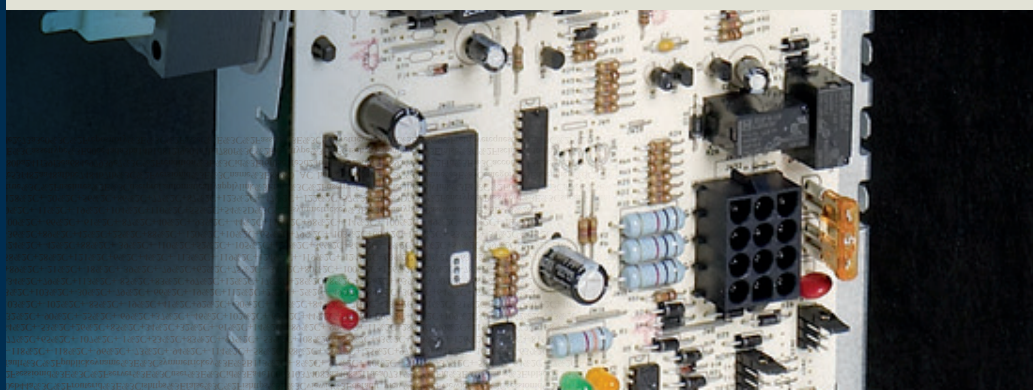


**Variable Speed:** The blower constantly adjusts airflow and humidity levels, which creates more even temperatures throughout your home, while also being the most energy efficient.

## 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.\*



## **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.

## **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.

## **Internal Monitoring:**

Your Armstrong Air furnace's electronic control system prolongs system life by continuously monitoring internal components for optimum performance and fault prevention.

## **Comfort Sync™ Control Panel:**

The A802V continuously monitors internal components for optimum performance and fault prevention. It also works together with the Comfort Sync™ thermostat to notify you and your HVAC Professional if repairs or maintenance are needed.

Model shown **A802V**



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).

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

## A801A

**Quality craftsmanship and exceptional value**



A single-speed, direct-drive motor provides a consistent flow of warm air to maintain even temperatures throughout your home. An electronic control system enhances comfort by controlling furnace functions with the highest degree of digital accuracy.

|                                      |  |
|--------------------------------------|--|
| 80% AFUE                             |  |
| EHX™ Technology                      |  |
| Quiet Combustion™ Technology         |  |
| One-Stage Gas Valve                  |  |
| Fixed Speed Blower Motor             |  |
| Lifetime Warranty on Heat Exchanger* |  |

## A801E

**Precise performance and increased efficiency**



The constant torque motor provides a steady flow of air, maintaining a more consistent airflow than a single-speed PSC motor and helping 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, which uses less energy and improves air filtration. The motor also operates with greater efficiency and less noise.

|                                      |  |
|--------------------------------------|--|
| 80% AFUE                             |  |
| EHX Technology                       |  |
| Quiet Combustion Technology          |  |
| One-Stage Gas Valve                  |  |
| <b>Constant Torque Blower Motor</b>  |  |
| Lifetime Warranty on Heat Exchanger* |  |



Efficiency



Reliability



Air Quality



Peace of Mind



Noise Reduction



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

## A802V

**Quality and dependability with premium features**



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          |  |
| <b>Two-Stage Gas Valve</b>           |  |
| <b>Variable-Speed Blower Motor</b>   |  |
| <b>Comfort Sync™ Enabled</b>         |  |
| Lifetime Warranty on Heat Exchanger* |  |
| <b>Enhanced Humidity Control</b>     |  |



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 value | Increases efficiency and heat circulation | Enhanced performance with premium features |
|-------------------------------------|-------------------|------------------------------------|---|--|
| Features                            |                   | A801A                              | A801E                                     | A802V                                      |
| AFUE                                |                   | 80%                                | 80%                                       | 80%  |
| EHX™ Technology                     |                   | ●                                  | ●   | ●  |
| Quiet Combustion™ Technology        |                   | ●                                  | ●   | ●  |
| Dehumidification                    |                   |                                    |   | ●  |
| Gas Valve                           | 1-Stage Gas Valve | ●                                  | ●   |  |
|                                     | 2-Stage Gas Valve |                                    |   | ●  |
| Blower Motor                        | Fixed Speed (PSC) | ●                                  |   |  |
|                                     | Constant Torque   |                                    | ●   |  |
|                                     | Variable Speed    |                                    |   | ●  |
| Comfort Sync™ Thermostat Compatible |                   |                                    |   | ●  |
| Warranty on Heat Exchanger*         |                   | 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](http://armstrongair.com).



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

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