Heat Pumps

14.0 to 20.0 SEER
8.2 to 10.0 HSPF
Single Stage, Two Stage
and Variable Capacity

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

Our 80-year history is built on the foundation of strong products and even stronger dedication to excellence. The Armstrong Air® full line of heat pumps 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 heat pump you're buying. Going with an Armstrong Air Dealer means working with a true HVAC professional. You can be confident in their knowledge and expertise to 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.

Helping to create the perfect environment.

Choosing the right heating and cooling system for your home environment is a big decision. Your Armstrong Air Dealer can help you create the right system for your home comfort needs. To help you make the best and smartest system choice, 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 14 SEER/8.2 HSPF or higher unit can increase performance and start saving you money immediately.

Reliability

You can count on your Armstrong Air unit. Technology developments such as MHT™ and other advanced-design features work together to deliver premium performance and help extend the life of your heat pump.

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 technology—like our Comfort Sync® thermostat, which allows you to easily monitor your unit's performance and enjoy maximum comfort in your home.

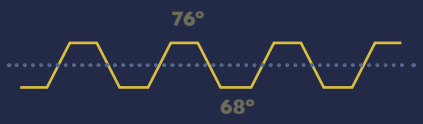
Noise Reduction

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. Plus, Quiet Shift™ Technology reduces sound when transitioning to defrost mode.

Heat Pump System Basics

The most common type of system pairs an exterior heat pump with an interior air handler, in tandem to circulate air throughout your home. Heat pumps can also be paired with a furnace, which is then called a dual-fuel system. Matching your heat pump with a compatible Armstrong Air® air handler or furnace will help generate optimum efficiency and ideal system performance.

How compressor stages affect performance

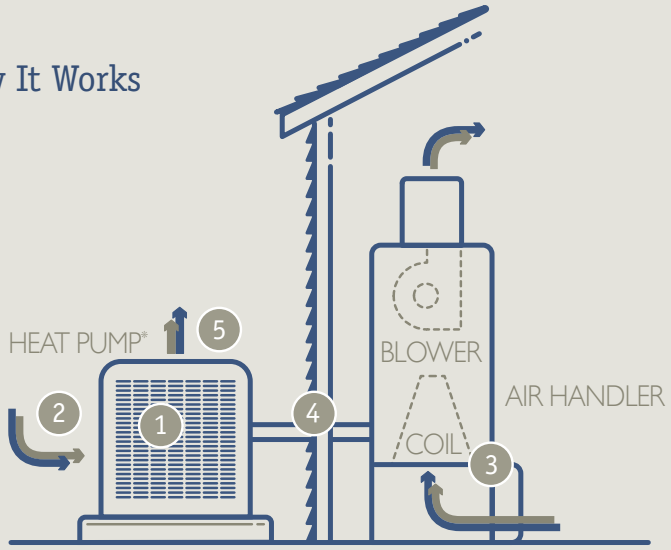


Single stage *means heating and cooling are either all the way on or all the way off, creating temperature swings.*

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

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

How It Works

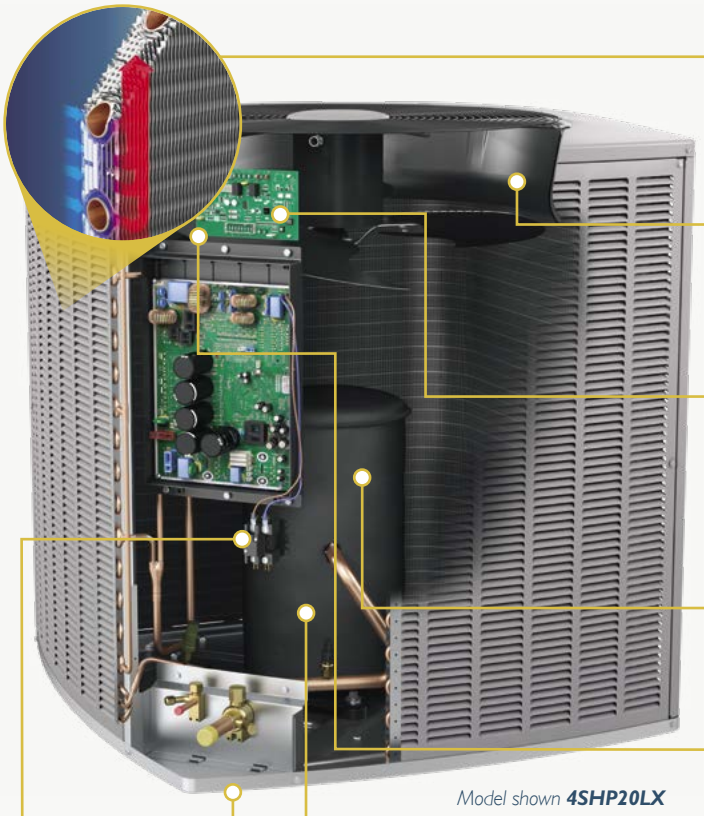


* Armstrong Air air handlers also work with air conditioners in straight cool configurations.

1. The heat pump on the outside of your home circulates refrigerant that absorbs and releases heat as it travels between the heat pump and the air handler inside.
2. When it's cold outside, a heat pump extracts outside heat and transfers it inside.
3. The refrigerant flows through the air handler's evaporative coil and the blower moves air across the coil surface to warm air that's sent through your home's duct work.
4. The cold refrigerant is sent back to the heat pump outside so the process can repeat itself and continue to warm your home.
5. When it's warm outside, the heat pump reverses direction and acts like an air conditioner, removing heat from your home.

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

Inside every Armstrong Air heat pump, 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 **4SHP20LX**

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 helps to further reduce sound levels.

Quiet Shift™ Technology
Allows heat pumps to enter defrost mode without excessive noise. Since refrigerant pressure is allowed to equalize before the switch, the heat pump can quietly dissipate performance-robbing frost and ice.

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

Comfort Sync® Enabled
All Pro Series™ units continuously monitor internal components for optimum performance and fault prevention, and notify you and your dealer if repairs or maintenance are needed.

Inverter-Driven Scroll Compressor
Rather than running at one or even two speeds, the scroll compressor uses an inverter motor that can change its speed in small, precise increments, saving more energy while holding your temperature precisely where you set it.

Clean-Sweep Defrost
Starts the defrost cycle at the bottom of the coil to ensure all ice and frost build up is removed effectively and helps prevent ice dams at the bottom of the unit.

Sealed Contactor with Lugs
Completely covers the contactor, protecting it from debris and insects.

Dual-Fuel
The combination of a gas furnace and an electric heat pump pairs two energy sources that can adjust to mild or severe outdoor conditions. It's 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.

Whether it's warm or cool, you'll be comfortable with these reliable single-stage heat pumps.

4SHP14LB

Proven technology & exceptional value

With SEER ratings beginning at 14, these heat pumps represent an effective heating and cooling solution at a great value. A cost-effective option ideal for regions with long summers, these units help keep you comfortable even in high temperatures.

Meets or exceeds 14 SEER / 8.2 HSPF
MHT™ Technology
Quiet Shift™ Technology
Omniguard® Total Corrosion Protection Technology
Integrated Compressor Protection
Single-Stage Scroll Compressor
Contactor with Lugs
Dual-Fuel Compatible

4SHP15LE

Committed to exceeding expectations

Delivering up to 15 SEER, the 4SHP15LE is the perfect blend of higher efficiency, quality and quieter operation. Thoughtfully designed to improve heat transfer and efficiency, these units may qualify for local utility rebates* and reduce monthly energy bills, while providing a comfortable home environment.

Up to 15 SEER / 8.5 HSPF
MHT Technology
Quiet Shift Technology
Omniguard® Total Corrosion Protection Technology
Compressor Sound Blanket
Integrated Compressor Protection
Single-Stage Scroll Compressor
Sealed Contactor with Lugs
Dual-Fuel Compatible

4SHP16LE

Comfort that's easy to live with

With up to 16 SEER and 9.5 HSPF, this single-stage heat pump is designed to deliver greater energy savings while both heating and cooling your home. For the most value, pair with a matched Armstrong Air® air handler. You'll enjoy greater comfort and better qualify for local utility rebates.*

Up to 16 SEER / 9.5 HSPF
MHT Technology
Quiet Shift Technology
Omniguard® Total Corrosion Protection Technology
Compressor Sound Blanket
Integrated Compressor Protection
Single-Stage Scroll Compressor
Sealed Contactor with Lugs
Dual-Fuel Compatible
Demand Defrost

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.*

Pro Series™ heat pumps offer ultimate control with up to twice the energy savings of older units.

4SHP16LS

ENERGY STAR

A powerful combination of performance & efficiency

Offering 16 SEER efficiency, the 4SHP16LS helps save you money every month, and may qualify for local utility rebates.* Because it operates at two different speeds, this heat pump provides enhanced performance with improved control over temperature and humidity throughout your home. Plus, the 4SHP16LS constantly monitors itself for optimum performance, giving you complete peace of mind.

Up to 16 SEER / 9 HSPF
MHT Technology
Quiet Shift Technology
Compressor Sound Blanket
Integrated Compressor Protection
Two-Stage Scroll Compressor
Sealed Contactor with Lugs
Dual-Fuel Compatible
Self-Diagnosing Control Panel
Comfort Sync® Enabled
Comfort Sync® Zoning
Swept-Wing Fan Blades

4SHP20LX

ENERGY STAR
Most Efficient 2020
www.energystar.gov

Extreme precision & maximum control

The 4SHP20LX variable-capacity heat pump helps keep your home's temperature precisely where you want it and may qualify for local utility rebates.* Rather than running at one or even two speeds, the inverter-driven scroll compressor changes speed in small increments for exact temperatures. Plus Comfort Sync® zoning delivers precise temperatures from room to room for complete home temperature control.

Up to 20 SEER / 10 HSPF
MHT Technology
Quiet Shift Technology
Compressor Sound Blanket
Noise Reduction
Integrated Compressor Protection
Variable-Capacity Compressor
Sealed Contactor with Lugs
Dual-Fuel Compatible
Comfort Sync® Enabled
Comfort Sync® Zoning
Swept-Wing Fan Blades
Integrated Compressor Protection

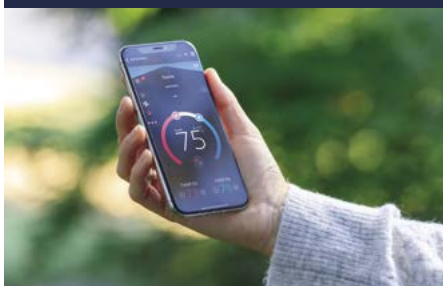
Make the Most of Your Heat Pump

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.



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Models	4SHP14LB	4SHP15LE	4SHP16LE	4SHP16LS	4SHP20LX
Ideal Usage	Reliably maintains consistent temperatures	Increases efficiency and year-round comfort	Increases efficiency and may qualify for regional rebates*	Enhances performance and control over temperature and humidity	Delivers maximum control and precise temperatures
Features	**4SHP14LB**	**4SHP15LE**	**4SHP16LE**	**4SHP16LS**	**4SHP20LX**
SEER | HSPF	Meets or exceeds 14 SEER | 8.2 HSPF	Up to 15 SEER | 8.5 HSPF	Up to 16 SEER | 9.5 HSPF	Up to 16 SEER | 9.0 HSPF	Up to 20 SEER | 10.0 HSPF
ENERGY STAR® Certified	●	●	●	●	●
ENERGY STAR Most Efficient					●
Dual-Fuel	●	●	●	●	●
Sealed Contactor with Lugs		●	●	●	●
MHT™ Technology	●	●	●	●	●
Omniguard® Total Corrosion Protection Technology	●	●	●		
Integrated Compressor Protection	●	●	●	●	●
True Variable-Capacity Compressor					●
Scroll Compressor — Two Stage				●	
Scroll Compressor — Single Stage	●	●	●		
Quiet Shift™ Technology	●	●	●	●	●
Compressor Sound Blanket		●	●	●	●
Noise Reduction					●
Comfort Sync® Enabled				●	●
Comfort Sync® Zoning				●	●
Swept-Wing Fan Blade for Noise Reduction				●	●
10-Year Warranty†	●	●	●	●	●

* 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.

† 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.

Form No. A4ASHPFLB-300 (04/20) PC93792

LIMITED PARTS 10-YEAR WARRANTY

Canada ENERGUIDE

Seasonal Energy Efficiency Ratio (SEER)
Air Source Heat Pump

THIS MODEL 14.0-20.0

13.0 — Uses least energy → 24.5

Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit www.energystar.gov.