

### STANDARD FEATURES:

- Eco-friendly R-454B refrigerant with low GWP
- Energy-efficient compressor
- Equipped with thermal overload protection
- High quality condenser with inner-groove copper tube and aluminum fin
- 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 as accessory

### 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

## SAC14 SERIES

### SPLIT SYSTEM AIR CONDITIONER

Up to 15.2 SEER2

Cooling Capacity: 18 - 60 kBtu/h



For the latest AHRI system matches,  
please visit [AHRIdirectory.org](http://AHRIdirectory.org)

Warranty—5 years on parts, 10 years on compressor and heat exchanger  
(Some limitations apply; see printed warranty for details.)  
[www.comfort-aire.com](http://www.comfort-aire.com)



## MODEL NUMBER GUIDE

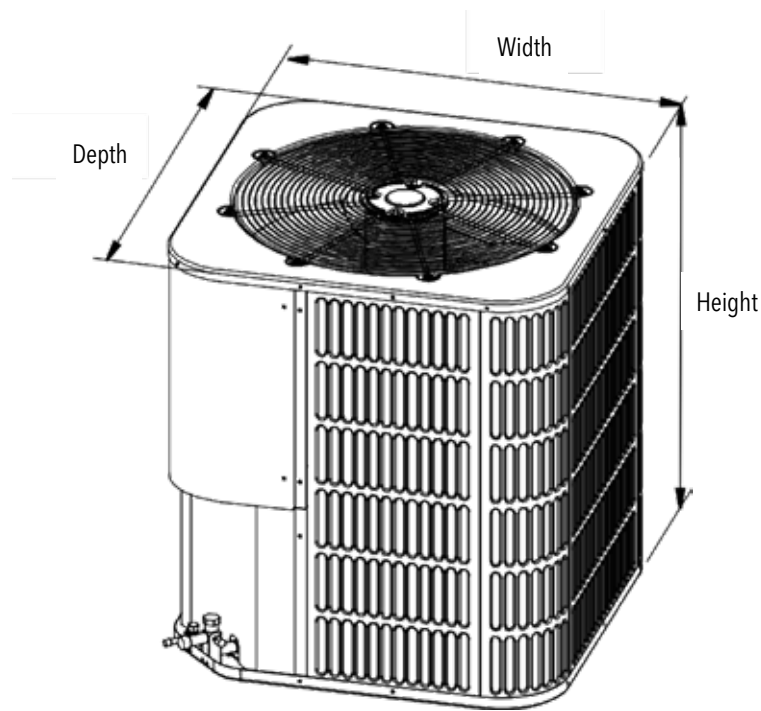
|           |                  |           |                         |                        |                           |                |
|-----------|------------------|-----------|-------------------------|------------------------|---------------------------|----------------|
| <b>S</b>  | <b>AC</b>        | <b>14</b> | <b>18</b>               | <b>S</b>               | <b>1</b>                  | <b>A</b>       |
| SE Series | Air Conditioning | SEER<br>2 | Capacity<br>BTUH x 1000 | Standard<br>Efficiency | Power<br>1 = 208/230-1-60 | Revision Level |

| <b>SPECIFICATIONS</b>           | <b>SAC1418S1A</b> | <b>SAC1424S1A</b> | <b>SAC1430S1A</b> | <b>SAC1436S1A</b> |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|
| <b>NOMINAL CAPACITY</b>         |                   |                   |                   |                   |
| Cooling (BTU/h)                 | 17,800            | 23,800            | 28,000            | 33,600            |
| <b>ELECTRICAL DATA</b>          |                   |                   |                   |                   |
| 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                             | 11.4              | 15.3              | 16.4              | 21.9              |
| MOP                             | 19.9              | 26.5              | 28.4              | 38.3              |
| <b>COMPRESSOR</b>               |                   |                   |                   |                   |
| Type                            | Rotary            | Rotary            | Rotary            | Scroll            |
| Stage                           | Single            | Single            | Single            | Single            |
| RLA                             | 8.4               | 11.2              | 12.1              | 16.3              |
| LRA                             | 40                | 55                | 55                | 86                |
| Crankcase Heater                | No                | No                | No                | No                |
| <b>CONDENSER COIL</b>           |                   |                   |                   |                   |
| Type                            | Tube and Fin      | Tube and Fin      | Tube and Fin      | Tube and Fin      |
| <b>FAN MOTOR</b>                |                   |                   |                   |                   |
| Motor Type                      | ECM               | ECM               | ECM               | ECM               |
| Capacitor (uF)                  | /                 | /                 | /                 | /                 |
| Horsepower (HP)                 | 1/6               | 1/6               | 1/6               | 1/3               |
| Full Load Amps (FLA)            | 0.9               | 1.3               | 1.2               | 1.5               |
| <b>REFRIGERATION SYSTEM</b>     |                   |                   |                   |                   |
| Liquid Valve Size (O.D.)        | 3/8               | 3/8               | 3/8               | 3/8               |
| Suction Valve Size (O.D.)       | 3/4               | 3/4               | 3/4               | 3/4               |
| 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.) | 4 lbs. - 6oz      | 4 lbs. - 14oz     | 6 lbs. - 6oz      | 5 lbs. - 1oz      |
| <b>OPERATION RANGE</b>          |                   |                   |                   |                   |
| 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         |
| Sound Power (dB)                | 73                | 75                | 75                | 77                |

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| SPECIFICATIONS                  | SAC1442S1A    | SAC1448S1A   | SAC1460S1A   |
|---------------------------------|---------------|--------------|--------------|
| <b>NOMINAL CAPACITY</b>         |               |              |              |
| Cooling (BTU/h)                 | 41,000        | 45,000       | 54,000       |
| <b>ELECTRICAL DATA</b>          |               |              |              |
| Voltage / Phase (60 Hz)         | 208/230 / 1   | 208/230 / 1  | 208/230 / 1  |
| Min. / Max. Voltage             | 187/253       | 187/253      | 187/253      |
| MCA                             | 24.5          | 28.3         | 36.8         |
| MOP                             | 42.6          | 49.3         | 64.5         |
| <b>COMPRESSOR</b>               |               |              |              |
| Type                            | Scroll        | Scroll       | Scroll       |
| Stage                           | Single        | Single       | Single       |
| RLA                             | 18.2          | 21.0         | 27.8         |
| LRA                             | 96            | 95           | 125          |
| Crankcase Heater                | No            | No           | No           |
| <b>CONDENSER COIL</b>           |               |              |              |
| Type                            | Tube and Fin  | Tube and Fin | Tube and Fin |
| <b>FAN MOTOR</b>                |               |              |              |
| 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          |
| <b>REFRIGERATION SYSTEM</b>     |               |              |              |
| Liquid Valve Size (O.D.)        | 3/8           | 3/8          | 3/8          |
| Suction Valve Size (O.D.)       | 7/8           | 7/8          | 7/8          |
| Liquid Line Size (O.D.)         | 3/8           | 3/8          | 3/8          |
| Suction Line Size (O.D.)        | 7/8           | 7/8          | 1-1/8        |
| Refrigerant Charge (lbs. - oz.) | 5 lbs. - 12oz | 6 lbs. - 4oz | 6 lbs. - 0oz |
| <b>OPERATION RANGE</b>          |               |              |              |
| Cooling (°F)                    | 55-120        | 55-120       | 55-120       |
| Cooling (°C)                    | 12.7-48.9     | 12.7-48.9    | 12.7-48.9    |
| Sound Power (dB)                | 78            | 78           | 80           |



|                               | SAC1418S1A | SAC1424S1A | SAC1430S1A | SAC1436S1A | SAC1442S1A | SAC1448S1A | SAC1460S1A |
|-------------------------------|------------|------------|------------|------------|------------|------------|------------|
| <b>DIMENSIONS AND WEIGHTS</b> |            |            |            |            |            |            |            |
| Height (in.)                  | 24 - 15/16 | 24 - 15/16 | 33 - 3/16  | 24 - 15/16 | 33 - 3/16  | 33 - 3/16  | 33 - 3/16  |
| Width (in.)                   | 23 - 5/8   | 28         | 28         | 29 - 1/8   | 29 - 1/8   | 28         | 29 - 1/8   |
| Depth (in.)                   | 23 - 5/8   | 28         | 28         | 29 - 1/8   | 29 - 1/8   | 28         | 29 - 1/8   |
| Weight (lbs.)                 | 117        | 132        | 161        | 154        | 174        | 187        | 212        |

"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.