

## TECHNICAL SPECIFICATIONS

# R6GD Series

### Single Packaged Gas/Electric Units 13/14 SEER, R-410A 2 Ton thru 5 Ton Units

The R6GD Series single packaged gas/electrics are high efficiency self contained cooling units that can be installed on the roof or on a slab. The convertible unit design makes installations simple in all applications. Units are ETL and ETLc listed.



## WARRANTY

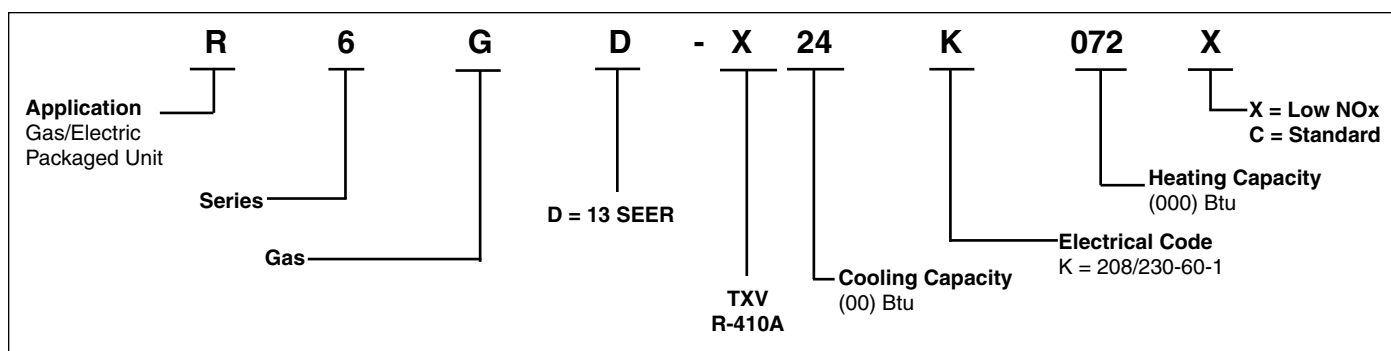
- This product offers a 10 year All Parts Warranty.
- This product offers a 10 year Quality Pledge to replace the entire unit, if the unit's major component (heat exchanger or compressor) fails within the first 10 years of operation, to the original owner.
- Consumer product registration required for both 10 year All Parts Warranty and Quality Pledge within a limited period of time after the installation. See current warranty document or visit our consumer web site listed on the back of this document for warranty details.

## FEATURES and BENEFITS

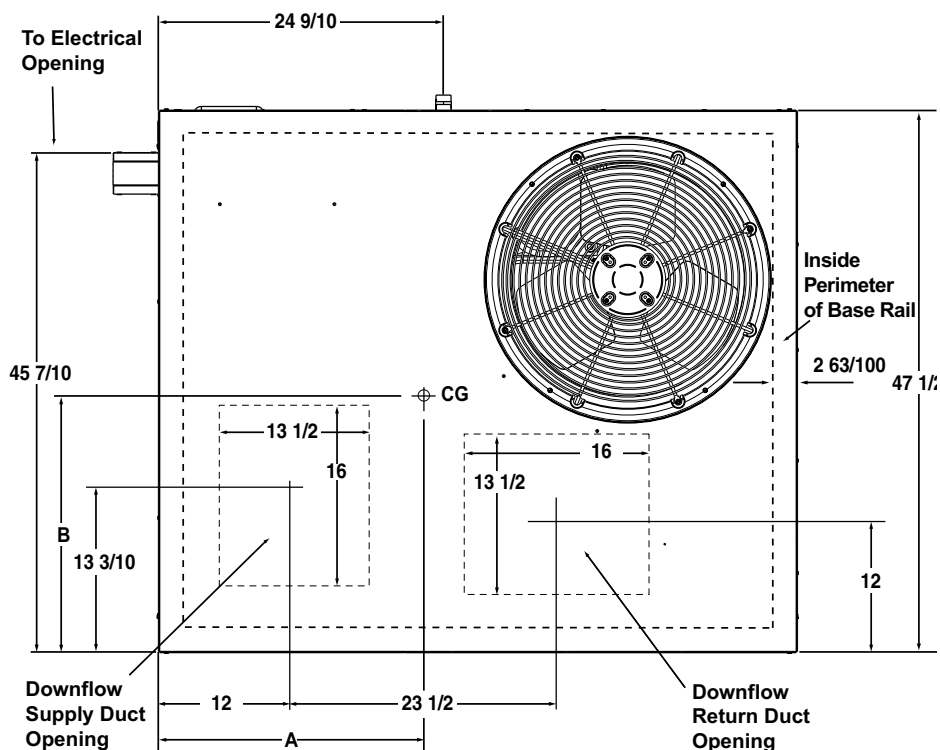
- **Compact Footprint/Low Profile:** Easy to handle and transport.
- **Heavy-Gauge Full Perimeter Base Rails:** Facilitates forklift handling and curb mounting.
- **Convertible Air Delivery:** Horizontal or downflow to accommodate rooftop or horizontal application.
- **Galvanized Steel Cabinet:** Polyurethane finish provides 950 hour salt spray protection to resist corrosion.
- **Wire Guard Coated with Earth Friendly Epoxy and Mesh Hail Guard:** Will never rust and protect the coil from being damaged by balls, lawnmowers, hail etc.
- **Accessible Hi Flow Service Ports:** Quick access to refrigerant system without disrupting operation.
- **Access to Controls and Major Components:** Easy in and out service.
- **R-410A Refrigerant:** Environmentally friendly.
- **Corrosion-Resistant Drain Pan:** Quickly drains away evaporator condensate.
- **Smaller Panels, Great Fit and Finish, Total Seal:** Well-designed, quality construction. Drip edge on top panels whisks away rainwater. Embossed bottom pan keeps blower component compartment dry.
- **Proven, Industry Standard Components:** Easier service and availability.
- **Quiet Operation:** Low vibration. 20" fan blade combined with custom venturi condenser fan.
- **High/Low Pressure Switch:** Added compressor protection.



## MODEL IDENTIFICATION CODE



## DIMENSIONS

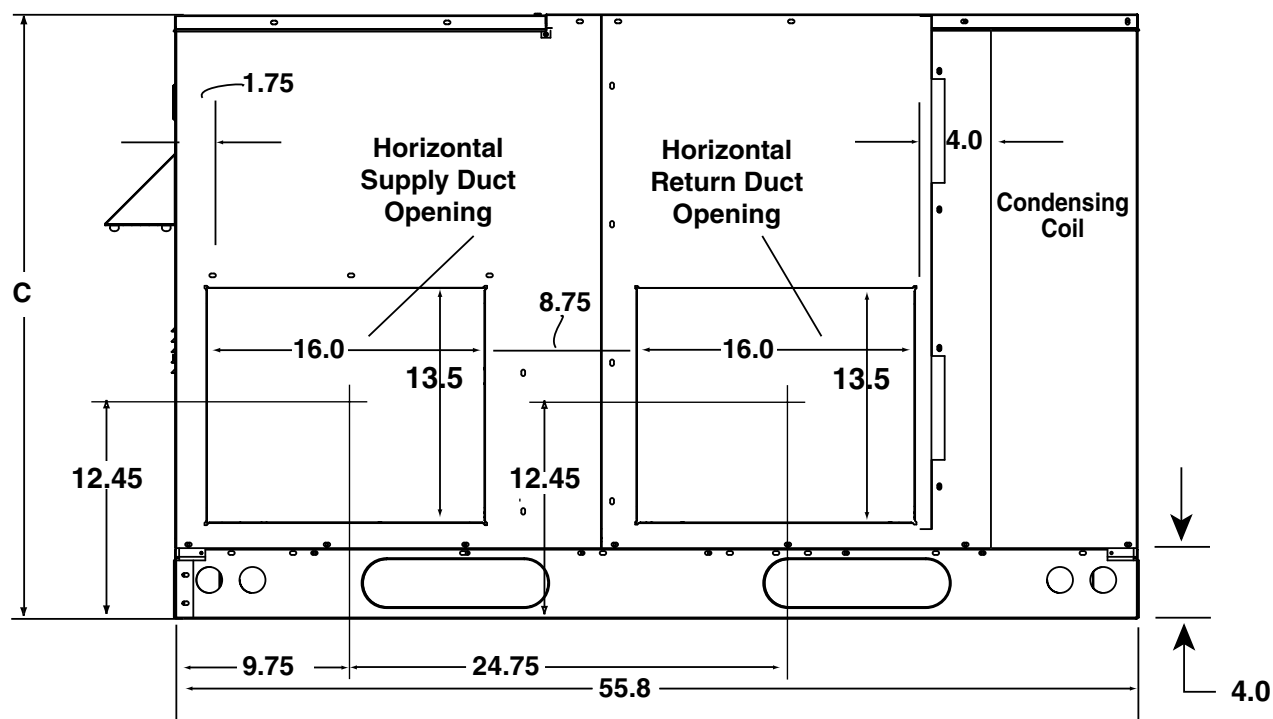
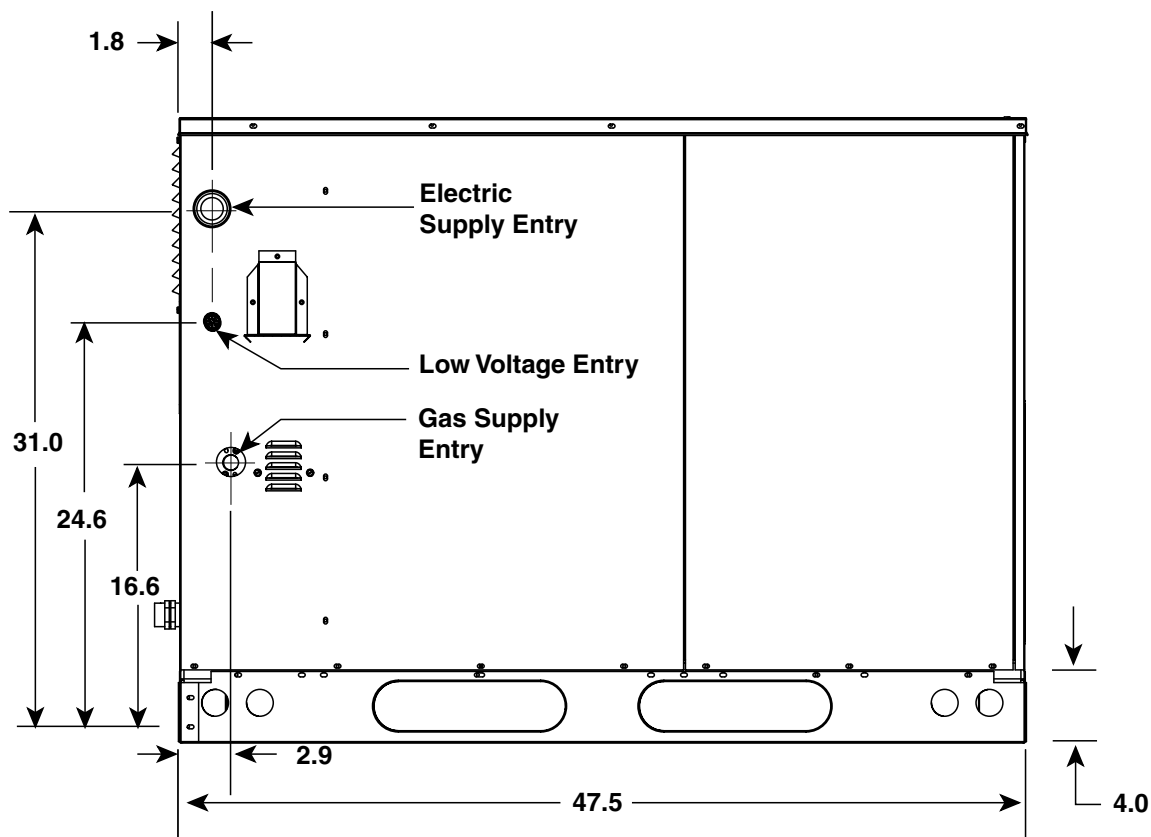


Top View

| Model Number<br>R6GD | Unit Weight | Shipping Weight | Center of Gravity |      | Height (in inches) |                    |
|----------------------|-------------|-----------------|-------------------|------|--------------------|--------------------|
|                      |             |                 | A                 | B    | C                  |                    |
|                      |             |                 |                   |      | with base rails    | without base rails |
| X24K045†             | 425         | 435             | 26.5              | 26.5 | 39.0               | 35.3               |
| X24K072†             | 435         | 445             | 26.0              | 26.5 | 39.0               | 35.3               |
| X30K045†             | 430         | 440             | 26.5              | 26.5 | 39.0               | 35.3               |
| X30K072†             | 440         | 450             | 26.0              | 26.5 | 39.0               | 35.3               |
| X36K072†             | 470         | 480             | 26.5              | 26.5 | 39.0               | 35.3               |
| X36K096†             | 485         | 495             | 26.0              | 26.5 | 39.0               | 35.3               |
| X42K072†             | 500         | 510             | 27.0              | 26.5 | 39.0               | 35.3               |
| X42K096†             | 515         | 525             | 27.0              | 26.5 | 39.0               | 35.3               |
| X48K096†             | 540         | 550             | 27.5              | 26.5 | 43.0               | 39.3               |
| X48K120†             | 555         | 565             | 27.5              | 26.5 | 43.0               | 39.3               |
| X60K096†             | 560         | 570             | 27.5              | 26.5 | 43.0               | 39.3               |
| X60K120†             | 575         | 585             | 27.5              | 26.5 | 43.0               | 39.3               |

† Denotes either "C" or "X"

DIMENSIONS (Continued)



# SPECIFICATIONS AND ELECTRICAL DATA

## SINGLE PHASE

| MODEL R6GD                       | -X24K045(*)  | -X24K072(*)  | -X30K045(*)  | -X30K072(*)  | -X36K072(*)  | -X36K096(*)  | -X42K72(*)   | -X42K96(*)   | -X48K96(*)   | -X48K120(*)  | -X60K096(*)  | -X60K120(*)  |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Performance</b>               |              |              |              |              |              |              |              |              |              |              |              |              |
| Heating Input Btuh               | 45,000       | 72,000       | 45,000       | 72,000       | 72,000       | 96,000       | 72,000       | 96,000       | 96,000       | 120,000      | 96,000       | 120,000      |
| Heating Output Btuh              | 35,100       | 57,600       | 35,100       | 57,600       | 57,600       | 76,800       | 57,600       | 76,800       | 76,800       | 96,000       | 76,800       | 96,000       |
| Capacity-Cooling Btuh            | 24,000       | 24,000       | 28,400       | 28,400       | 36,000       | 36,000       | 42,000       | 42,000       | 47,800       | 47,800       | 56,500       | 56,500       |
| AFUE                             | 78           | 80           | 78           | 80           | 80           | 80           | 80           | 80           | 80           | 80           | 80           | 80           |
| Efficiency -- SEER               | 13.5         | 13.5         | 14.0         | 14.0         | 14.0         | 14.0         | 13.0         | 13.0         | 13.0         | 13.0         | 13.0         | 13.0         |
| Efficiency -- EER                | 12.0         | 12.0         | 12.0         | 12.0         | 12.0         | 12.0         | 10.8         | 10.8         | 11.0         | 11.0         | 11.0         | 11.0         |
| <b>Electrical Rating - 60 Hz</b> |              |              |              |              |              |              |              |              |              |              |              |              |
| Phase                            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            |
| Operating Voltage Range          | 187 - 253    | 187 - 253    | 187 - 253    | 187 - 253    | 187 - 253    | 187 - 253    | 187 - 253    | 187 - 253    | 187 - 253    | 187 - 253    | 187 - 253    | 187 - 253    |
| Minimum Circuit Ampacity         | 22.7         | 22.7         | 26.3         | 26.3         | 29.9         | 29.9         | 36.2         | 36.2         | 39.0         | 39.0         | 46.8         | 46.8         |
| Max. Overcurrent Protection      | 35           | 35           | 40           | 40           | 45           | 45           | 50           | 50           | 60           | 60           | 70           | 70           |
| <b>Compressor Data</b>           |              |              |              |              |              |              |              |              |              |              |              |              |
| Volts                            | 208 / 230    | 208 / 230    | 208 / 230    | 208 / 230    | 208 / 230    | 208 / 230    | 208 / 230    | 208 / 230    | 208 / 230    | 208 / 230    | 208 / 230    | 208 / 230    |
| Rated Load Amps                  | 12.8         | 12.8         | 15.7         | 15.7         | 18.6         | 18.6         | 22.1         | 22.1         | 24.3         | 24.3         | 29.3         | 29.3         |
| Lock Rotor Amps                  | 58.3         | 58.3         | 73           | 73           | 79           | 79           | 109          | 109          | 117          | 117          | 134          | 134          |
| <b>Indoor Blower</b>             |              |              |              |              |              |              |              |              |              |              |              |              |
| Wheel Diameter                   | 10 x 10      | 10 x 10      | 10 x 10      | 10 x 10      | 10 x 10      | 10 x 10      | 10 x 10      | 10 x 10      | 10 x 10      | 10 x 10      | 11 x 10      | 11 x 10      |
| Motor Type                       | Fixed Torque | Fixed Torque | Fixed Torque | Fixed Torque | Fixed Torque | Fixed Torque | Fixed Torque | Fixed Torque | Fixed Torque | Fixed Torque | Fixed Torque | Fixed Torque |
| Motor HP                         | 1/2          | 1/2          | 1/2          | 1/2          | 1/2          | 1/2          | 3/4          | 3/4          | 3/4          | 3/4          | 1            | 1            |
| Motor Amps                       | 4.1          | 4.1          | 4.1          | 4.1          | 4.1          | 4.1          | 6.0          | 6.0          | 6.0          | 6.0          | 7.6          | 7.6          |
| <b>Outdoor Fan</b>               |              |              |              |              |              |              |              |              |              |              |              |              |
| Motor HP                         | 1/4          | 1/4          | 1/4          | 1/4          | 1/4          | 1/4          | 1/4          | 1/4          | 1/4          | 1/4          | 1/4          | 1/4          |
| Motor Amps                       | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          |
| Fan Diameter/CFM                 | 20" / 3800   | 20" / 3800   | 20" / 3800   | 20" / 3800   | 20" / 3800   | 20" / 3800   | 20" / 3800   | 20" / 3800   | 20" / 3800   | 20" / 3800   | 20" / 3800   | 20" / 3800   |
| Refrigerant Charge (oz)          | 99.2         | 99.2         | 96           | 96           | 112          | 112          | 115.2        | 115.2        | 224          | 224          | 184          | 184          |

# AIRFLOW DATA

| Model Number | Heating Input (Btu/h) | Heating Output (Btu/h) | Heating Rise Range (F) | Cooling Output (Btu/h) | Blower Size | Motor HP | Motor Tap | External Static Pressure Drop - inches water column |           |       |           |       |           |       |           |       |           |       |           |       |           |       |           |
|--------------|-----------------------|------------------------|------------------------|------------------------|-------------|----------|-----------|-----------------------------------------------------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|
|              |                       |                        |                        |                        |             |          |           | 0.1                                                 |           | 0.2   |           | 0.3   |           | 0.4   |           | 0.5   |           | 0.6   |           | 0.7   |           | 0.8   |           |
|              |                       |                        |                        |                        |             |          |           | (cfm)                                               | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise |
| R6GD-        |                       |                        |                        |                        |             |          |           | 845                                                 | 38.46     | 735   | 44.22     | 625   | 52.00     | 540   | -         | 453   | -         | 335   | -         | 217   | -         | 207   | -         |
|              |                       |                        |                        |                        |             |          |           | 845                                                 | 38.46     | 735   | 44.22     | 625   | 52.00     | 540   | -         | 453   | -         | 335   | -         | 217   | -         | 207   | -         |
|              |                       |                        |                        |                        |             |          |           | 905                                                 | 35.91     | 830   | 39.16     | 750   | 43.33     | 690   | 47.10     | 635   | 51.18     | 575   | 56.52     | 515   | -         | 495   | -         |
|              |                       |                        |                        |                        |             |          |           | 950                                                 | 34.21     | 880   | 36.93     | 810   | 40.12     | 755   | 43.05     | 705   | 46.10     | 655   | 49.62     | 600   | 54.17     | 570   | 57.02     |
|              |                       |                        |                        |                        |             |          |           | 1110                                                | -         | 1065  | 30.52     | 1020  | 31.86     | 965   | 33.68     | 910   | 35.71     | 865   | 37.57     | 825   | 39.39     | 790   | 41.14     |
| X24C045(†)   | 45,000                | 35,100                 | 30-60                  | 24,000                 | 10 x 10     | 1/2      |           | 845                                                 | 63.12     | 735   | -         | 625   | -         | 540   | -         | 453   | -         | 335   | -         | 217   | -         | 207   | -         |
|              |                       |                        |                        |                        |             |          |           | 845                                                 | 63.12     | 735   | -         | 625   | -         | 540   | -         | 453   | -         | 335   | -         | 217   | -         | 207   | -         |
|              |                       |                        |                        |                        |             |          |           | 950                                                 | 56.14     | 880   | 60.61     | 810   | 65.84     | 755   | -         | 705   | -         | 655   | -         | 600   | -         | 570   | -         |
|              |                       |                        |                        |                        |             |          |           | 1110                                                | 48.05     | 1065  | 50.08     | 1020  | 52.29     | 965   | 55.27     | 910   | 58.61     | 865   | 61.66     | 825   | 64.65     | 790   | 67.51     |
|              |                       |                        |                        |                        |             |          |           | 1260                                                | 42.33     | 1215  | 43.90     | 1175  | 45.39     | 1125  | 47.41     | 1075  | 49.61     | 1030  | 51.78     | 990   | 53.87     | 960   | 55.56     |
| X30C045(†)   | 45,000                | 35,100                 | 30-60                  | 28,400                 | 10 x 10     | 1/2      |           | 978                                                 | 33.23     | 816   | 39.83     | 738   | 44.04     | 668   | 48.65     | 605   | 53.72     | 544   | 59.74     | 459   | -         | 385   | -         |
|              |                       |                        |                        |                        |             |          |           | 1059                                                | 30.69     | 988   | 32.89     | 929   | 34.98     | 846   | 38.42     | 790   | 41.14     | 733   | 44.34     | 665   | 48.87     | 628   | 51.75     |
|              |                       |                        |                        |                        |             |          |           | 1089                                                | -         | 1007  | 32.27     | 918   | 35.40     | 847   | 38.37     | 786   | 41.35     | 737   | 44.10     | 675   | 48.15     | 608   | 53.45     |
|              |                       |                        |                        |                        |             |          |           | 1156                                                | -         | 1089  | -         | 1004  | 32.37     | 919   | 35.36     | 862   | 37.70     | 813   | 39.98     | 750   | 43.33     | 695   | 46.76     |
|              |                       |                        |                        |                        |             |          |           | 1382                                                | -         | 1324  | -         | 1260  | -         | 1192  | -         | 1110  | -         | 1048  | 31.01     | 999   | 32.53     | 954   | 34.07     |
| X30C072(†)   | 72,000                | 57,600                 | 40-70                  | 28,400                 | 10 x 10     | 1/2      |           | 978                                                 | 54.53     | 816   | 65.36     | 738   | -         | 668   | -         | 605   | -         | 544   | -         | 459   | -         | 385   | -         |
|              |                       |                        |                        |                        |             |          |           | 1059                                                | 50.36     | 988   | 53.98     | 929   | 57.41     | 846   | 63.04     | 790   | 67.51     | 733   | -         | 665   | -         | 628   | -         |
|              |                       |                        |                        |                        |             |          |           | 1089                                                | 48.97     | 1007  | 52.96     | 918   | 58.10     | 847   | 62.97     | 786   | 67.85     | 737   | -         | 675   | -         | 608   | -         |
|              |                       |                        |                        |                        |             |          |           | 1156                                                | 46.14     | 1089  | 48.97     | 1004  | 53.12     | 919   | 58.03     | 862   | 61.87     | 813   | 65.60     | 750   | -         | 695   | -         |
|              |                       |                        |                        |                        |             |          |           | 1382                                                | -         | 1324  | 40.28     | 1260  | 42.33     | 1192  | 44.74     | 1110  | 48.05     | 1048  | 50.89     | 999   | 53.39     | 954   | 55.90     |
| X36C072(†)   | 72,000                | 57,600                 | 40-70                  | 36,000                 | 10 x 10     | 1/2      |           | 1124                                                | 47.45     | 1049  | 50.84     | 956   | 55.79     | 883   | 60.40     | 831   | 64.18     | 784   | 68.03     | 714   | -         | 654   | -         |
|              |                       |                        |                        |                        |             |          |           | 1323                                                | 40.31     | 1261  | 42.29     | 1189  | 44.86     | 1117  | 47.75     | 1040  | 51.28     | 980   | 54.42     | 926   | 57.60     | 896   | 59.52     |
|              |                       |                        |                        |                        |             |          |           | 1471                                                | -         | 1413  | -         | 1366  | -         | 1303  | 40.93     | 1253  | 42.56     | 1199  | 44.48     | 1142  | 46.70     | 1090  | 48.93     |
|              |                       |                        |                        |                        |             |          |           | 1461                                                | -         | 1407  | -         | 1334  | -         | 1259  | 42.36     | 1183  | 45.08     | 1112  | 47.96     | 1072  | 49.75     | 1028  | 51.88     |
|              |                       |                        |                        |                        |             |          |           | 1592                                                | -         | 1526  | -         | 1475  | -         | 1403  | -         | 1326  | 40.22     | 1261  | 42.29     | 1200  | 44.44     | 1129  | 47.24     |
| X36C096(†)   | 96,000                | 76,800                 | 45-75                  | 36,000                 | 10 x 10     | 1/2      |           | 1124                                                | 63.27     | 1049  | 67.79     | 956   | 74.38     | 883   | -         | 831   | -         | 784   | -         | 714   | -         | 654   | -         |
|              |                       |                        |                        |                        |             |          |           | 1323                                                | 53.75     | 1261  | 56.39     | 1189  | 59.81     | 1117  | 63.66     | 1040  | 68.38     | 980   | 72.56     | 926   | -         | 896   | -         |
|              |                       |                        |                        |                        |             |          |           | 1471                                                | 48.34     | 1413  | 50.33     | 1366  | 52.06     | 1303  | 54.57     | 1253  | 56.75     | 1199  | 59.31     | 1142  | 62.27     | 1090  | 65.24     |
|              |                       |                        |                        |                        |             |          |           | 1461                                                | 48.67     | 1407  | 50.54     | 1334  | 53.31     | 1259  | 56.48     | 1183  | 60.11     | 1112  | 63.95     | 1072  | 66.33     | 1028  | 69.17     |
|              |                       |                        |                        |                        |             |          |           | 1592                                                | -         | 1526  | 46.60     | 1475  | 48.21     | 1403  | 50.69     | 1326  | 53.63     | 1261  | 56.39     | 1200  | 59.26     | 1129  | 62.99     |

\* Denotes Factory Set Cooling Speed

\*\* Denotes Factory Set Heating Speed

† Can be C or X

# AIRFLOW DATA CONTINUED

| Model Number | Heating Input (Btu/h) | Heating Output (Btu/h) | Heating Rise Range (F) | Cooling Output (Btu/h) | Blower Size | Motor HP | Motor Tap | External Static Pressure Drop - inches water column |           |       |           |       |           |       |           |       |           |       |           |       |           |       |           |
|--------------|-----------------------|------------------------|------------------------|------------------------|-------------|----------|-----------|-----------------------------------------------------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|
|              |                       |                        |                        |                        |             |          |           | 0.1                                                 |           | 0.2   |           | 0.3   |           | 0.4   |           | 0.5   |           | 0.6   |           | 0.7   |           | 0.8   |           |
|              |                       |                        |                        |                        |             |          |           | (cfm)                                               | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise | (cfm) | (°F) Rise |
| R6GD-        |                       |                        |                        |                        |             |          |           | 1020                                                | 52.29     | 940   | 56.74     | 860   | 62.02     | 800   | 66.67     | 740   | -         | 680   | -         | 615   | -         | 570   | -         |
|              |                       |                        |                        |                        |             |          |           | 1185                                                | 45.01     | 1110  | 48.05     | 1035  | 51.53     | 980   | 54.42     | 925   | 57.66     | 875   | 60.95     | 820   | 65.04     | 785   | 67.94     |
|              |                       |                        |                        |                        |             |          |           | 1410                                                | -         | 1330  | 40.10     | 1250  | 42.67     | 1195  | 44.63     | 1140  | 46.78     | 1085  | 49.16     | 1030  | 51.78     | 975   | 54.70     |
|              |                       |                        |                        |                        |             |          |           | 1525                                                | -         | 1450  | -         | 1370  | -         | 1320  | 40.40     | 1270  | 41.99     | 1210  | 44.08     | 1150  | 46.38     | 1100  | 48.48     |
|              |                       |                        |                        |                        |             |          |           | 1650                                                | -         | 1585  | -         | 1520  | -         | 1465  | -         | 1405  | -         | 1340  | -         | 1280  | 41.67     | 1235  | 43.18     |
| X42C072(†)   | 72,000                | 57,600                 | 40-70                  | 42,000                 | 10 x 10     | 3/4      |           | 1020                                                | 69.72     | 940   | -         | 860   | -         | 800   | -         | 740   | -         | 680   | -         | 615   | -         | 570   | -         |
|              |                       |                        |                        |                        |             |          |           | 1185                                                | 60.01     | 1110  | 64.06     | 1035  | 68.71     | 980   | 72.56     | 925   | -         | 875   | -         | 820   | -         | 785   | -         |
|              |                       |                        |                        |                        |             |          |           | 1410                                                | 50.43     | 1330  | 53.47     | 1250  | 56.89     | 1195  | 59.51     | 1140  | 62.38     | 1085  | 65.54     | 1030  | 69.04     | 975   | 72.93     |
|              |                       |                        |                        |                        |             |          |           | 1525                                                | 46.63     | 1450  | 49.04     | 1370  | 51.91     | 1320  | 53.87     | 1270  | 55.99     | 1210  | 58.77     | 1150  | 61.84     | 1100  | 64.65     |
|              |                       |                        |                        |                        |             |          |           | 1650                                                | -         | 1585  | -         | 1520  | 46.78     | 1465  | 48.54     | 1405  | 50.61     | 1340  | 53.07     | 1280  | 55.56     | 1235  | 57.58     |
| X48C096(†)   | 96,000                | 76,800                 | 45-75                  | 47,800                 | 10 x 10     | 3/4      |           | 1185                                                | 60.01     | 1110  | 64.06     | 1035  | 68.71     | 980   | 72.56     | 925   | -         | 875   | -         | 820   | -         | 785   | -         |
|              |                       |                        |                        |                        |             |          |           | 1410                                                | 50.43     | 1330  | 53.47     | 1250  | 56.89     | 1195  | 59.51     | 1140  | 62.38     | 1085  | 65.54     | 1030  | 69.04     | 975   | 72.93     |
|              |                       |                        |                        |                        |             |          |           | 1525                                                | 46.63     | 1450  | 49.04     | 1370  | 51.91     | 1320  | 53.87     | 1270  | 55.99     | 1210  | 58.77     | 1150  | 61.84     | 1100  | 64.65     |
|              |                       |                        |                        |                        |             |          |           | 1650                                                | -         | 1585  | -         | 1520  | 46.78     | 1465  | 48.54     | 1405  | 50.61     | 1340  | 53.07     | 1280  | 55.56     | 1235  | 57.58     |
|              |                       |                        |                        |                        |             |          |           | 1775                                                | -         | 1715  | -         | 1650  | -         | 1600  | -         | 1540  | 46.18     | 1460  | 48.71     | 1375  | 51.72     | 1330  | 53.47     |
| X48C120(†)   | 120,000               | 96,000                 | 45-75                  | 47,800                 | 10 x 10     | 3/4      |           | 1185                                                | 75.00     | 1110  | -         | 1035  | -         | 980   | -         | 925   | -         | 875   | -         | 820   | -         | 785   | -         |
|              |                       |                        |                        |                        |             |          |           | 1410                                                | 63.04     | 1330  | 66.83     | 1250  | 71.11     | 1195  | 74.38     | 1140  | -         | 1085  | -         | 1030  | -         | 975   | -         |
|              |                       |                        |                        |                        |             |          |           | 1525                                                | 58.29     | 1450  | 61.30     | 1370  | 64.88     | 1320  | 67.34     | 1270  | 69.99     | 1210  | 73.46     | 1150  | -         | 1100  | -         |
|              |                       |                        |                        |                        |             |          |           | 1650                                                | 53.87     | 1585  | 56.08     | 1520  | 58.48     | 1465  | 60.68     | 1405  | 63.27     | 1340  | 66.33     | 1280  | 69.44     | 1235  | 71.97     |
|              |                       |                        |                        |                        |             |          |           | 1775                                                | 50.08     | 1715  | 51.83     | 1650  | 53.87     | 1600  | 55.56     | 1540  | 57.72     | 1460  | 60.88     | 1375  | 64.65     | 1330  | 66.83     |
| X60C096(†)   | 96,000                | 76,800                 | 45-75                  | 56,500                 | 11 x 10     | 1        |           | 1259                                                | 56.48     | 1187  | 59.91     | 1130  | 62.93     | 1069  | 66.52     | 1015  | 70.06     | 955   | 74.46     | 923   | -         | 869   | -         |
|              |                       |                        |                        |                        |             |          |           | 1583                                                | -         | 1521  | 46.75     | 1467  | 48.47     | 1416  | 50.22     | 1360  | 52.29     | 1306  | 54.45     | 1265  | 56.21     | 1212  | 58.67     |
|              |                       |                        |                        |                        |             |          |           | 1827                                                | -         | 1771  | -         | 1703  | -         | 1656  | -         | 1565  | 45.44     | 1461  | 48.67     | 1363  | 52.17     | 1237  | 57.49     |
|              |                       |                        |                        |                        |             |          |           | 2009                                                | -         | 1931  | -         | 1834  | -         | 1761  | -         | 1639  | -         | 1525  | 46.63     | 1441  | 49.35     | 1293  | 55.00     |
|              |                       |                        |                        |                        |             |          |           | 2076                                                | -         | 1967  | -         | 1870  | -         | 1758  | -         | 1662  | -         | 1556  | 45.70     | 1450  | 49.04     | 1331  | 53.43     |
| X60C120(†)   | 120,000               | 96,000                 | 45-75                  | 56,500                 | 11 x 10     | 1        |           | 1259                                                | 70.60     | 1187  | 74.89     | 1130  | -         | 1069  | -         | 1015  | -         | 955   | -         | 923   | -         | 869   | -         |
|              |                       |                        |                        |                        |             |          |           | 1583                                                | 56.15     | 1521  | 58.44     | 1467  | 60.59     | 1416  | 62.77     | 1360  | 65.36     | 1306  | 68.06     | 1265  | 70.27     | 1212  | 73.34     |
|              |                       |                        |                        |                        |             |          |           | 1827                                                | 48.65     | 1771  | 50.19     | 1703  | 52.20     | 1656  | 53.68     | 1565  | 56.80     | 1461  | 60.84     | 1363  | 65.22     | 1237  | 71.86     |
|              |                       |                        |                        |                        |             |          |           | 2009                                                | -         | 1931  | 46.03     | 1834  | 48.47     | 1761  | 50.48     | 1639  | 54.23     | 1525  | 58.29     | 1441  | 61.69     | 1293  | 68.75     |
|              |                       |                        |                        |                        |             |          |           | 2076                                                | -         | 1967  | 45.19     | 1870  | 47.53     | 1758  | 50.56     | 1662  | 53.48     | 1556  | 57.13     | 1450  | 61.30     | 1331  | 66.78     |

\* Denotes Factory Set Cooling Speed

\*\* Denotes Factory Set Heating Speed

† Can be C or X

## EXPANDED RATINGS

### R6GD-X24

| O.D.T |        |        | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 725   | 80     | 62     | 24.7 | 20.5 | 1.66 | 22.7 | 20.3 | 1.89 | 20.7  | 20.2 | 2.17 | 18.7  | 18.5 | 2.53 |
|       | 80     | 67     | 26.7 | 16.4 | 1.69 | 24.4 | 15.6 | 1.92 | 22.1  | 15.1 | 2.19 | 19.5  | 14.3 | 2.55 |
|       | 80     | 72     | 24.7 | 20.5 | 1.66 | 22.7 | 19.7 | 1.89 | 20.7  | 18.7 | 2.17 | 18.7  | 16.8 | 2.53 |
|       | 75     | 63     | 24.9 | 16.1 | 1.67 | 22.8 | 16.1 | 1.89 | 20.5  | 15.6 | 2.17 | 18.1  | 14.9 | 2.52 |
| 800   | 80     | 62     | 25.2 | 21.7 | 1.67 | 23.2 | 22.0 | 1.89 | 21.3  | 20.8 | 2.18 | 19.2  | 19.2 | 2.55 |
|       | 80     | 67     | 27.1 | 17.2 | 1.70 | 24.8 | 16.8 | 1.92 | 22.4  | 16.0 | 2.20 | 19.7  | 15.2 | 2.57 |
|       | 80     | 72     | 25.2 | 21.7 | 1.67 | 23.2 | 20.8 | 1.89 | 21.3  | 19.2 | 2.18 | 19.2  | 17.3 | 2.55 |
|       | 75     | 63     | 25.3 | 17.6 | 1.67 | 23.2 | 17.4 | 1.89 | 20.8  | 16.7 | 2.17 | 18.3  | 15.9 | 2.53 |
| 875   | 80     | 62     | 25.7 | 23.6 | 1.68 | 23.9 | 22.7 | 1.90 | 21.9  | 21.9 | 2.19 | 19.6  | 19.6 | 2.56 |
|       | 80     | 67     | 27.5 | 18.4 | 1.70 | 25.2 | 17.7 | 1.93 | 22.7  | 16.9 | 2.21 | 20.0  | 16.1 | 2.57 |
|       | 80     | 72     | 25.7 | 22.9 | 1.68 | 23.9 | 21.5 | 1.90 | 21.9  | 19.7 | 2.19 | 19.6  | 17.7 | 2.56 |
|       | 75     | 63     | 25.7 | 19.5 | 1.68 | 23.5 | 18.8 | 1.90 | 21.1  | 18.0 | 2.17 | 18.6  | 17.0 | 2.53 |

### R6GD-X30

| O.D.T |        |        | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 850   | 80     | 62     | 27.6 | 23.5 | 2.09 | 26.4 | 23.7 | 2.32 | 25.2  | 24.4 | 2.57 | 24.0  | 23.8 | 2.87 |
|       | 80     | 67     | 29.8 | 18.8 | 2.11 | 28.5 | 18.5 | 2.34 | 27.1  | 18.1 | 2.59 | 25.6  | 17.6 | 2.88 |
|       | 80     | 72     | 32.6 | 14.2 | 2.14 | 31.1 | 13.8 | 2.36 | 29.6  | 13.4 | 2.61 | 27.9  | 13.0 | 2.90 |
|       | 75     | 63     | 32.6 | 14.5 | 2.14 | 31.1 | 14.8 | 2.36 | 29.6  | 14.8 | 2.61 | 27.9  | 14.7 | 2.90 |
| 950   | 80     | 62     | 28.3 | 25.1 | 2.10 | 27.2 | 25.8 | 2.32 | 26.0  | 25.4 | 2.58 | 24.8  | 24.8 | 2.87 |
|       | 80     | 67     | 30.4 | 20.2 | 2.12 | 29.0 | 19.8 | 2.34 | 27.5  | 19.3 | 2.59 | 26.0  | 18.8 | 2.88 |
|       | 80     | 72     | 33.1 | 14.9 | 2.15 | 31.6 | 14.5 | 2.37 | 30.0  | 14.1 | 2.61 | 28.3  | 13.7 | 2.90 |
|       | 75     | 63     | 33.1 | 16.2 | 2.15 | 31.6 | 16.2 | 2.37 | 30.0  | 16.1 | 2.61 | 28.3  | 15.8 | 2.90 |
| 1050  | 80     | 62     | 29.5 | 27.3 | 2.11 | 28.4 | 27.0 | 2.34 | 27.2  | 27.2 | 2.59 | 25.9  | 25.9 | 2.88 |
|       | 80     | 67     | 31.2 | 21.8 | 2.13 | 29.8 | 21.4 | 2.35 | 28.3  | 20.9 | 2.60 | 26.7  | 20.4 | 2.89 |
|       | 80     | 72     | 33.9 | 16.0 | 2.15 | 32.3 | 15.6 | 2.37 | 30.7  | 15.2 | 2.63 | 28.9  | 14.8 | 2.90 |
|       | 75     | 63     | 33.9 | 18.3 | 2.15 | 32.3 | 18.1 | 2.37 | 30.7  | 17.7 | 2.63 | 28.9  | 17.3 | 2.90 |



## EXPANDED RATINGS Continued

### R6GD-X36

| O.D.T |        |        | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 1300  | 80     | 62     | 36.4 | 32.8 | 2.69 | 34.9 | 32.3 | 2.95 | 33.3  | 32.4 | 3.25 | 31.5  | 31.2 | 3.58 |
|       | 80     | 67     | 38.6 | 27.0 | 2.71 | 36.6 | 26.4 | 2.97 | 34.6  | 25.7 | 3.26 | 32.5  | 25.1 | 3.59 |
|       | 80     | 72     | 41.8 | 19.8 | 2.76 | 39.7 | 19.2 | 3.01 | 37.5  | 18.7 | 3.30 | 35.2  | 18.1 | 3.62 |
|       | 75     | 63     | 35.9 | 26.3 | 2.68 | 34.1 | 26.5 | 2.94 | 32.2  | 26.3 | 3.23 | 30.2  | 25.9 | 3.57 |
| 1400  | 80     | 62     | 37.1 | 33.4 | 2.72 | 35.5 | 33.8 | 2.99 | 33.9  | 33.0 | 3.28 | 32.1  | 32.1 | 3.62 |
|       | 80     | 67     | 38.9 | 28.2 | 2.74 | 36.9 | 27.6 | 3.00 | 34.9  | 26.9 | 3.29 | 32.8  | 26.3 | 3.63 |
|       | 80     | 72     | 42.0 | 20.5 | 2.79 | 39.9 | 20.0 | 3.04 | 37.7  | 19.4 | 3.33 | 35.4  | 18.9 | 3.66 |
|       | 75     | 63     | 36.2 | 28.4 | 2.71 | 34.4 | 28.3 | 2.98 | 32.5  | 27.9 | 3.26 | 30.5  | 27.3 | 3.60 |
| 1500  | 80     | 62     | 37.8 | 34.9 | 2.76 | 36.1 | 34.3 | 3.02 | 34.4  | 34.4 | 3.31 | 32.6  | 32.6 | 3.65 |
|       | 80     | 67     | 39.2 | 29.4 | 2.77 | 37.2 | 28.8 | 3.04 | 35.1  | 28.1 | 3.32 | 33.0  | 27.4 | 3.66 |
|       | 80     | 72     | 42.3 | 21.3 | 2.82 | 40.1 | 20.7 | 3.07 | 37.9  | 20.3 | 3.37 | 35.6  | 19.7 | 3.69 |
|       | 75     | 63     | 36.5 | 30.7 | 2.75 | 34.7 | 30.2 | 3.01 | 32.7  | 29.5 | 3.29 | 30.7  | 28.8 | 3.63 |

### R6GD-X42

| O.D.T |        |        | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 1400  | 80     | 62     | 42.1 | 37.5 | 3.57 | 40.3 | 37.3 | 3.95 | 38.5  | 37.5 | 4.37 | 36.5  | 36.2 | 4.82 |
|       | 80     | 67     | 45.3 | 30.2 | 3.61 | 43.0 | 29.5 | 3.98 | 40.7  | 28.7 | 4.40 | 38.3  | 28.0 | 4.86 |
|       | 80     | 72     | 49.3 | 22.5 | 3.66 | 46.7 | 21.8 | 4.02 | 44.2  | 21.1 | 4.43 | 41.5  | 20.5 | 4.90 |
|       | 75     | 63     | 42.2 | 29.6 | 3.57 | 40.1 | 29.7 | 3.95 | 37.9  | 29.5 | 4.36 | 35.6  | 29.1 | 4.81 |
| 1500  | 80     | 62     | 43.0 | 38.7 | 3.58 | 41.2 | 39.1 | 3.96 | 39.3  | 38.3 | 4.38 | 37.3  | 37.3 | 4.84 |
|       | 80     | 67     | 45.7 | 31.5 | 3.62 | 43.4 | 30.8 | 3.98 | 41.1  | 30.0 | 4.40 | 38.7  | 29.2 | 4.86 |
|       | 80     | 72     | 49.7 | 23.3 | 3.66 | 47.2 | 22.6 | 4.03 | 44.5  | 21.9 | 4.44 | 41.7  | 21.3 | 4.90 |
|       | 75     | 63     | 42.7 | 32.0 | 3.58 | 40.5 | 31.7 | 3.95 | 38.3  | 31.3 | 4.37 | 36.0  | 30.6 | 4.82 |
| 1600  | 80     | 62     | 43.8 | 40.5 | 3.59 | 41.9 | 39.8 | 3.97 | 40.0  | 40.0 | 4.39 | 37.9  | 37.9 | 4.85 |
|       | 80     | 67     | 46.2 | 32.8 | 3.62 | 43.9 | 32.0 | 3.99 | 41.5  | 31.2 | 4.41 | 39.0  | 30.4 | 4.87 |
|       | 80     | 72     | 50.1 | 24.1 | 3.67 | 47.5 | 23.4 | 4.03 | 44.8  | 22.7 | 4.44 | 42.1  | 22.0 | 4.91 |
|       | 75     | 63     | 43.1 | 34.5 | 3.59 | 40.9 | 33.9 | 3.95 | 38.7  | 33.2 | 4.37 | 36.3  | 32.3 | 4.82 |

## EXPANDED RATINGS Continued

### R6GD-X48

| O.D.T |        |        | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 1650  | 80     | 62     | 46.9 | 41.9 | 3.88 | 45.0 | 41.6 | 4.29 | 43.0  | 41.9 | 4.73 | 40.9  | 40.5 | 5.21 |
|       | 80     | 67     | 50.2 | 33.9 | 3.92 | 47.7 | 33.0 | 4.32 | 45.1  | 32.2 | 4.76 | 42.6  | 31.3 | 5.25 |
|       | 80     | 72     | 50.2 | 33.9 | 3.92 | 47.7 | 33.0 | 4.32 | 45.1  | 32.2 | 4.76 | 42.6  | 31.3 | 5.25 |
|       | 75     | 63     | 46.8 | 33.1 | 3.88 | 44.4 | 33.2 | 4.28 | 42.1  | 33.0 | 4.72 | 39.6  | 32.5 | 5.19 |
| 1800  | 80     | 62     | 48.0 | 43.2 | 3.95 | 45.9 | 43.6 | 4.36 | 43.8  | 42.7 | 4.80 | 41.6  | 41.6 | 5.29 |
|       | 80     | 67     | 50.6 | 35.5 | 3.98 | 48.1 | 34.6 | 4.39 | 45.5  | 33.8 | 4.83 | 42.9  | 32.9 | 5.32 |
|       | 80     | 72     | 50.6 | 35.5 | 3.98 | 48.1 | 34.6 | 4.39 | 45.5  | 33.8 | 4.83 | 42.9  | 32.9 | 5.32 |
|       | 75     | 63     | 47.2 | 35.9 | 3.95 | 44.8 | 35.7 | 4.35 | 42.4  | 35.1 | 4.78 | 40.0  | 34.4 | 5.26 |
| 1950  | 80     | 62     | 48.9 | 45.2 | 4.02 | 46.7 | 44.4 | 4.43 | 44.7  | 44.6 | 4.88 | 42.4  | 42.4 | 5.37 |
|       | 80     | 67     | 51.0 | 37.1 | 4.04 | 48.5 | 36.2 | 4.45 | 45.9  | 35.3 | 4.89 | 43.2  | 34.4 | 5.38 |
|       | 80     | 72     | 51.0 | 37.1 | 4.04 | 48.5 | 36.2 | 4.45 | 45.9  | 35.3 | 4.89 | 43.2  | 34.4 | 5.38 |
|       | 75     | 63     | 47.6 | 38.9 | 4.01 | 45.2 | 38.2 | 4.41 | 42.7  | 37.3 | 4.85 | 40.3  | 36.4 | 5.33 |

### R6GD-X60

| O.D.T |        |        | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 1500  | 80     | 62     | 54.4 | 43.1 | 4.61 | 52.0 | 43.4 | 5.09 | 49.6  | 44.8 | 5.61 | 47.0  | 44.2 | 6.20 |
|       | 80     | 67     | 58.7 | 35.1 | 4.70 | 56.1 | 34.2 | 5.17 | 53.3  | 33.2 | 5.69 | 50.5  | 32.2 | 6.28 |
|       | 80     | 72     | 64.4 | 27.0 | 4.82 | 61.6 | 26.1 | 5.29 | 58.5  | 25.3 | 5.82 | 55.4  | 24.4 | 6.39 |
|       | 75     | 63     | 54.7 | 34.7 | 4.62 | 52.3 | 34.9 | 5.09 | 49.7  | 34.6 | 5.61 | 47.0  | 34.1 | 6.20 |
| 1650  | 80     | 62     | 55.6 | 45.6 | 4.64 | 53.1 | 47.2 | 5.11 | 50.6  | 47.3 | 5.63 | 48.0  | 47.1 | 6.22 |
|       | 80     | 67     | 59.8 | 36.9 | 4.72 | 57.1 | 36.0 | 5.19 | 54.3  | 35.0 | 5.71 | 51.4  | 34.3 | 6.30 |
|       | 80     | 72     | 65.5 | 28.1 | 4.84 | 62.5 | 27.3 | 5.31 | 59.4  | 26.5 | 5.84 | 56.1  | 25.6 | 6.41 |
|       | 75     | 63     | 55.8 | 37.9 | 4.64 | 53.3 | 37.6 | 5.11 | 50.7  | 37.1 | 5.63 | 47.9  | 36.6 | 6.22 |
| 1800  | 80     | 62     | 56.6 | 49.4 | 4.66 | 54.1 | 49.6 | 5.13 | 51.6  | 50.9 | 5.65 | 49.2  | 49.1 | 6.25 |
|       | 80     | 67     | 60.7 | 38.6 | 4.74 | 58.0 | 38.0 | 5.21 | 55.1  | 37.0 | 5.73 | 52.1  | 36.0 | 6.31 |
|       | 80     | 72     | 66.3 | 29.3 | 4.86 | 63.2 | 28.5 | 5.32 | 60.0  | 27.6 | 5.85 | 56.5  | 26.7 | 6.42 |
|       | 75     | 63     | 56.7 | 41.3 | 4.66 | 54.2 | 40.9 | 5.13 | 51.5  | 39.9 | 5.65 | 48.6  | 38.9 | 6.23 |

## R6GD ACCESSORIES

| Description                                                            | Part Number |
|------------------------------------------------------------------------|-------------|
| Roof Curb (8")                                                         | 547830      |
| Roof Curb (14")                                                        | 547831      |
| Roof Curb (18")                                                        | 547850      |
| Roof Curb (24")                                                        | 547851      |
| Cap, Duct Adapter, 12" Round                                           | 913811A     |
| Cap, Duct Adapter, 14" Round                                           | 913812A     |
| Supply/return transition, 16"                                          | 547834      |
| Supply/return transition, 18"                                          | 547835      |
| Concentric diffuser, flush, 16"                                        | 547836      |
| Concentric diffuser, flush, 18"                                        | 547837      |
| Concentric diffuser, step down 16"                                     | 547838      |
| Concentric diffuser, step down 18"                                     | 547839      |
| Manual Fresh Air Damper                                                | 547832      |
| Motorized Fresh Air Damper                                             | 547840      |
| Economizer, downflow w/filter (does not require filter kit) modulating | 558870      |
| Economizer, horizontal modulating                                      | 547841      |
| Power Exhaust, horizontal economizer (special order)                   | 547843      |
| Power Exhaust, downflow economizer (special order)                     | 547842      |
| Filter Kit R6GD 024 - 042                                              | 547888      |
| Filter Kit R6GD 048 - 060                                              | 547889      |
| Filter Kit, All Downflow Applications (not required with economizer)   | 547885      |
| Hood Type Hail Guard, Coil Dim. 34" X 76"<br>R6GD-024,030,036,042      | 547846      |
| Hood Type Hail Guard, Coil Dim. 38" X 76"<br>R6GD-048,060              | 547847      |
| DUCT SMOKE DETECTOR PHOTO ELEC                                         | 558863      |
| MULTI SIGNAL CONTROL                                                   | 547893      |
| SAMPLING TUBE DST3, 2-4ft                                              | 558864      |
| SAMPLING TUBE DST5, 4-8ft                                              | 558865      |
| Low Ambient Kit                                                        | 918837      |
| Canadian LP Gas Conversion Kit (0 to 4,500 ft above sea level)         | 904091A     |
| U.S. LP Gas Conversion Kit (0 ft to 10,000 ft above sea level)         | 904090A     |
| Outdoor Thermostat Kit                                                 | 913852      |
| Universal Hard Start Kit                                               | 912933      |
| Skirt Trim Kit                                                         | 919729      |
| Extreme High Wind Kit - Roof Curb Mount                                | 903696      |
| Extreme High Wind Kit - Ground Mount                                   | 903695      |
| Freezestat Kit                                                         | 917108      |
| Control, CO2 Sensor, Wall Mount                                        | 920317      |
| Control, CO2 sensor, Duct Mount                                        | 920318      |



#### GENERAL TERMS OF LIMITED WARRANTY

NORDYNE will furnish a replacement for any part of this product which fails in normal use and service within the first ten years of installation, in accordance with the terms of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the NORDYNE warranty department for a copy.

**NORDYNE**  
COMPLETE COMFORT. GENUINE VALUE.

8000 Phoenix Parkway | O'Fallon, MO 63368-3827

Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A (6/2012)

222D-0612 (Replaces 222D-1209)