



## 13 SEER Condensing Units for R-410A

### RSG13 SERIES 1½ to 5 Tons

Dependable comfort for single family, multi-family and light commercial applications.

- **Louvered metal jacket** protects the coil while adding to the attractive appearance
- **Long life copper coils** with enhanced aluminum fins provide maximum heat exchange for greatest efficiency
- **Muffler** on compressor discharge dampens compressor sound
- **Top discharge fan** assembly provides easy access to working components, optimum heat exhaust and quiet operation
- **Scroll compressors** feature advanced technology for long life and efficiency
- **Heavy duty grille** and motor mount contribute to quiet fan operation
- **Service ports** for both vapor and liquid are easily accessed
- **Waterproof control box** is conveniently located for installation and service
- **Durable cabinet** is painted to stand up to tough weather conditions and maintain an attractive appearance
- Condensing units are designed for outdoor ground level or rooftop installation



Top discharge fan assembly for simple access to components; fan motor is mounted to grille for quiet operation

Readily accessible service valves and ports for fast installation and maintenance



Units are certified and rated under AHRI Standard 210/240 for Unitary Air Conditioners when installed as a matched system

# HEAT CONTROLLER, INC.

## PERFORMANCE DATA—AHRI STANDARD CONDITIONS—NOMINAL 13 SEER

| INDOOR/OUTDOOR UNIT MATCHES                             |                  |                      | COOLING PERFORMANCE<br><small>80°F DB/67°F WB INDOOR—95°F DB OUTDOOR</small> |        |            |       | NOM.<br>AIR FLOW<br>CFM |
|---|------------------|----------------------|--|--------|------------|-------|-------------------------|
| INDOOR<br>TYPE  | OUTDOOR<br>MODEL | INDOOR<br>MODEL      | CAPACITY (BTUH)  |        | EFFICIENCY |       |                         |
|   |                  |                      | TOTAL  | SENS   | EER        | SEER* |                         |
| <b>HYDRONIC<br/>AIR HANDLER</b>                         | RSG1318-1A       | AHG24-0A             | 17,900   | 14,900 | 11.4       | 13.0  | 600                     |
|   | RSG1324-1A       | AHG24-0A             | 23,600   | 19,600 | 11.2       | 13.0  | 800                     |
|   | RSG1330-1A       | AHG30-0A             | 29,600   | 24,500 | 11.6       | 13.0  | 1000                    |
|   | RSG1336-1A       | AHG36-0A             | 34,000   | 28,500 | 11.2       | 13.0  | 1200                    |
|   | RSG1342-1A       | AHG48-0A             | 41,500   | 34,400 | 11.2       | 13.0  | 1400                    |
|   | RSG1348-1A       | AHG48-0A             | 47,000   | 39,000 | 11.5       | 13.0  | 1600                    |
|   | RSG1360-1A       | AHG60-0A             | 55,500   | 48,000 | 11.1       | 13.0  | 2000                    |
| <b>VARIABLE SPEED<br/>HYDRONIC<br/>AIR HANDLER</b>      | RSG1318-1A       | AHGV24-0A            | 18,000   | 15,000 | 12.0       | 14.0  | 600                     |
|   | RSG1324-1A       | AHGV24-0A            | 23,800   | 19,500 | 11.8       | 14.0  | 800                     |
|   | RSG1330-1A       | AHGV36-0A            | 29,200   | 23,900 | 12.0       | 14.0  | 1000                    |
|   | RSG1336-1A       | AHGV36-0A            | 36,000   | 29,500 | 12.0       | 14.0  | 1200                    |
|   | RSG1342-1A       | AHGV48-0A            | 42,000   | 34,400 | 12.0       | 14.0  | 1400                    |
|   | RSG1348-1A       | AHGV48-0A            | 48,000   | 39,400 | 12.0       | 14.0  | 1600                    |
|   | RSG1360-1A       | AHGV60-0A            | 55,000   | 46,700 | 11.8       | 13.5  | 2000                    |
| <b>ELECTRIC HEAT<br/>AIR HANDLER</b>                    | RSG1318-1A       | HAG24-00-1A          | 17,900   | 14,900 | 11.4       | 13.0  | 600                     |
|   | RSG1324-1A       | HAG24-00-1A          | 23,600   | 19,600 | 11.2       | 13.0  | 800                     |
|   | RSG1330-1A       | HAG36-00-1A          | 29,600   | 24,500 | 11.6       | 13.0  | 1000                    |
|   | RSG1336-1A       | HAG36-00-1A          | 34,000   | 28,500 | 11.5       | 13.0  | 1200                    |
|   | RSG1342-1A       | HAG48-00-1A          | 41,500   | 34,400 | 11.2       | 13.0  | 1400                    |
|   | RSG1348-1A       | HAG48-00-1A          | 47,000   | 39,000 | 11.5       | 13.0  | 1600                    |
|   | RSG1360-1A       | HAG60-00-1A          | 55,500   | 48,000 | 11.1       | 13.0  | 2000                    |
| <b>VARIABLE SPEED<br/>ELECTRIC HEAT<br/>AIR HANDLER</b> | RSG1318-1A       | HAGV24-00-1A         | 18,000   | 15,000 | 12.0       | 14.0  | 600                     |
|   | RSG1324-1A       | HAGV24-00-1A         | 23,800   | 19,700 | 11.8       | 14.0  | 800                     |
|   | RSG1330-1A       | HAGV36-00-1A         | 29,200   | 23,200 | 12.0       | 14.0  | 1000                    |
|   | RSG1336-1A       | HAGV36-00-1A         | 36,000   | 28,300 | 12.0       | 14.0  | 1200                    |
|   | RSG1342-1A       | HAGV48-00-1A         | 42,000   | 34,000 | 12.0       | 14.0  | 1400                    |
|   | RSG1348-1A       | HAGV48-00-1A         | 48,000   | 38,900 | 12.0       | 14.0  | 1600                    |
|   | RSG1360-1A       | HAGV60-00-1A         | 55,000   | 46,100 | 11.9       | 13.5  | 2000                    |
| <b>UPFLOW AND<br/>COUNTERFLOW<br/>CASED COILS*</b>      | RSG1318-1A       | VHG24EA-14, -17      | 18,000   | 15,100 | 11.4       | 13.0  | 600                     |
|   | RSG1324-1A       | VHG24EA-14, -17      | 24,000   | 19,600 | 11.2       | 13.0  | 800                     |
|   | RSG1330-1A       | VHG36EA-14, -17, -21 | 29,600   | 24,500 | 11.6       | 13.0  | 1,000                   |
|   | RSG1336-1A       | VHG36EA-14, -17, -21 | 34,600   | 28,000 | 11.5       | 13.0  | 1,200                   |
|   | RSG1342-1A       | VHG48EA-17, -21, -24 | 41,500   | 34,000 | 11.2       | 13.0  | 1,400                   |
|   | RSG1348-1A       | VHG48EA-17, -21, -24 | 47,000   | 38,500 | 11.5       | 13.0  | 1,600                   |
|   | RSG1360-1A       | VHG60EA-21, -24      | 56,500   | 46,300 | 11.0       | 13.0  | 2,000                   |
| <b>MULTI-POSITION<br/>CASED COILS</b>                   | RSG1318-1A       | MHG24EA-14, -17      | 18,000   | 15,100 | 11.4       | 13.0  | 600                     |
|   | RSG1324-1A       | MHG24EA-14, -17      | 24,000   | 19,600 | 11.2       | 13.0  | 800                     |
|   | RSG1330-1A       | MHG36EA-14, -17, -21 | 29,600   | 24,500 | 11.6       | 13.0  | 1,000                   |
|   | RSG1336-1A       | MHG36EA-14, -17, -21 | 34,600   | 28,000 | 11.5       | 13.0  | 1,200                   |
|   | RSG1342-1A       | MHG48EA-17, -21, -24 | 41,500   | 34,000 | 11.2       | 13.0  | 1,400                   |
|   | RSG1348-1A       | MHG48EA-17, -21, -24 | 47,000   | 38,500 | 11.5       | 13.0  | 1,600                   |
|   | RSG1360-1A       | MHG60EA-21, -24      | 56,500   | 46,300 | 11.0       | 13.0  | 2,000                   |
| <b>UNCASED COILS</b>                                    | RSG1318-1A       | CSG24EA-14, -17      | 18,000   | 15,100 | 11.4       | 13.0  | 600                     |
|   | RSG1324-1A       | CSG24EA-14, -17      | 24,000   | 19,600 | 12.2       | 13.0  | 800                     |
|   | RSG1330-1A       | CSG36EA-14, -17, -21 | 29,600   | 24,500 | 11.6       | 13.0  | 1,000                   |
|   | RSG1336-1A       | CSG36EA-14, -17, -21 | 34,600   | 28,000 | 11.5       | 13.0  | 1,200                   |
|   | RSG1342-1A       | CSG48EA-17, -21, -24 | 41,500   | 34,000 | 11.2       | 13.0  | 1,400                   |
|   | RSG1348-1A       | CSG48EA-17, -21, -24 | 47,000   | 38,500 | 11.5       | 13.0  | 1,600                   |
|   | RSG1360-1A       | CSG60EA-21, -24      | 56,500   | 46,300 | 11.0       | 13.0  | 2,000                   |

\*Limited availability on some models. Contact Factory.

NOTE: Only these combinations of indoor and outdoor units are approved. Any other combinations will not be considered AHRI certified match and could void the warranty.

**PERFORMANCE DATA—AHRI STANDARD CONDITIONS—NOMINAL 13 SEER**

| Model      | Rated Load Amps (RLA) | Compressor              |                                | Min. Circuit Ampacity | Max. Fuse or HACR Circuit Breaker | Outdoor Coil      |          |      | R-410A Oz.* | Weight   |           |
|------------|-----------------------|-------------------------|--------------------------------|-----------------------|-----------------------------------|-------------------|----------|------|-------------|----------|-----------|
|            |                       | Locked Rotor Amps (LRA) | Fan Motor Full Load Amps (FLA) |                       |                                   | Face Area Sq. Ft. | No. Rows | CFM  |             | Net Lbs. | Ship Lbs. |
| RSG1318-1A | 9.0/9.0               | 48                      | 0.6                            | 12/12                 | 20/20                             | 11.06             | 1        | 1645 | 77          | 127      | 135       |
| RSG1324-1A | 12.8/12.8             | 58.3                    | 0.6                            | 17/17                 | 25/25                             | 11.06             | 1        | 1700 | 77          | 126      | 134       |
| RSG1330-1A | 14.1/14.1             | 73                      | 0.8                            | 19/19                 | 30/30                             | 13.72             | 1        | 2370 | 95          | 144      | 154       |
| RSG1336-1A | 17.0/17.0             | 96.7                    | 0.8                            | 23/23                 | 35/35                             | 16.39             | 1        | 2805 | 106         | 166      | 178       |
| RSG1342-1A | 21.8/21.8             | 112                     | 1.2                            | 29/29                 | 50/50                             | 16.39             | 1        | 3295 | 118         | 194      | 206       |
| RSG1348-1A | 21.8/21.8             | 117                     | 1.2                            | 29/29                 | 50/50                             | 21.85             | 1        | 3295 | 149         | 222      | 233       |
| RSG1360-1A | 26.4/26.4             | 134                     | 1.2                            | 35/35                 | 60/60                             | 21.85             | 1        | 3570 | 176         | 227      | 238       |

\*Factory charge includes refrigerant for 15 feet of standard line set.

**LINE SIZES AND COMPRESSOR**

| Model      | Connection Size (Inch ODS Female) |         | Standard Line Size (Inch OD) |         | Compressor Type |
|------------|-----------------------------------|---------|------------------------------|---------|-----------------|
|            | Liquid                            | Suction | Liquid                       | Suction |                 |
| RSG1318-1A | 3/8                               | 3/4     | 3/8                          | 3/4     | Scroll          |
| RSG1324-1A | 3/8                               | 3/4     | 3/8                          | 3/4     | Scroll          |
| RSG1330-1A | 3/8                               | 3/4     | 3/8                          | 3/4     | Scroll          |
| RSG1336-1A | 3/8                               | 7/8     | 3/8                          | 7/8     | Scroll          |
| RSG1342-1A | 3/8                               | 7/8     | 3/8                          | 7/8     | Scroll          |
| RSG1348-1A | 3/8                               | 7/8     | 3/8                          | 1-1/8   | Scroll          |
| RSG1360-1A | 3/8                               | 7/8     | 3/8                          | 1-1/8   | Scroll          |

**MODEL IDENTIFICATION**

|            |                    |                |                                 |          |                            |                |
|------------|--------------------|----------------|---------------------------------|----------|----------------------------|----------------|
| <b>RS</b>  | <b>G</b>           | <b>13</b>      | <b>18</b>                       | <b>—</b> | <b>1</b>                   | <b>A</b>       |
| A/C Series | Refrigerant R-410A | SEER (Nominal) | Nominal Cooling Capacity x 1000 |          | Power<br>1 = 208/230V-1-60 | Revision Level |

**Power Supply: 208/230V-1-60**

## UNIT DIMENSIONS

| Model Number      | Height "H"<br>(inches) | Depth "D"<br>(inches) | Width "W"<br>(inches) |
|-------------------|------------------------|-----------------------|-----------------------|
| RSG1318/1324      | 24-1/4                 | 23-5/8                | 23-5/8                |
| RSG1330           | 24-1/4                 | 27-5/8                | 27-5/8                |
| RSG1336/1342/1348 | 27-3/8                 | 31-5/8                | 31-5/8                |
| RSG1360           | 35-3/8                 | 31-5/8                | 31-5/8                |



### **Outstanding Limited Warranty—12 years on compressor, 12 years on other parts!**

With registration by original owner within 90 days; other limitations apply. See printed warranty for details.

**Design, specifications, materials and performance data  
subject to change without notice.**

# HEAT CONTROLLER, INC.

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**THE QUALITY LEADER IN CONDITIONING AIR**