

4SHP18LS

Up to 18 SEER,  
Two-Stage  
Heat Pumps



SUPER-EFFICIENT COOLING AND HEATING PREFERRED BY HOMEOWNERS WHO DEMAND MORE.

# BUILT FOR LIFE. YOURS.

**AIREASE**

**AIREASE**<sup>®</sup>

Built for life. Yours.

A man in a white polo shirt is leaning on a grey heat pump unit. He is holding a green label with the word 'AIREASE' in white capital letters. The heat pump unit has a black circular fan on top and a grey lattice grille on the front. The background is a light-colored wall.

Choose the heat pump built  
on 80 years of expertise.  
Choose the 4SHP18LS.

Advanced features and technology mixed with long-term dependability. When you choose the AirEase® **4SHP18LS** heat pump, you can take comfort knowing this powerful combination is at work to give you the **highest levels of efficiency, reliability and cooling performance**. It keeps your home consistently cool—day after day and season after season, building on more than 80 years of expertise.

## Inside the design of an AirEase 4SHP18LS heat pump:



### MHT™ Technology:

AirEase's proprietary heat transfer system. A specially designed fan shroud pulls air evenly throughout the heat pump's coil surface. The coil features rifled tubing to enhance refrigerant flow, while lanced coil fins increase surface contact between metal and air. All combine for maximum heat transfer and efficiency.

### 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 dissipate performance-robbing frost and ice quietly.

### Sound Reduction:

Inside every 4SHP18LS, you'll find a compressor that's wrapped in a heavy-duty, sound-insulating blanket to reduce operating noise. So you'll enjoy peace and quiet with your comfort.

### Two-Stage Scroll Compressor:

Rather than being "all on" or "all off," your heat pump can adjust its output to a high or low level based on your cooling needs. Its two-stage scroll compressor uses a time-tested design known for its consistent performance and long operating life.

### Integrated Compressor Protection:

High- and low-pressure switches give additional reliability to each AirEase heat pump. The high-pressure switch prevents operation if refrigerant pressures exceed safe levels, protecting the compressor. If your unit does not have enough refrigerant, the low-pressure switch prevents the unit from drawing in moisture and other contaminants while operating.

### Sealed Contactor with Lugs:

Completely covers the contactor, protecting it from debris and insects.

### Communicating Control Board:

Your AirEase 4SHP18LS can continuously monitor internal components for optimum performance and fault prevention. When paired with the Comfort Sync® thermostat, you and your dealer can automatically be notified if repairs or maintenance are needed.

## 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.

## The advanced features of the AirEase 4SHP18LS work together to bring you:

### CRAFTSMANSHIP

The **4SHP18LS** combines advanced MHT and Quiet Shift Technologies with the highest-quality materials to **deliver superior performance** that you can rely on for many years to come.

### EFFICIENCY

With efficiency ratings of up to 18.00 SEER\* and 9.20 HSPF,\* the **4SHP18LS** heat pump has the power to **reduce your utility bills by hundreds of dollars every year.** (See back cover for an estimate of annual energy savings.)

### COMMITMENT

AirEase's dedication to a better product is backed by a 10-Year Limited Warranty on the compressor and a 10-Year Limited Warranty on parts.\*\*

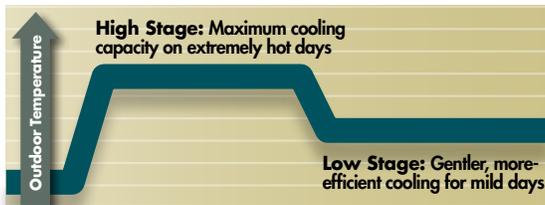
Designed to meet the demanding standards of homeowners and experienced dealers alike.

## PRECISE PERFORMANCE

Two-stage operation maintains a consistent temperature throughout your home. Since the 4SHP18LS can run at a lower capacity during milder weather, it can use longer, gentler, more-efficient heating and cooling cycles. During extremely hot or cold weather, though, it can ramp up to a higher capacity to keep your home just the right temperature.

The 4SHP18LS is also designed to be Dual-Fuel compatible, meaning it can be combined with a gas furnace for increased energy efficiency throughout the year.

## TWO-STAGE COMPRESSOR OPERATION



With its two-stage design, the 4SHP18LS makes the distinction between mild and extremely hot or cold days, using only the energy necessary to keep you comfortable.

## EFFICIENCY

The 4SHP18LS has efficiency ratings of up to 18.00 SEER\* and 9.20 HSPF\*—significantly higher than standard single-stage heat pumps. That means you can save hundreds of dollars, all without sacrificing your ideal home environment.

## 5-YEAR ENERGY SAVINGS\*\*\*



Savings versus 10.00 SEER units

\*Due to Allied Air's ongoing commitment to quality, all specifications, ratings and dimensions are subject to change without notice. Consult AHRI database for the latest performance ratings.

\*\*Warranty applies to residential applications only. For terms, conditions and exclusions, see full warranty at alliedair.com.

\*\*\*Data Source: Energy Efficiency and Renewable Energy Network, U.S. Department of Energy. Calculations are based on every \$100 spent to cool a home using a 3-ton, 10-SEER unit. Fuel rates and heating hours are based on the U.S. national average for fuel and electricity consumption. Actual costs and savings will vary depending on weather conditions, usage, location and local utility rates. This information is intended as an example for comparison purposes only.

The AirEase® 4SHP18LS heat pump. Chosen with confidence by people who expect and deliver excellence.

Choose the **4SHP18LS** heat pump for your home and experience a higher level of performance. Performance you can count on for years to come. It's a smart choice. **Because it's BUILT FOR LIFE. YOURS.**



**AIREASE**

Built for life. Yours.

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

Printed in U.S.A.  
©2014 Allied Air Enterprises LLC,  
a Lennox International Inc. Company



Because it is so efficient, your 4SHP18LS heat pump is ENERGY STAR® qualified.