

Packaged Units

14-16 SEER
Electric/Electric,
Heat Pump, Gas/Electric
and Dual-Fuel



TRUSTED PERFORMANCE IN A COMPACT PACKAGED UNIT

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 an even stronger dedication to excellence. The full line of Armstrong Air™ packaged units are 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 packaged 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 choosing the right packaged unit to buy. Selecting 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.

Helping create your environment, your way.

At Armstrong Air, creating the perfect system for you is our first priority. We recognize that buying a new packaged unit 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

A high-efficiency system helps lower your monthly utility bills. Efficiency can be measured in a number of different ways:

- The Seasonal Energy Efficiency Ratio (SEER) rating of an air conditioner or heat pump averages the unit's cooling performance for a typical season. The higher the SEER number, the greater the efficiency and energy savings.
- The Energy Efficiency Ratio (EER) measures the cooling efficiency of an air conditioner or heat pump. Again, the higher the EER, the more efficient the system.
- Annual Fuel Utilization Efficiency (AFUE) is shown as a percentage and relates to fossil fuel usage. An AFUE of 90% means that 90% of the fuel was turned into actual heat energy, while only 10% was lost.

Replacing an older unit with a 14 SEER or higher unit can increase performance and start saving you money immediately.



Reliability

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



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

Your Armstrong Air packaged unit's electronic control system continuously monitors operation and generates LED codes to help technicians solve problems faster and more accurately.



Noise Reduction

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

*Sound blanket available on 16 SEER unit only.

Packaged Unit System Basics

A complete packaged unit system conveniently packs heating and cooling into one box. It arrives at your home ready to go and fully optimized for outstanding performance and efficiency.

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.

How motor stages affect temperature control



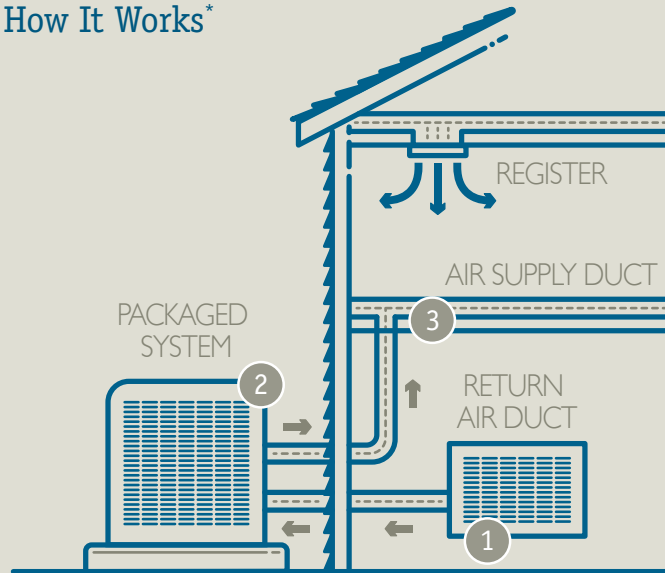
Constant Torque: The single-speed blower maintains the right amount of airflow, providing better efficiency.



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.

*This is not an accurate depiction of every packaged unit setup. Configurations and conditions may vary by model.

How It Works*



1. When the home gets too warm, the air conditioner component of the packaged system cools it down by removing heat from the air inside.
2. To warm your home comfortably and efficiently on cold days, the packaged heat pump reverses the refrigeration cycle and transfers heat from warmed coils.
3. Rather than attaching to individual components within the home, the packaged system connects directly with ductwork to disperse warm or cool air in every room.
4. Gas-electric packaged units—which combine an electric air conditioner with a natural gas-powered furnace—offer the best of both worlds for outstanding energy efficiency and performance.

Inside the design of Armstrong Air™ packaged units:



Internal Monitoring:

Your Armstrong Air packaged unit's electronic control system continuously monitors operation and generates LED codes to help technicians solve problems faster and more accurately.

MHT™ Technology:

In this proprietary heat transfer system from Armstrong Air, the coil features rifled tubing to enhance refrigerant flow, while lanced coil fins increase surface contact between metal and air. They combine for maximum heat transfer and efficiency.

Integrated Compressor Protection:

The combination of both high- and low-pressure switches gives additional reliability to each unit. The high-pressure switch prevents operation if refrigerant pressures exceed safe levels, protecting the compressor. In the event that your unit does not have enough refrigerant, the low-pressure switch prevents the unit from drawing in moisture and other contaminants while operating.

Single-Stage Compressor

(14 SEER only):

A time-proven design chosen for its consistent performance, incredible durability and long operating life, the single-stage compressor works hard year after year.

Vibration Reduction:

Each compressor is constructed with rubber pads to reduce vibration during operation. Less vibration lowers sound, so your outdoor entertaining is not interrupted.

Tri-Diamond™ Technology

(Gas/Electric and Dual Fuel only):

Our unique Tri-Diamond design increases the heat exchanger's surface area, making heat transfer more efficient. This allows for a smaller heat exchanger that requires less energy to operate.

Tilted Heat Exchanger:

By tilting the heat exchanger, the Tri-Diamond design eliminates issues caused by condensation developed during the cooling season. As a result, these units start up when they're supposed to, year after year.

Built-In Pest Control:

Even during the off-season, Armstrong Air packaged units periodically cycle on the heating components. This creates an inhospitable environment for birds, rodents and insects, keeping them from nesting inside.

Packaged units offer the perfect combination of reliability and efficiency.

PRPAC14 & PRPHP14



Dependability meets modern design

The PRPAC14 electric air conditioner is ideal if you have all-electric heating and cooling in your home. If you live in an area that experiences consistently mild temperatures, the PRPHP14 heat pump is a perfect solution for both heating and cooling. Both units offer an efficiency rating up to 14 SEER, which can help you save money on utility bills. Advanced MHT™ Technology allows maximum heat transfer. And a constant torque motor delivers enhanced energy savings and more consistent airflow.


| | |
|------------------------------------|---|
| 14 SEER | ⚡ |
| 11 EER | ⚡ |
| Up to 8.0 HSPF (PRPHP14 only) | ⚡ |
| Constant Torque Blower Motor | ⚡ |
| Single-Stage Compressor | ✓ |
| MHT Technology | ⚡ |
| Clean Sweep Defrost (PRPHP14 only) | ⚡ |

PRPAC16 & PRPHP16



Advanced technology for added comfort

The PRPAC16 and PRPHP16 are ENERGY STAR® certified and offer a highly efficient 16 SEER rating to provide consistent savings in every season. Variable-speed operation can change the speed of airflow to create even more consistent temperatures throughout the home. Plus, the all-in-one design helps keep your home as quiet as it is comfortable.

| | |
|---|---|
|  16 SEER | ⚡ |
| Up to 12.5 EER | ⚡ |
| Up to 8.2 HSPF (PRPHP16 only) | ⚡ |
| Variable-Speed Blower Motor | ⚡ |
| Two-Stage Compressor | ✓ |
| MHT Technology | ⚡ |
| Clean Sweep Defrost (PRPHP16 only) | ⚡ |
| EHX™ Technology | ✓ |

⚡ Efficiency

✓ Reliability

Packaged units provide the ultimate in cost-efficient comfort.

PRPGE14 & PRPDF14

The perfect combination of value and performance



If your home has a natural gas connection, the PRPGE14 gas/electric packaged unit could be the perfect choice for you. The dual-fuel PRPDF14 unit is ideal if your home has natural gas (or propane or oil) and electric heating and cooling, as it switches between fuel sources for optimum efficiency. With up to a 14 SEER and 8.0 HSPF rating, both units deliver savings on monthly utility bills. The single-stage compressor is designed for consistent performance and a long operating life. And advanced MHT™ Technology allows maximum heat transfer for enhanced efficiency.

| | |
|-------------------------------|--|
| 14 SEER | |
| 11 EER | |
| Up to 8.0 HSPF (PRPDF14 only) | |
| 81% AFUE | |
| Constant Torque Blower Motor | |
| Single-Stage Compressor | |
| MHT Technology | |

PRPGE16 & PRPDF16

The latest in innovative efficiency



The PRPHI16 and PRPDF16 are ENERGY STAR® certified, offering a highly efficient 16 SEER and an 8.2 HSPF rating for unmatched savings all year long. Variable-speed operations can change the speed of airflow to create even more consistent temperatures while reducing operating noise. Plus, the combination of high- and low-pressure switches protects the compressor and keeps the unit operating at peak efficiency for years.

| | | |
|--|-------------------------------|--|
| | 16 SEER | |
| | Up to 12.5 EER | |
| | Up to 8.2 HSPF (PRPDF16 only) | |
| | 81% AFUE | |
| | Variable-Speed Blower Motor | |
| | Two-Stage Compressor | |
| | EHX™ Technology | |
| | MHT Technology | |

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.





| Models | PRPAC14 & PRPHP14 | PRPAC16 & PRPHP16 | PRPGE14 | PRPGE16 | PRPDF14 | PRPDF16 |
|---------------------|--|---|--|---|--|---|
| Ideal Usage | Reliably maintains consistent temperatures | Increases efficiency and year-round comfort | Enhances performance and control over temperature and humidity | Delivers maximum control and precise temperatures | Alternates between fuel sources for maximum efficiency | Energy-saving performance in all weather conditions |
| Features | PRPAC14 & PRPHP14 | PRPAC16 & PRPHP16 | PRPGE14 | PRPGE16 | PRPDF14 | PRPDF16 |
| SEER | 14 SEER | 16 SEER | 14 SEER | 16 SEER | 14 SEER | 16 SEER |
| EER | 11 EER | Up to 12.5 EER | 11 EER | Up to 12.5 EER | 11 EER | Up to 12.5 EER |
| HSPF | Up to 8.0 HSPF | Up to 8.2 HSPF | | | Up to 8.0 HSPF | Up to 8.2 HSPF |
| Blower Motor | Constant Torque | Variable-Speed | Constant Torque | Variable-Speed | Constant Torque | Variable-Speed |
| AFUE | | | 81% | 81% | 81% | 81% |
| MHT™ Technology | ● | ● | ● | ● | ● | ● |
| Clean Sweep Defrost | ● | ● | | | ● | ● |
| Cooling Stages | Two-Stage | ● | | ● | | ● |
| | Single-Stage | ● | ● | | ● | |
| Cooling Stages | Two-Stage | | | ● | | ● |
| | Single-Stage | ● | ● | ● | ● | |
| 10-Year Warranty* | ● | ● | ● | ● | ● | ● |
| Lifetime Warranty* | | | ● | ● | ● | ● |

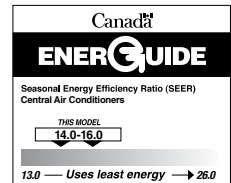
*Product registration required. Warranty applies to residential applications only. For terms, conditions and exclusions, see full warranty at armstrongair.com. Lifetime warranty is for heat exchanger only.



ARMSTRONG AIR
The Professional's Choice

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

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Proper sizing and installation of equipment is critical to achieve optimal performance. Splitsystem 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.