

STANDARD FEATURES:

- Eco-friendly R-454B refrigerant with low GWP
- Energy-efficient compressor
- Equipped with thermal overload protection
- High quality copper tube and aluminum fin condenser
- Service valves with sweat connections and easy-access gauge ports
- Factory-installed high pressure switch and low pressure switch
- AHRI certified and ETL listed
- Filter drier included

CABINET FEATURES:

- Compact design allows for ease of installation, clearance, durability, and maneuverability
- Powder-coated galvanized steel cabinet
- Protective steel louvered coil guard
- Steel wire axial fan guard
- ECM fan motor and unique blade style allowing for smooth discharge air and quieter operation

For the latest AHRI system matches,
please visit AHRIdirectory.org

SHP14 SERIES

SPLIT SYSTEM HEAT PUMP

Up to 15.2 SEER2

Cooling Capacity: 18 - 60 kBtu/h



Warranty—5 years on parts, 10 years on compressor and heat exchanger
(Some limitations apply; see printed warranty for details.)
www.century-hvac.com



MODEL NUMBER GUIDE

| | | | | | | |
|-----------|-----------|-----------|-------------------------|------------------------|---------------------------|----------------|
| S | HP | 14 | 18 | S | 1 | A |
| SE Series | Heat Pump | SEER 2 | Capacity BTUH x 1000 | Standard Efficiency | Power 1 = 208/230-1-60 | Revision Level |

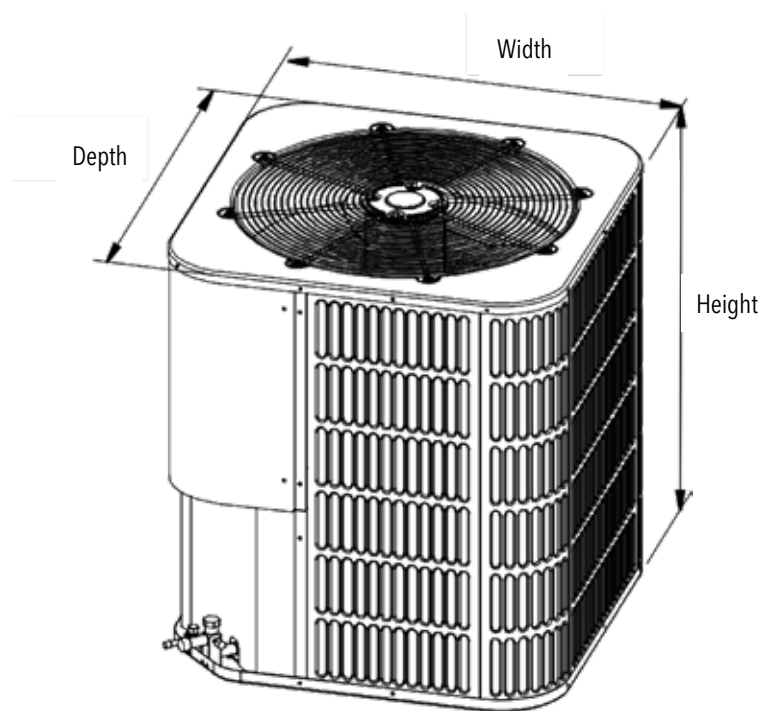
| SPECIFICATIONS | SHP1418S1A | SHP1424S1A | SHP1430S1A | SHP1436S1A |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|
| NOMINAL CAPACITY | | | | |
| Cooling (BTU/h) | 18,000 | 23,000 | 28,000 | 34,200 |
| Heating (BTU/h) | 18,000 | 22,800 | 27,000 | 34,200 |
| ELECTRICAL DATA | | | | |
| Voltage / Phase (60 Hz) | 208/230 / 1 | 208/230 / 1 | 208/230 / 1 | 208/230 / 1 |
| Min. / Max. Voltage | 187/253 | 187/253 | 187/253 | 187/253 |
| MCA | 11.5 | 14.7 | 17.2 | 21.5 |
| MOP | 19.9 | 25.4 | 29.8 | 37.5 |
| COMPRESSOR | | | | |
| Type | Scroll | Scroll | Scroll | Scroll |
| Stage | Single | Single | Single | Single |
| RLA | 8.4 | 10.7 | 12.7 | 16 |
| LRA | 47 | 59 | 71 | 86 |
| Crankcase Heater | Yes | Yes | Yes | Yes |
| CONDENSER COIL | | | | |
| Type | Tube and Fin | Tube and Fin | Tube and Fin | Tube and Fin |
| Tube Size (O.D.) | 3/16 | 9/32 | 9/32 | 9/32 |
| FAN MOTOR | | | | |
| Motor Type | ECM | ECM | ECM | ECM |
| Capacitor (uF) | / | / | / | / |
| Horsepower (HP) | 1/6 | 1/6 | 1/6 | 1/3 |
| Full Load Amps (FLA) | 1 | 1.3 | 1.3 | 1.5 |
| REFRIGERATION SYSTEM | | | | |
| Liquid Valve Size (O.D.) | 3/8 | 3/8 | 3/8 | 3/8 |
| Valve Size (O.D.) | 3/4 | 3/4 | 3/4 | 3/ |
| Liquid Line Size (O.D.) | 3/8 | 3/8 | 3/8 | 3/8 |
| Suction Line Size (O.D.) | 3/4 | 3/4 | 3/4 | 3/4 |
| Refrigerant Charge (lbs. - oz.) | 4lbs. - 11oz | 5lbs. - 13oz | 5 lbs. - 13oz | 5lbs. - 9oz |
| OPERATION RANGE | | | | |
| Cooling (°F) | 55-120 | 55-120 | 55-120 | 55-120 |
| Cooling (°C) | 12.7-48.9 | 12.7-48.9 | 12.7-48.9 | 12.7-48.9 |
| Heating (°F) | 5-86 | 5-86 | 5-86 | 5-86 |
| Heating (°C) | -15-30 | -15-30 | -15-30 | -15-30 |
| Sound Power (dB) | 73 | 75 | 75 | 77 |

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SPECIFICATIONS

| | SHP1442S1A | SHP1448S1A | SHP1460S1A |
|---------------------------------|-------------------|-------------------|-------------------|
| NOMINAL CAPACITY | | | |
| Cooling (BTU/h) | 41,000 | 45,000 | 54,000 |
| Heating (BTU/h) | 41,000 | 44,500 | 54,000 |
| ELECTRICAL DATA | | | |
| Voltage / Phase (60 Hz) | 208/230 / 1 | 208/230 / 1 | 208/230 / 1 |
| Min. / Max. Voltage | 187/253 | 187/253 | 187/253 |
| MCA | 26.2 | 28 | 36.9 |
| MOP | 45.7 | 48.7 | 64.6 |
| COMPRESSOR | | | |
| Type | Scroll | Scroll | Scroll |
| Stage | Single | Single | Single |
| RLA | 19.6 | 20.8 | 27.8 |
| LRA | 96 | 95 | 125 |
| Crankcase Heater | Yes | Yes | Yes |
| CONDENSER COIL | | | |
| Type | Tube and Fin | Tube and Fin | Tube and Fin |
| Tube Size (O.D.) | 3/16 | 3/16 | 3/16 |
| FAN MOTOR | | | |
| Motor Type | ECM | ECM | ECM |
| Capacitor (uF) | / | / | / |
| Horsepower (HP) | 1/3 | 1/3 | 1/3 |
| Full Load Amps (FLA) | 1.7 | 2.0 | 2.0 |
| REFRIGERATION SYSTEM | | | |
| Liquid Valve Size (O.D.) | 3/8 | 3/8 | 3/8 |
| Valve Size (O.D.) | 3/4 | 7/8 | 7/8 |
| Liquid Line Size (O.D.) | 3/8 | 3/8 | 3/8 |
| Suction Line Size (O.D.) | 3/4 | 7/8 | 1-1/8 |
| Refrigerant Charge (lbs. - oz.) | 6lbs. - 11oz | 6lbs. - 11oz | 6lbs. - 15oz |
| OPERATION RANGE | | | |
| Cooling (°F) | 55-120 | 55-120 | 55-120 |
| Cooling (°C) | 12.7-48.9 | 12.7-48.9 | 12.7-48.9 |
| Heating (°F) | 5-86 | 5-86 | 5-86 |
| Heating (°C) | -15-30 | -15-30 | -15-30 |
| Sound Power (dB) | 78 | 78 | 80 |



| | SHP1418S1A | SHP1424S1A | SHP1430S1A | SHP1436S1A | SHP1442S1A | SHP1448S1A | SHP1460S1A |
|-------------------------------|------------|------------|------------|------------|------------|------------|------------|
| DIMENSIONS AND WEIGHTS | | | | | | | |
| Height (in.) | 24 - 15/16 | 24 - 15/16 | 24 - 15/16 | 24 - 15/16 | 33 - 3/16 | 33 - 3/16 | 33 - 3/16 |
| Width (in.) | 23 - 5/8 | 28 | 28 | 29 - 1/8 | 28 | 28 | 29 - 1/8 |
| Depth (in.) | 23 - 5/8 | 28 | 28 | 29 - 1/8 | 28 | 28 | 29 - 1/8 |
| Weight (lbs.) | 137 | 154 | 157 | 179 | 198 | 201 | 218 |

"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.