



SPECIFICATIONS

Installation Features

- Left or right utility connections
- Removable floor base (upflow / horizontal units) for bottom return air
- Zero step horizontal conversion

Configurations

- Upflow / Horizontal
- Downflow

Heat Exchanger Design

- Aluminized steel tapered crimped non-welded clam shell heat exchanger design

Burners

- Aluminized steel inshot burners for smooth ignition

Cabinet Design

- Compact 33" height
- Standardized widths for easy coil fit

Air Delivery System

- Multi-speed high efficiency (constant torque) blower motor
- Easily removable slide out blower design
- Enhanced cooling SEER ratings when applied with properly matched cooling equipment

Controls

- Single stage gas valve
- Durable silicon nitride ignitor
- Self diagnostics saving last 10 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals

Venting

- Rotatable draft inducer for venting flexibility

SINGLE STAGE CONSTANT TORQUE GAS FURNACE

80% AFUE



California Only

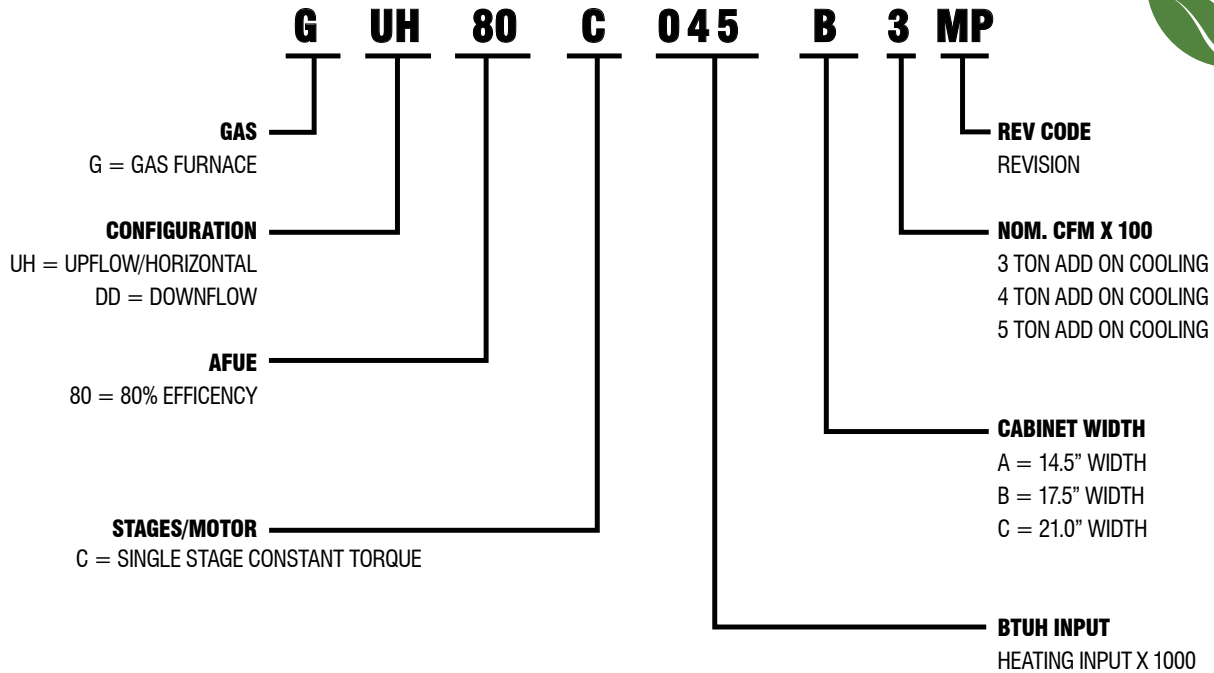
This furnace does not meet the South Coast Air Quality Management District (SCAQMD) Rule 1111 and San Joaquin Valley Air Pollution Control District (SJVAPCD) Rule 4905 NOx emission limit (14 ng/J) and cannot be installed within the SCAQMD or SJVAPCD and Bay Area.

Comfort-Aire®

Warranty—20 years on heat exchanger, 6 years on parts
(Some limitations apply; see printed warranty for details.)

www.comfort-aire.com

MODEL NUMBER GUIDE



PHYSICAL AND ELECTRICAL DATA

| | Model | Input (Btuh) | Output (Btuh) | AFUE (ICS) | Nom. Cooling Capacity | Gas Inlet (in.) | Volts/Hz/Phase | Max. Time Delay Breaker or Fuse | Nominal F.L.A. | Trans. (V.A.) | Approx. Shipping Weight (lbs.) |
|---------------------|---------------|--------------|---------------|------------|-----------------------|-----------------|----------------|---------------------------------|----------------|---------------|--------------------------------|
| UPFLOW / HORIZONTAL | GUH80C045A3MP | 44,000 | 36,000 | 80.0% | 1-1/2 — 3 | 1/2 | 120-60-1 | 15 | 6.8 | 40 | 111 |
| | GUH80C070A3MP | 66,000 | 53,000 | 80.0% | 1-1/2 — 3 | 1/2 | 120-60-1 | 15 | 6.8 | 40 | 111 |
| | GUH80C070B3MP | 66,000 | 53,000 | 80.0% | 1-1/2 — 3 | 1/2 | 120-60-1 | 15 | 6.8 | 40 | 127 |
| | GUH80C090B4MP | 88,000 | 72,000 | 80.0% | 2-1/2 — 4 | 1/2 | 120-60-1 | 15 | 8.4 | 40 | 142 |
| | GUH80C090C5MP | 88,000 | 72,000 | 80.0% | 3 — 5 | 1/2 | 120-60-1 | 15 | 10.9 | 40 | 152 |
| | GUH80C110C5MP | 110,000 | 90,000 | 80.0% | 4 — 5 | 1/2 | 120-60-1 | 15 | 10.9 | 40 | 160 |
| | GUH80C135D5MP | 132,000 | 107,000 | 80.0% | 4 — 5 | 1/2 | 120-60-1 | 15 | 10.9 | 40 | 178 |
| DOWNFLOW | GDD80C045A3MP | 44,000 | 36,000 | 80.0% | 2 — 3 | 1/2 | 120-60-1 | 15 | 6.8 | 40 | 113 |
| | GDD80C070B3MP | 66,000 | 54,000 | 80.0% | 2 — 3 | 1/2 | 120-60-1 | 15 | 6.8 | 40 | 128 |
| | GDD80C090B4MP | 88,000 | 72,000 | 80.0% | 3 — 4 | 1/2 | 120-60-1 | 15 | 8.4 | 40 | 140 |
| | GDD80C110C5MP | 110,000 | 90,000 | 80.0% | 4 — 5 | 1/2 | 120-60-1 | 15 | 10.9 | 40 | 160 |

Note: For vent sizing and clearances to combustibles, please reference installation instructions.

Comfort-Cire®

BLOWER PERFORMANCE DATA

| | Model | Motor Size (hp) | Blower Size | Temp Rise (°F) | Blower Speed | CFM @ External Static Pressure - " w.c. | | | | | | | | | | |
|---------------------|---------------|-----------------|-------------|----------------|--------------|---|------|------|------|------|------|------|------|------|------|-----|
| | | | | | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | |
| UPFLOW / HORIZONTAL | GUH80C045A3MP | 1/2 | 10 x 8 | 15 - 45 | High | 1383 | 1346 | 1308 | 1268 | 1257 | 1211 | 1185 | 1140 | 1115 | 1074 | |
| | | | | | Med/High | 1179 | 1132 | 1083 | 1057 | 1013 | 985 | 937 | 902 | 866 | 823 | |
| | | | | | Med | 991 | 943 | 896 | 864 | 818 | 775 | 728 | 688 | 641 | 598 | |
| | | | | | Med/Low | 970 | 854 | 797 | 748 | 697 | 651 | 605 | 554 | 512 | 446 | |
| | GUH80C070A3MP | 1/2 | 10 x 10 | 40 - 70 | High | 1372 | 1340 | 1309 | 1281 | 1253 | 1225 | 1196 | 1158 | 1122 | 1090 | |
| | | | | | Med/High | 1160 | 1125 | 1092 | 1059 | 1026 | 992 | 958 | 924 | 890 | 849 | |
| | | | | | Med | 1073 | 1035 | 999 | 964 | 927 | 891 | 854 | 817 | 781 | 746 | |
| | | | | | Med/Low | 1040 | 1002 | 965 | 929 | 891 | 855 | 818 | 780 | 742 | 707 | |
| | GUH80C070B3MP | 1/2 | 10 x 10 | 40 - 70 | High | 1493 | 1433 | 1395 | 1353 | 1312 | 1270 | 1232 | 1187 | 1144 | 1067 | |
| | | | | | Med/High | 1256 | 1221 | 1151 | 1094 | 1047 | 995 | 943 | 895 | 858 | 809 | |
| | | | | | Med | 1166 | 1116 | 1067 | 1008 | 951 | 901 | 856 | 804 | 754 | 703 | |
| | | | | | Med/Low | 1139 | 1078 | 1027 | 975 | 923 | 875 | 824 | 774 | 720 | 669 | |
| | GUH80C090B4MP | 3/4 | 10 x 10 | 35 - 65 | High | 1740 | 1697 | 1655 | 1624 | 1581 | 1545 | 1513 | 1472 | 1421 | 1296 | |
| | | | | | Med/High | 1528 | 1479 | 1437 | 1405 | 1376 | 1319 | 1277 | 1246 | 1197 | 1153 | |
| | | | | | Med | 1404 | 1360 | 1329 | 1268 | 1234 | 1197 | 1150 | 1097 | 1051 | 1010 | |
| | | | | | Med/Low | 1348 | 1302 | 1262 | 1215 | 1175 | 1119 | 1069 | 1025 | 983 | 935 | |
| | GUH80C090C5MP | 1 | 11-1/2 x 10 | 30 - 60 | High | 2179 | 2141 | 2102 | 2065 | 2029 | 1991 | 1952 | 1912 | 1876 | 1842 | |
| | | | | | Med/High | 1917 | 1874 | 1831 | 1790 | 1749 | 1708 | 1683 | 1667 | 1623 | 1582 | |
| | | | | | Med | 1725 | 1679 | 1636 | 1591 | 1546 | 1500 | 1455 | 1408 | 1366 | 1320 | |
| | | | | | Med/Low | 1565 | 1515 | 1468 | 1420 | 1371 | 1320 | 1271 | 1224 | 1176 | 1128 | |
| | GUH80C110C5MP | 1 | 11-1/2 x 10 | 35 - 65 | High | 2147 | 2129 | 2087 | 2065 | 2013 | 1995 | 1942 | 1913 | 1877 | 1797 | |
| | | | | | Med/High | 1917 | 1857 | 1822 | 1787 | 1743 | 1701 | 1651 | 1617 | 1570 | 1545 | |
| | | | | | Med | 1697 | 1632 | 1594 | 1542 | 1498 | 1452 | 1409 | 1358 | 1304 | 1263 | |
| | | | | | Med/Low | 1550 | 1501 | 1436 | 1401 | 1343 | 1294 | 1243 | 1193 | 1158 | 1090 | |
| GUH80C135D5MP | 1 | 11 x 11 | 30 - 60 | High | 2441 | 2384 | 2336 | 2269 | 2211 | 2186 | 2107 | 1979 | 1817 | 1576 | | |
| | | | | Med/High | 2249 | 2200 | 2137 | 2069 | 2021 | 1966 | 1881 | 1826 | 1735 | 1525 | | |
| | | | | Med | 2036 | 1978 | 1895 | 1837 | 1771 | 1710 | 1633 | 1598 | 1512 | 1401 | | |
| | | | | Med/Low | 1826 | 1739 | 1662 | 1585 | 1517 | 1437 | 1429 | 1355 | 1224 | 1124 | | |
| DOWNFLOW | GDD80C045A3MP | 1/2 | 10 x 8 | 15 - 45 | High | 1347 | 1310 | 1278 | 1259 | 1210 | 1183 | 1155 | 1085 | 992 | 879 | |
| | | | | | Med/High | 1137 | 1110 | 1066 | 1027 | 995 | 941 | 902 | 873 | 831 | 796 | |
| | | | | | Med | 947 | 924 | 878 | 831 | 785 | 742 | 702 | 654 | 615 | 574 | |
| | | | | | Med/Low | 880 | 818 | 771 | 713 | 669 | 615 | 570 | 522 | 478 | 437 | |
| | GDD80C070B3MP | 1/2 | 10 x 10 | 30 - 60 | High | 1526 | 1480 | 1434 | 1388 | 1353 | 1309 | 1237 | 1123 | 969 | 753 | |
| | | | | | Med/High | 1291 | 1241 | 1194 | 1163 | 1095 | 1046 | 1000 | 947 | 888 | 700 | |
| | | | | | Med | 1202 | 1156 | 1089 | 1040 | 986 | 928 | 878 | 816 | 723 | 635 | |
| | | | | | Med/Low | 1166 | 1117 | 1059 | 1003 | 951 | 900 | 842 | 750 | 673 | 609 | |
| | GDD80C090B4MP | 3/4 | 10 x 10 | 30 - 60 | High | 1711 | 1668 | 1643 | 1601 | 1559 | 1527 | 1486 | 1456 | 1407 | 1277 | |
| | | | | | Med/High | 1499 | 1451 | 1421 | 1389 | 1352 | 1312 | 1265 | 1236 | 1195 | 1152 | |
| | | | | | Med | 1372 | 1336 | 1307 | 1261 | 1215 | 1181 | 1139 | 1096 | 1055 | 1005 | |
| | | | | | Med/Low | 1328 | 1281 | 1240 | 1198 | 1152 | 1113 | 1062 | 1024 | 982 | 940 | |
| | GDD80C110C5MP | 1 | 11-1/2 x 10 | 30 - 60 | High | 2335 | 2276 | 2243 | 2183 | 2164 | 2120 | 2083 | 2032 | 2008 | 1962 | |
| | | | | | Med/High | 2049 | 2007 | 1971 | 1917 | 1864 | 1818 | 1777 | 1728 | 1690 | 1634 | |
| | | | | | Med | 1798 | 1767 | 1709 | 1654 | 1598 | 1561 | 1496 | 1450 | 1395 | 1345 | |
| | | | | | Med/Low | 1664 | 1603 | 1563 | 1500 | 1439 | 1391 | 1333 | 1272 | 1211 | 1150 | |
| | | | | | | Low | 1476 | 1410 | 1347 | 1280 | 1222 | 1153 | 1100 | 1022 | 928 | 863 |



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.

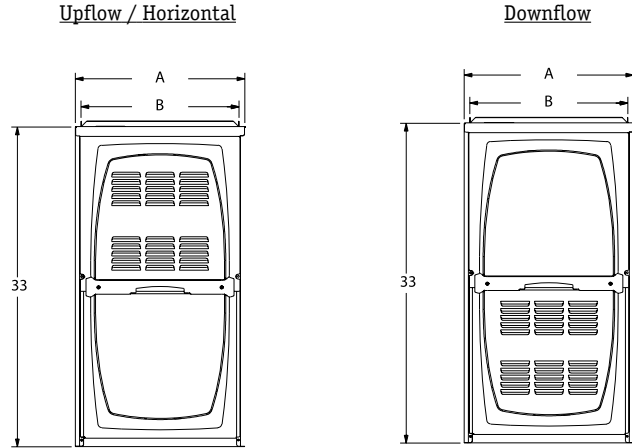
GUH/GDD80C



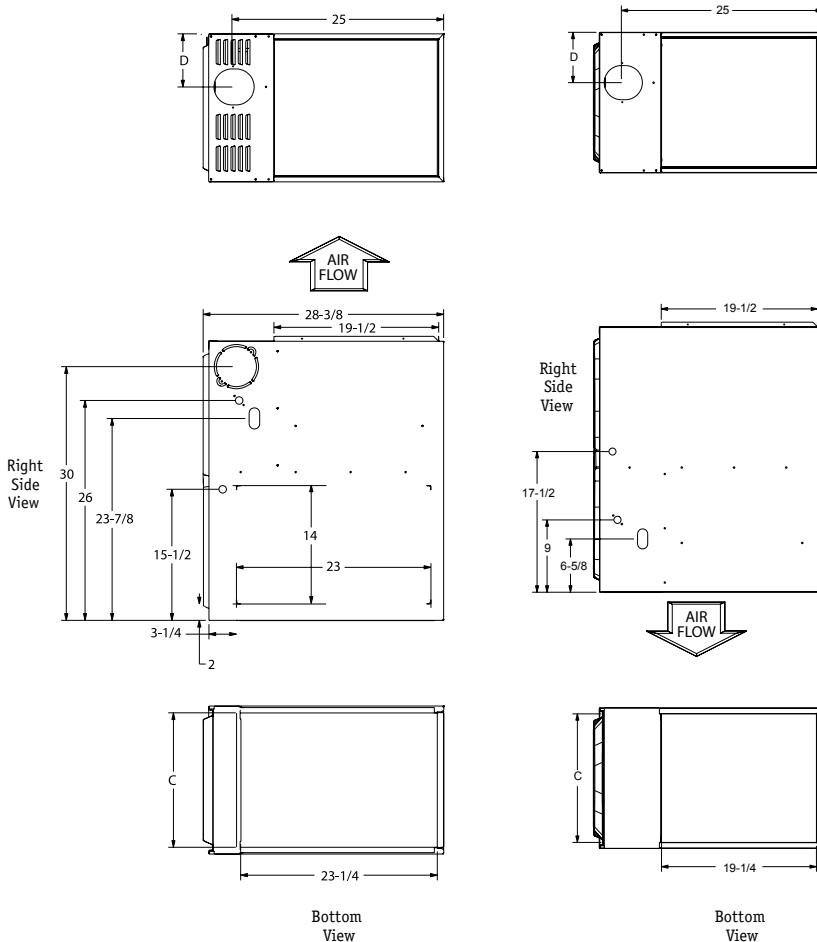
DIMENSIONS (IN.)

| | Model | A | B | C | D |
|---------------------|---------------|--------|--------|--------|-------|
| UPFLOW / HORIZONTAL | GUH80C045A3MP | 14-1/2 | 13-3/8 | 13 | 4-3/4 |
| | GUH80C070A3MP | 14-1/2 | 13-3/8 | 13 | 4-3/4 |
| | GUH80C070B3MP | 17-1/2 | 16-3/8 | 16 | 6-1/4 |
| | GUH80C090B4MP | 17-1/2 | 16-3/8 | 16 | 6-1/4 |
| | GUH80C090C5MP | 21 | 19-3/8 | 19-1/2 | 8 |
| | GUH80C110C5MP | 21 | 19-3/8 | 19-1/2 | 8 |
| | GUH80C135D5MP | 24-1/2 | 23-3/8 | 23 | 9-3/4 |
| DOWNFLOW | GDD80C045A3MP | 14-1/2 | 13-3/8 | 13 | 4-3/4 |
| | GDD80C070B3MP | 17-1/2 | 16-3/8 | 16 | 6-1/4 |
| | GDD80C090B4MP | 17-1/2 | 16-3/8 | 16 | 6-1/4 |
| | GDD80C110C5MP | 21 | 19-7/8 | 19-1/2 | 8 |

FRONT VIEW



TOP VIEW



ACCESSORY LIST

| Catalog Number | Description |
|---|--|
| External Filter Rack kits | |
| 1.841018 | 1 Pack (16x25) |
| 1.841039 | 10 Pack (16x25) |
| Natural to LP Kits | |
| 11K50 | 1-Stage - GUH/GDD80C |
| 11K45 | High Altitude 1-Stage (<4500ft.) |
| Return Air Base | |
| 68W61 | 14.5", A Width |
| 68W62 | 17.5", B Width |
| 68W63 | 21.0", C Width |
| 86W64 | 24.5", D Width |
| Downflow Combustible Flooring Base | |
| 11M59 | 14.5", A Width |
| 11M60 | 17.5", B Width |
| 11M61 | 21.0", C Width |
| Horizontal Suspension Kits | |
| 51W10 | 80% & 90% Kit |
| 2-Stage Compressor Relay Kit | |
| 85W66 | Blower Relay Kit |
| Twinning kit | |
| 27J32 | Recommended when furnace is used with zoning or defrost thermostats and other 24V accessories requiring a higher VA rating |
| | Circuit breaker (furnished) is wired in series |
| | Replaces the standard 40VA transformer |

Note: For vent sizing and clearances to combustibles, please reference installation instructions.

2-Stage Compressor Relay Kit 2-Stage Compressor Relay Kit

"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."