

## FEATURES:

- Aluminized steel tubular heat exchanger
- Quiet multi-speed circulation blower
- Direct spark ignition
- Horizontal or down flow application
- Convenient access panels
- LP conversion kit provided
- AHRI Certified and ETL listed

## GAS ELECTRIC PACKAGED UNIT

13.4 SEER2

Capacity: 24 - 60 kBTU/h



*This gas/electric package unit is not ultra low NOx compliant (< 14 ng/J) and may not be installed within the SJVAPCD or SCAQMD air districts of California.*

## MODEL NUMBER GUIDE

| R           | G            | P            | 24                                      | 60                              | S         | 1                         | A              |
|-------------|--------------|--------------|-----------------------------------------|---------------------------------|-----------|---------------------------|----------------|
| Residential | Gas/Electric | Package Unit | Nominal Cooling Capacity<br>BTUH x 1000 | Heating Capacity<br>BTUH x 1000 | SE Series | Power<br>1 = 208/230-1-60 | Revision Level |

## SPECIFICATIONS

|                                 | RGP2460S1A | RGP3060S1A | RGP3690S1A | RGP4290S1A | RGP4890S1A | RGP6090S1A | RGP60110S1A |
|---------------------------------|------------|------------|------------|------------|------------|------------|-------------|
| <b>Performance</b>              |            |            |            |            |            |            |             |
| Cooling (BTU/h) (@ 95°F)        | 22,800     | 28,400     | 34,200     | 40,000     | 48,000     | 57,500     | 57,500      |
| SEER2                           | 13.4       | 13.4       | 13.4       | 13.4       | 13.4       | 13.4       | 13.4        |
| EER2 (@ 95°F)                   | 10.6       | 10.6       | 10.6       | 10.6       | 10.6       | 10.6       | 10.6        |
| Heating (BTU/h) Input           | 60,000     | 60,000     | 90,000     | 90,000     | 90,000     | 90,000     | 110,000     |
| Heating (BTU/h) Output          | 48,000     | 48,000     | 72,000     | 72,000     | 72,000     | 72,000     | 88,000      |
| AFUE                            | 81         | 81         | 81         | 81         | 81         | 81         | 81          |
| Temperature Rise Range (°F)     | 30-60      | 30-60      | 40-70      | 36-65      | 30-60      | 30-60      | 30-60       |
| <b>ELECTRICAL DATA</b>          |            |            |            |            |            |            |             |
| Voltage / Phase (60 Hz)         | 208/230/1  | 208/230/1  | 208/230/1  | 208/230/1  | 208/230/1  | 208/230/1  | 208/230/1   |
| Min. / Max. Voltage             | 187/253    | 187/253    | 187/253    | 187/253    | 187/253    | 187/253    | 187/253     |
| MCA                             | 19         | 21         | 23         | 28         | 31         | 37         | 37          |
| MOP                             | 25         | 30         | 35         | 40         | 50         | 60         | 60          |
| <b>COMPRESSOR</b>               |            |            |            |            |            |            |             |
| Type                            | Rotary     | Rotary     | Rotary     | Scroll     | Rotary     | Rotary     | Scroll      |
| Stage                           | Single     | Single     | Single     | Single     | Single     | Single     | Single      |
| RLA                             | 11.0       | 13.0       | 14.0       | 16.0       | 13.0       | 14.0       | 16.0        |
| LRA                             | 43.0       | 58.0       | 72.0       | 112.3      | 58.0       | 72.0       | 112.3       |
| <b>OUTDOOR FAN MOTOR</b>        |            |            |            |            |            |            |             |
| Motor Type                      | PSC        | PSC        | PSC        | PSC        | PSC        | PSC        | PSC         |
| Horsepower (HP)                 | 1/12       | 1/6        | 1/6        | 1/3        | 1/3        | 1/3        | 1/3         |
| Full Load Amps (FLA)            | 0.61       | 1.0        | 1.0        | 1.9        | 1.9        | 1.9        | 1.9         |
| Rated RPM                       | 900        | 850        | 850        | 1050       | 1050       | 1050       | 1050        |
| <b>INDOOR BLOWER MOTOR</b>      |            |            |            |            |            |            |             |
| Motor Type                      | ECM        | ECM        | ECM        | ECM        | ECM        | ECM        | ECM         |
| Horsepower (HP)                 | 1/2        | 1/2        | 1/2        | 3/4        | 3/4        | 3/4        | 3/4         |
| Full Load Amps (FLA)            | 4.2        | 4.2        | 4.2        | 5.7        | 5.7        | 5.7        | 5.7         |
| Rated RPM                       | 1050       | 1050       | 1050       | 1050       | 1050       | 1050       | 1050        |
| <b>REFRIGERATION SYSTEM</b>     |            |            |            |            |            |            |             |
| Refrigerant Control             | Orifice    | Orifice    | Orifice    | Orifice    | Orifice    | Orifice    | Orifice     |
| Refrigerant Charge (lbs. - oz.) | 2 - 15.6   | 3 - 4.9    | 3 - 4.9    | 4 - 6.5    | 4 - 8.3    | 4 - 10.1   | 4 - 10.1    |
| Sound Power (dB)                | 79         | 79         | 79         | 80         | 80         | 80         | 80          |





## DIMENSIONS

|                               | RGP2460S1A | RGP3060S1A | RGP3690S1A | RGP4290S1A | RGP4890S1A | RGP6090S1A | RGP60110S1A |
|-------------------------------|------------|------------|------------|------------|------------|------------|-------------|
| <b>DIMENSIONS AND WEIGHTS</b> |            |            |            |            |            |            |             |
| Height (in.)                  | 46-13/16   | 46-13/16   | 51-7/16    | 51-7/16    | 46-13/16   | 51-7/16    | 51-7/16     |
| Width (in.)                   | 35-1/16    | 35-1/16    | 46-13/16   | 46-13/16   | 35-1/16    | 46-13/16   | 46-13/16    |
| Length (in.)                  | 50-11/16   | 50-11/16   | 50-9/16    | 50-9/16    | 50-11/16   | 50-9/16    | 50-9/16     |
| Net Weight (lbs.)             | 428        | 437        | 443        | 474        | 536        | 553        | 569         |

## AIR FLOW DATA

| Model Number | Motor Speed     |           | External Static Pressure-Inches W.C.[kPa] |          |          |          |          |          |          |          |          |          |          |
|--------------|-----------------|-----------|-------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|              |                 |           | 0[0]                                      | 0.1[.02] | 0.2[.05] | 0.3[.07] | 0.4[.10] | 0.5[.12] | 0.6[.15] | 0.7[.17] | 0.8[.20] | 0.7[.17] | 0.8[.20] |
| 24           | Low (Tap1)      | CFM       | /                                         | 855      | 792      | 727      | 669      | /        | /        | /        | /        | /        | /        |
|              |                 | Current/A | /                                         | 1.39     | 1.44     | 1.46     | 1.5      | /        | /        | /        | /        | /        | /        |
|              |                 | Power/W   | /                                         | 140      | 146      | 147      | 152      | /        | /        | /        | /        | /        | /        |
|              | Middle-1 (Tap2) | CFM       | /                                         | /        | /        | /        | 827      | 771      | 689      | 621      | 568      | /        | /        |
|              |                 | Current/A | /                                         | /        | /        | /        | 1.94     | 2        | 2.05     | 2.08     | 2.11     | /        | /        |
|              |                 | Power/W   | /                                         | /        | /        | /        | 212      | 221      | 225      | 230      | 234      | /        | /        |
|              | Middle-2 (Tap3) | CFM       | /                                         | /        | /        | /        | /        | /        | /        | 846      | 774      | 710      | 660      |
|              |                 | Current/A | /                                         | /        | /        | /        | /        | /        | /        | 2.72     | 2.73     | 2.82     | 2.86     |
|              |                 | Power/W   | /                                         | /        | /        | /        | /        | /        | /        | 317      | 312      | 330      | 335      |
|              | Middle-3 (Tap4) | CFM       | /                                         | /        | /        | /        | /        | /        | /        | /        | /        | 844      | 797      |
|              |                 | Current/A | /                                         | /        | /        | /        | /        | /        | /        | /        | /        | 3.24     | 3.28     |
|              |                 | Power/W   | /                                         | /        | /        | /        | /        | /        | /        | /        | /        | 385      | 391      |
| 30           | Low (Tap1)      | CFM       | 917                                       | 855      | 792      | /        | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Current/A | 1.37                                      | 1.39     | 1.44     | /        | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Power/W   | 137                                       | 140      | 146      | /        | /        | /        | /        | /        | /        | /        | /        |
|              | Middle-1 (Tap2) | CFM       | 1051                                      | 997      | 940      | 885      | 827      | 771      | /        | /        | /        | /        | /        |
|              |                 | Current/A | 1.78                                      | 1.81     | 1.86     | 1.88     | 1.94     | 2        | /        | /        | /        | /        | /        |
|              |                 | Power/W   | 191                                       | 196      | 201      | 201      | 212      | 221      | /        | /        | /        | /        | /        |
|              | Middle-2 (Tap3) | CFM       | /                                         | /        | /        | 1049     | 995      | 947      | 898      | 846      | 774      | 710      | /        |
|              |                 | Current/A | /                                         | /        | /        | 2.51     | 2.57     | 2.6      | 2.67     | 2.72     | 2.73     | 2.82     | /        |
|              |                 | Power/W   | /                                         | /        | /        | 288      | 297      | 299      | 311      | 317      | 312      | 330      | /        |
|              | Middle-3 (Tap4) | CFM       | /                                         | /        | /        | /        | /        | 1045     | 997      | 951      | 908      | 844      | 797      |
|              |                 | Current/A | /                                         | /        | /        | /        | /        | 3.03     | 3.04     | 3.13     | 3.18     | 3.24     | 3.28     |
|              |                 | Power/W   | /                                         | /        | /        | /        | /        | 359      | 354      | 371      | 378      | 385      | 391      |
| High (Tap5)  | CFM             | /         | /                                         | /        | /        | /        | /        | /        | /        | /        | 1032     | 991      |          |
|              | Current/A       | /         | /                                         | /        | /        | /        | /        | /        | /        | /        | 4.03     | 3.98     |          |
|              | Power/W         | /         | /                                         | /        | /        | /        | /        | /        | /        | /        | 495      | 482      |          |
| 36           | Low (Tap1)      | CFM       | 917                                       | 855      | /        | /        | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Current/A | 1.37                                      | 1.39     | /        | /        | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Power/W   | 137                                       | 140      | /        | /        | /        | /        | /        | /        | /        | /        | /        |
|              | Middle-1 (Tap2) | CFM       | 1051                                      | 997      | 940      | 885      | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Current/A | 1.78                                      | 1.81     | 1.86     | 1.88     | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Power/W   | 191                                       | 196      | 201      | 201      | /        | /        | /        | /        | /        | /        | /        |
|              | Middle-2 (Tap3) | CFM       | 1204                                      | 1153     | 1100     | 1049     | 995      | 947      | 898      | /        | /        | /        | /        |
|              |                 | Current/A | 2.4                                       | 2.45     | 2.44     | 2.51     | 2.57     | 2.6      | 2.67     | /        | /        | /        | /        |
|              |                 | Power/W   | 275                                       | 282      | 276      | 288      | 297      | 299      | 311      | /        | /        | /        | /        |
|              | Middle-3 (Tap4) | CFM       | 1281                                      | 1240     | 1190     | 1142     | 1092     | 1045     | 997      | 951      | 908      | /        | /        |
|              |                 | Current/A | 2.82                                      | 2.84     | 2.85     | 2.96     | 3        | 3.03     | 3.04     | 3.13     | 3.18     | /        | /        |
|              |                 | Power/W   | 331                                       | 333      | 330      | 350      | 357      | 359      | 354      | 371      | 378      | /        | /        |
| High (Tap5)  | CFM             | /         | /                                         | /        | /        | 1280     | 1244     | 1194     | 1140     | 1083     | 1032     | 991      |          |
|              | Current/A       | /         | /                                         | /        | /        | 3.95     | 4.08     | 4.07     | 4        | 4.06     | 4.03     | 3.98     |          |
|              | Power/W         | /         | /                                         | /        | /        | 481      | 507      | 504      | 486      | 502      | 495      | 482      |          |

## AIR FLOW DATA CONT.

| Model Number | Motor Speed     |           | External Static Pressure-Inches W.C.[kPa] |          |          |          |          |          |          |          |          |          |          |
|--------------|-----------------|-----------|-------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|              |                 |           | 0[0]                                      | 0.1[.02] | 0.2[.05] | 0.3[.07] | 0.4[.10] | 0.5[.12] | 0.6[.15] | 0.7[.17] | 0.8[.20] | 0.7[.17] | 0.8[.20] |
| 42           | Middle-1 (Tap2) | CFM       | 1153                                      | 1102     | 1056     | /        | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Current/A | 2.09                                      | 2.13     | 2.18     | /        | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Power/W   | 227                                       | 233      | 239      | /        | /        | /        | /        | /        | /        | /        | /        |
|              | Middle-2 (Tap3) | CFM       | 1426                                      | 1388     | 1343     | 1306     | 1267     | 1229     | 1192     | 1156     | 1093     | /        | /        |
|              |                 | Current/A | 3.49                                      | 3.53     | 3.55     | 3.66     | 3.71     | 3.77     | 3.84     | 3.88     | 3.92     | /        | /        |
|              |                 | Power/W   | 416                                       | 422      | 418      | 438      | 445      | 453      | 463      | 468      | 473      | /        | /        |
|              | Middle-3 (Tap4) | CFM       | /                                         | /        | /        | /        | 1472     | 1428     | 1392     | 1354     | 1309     | /        | /        |
|              |                 | Current/A | /                                         | /        | /        | /        | 5.08     | 5.06     | 5.09     | 5.13     | 5.12     | /        | /        |
|              |                 | Power/W   | /                                         | /        | /        | /        | 634      | 629      | 633      | 639      | 638      | /        | /        |
|              | High (Tap5)     | CFM       | /                                         | /        | /        | /        | /        | 1500     | 1460     | 1398     | 1321     | /        | /        |
|              |                 | Current/A | /                                         | /        | /        | /        | /        | 5.65     | 5.61     | 5.41     | 5.19     | /        | /        |
|              |                 | Power/W   | /                                         | /        | /        | /        | /        | 710      | 700      | 670      | 640      | /        | /        |
| 48           | Middle-1 (Tap2) | CFM       | 1251                                      | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Current/A | 1.67                                      | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Power/W   | 192                                       | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        |
|              | Middle-2 (Tap3) | CFM       | 1547                                      | 1473     | 1424     | 1374     | 1323     | 1267     | 1213     | /        | /        | /        | /        |
|              |                 | Current/A | 2.8                                       | 2.87     | 2.95     | 3.04     | 3.12     | 3.21     | 3.3      | /        | /        | /        | /        |
|              |                 | Power/W   | 340                                       | 350      | 360      | 371      | 382      | 394      | 407      | /        | /        | /        | /        |
|              | Middle-3 (Tap4) | CFM       | 1789                                      | 1741     | 1695     | 1649     | 1605     | 1559     | 1510     | 1460     | 1409     | 1359     | 1313     |
|              |                 | Current/A | 4.11                                      | 4.19     | 4.28     | 4.36     | 4.45     | 4.54     | 4.64     | 4.74     | 4.83     | 4.92     | 5        |
|              |                 | Power/W   | 517                                       | 528      | 540      | 551      | 564      | 576      | 589      | 603      | 615      | 627      | 639      |
|              | High (Tap5)     | CFM       | /                                         | /        | /        | /        | /        | 1755     | 1696     | 1630     | 1563     | 1490     | 1438     |
|              |                 | Current/A | /                                         | /        | /        | /        | /        | 5.79     | 5.76     | 5.73     | 5.71     | 5.68     | 5.66     |
|              |                 | Power/W   | /                                         | /        | /        | /        | /        | 750      | 745      | 741      | 737      | 733      | 730      |
| 60           | Middle-2 (Tap3) | CFM       | 1547                                      | 1473     | /        | /        | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Current/A | 2.8                                       | 2.87     | /        | /        | /        | /        | /        | /        | /        | /        | /        |
|              |                 | Power/W   | 340                                       | 350      | /        | /        | /        | /        | /        | /        | /        | /        | /        |
|              | Middle-3 (Tap4) | CFM       | 1789                                      | 1741     | 1695     | 1649     | 1605     | 1559     | 1510     | 1460     | /        | /        | /        |
|              |                 | Current/A | 4.11                                      | 4.19     | 4.28     | 4.36     | 4.45     | 4.54     | 4.64     | 4.74     | /        | /        | /        |
|              |                 | Power/W   | 517                                       | 528      | 540      | 551      | 564      | 576      | 589      | 603      | /        | /        | /        |
|              | High (Tap5)     | CFM       | 2035                                      | 1976     | 1927     | 1875     | 1815     | 1755     | 1696     | 1630     | 1563     | 1490     | 1438     |
|              |                 | Current/A | 5.66                                      | 5.74     | 5.81     | 5.85     | 5.82     | 5.79     | 5.76     | 5.73     | 5.71     | 5.68     | 5.66     |
|              |                 | Power/W   | 733                                       | 744      | 754      | 758      | 754      | 750      | 745      | 741      | 737      | 733      | 730      |

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."