

# Air Conditioners

Single-Stage  
and Variable-Speed



CRAFTSMANSHIP THAT MEETS EXACTING ARMSTRONG AIR STANDARDS — AND THE EXPECTATIONS OF HVAC PROFESSIONALS.

# THE PROFESSIONAL'S CHOICE

 **ARMSTRONG**  
**AIR**  
The Professional's Choice



## A legacy of craftsmanship and commitment

**Since 1928**, our history has been built on the foundation of strong products and even stronger dedication to excellence. The Armstrong Air® full line of air conditioners 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 units represent 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 air conditioner 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 ideal environment.

At Armstrong Air®, creating the ideal 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 SEER (Seasonal Energy Efficiency Ratio) during the summer and HSPF (Heating Seasonal Performance Factor) during the winter—the higher these numbers, the greater the efficiency. Replacing an older unit with a 15 SEER/8.5 HSPF or higher unit can increase performance and start saving you money immediately. New for 2023: SEER2 and HSPF2 are new ratings that reflect changes to national testing standards. Think of it like highway vs. city gas mileage. SEER2 and HSPF2 more closely reflect energy efficiency in real life applications, which is why the rating is slightly lower.



## Reliability

You can always count on your Armstrong Air unit. Innovations such as our MHT™ Technology and other advanced-design features work together to deliver premium performance and extend the life of your air conditioner.



## Air Quality

Where you live matters. Your family's sensitivity to a host of natural and man-made allergens means enhanced air quality is all the more 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, used with our Pro Series™ models, which allow you to easily monitor your unit's performance and enjoy maximum comfort in your home.



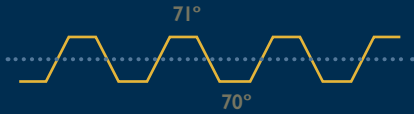
## Noise Reduction

Comfort and performance also include quiet operation of your system. Enjoy reduced operating noise with select models featuring a high-quality sound blanket for noise reduction.

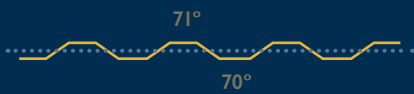
## Air Conditioning System Basics

The most common type of system pairs an exterior air conditioner with an interior air handler or furnace, which work in tandem to circulate air throughout your home. Matching your air conditioner with a compatible Armstrong Air® air handler or furnace will generate optimum efficiency and ideal system performance.

### How compressor stages affect performance



**Single-stage** means cooling is either all the way on or all the way off, creating temperature swings.

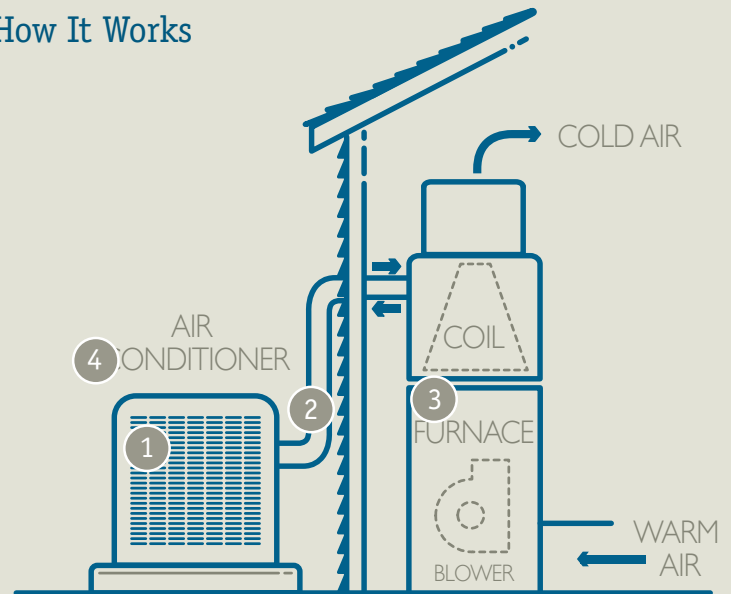


**Two-stage** runs at low or high operating speeds, depending on conditions, creating more even, consistent temperatures.



**Variable-speed** gradually ramps up and down to keep the temperature exactly where you want it, using even less power.

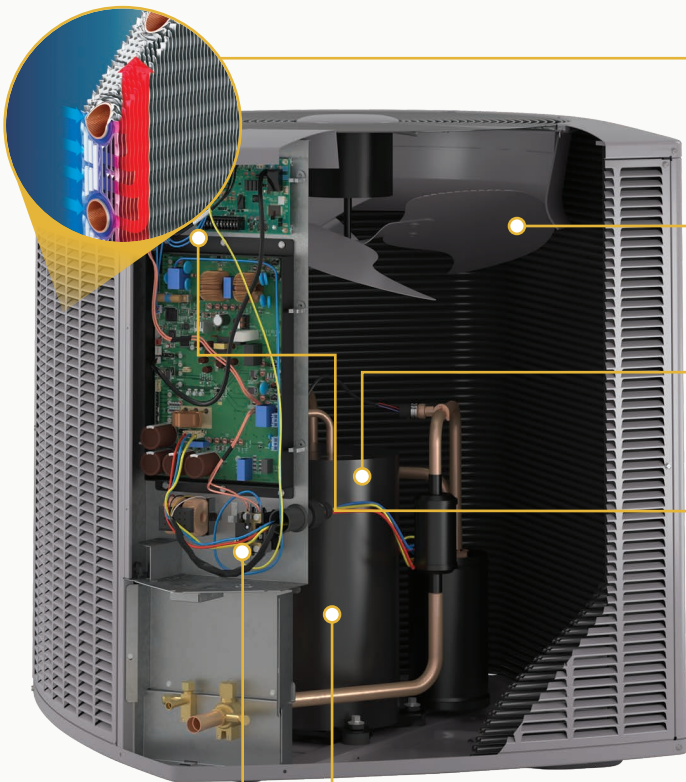
## How It Works



1. When it gets warm inside your home, your thermostat automatically activates your air conditioner to compensate.
2. The air conditioner on the outside of your home circulates refrigerant that absorbs heat from the indoor environment through the coil as it travels between the indoor coil and the air conditioner outside.
3. As refrigerant flows through the evaporator coil, a blower in the furnace moves the warm air across the coil surface, removing heat and dispensing the cooled air through your home's ductwork.
4. The captured heat is then sent back to the air conditioner outside to be released into the outside air, cooling your home comfortably and efficiently.

# Exceptional cooling for a home that's just the way you want it.

Inside every Armstrong Air® air conditioner, you'll find a high level of technology and craftsmanship, backed by a 10-year Limited Warranty on the compressor\* and a 10-year Limited Warranty on parts.\*



Model shown 4SCU23LX

## MHT™ Technology

Armstrong Air's proprietary heat transfer system uses a specially designed fan shroud, rifled tubing and lanced coil fins for maximum heat transfer and efficiency.

## Noise Reduction

A swept-wing fan blade design reduces turbulence, while a heavy-duty compressor blanket further reduces sound levels.

## Integrated Compressor Protection

High- and low-pressure switches protect the compressor, helping to ensure lasting performance.

## Comfort Sync® A3 Enabled

When you pair this model with the Comfort Sync® A3 Ultra-Smart Thermostat, you unlock total control over your home environment from anywhere. Your thermostat communicates with each component, making constant adjustments and sending maintenance reminders direct to your smart phone to ensure your entire system is always working in harmony for your ideal environment.

## Variable-Capacity Compressor

Rather than running at one or even two speeds, the inverter-driven compressor changes its speed in small, precise increments like a dimmer switch to provide longer, gentler run cycles. That means temperatures are held exactly where you want them.

## Sealed Contactor with Lugs

The sealed contactor protects the unit from debris and insects while the lug provides a secure and reliable way to connect high voltage wires.

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

# Pro Series™ air conditioners offer ultimate control with up to twice the efficiency of older units.



## Make the Most of Your Air Conditioner

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.



## 4SCU23LX

### Total comfort with maximum control

Unlock the highest degree of control over your home environment with the Pro Series™ 4SCU23LX air conditioner. It features smart thermostat compatibility, targeted temperature control and up to 23 SEER (21.9 SEER2) efficiency for fine-tuned comfort. Rather than running at only one or two speeds, this unit adapts its speeds in small increments. This means lower noise levels, enhanced dehumidification for stable temperatures and significant energy savings. Pair it with the Comfort Sync® A3 Ultra-Smart Thermostat to keep your system running at peak performance, so you can spend more time enjoying your home. Pro Series™ systems put the comfort of your dreams right at your fingertips.

**Up to 23 SEER (21.9 SEER2) Efficiency Ratings\***

**ENERGY STAR® Most Efficient**

**More Than 39% Greater Energy Efficiency\***

Longer, Gentler Run Cycles, Consistent Comfort and Reduced Temperature Swings

Comfort Sync® A3 Smart Thermostat Compatible

More Than 50% Lower Sound Levels\*\*

Omniguard® Total Corrosion Protection Technology

MHT™ Technology

Integrated Compressor Protection

True Variable-Speed Compressor

Compressor Sound Blanket

Sealed Contactor with Lugs

Swept-Wing Fan Blades

\* May qualify for local utility rebates

\*\* Compared to a 14 SEER single-stage air conditioner



## 4SHPI8LX

### Powerful combination of comfort and efficiency

For those seeking a powerful heat pump with the ideal balance of home comfort and energy efficiency, the 4SHPI8LX delivers. Instead of simply on or off, the up to 20 SEER (19 SEER2) inverter-driven compressor operates at variable speeds to deliver quieter noise levels, consistent temperatures and enhanced dehumidification. Pair it with the Comfort Sync® A3 Ultra-Smart Thermostat, you can unlock total control over your home. Choose the 4SHPI8LX for a consistently comfortable environment and quieter performance, all backed by purposeful engineering to keep your unit running at peak performance.

**Up to 20 SEER (19 SEER2), 10 HSPF (8.5 HSPF2) Efficiency Ratings\***

**More Than 22% Greater Energy Efficiency\***

**Longer, Gentler Run Cycles, Consistent Comfort and Reduced Temperature Swings**

Comfort Sync® A3 Smart Thermostat Compatible

True Variable-Speed Compressor

More Than 50% Lower Sound Levels\*\*

Quiet Shift™ Technology

Swept-Wing Fan Blades

Omniguard® Total Corrosion Protection Technology

MHT™ Technology

Integrated Compressor Protection

Compressor Sound Blanket

Sealed Contactor with Lugs

\* May qualify for local utility rebates

\*\* Compared to a 14 SEER single-stage air conditioner

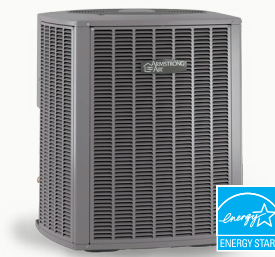
# When it's warm, you'll be perfectly comfortable with these reliable single-stage air conditioners.



## 4SCUI7LE

### Essential performance with enhanced efficiency

The 4SCUI7LE air conditioner is designed with the essential features you need for efficient performance and reliable comfort. With its single-stage scroll compressor up to 17 SEER (16.2 SEER2) efficiency rating, integrated compressor sound blanket and Omniguard® Corrosion Protection Technology, the 4SCUI7LE is purposefully engineered to deliver quieter noise levels, long-lasting operation and lower overall operating costs\* season after season.



## 4SCUI6LE

### Essential performance and efficiency

The 4SCUI6LE air conditioner offers proven performance with a blend of energy efficiency, reliability and quiet operation. With thoughtful features like our single-stage scroll compressor; 16 SEER (15.2 SEER2) efficiency rating, integrated sound blanket and Omniguard® Total Corrosion Protection Technology, a new Armstrong Air air conditioner can help deliver quieter noise levels, reduce your energy bills and lower overall maintenance costs.

*Only available in the Northern U.S. and Canada per government regulations.*

|  |  |
|--|--|
| <b>Up to 17 SEER (16.2 SEER2) Efficiency Ratings</b> |  |
| Omniguard® Total Corrosion Protection Technology     |  |
| MHT™ Technology                                      |  |
| Integrated Compressor Protection                     |  |
| Single-Stage Compressor                              |  |
| Sealed Contactor with Lugs                           |  |

|  |  |
|--|--|
| Up to 16 SEER (15.2 SEER2) Efficiency Ratings    |  |
| Omniguard® Total Corrosion Protection Technology |  |
| MHT™ Technology                                  |  |
| Integrated Compressor Protection                 |  |
| Single-Stage Compressor                          |  |
| Sealed Contactor with Lugs                       |  |

\* Compared to older, less efficient models

Efficiency

Reliability

Air Quality

Peace of Mind

Noise Reduction

\*Check with your local utilities to confirm eligibility. Rebates and incentives for efficiency vary by locality and utility. Allied does not make any representation, warranty, guarantee, or other assurance as to whether each model qualifies or is eligible for rebates in your local area.



| Models   | 4SCU23LX  | 4SHP18LX   | 4SCU17LE                                   | 4SCU16LE                                   |
|--|---|--|--|--|
| Ideal Usage                                      | Delivers maximum control and precise temperatures | Enhances performance and control over temperature and humidity | Meets today's standards in a proven design | Reliably maintains consistent temperatures |
| Features   | 4SCU23LX  | 4SHP18LX   | 4SCU17LE                                   | 4SCU16LE                                   |
| SEER (SEER2)                                     | Up to 23 SEER (21.5 SEER2)                        | Up to 20 SEER (19 SEER2)                                       | Up to 17 SEER (16.2 SEER2)                 | Up to 16 SEER (15.2 SEER2)                 |
| ENERGY STAR® Certified                           | ●   | ●  | ●  | ●  |
| ENERGY STAR Most Efficient                       | ●   |  |  |  |
| Sealed Contactor w/Lugs                          | ●   | ●  | ●  | ●  |
| Omniguard® Total Corrosion Protection Technology | ●   | ●  | ●  | ●  |
| MHT™ Technology                                  | ●   | ●  | ●  | ●  |
| Compressor Sound Blanket                         | ●   | ●  |  |  |
| Integrated Compressor Protection                 | ●   | ●  | ●  | ●  |
| True Variable-Speed Compressor                   | ●   | ●  |  |  |
| Single-Stage Scroll Compressor                   |   |  | ●  | ●  |
| Comfort Sync® Enabled                            | ●   | ●  |  |  |
| Comfort Sync® Zoning                             | ●   | ●  |  |  |
| Swept-wing Fan Blade                             | ●   | ●  |  |  |
| 10-Year Warranty*                                | ●   | ●  | ●  | ●  |

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