

## STANDARD FEATURES:

- R410A chlorine-free refrigerant
- Energy-efficient compressor
- Internal protection against high temperature motor overload conditions
- 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:

- Unique top design for sound control
- Compact design, easy installation, and transportation
- Powder-coated galvanized steel cabinet
- Wire fan grille
- Steel louver coil guard

## SPLIT SYSTEM AIR CONDITIONER

*Up to 15.2 SEER2*

*Cooling capacity: 18 - 60 kBtu/h*



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

*Comfort-Aire*<sup>®</sup>

### Limited Warranty

5 years on unit parts. Unit cost replacement if heat exchanger, condenser coil, evaporator coil (packaged systems only), or compressor fails in the first year.

With registration, 10 years on compressor and 20 years on heat exchanger.

*(Limitations apply, see actual warranty for complete details.)*

[www.comfort-aire.com](http://www.comfort-aire.com)

## MODEL NUMBER GUIDE

|             |          |                  |           |                         |           |                               |                |
|-------------|----------|------------------|-----------|-------------------------|-----------|-------------------------------|----------------|
| <b>R</b>    | <b>S</b> | <b>A</b>         | <b>15</b> | <b>18</b>               | <b>S</b>  | <b>1</b>                      | <b>A</b>       |
| Residential | Split    | Air Conditioning | SEER<br>2 | Capacity<br>BTUH x 1000 | SE Series | Power<br>1 = 208/230-<br>1-60 | Revision Level |

## SPECIFICATIONS

|                                 | RSA1518S1A   | RSA1524S1A   | RSA1530S1A  | RSA1536S1A  |
|---------------------------------|--------------|--------------|-------------|-------------|
| <b>NOMINAL CAPACITY</b>         |              |              |             |             |
| Cooling (BTU/h)                 | 18,000       | 24,000       | 30,000      | 36,000      |
| <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                             | 11.6         | 14.6         | 15.8        | 21          |
| MOP                             | 15           | 20           | 25          | 35          |
| <b>COMPRESSOR</b>               |              |              |             |             |
| Type                            | Rotary       | Rotary       | Rotary      | Scroll      |
| Stage                           | Single       | Single       | Single      | Single      |
| RLA                             | 8            | 10.4         | 11.4        | 15          |
| LRA                             | 35           | 43           | 58          | 75          |
| <b>CONDENSER COIL</b>           |              |              |             |             |
| Type                            | Tube & Fin   | Tube & Fin   | Tube & Fin  | Tube & Fin  |
| Tube Size (O.D.)                | 3/16         | 3/16         | 3/16        | 3/16        |
| <b>FAN MOTOR</b>                |              |              |             |             |
| Motor Type                      | ECM          | ECM          | ECM         | ECM         |
| Capacitor (uF)                  | /            | /            | /           | /           |
| Horsepower (HP)                 | 1-1/6        | 1-1/6        | 1-1/6       | 1-1/3       |
| Full Load Amps (FLA)            | 1.6          | 1.6          | 1.6         | 2.2         |
| <b>REFRIGERATION SYSTEM</b>     |              |              |             |             |
| Liquid Valve Size (O.D.)        | 3/8          | 3/8          | 3/8         | 3/8         |
| 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.-14 OZ | 5 LBS.-12 OZ | 7 LBS.-5 OZ | 5 LBS.-9 OZ |
| Superheat (°F)                  | 9 °F         | 9 °F         | 9 °F        | 9 °F        |
| <b>OPERATION RANGE</b>          |              |              |             |             |
| Cooling (°F)                    | 55-115       | 55-115       | 55-115      | 55-115      |
| Sound Power (dB)                | 70           | 73           | 72          | 75          |

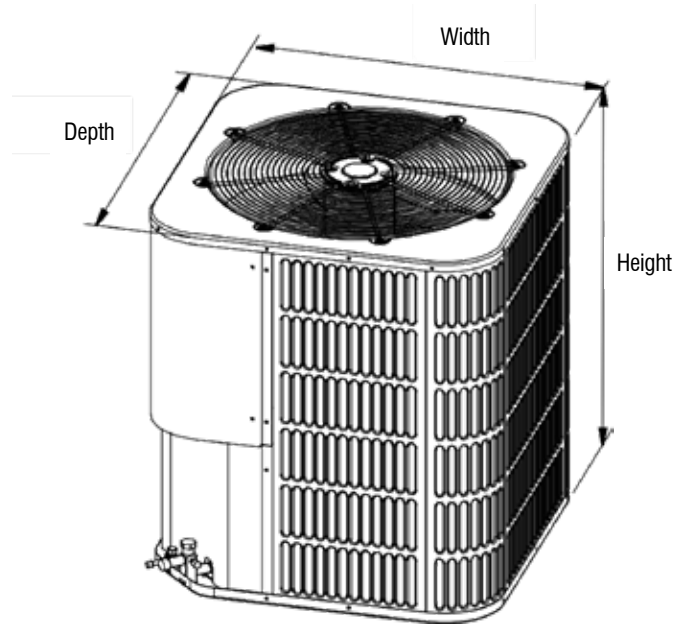
**NOTE:**

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## SPECIFICATIONS

|                                 | RSA1542S1A  | RSA1548S1A   | RSA1560S1A    |
|---------------------------------|-------------|--------------|---------------|
| <b>NOMINAL CAPACITY</b>         |             |              |               |
| Cooling (BTU/h)                 | 42,000      | 48,000       | 60,000        |
| <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                             | 24.9        | 25.2         | 35.1          |
| MOP                             | 45          | 45           | 60            |
| <b>COMPRESSOR</b>               |             |              |               |
| Type                            | Scroll      | Scroll       | Scroll        |
| Stage                           | Single      | Single       | Single        |
| RLA                             | 18.1        | 18.4         | 26.3          |
| LRA                             | 112         | 94           | 127           |
| <b>CONDENSER COIL</b>           |             |              |               |
| Type                            | Tube & Fin  | Tube & Fin   | Micro Channel |
| Tube Size (O.D.)                | 3/16        | 3/16         | -             |
| <b>FAN MOTOR</b>                |             |              |               |
| Motor Type                      | ECM         | ECM          | ECM           |
| Capacitor (uF)                  | /           | /            | /             |
| Horsepower (HP)                 | 1-1/3       | 1-1/3        | 1-1/3         |
| Full Load Amps (FLA)            | 2.2         | 2.2          | 2.2           |
| <b>REFRIGERATION SYSTEM</b>     |             |              |               |
| Liquid Valve Size (O.D.)        | 3/8         | 3/8          | 3/8           |
| 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          | 11/8          |
| Refrigerant Charge (lbs. - oz.) | 8 LBS.-1 OZ | 8 LBS.-10 OZ | 7 LBS.-14 OZ  |
| Superheat (°F)                  | 9 °F        | 9 °F         | 9 °F          |
| <b>OPERATION RANGE</b>          |             |              |               |
| Cooling (°F)                    | 55-115      | 55-115       | 55-115        |
| Sound Power (dB)                | 75          | 76           | 77            |



|                               | RSA1518S1A | RSA1524S1A | RSA1530S1A | RSA1536S1A | RSA1542S1A | RSA1548S1A | RSA1560S1A |
|-------------------------------|------------|------------|------------|------------|------------|------------|------------|
| <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     | 29-1/8     | 29-1/8     |
| Depth (in.)                   | 23-5/8     | 28         | 28         | 29-1/8     | 29-1/8     | 29-1/8     | 29-1/8     |
| Weight (lbs.)                 | 117        | 132        | 156        | 154        | 191        | 191        | 194        |

|  | Where Used     | Kit #      | Purpose   |
|--|----------------|------------|---|
| <b>System Accessories (indoor section)</b> |                |            |   |
| TXV Kit                                    | 18, 24, 30, 36 | TR6-3TONNB | TXV's provide superior refrigerant flow control, comfort and efficiency compared to pistons |
|  | 42, 48         | TR6-4TON   |   |
|  | 60             | TR6-5TON   |   |

*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.*

"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."