# Gas Furnaces

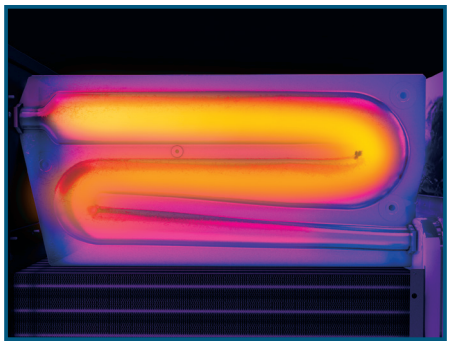
Precision engineered to outlast and outperform every expectation

ARMSTRONG AIR®

The Professional's Choice

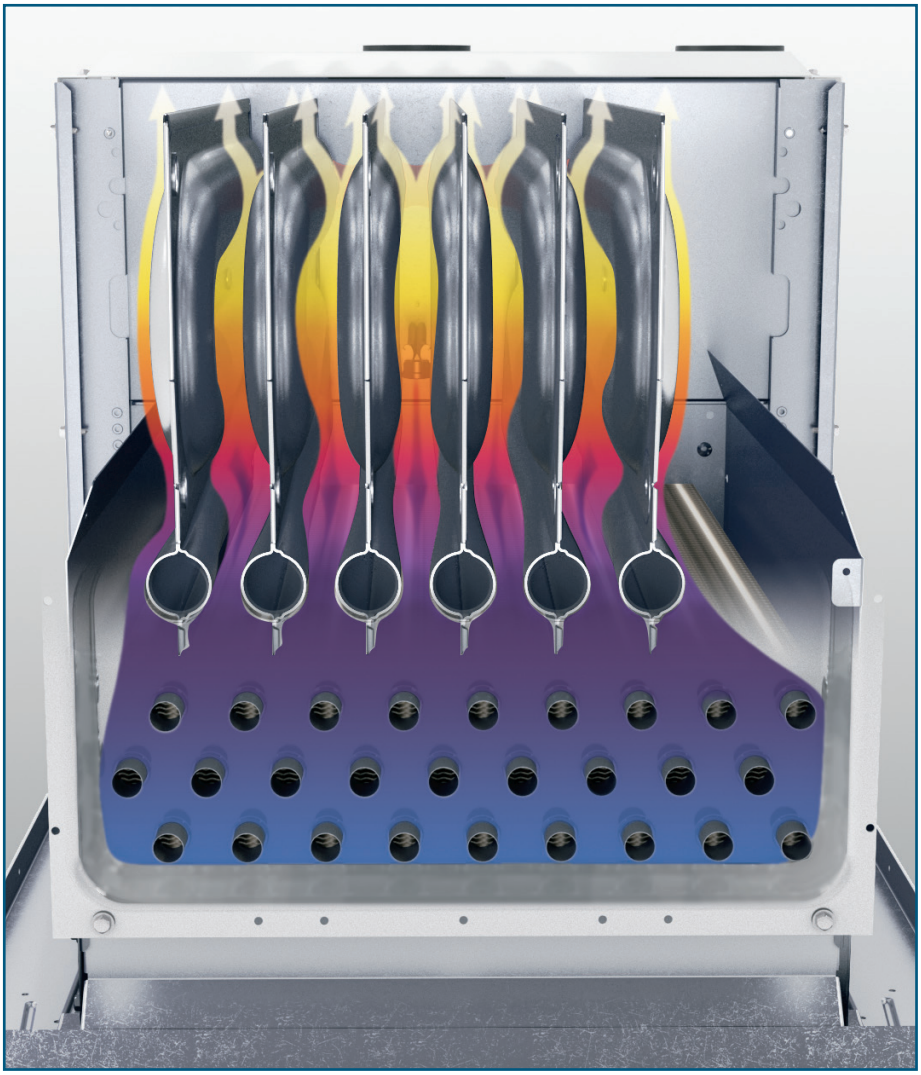
# A complete lineup of thoughtfully designed furnaces featuring EHX™ Technology

Every Armstrong Air® furnace is engineered and built with EHX™ Technology, a patented design that makes heat exchangers more durable. This unique, advanced airflow system allows more air to contact the heat exchanger, providing greater heat transfer and efficiency. Featuring crimping rather than welding, EHX Technology eliminates hot spots that can shorten furnace life.



### Weld-free mini clamshell design

*Eliminates "hot spots" in the heat exchanger, ensuring evenly distributed air and a consistent heat temperature profile.*



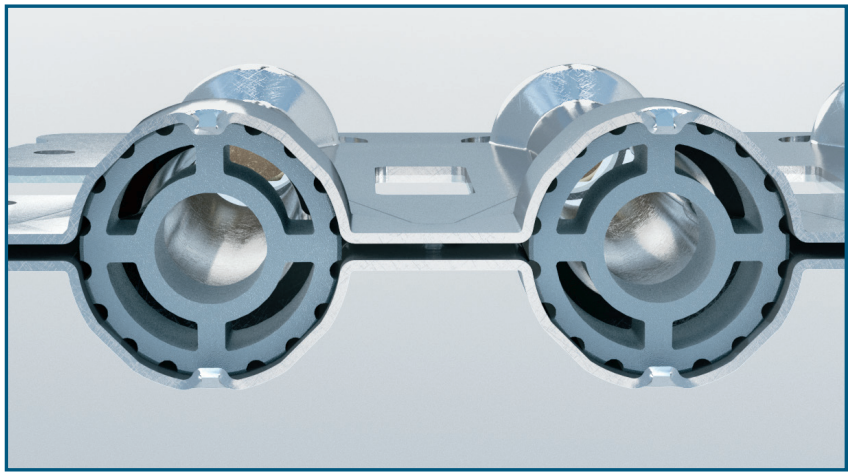
### Extra burners and clamshells

*A greater heat exchange surface area lowers the firing rate, reduces thermal fatigue and operates more quietly.*

### Air baffles and channeling

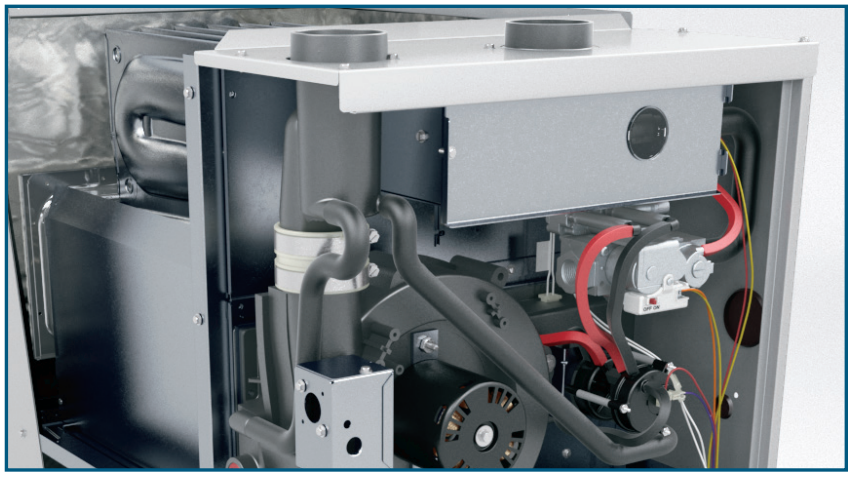
*Unique design provides optimal air flow across the heat exchanger, resulting in maximized heat transfer.*

**Quiet Combustion™ Technology** from Armstrong Air utilizes a smaller Btu input per burner —7,500-11,000 instead of the traditional 20,000-25,000—for a quieter start-up and operation without sacrificing heat output. By combining this lower firing rate with more burners and a larger clamshell heat exchanger, Armstrong Air furnaces deliver consistently quiet operation and greater durability.

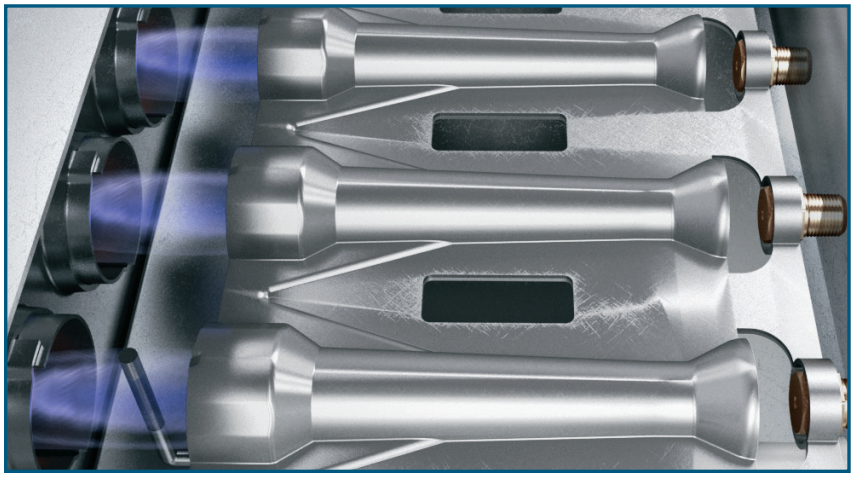


### Taller carryover gap
*Less susceptible to blockage from combustion by-products and air particulates.*

### Tighter spaces between burners
*Enable quick, reliable cross-lighting while reducing oxidation buildup and condensate.*



### Sealed burner box (variable-speed models only)
*Dampens noise from the controlled combustion area.*

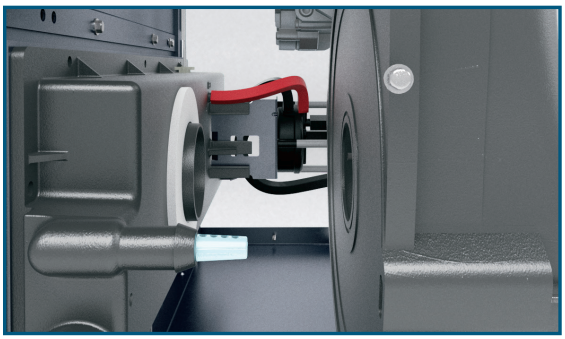


### Integrated burner design
*One-piece construction eliminates chances of flame impingement, resulting in more durable performance over time.*

### Metered ignition sequence
*Precisely engineered to create the quietest start possible, Armstrong Air furnaces follow a smooth ignition sequence that delivers performance with a minimum amount of noise.*

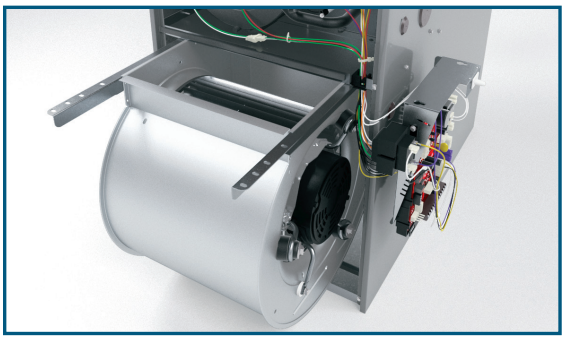
# Built into every Armstrong Air® furnace, Precision Service™ Technology helps make your job easier

When it's time for routine maintenance or service, the thoughtful design and precise part location of each component mean you can get in and out quickly. That's something you—and your customers—will appreciate.



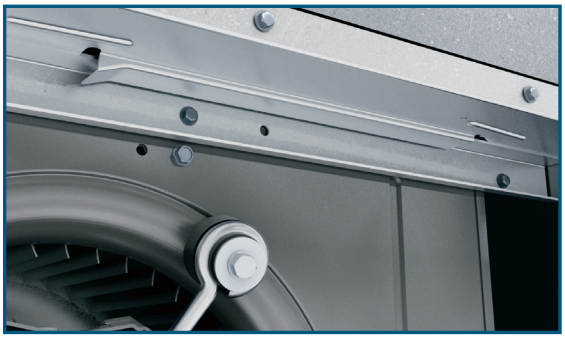
### Piloted fits and tapered leads

*Designed into key components, design features like built-in support channels and self-aligning guides help speed part reassembly and installation.*



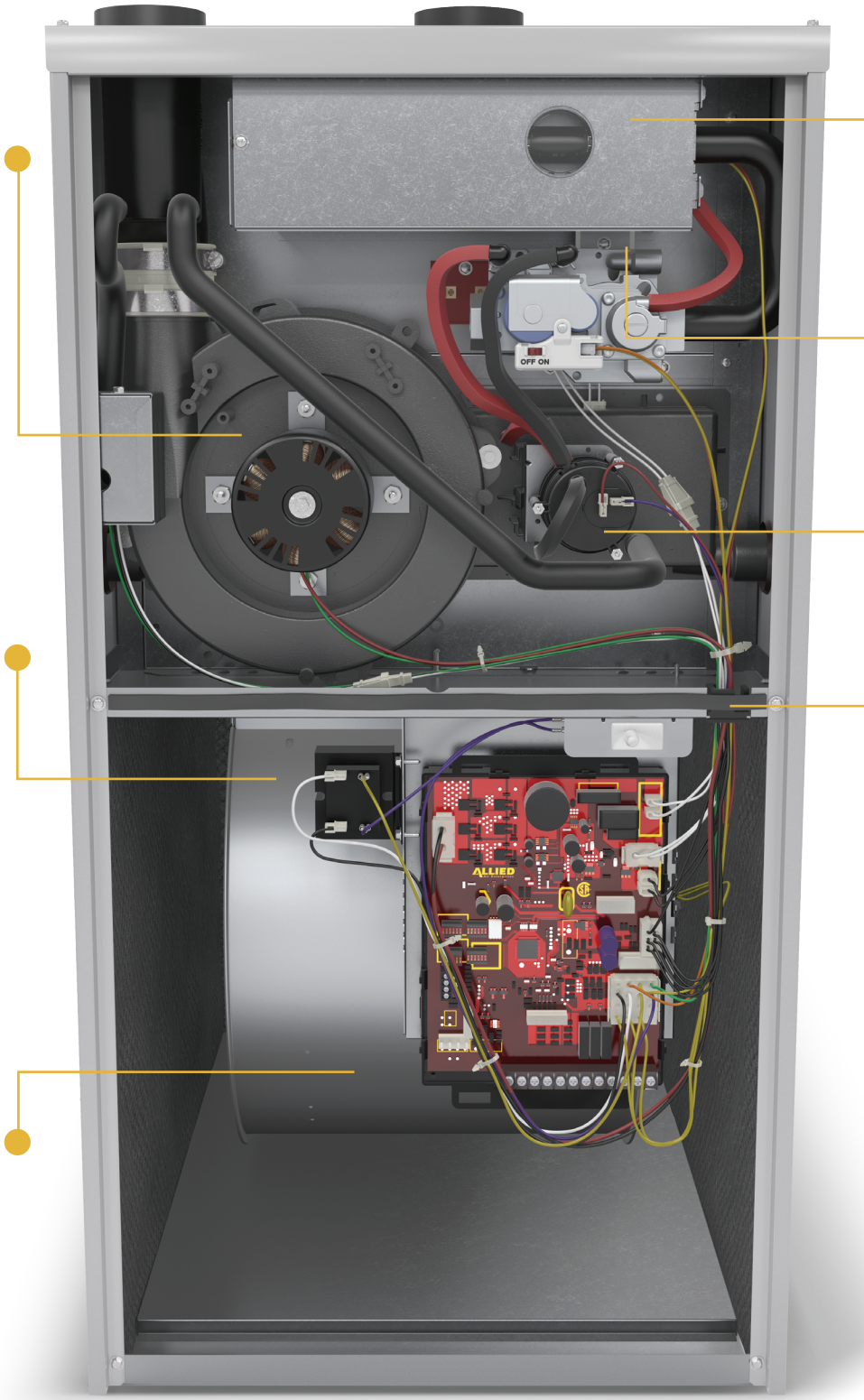
### Blower motor removal

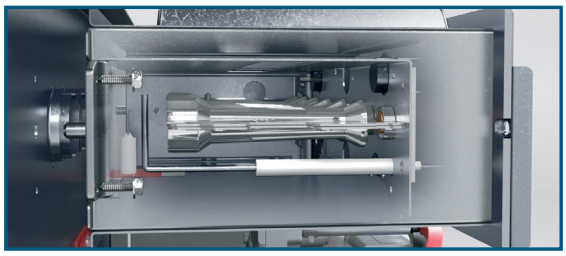
*Dynamically balanced wheel slides out of the blower house by removal of two screws.*



### Blower motor alignment

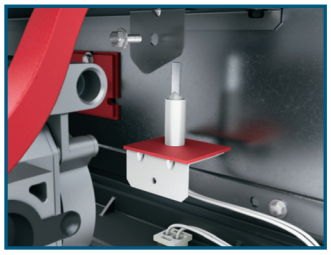
*Tapered channel rails make reassembly easy.*





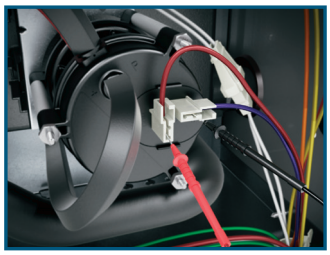
## Integrated burner design

*Provides ease of removal and ensures perfect burner alignment during reassembly via burner box mounting and alignment pins through the vest panel. Tighter burning spacing means less cleaning, resulting in reduced maintenance for your customers.*



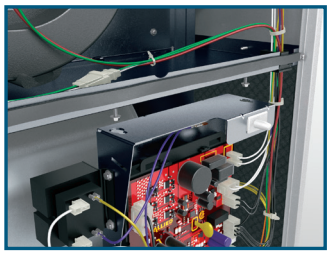
## Forward-facing fasteners

*Used on all commonly serviced parts, including the igniter and flame sensor, they allow you to easily access each component.*



## Optimized component placement

*Easy access to each component during service means you can troubleshoot, diagnose and repair faster than ever. Open-backed F-Crimp wire connections provide superior access for meter probes, and pressure switches are clip-mounted rather than screwed in.*



## Wire management

*A notched blower deck opening and keyholed control panel keep wires out of your way, allowing for continuous routing.*

# Armstrong Air® furnaces are engineered for easier installation, in any application

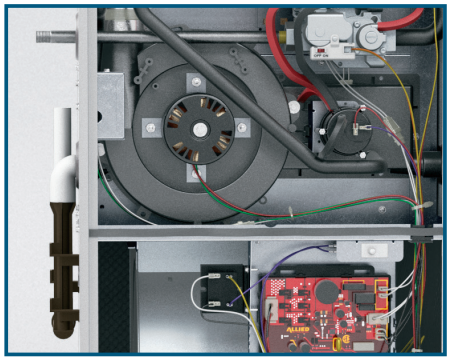
Every furnace features multiple collector box channels, convertible-ready gas and electrical connections and remote traps, so you'll save installation time and money on every job. In addition, every ENERGY STAR® certified Armstrong Air furnace is 100% compliant with ENERGY STAR home installations.


## Installation options

*At only 33˝ tall, Armstrong Air furnaces can be installed in limited-space situations.*

## Different configurations for different homes

*To help you better meet the needs of every homeowner, select models are available in two configurations: standard output for larger homes, and lower output for smaller homes, townhomes and multi-family dwellings.*

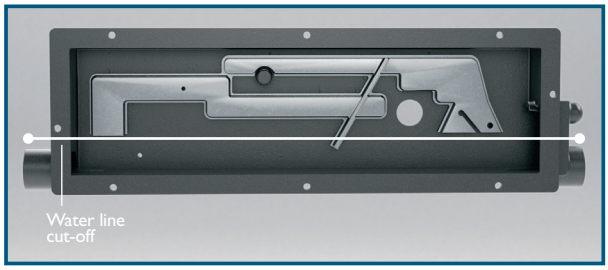


## Convertible ready

*Condensate drain hoses and pressure switch tubing are factory-plumbed for universal application, meaning no changes are required for upflow or horizontal left or right applications. Electrical and gas connections can be converted from left to right.*

## Remote trap

*External condensate drain connection allows the trap to be remotely located up to five feet from the furnace without internal changes.*



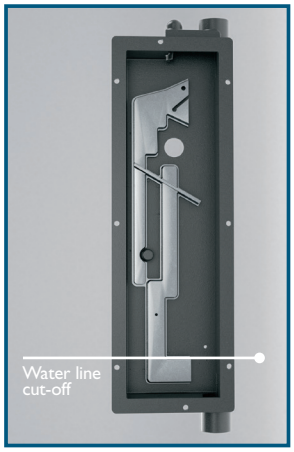

Upflow

## Collector box

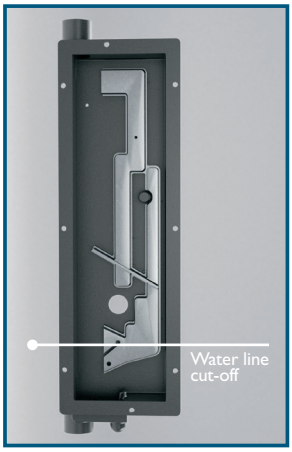
*Patented internal posting design manages condensate levels and ports air to the pressure switches. This allows the unit to drain in upflow, left, and right applications without internal modifications. A dedicated downflow unit is also available.*

## Duct connection

*Connections are pre-formed and pre-drilled flanges for superior duct connection and sealing. There is also plenty of clearance room for coil drain pipes and refrigerant piping.*

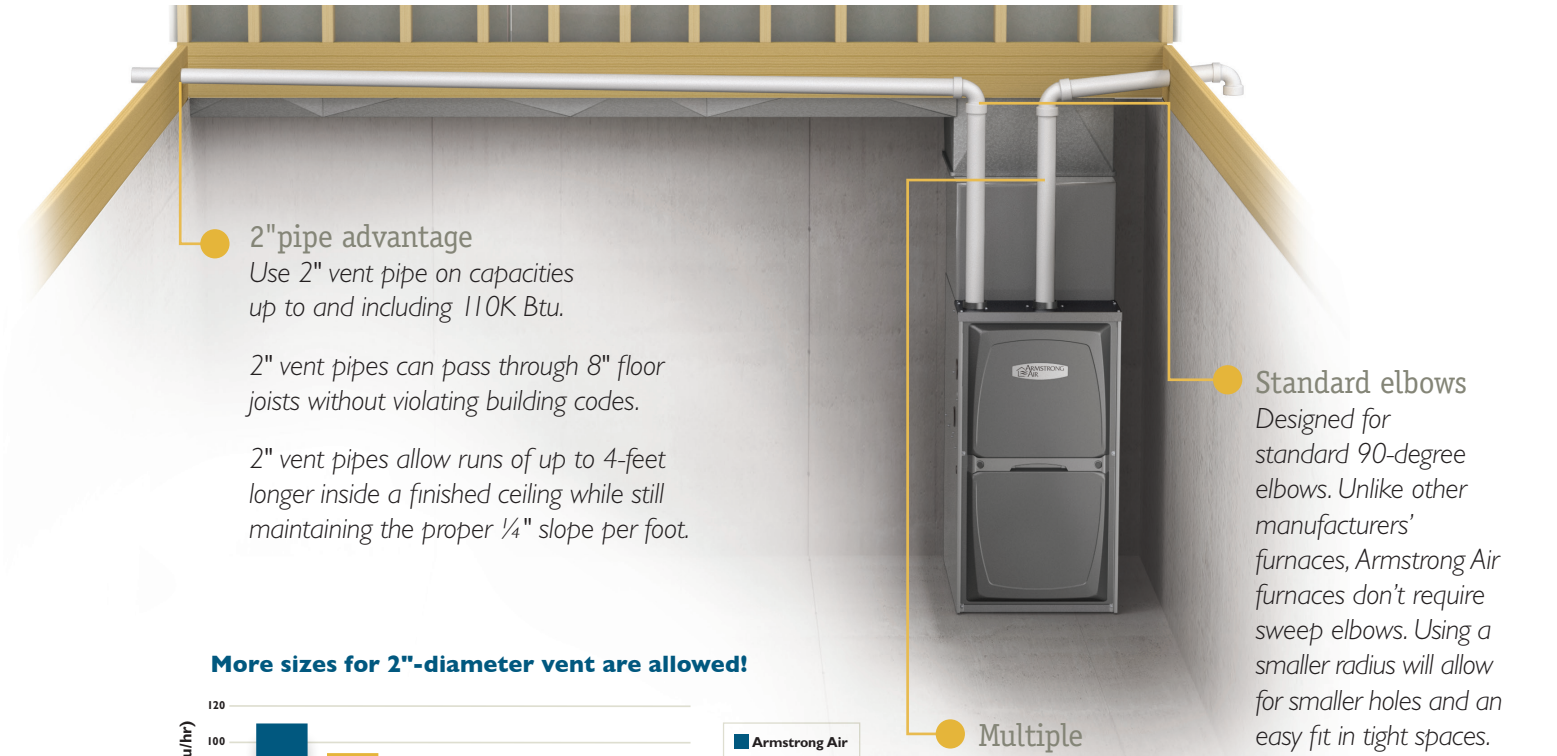



Horizontal/Left




Horizontal/Right

**Greater venting flexibility—**flexible enough to vent the intake and exhaust to two different pressure zones, avoiding time-consuming and costly demolition when a home doesn't offer a simple venting option.



## 2"pipe advantage

*Use 2" vent pipe on capacities up to and including 110K Btu.*

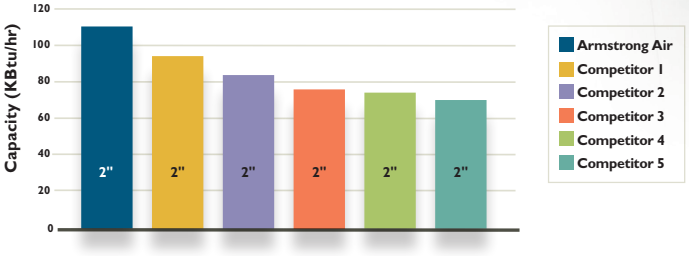
*2" vent pipes can pass through 8" floor joists without violating building codes.*

*2" vent pipes allow runs of up to 4-feet longer inside a finished ceiling while still maintaining the proper ¼" slope per foot.*

## Standard elbows

*Designed for standard 90-degree elbows. Unlike other manufacturers' furnaces, Armstrong Air furnaces don't require sweep elbows. Using a smaller radius will allow for smaller holes and an easy fit in tight spaces.*

**More sizes for 2"-diameter vent are allowed!**




## Multiple material options

*Compatible with just about any vent pipe material, including PVC, CPVC, ABS, foam-core, and even polypropylene.*

## Upflow or downflow

*Exhaust through a crawlspace. You can pipe downward through the floor to save both time and money.*

## Direct vent installation

*Intake from a ventilated attic or crawlspace. Remove the hassle of cutting an additional hole in the roof, sealing and flashing, and avoid timely and expensive repair work and repainting.*

## Armstrong Air® furnaces were thoughtfully engineered with you in mind.

### EASE OF SERVICE

Accessible individual components and a number of features have been designed to make service as straightforward as possible.

### EASE OF INSTALLATION

With multiple configurations and built-in advancements, like pre-formed duct connections and condensate drain and pressure switch tubing that are factory-plumbed for universal application, installation has never been easier.


You can further simplify installation with the advanced Comfort Sync® programmable thermostat, available for every A97MV, A962V and A802V furnace. These communicating-enabled models have four-wire connection, auto-setup and commissioning, real-time email notifications and automatic software updates.

### CRAFTSMANSHIP

Our furnaces are built with the highest-quality materials and feature Armstrong Air's exclusive EHX™ Technology to deliver precise operation and consistent, dependable warmth to customers for years to come.

### COMMITMENT

Much like you, we believe that every installation is a chance to exceed expectations. When you install an Armstrong Air furnace, you're installing an expertly engineered solution that will deliver on all counts for years to come. In fact, each furnace comes with a Limited Lifetime Warranty on the heat exchanger and a 10-Year Limited Parts Warranty.*

## Armstrong Air furnaces. The choice professionals turn to for dependable heating.

When you choose to offer Armstrong Air furnaces to your customers, you're choosing to offer them a better-performing product. You're choosing to give them more for their money, along with all the technological advantages that only Armstrong Air can offer. **Because you're making THE PROFESSIONAL'S CHOICE.**

ARMSTRONG AIR®
The Professional's Choice

*Warranty applies to residential applications only. See full warranty at www.alliedair.com for terms, conditions and exclusions.

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

Printed in U.S.A.



Form No. AGFM-400 (03/16) PC84329

Not approved for use in mobile home applications.

The A97MV, A962V, A952V, A962E, A952E and A951E furnaces are ENERGY STAR® certified.