



SE Series

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.comfort-aire.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

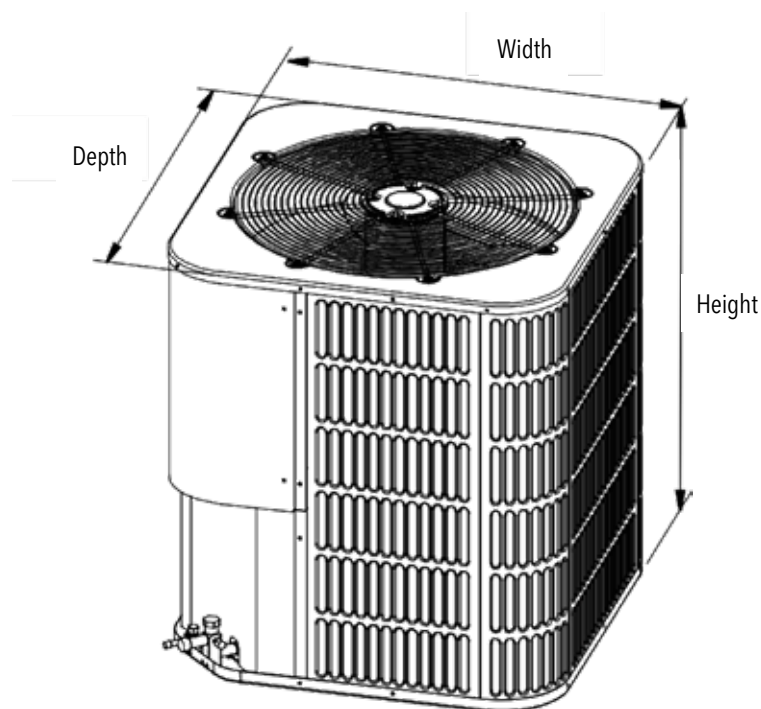
SPECIFICATIONS	SHP1418S1A	SHP1424S1A	SHP1430S1A	SHP1436S1A
NOMINAL CAPACITY				
Cooling (BTU/h)	18,000	23,000	28,000	34,200
Heating (BTU/h)	18,000	22,800	27,000	34,200
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208/230 / 1	208/230 / 1	208/230 / 1	208/230 / 1
Min. / Max. Voltage	187/253	187/253	187/253	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.