



# GUH95A/GDD95A

## Single Stage Gas Furnace

95%

### SPECIFICATIONS

#### CONFIGURATIONS

- Upflow / Horizontal
- Downflow

#### HEAT EXCHANGER DESIGN

- Aluminized steel design primary heat exchanger with crimped no weld construction
- AL 29-4C Stainless steel secondary heat exchanger

#### BURNER

- Aluminized steel inshot burners for smooth fit

#### CABINET DESIGN

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

#### AIR DELIVERY SYSTEM

- Multi-speed PSC blower motor
- Easily removable slide-out blower design

#### CONTROLS

- Single Stage Gas Valve
- Self diagnostics saves last 5 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals

#### VENTING

- Designed certified for direct and non-direct applications

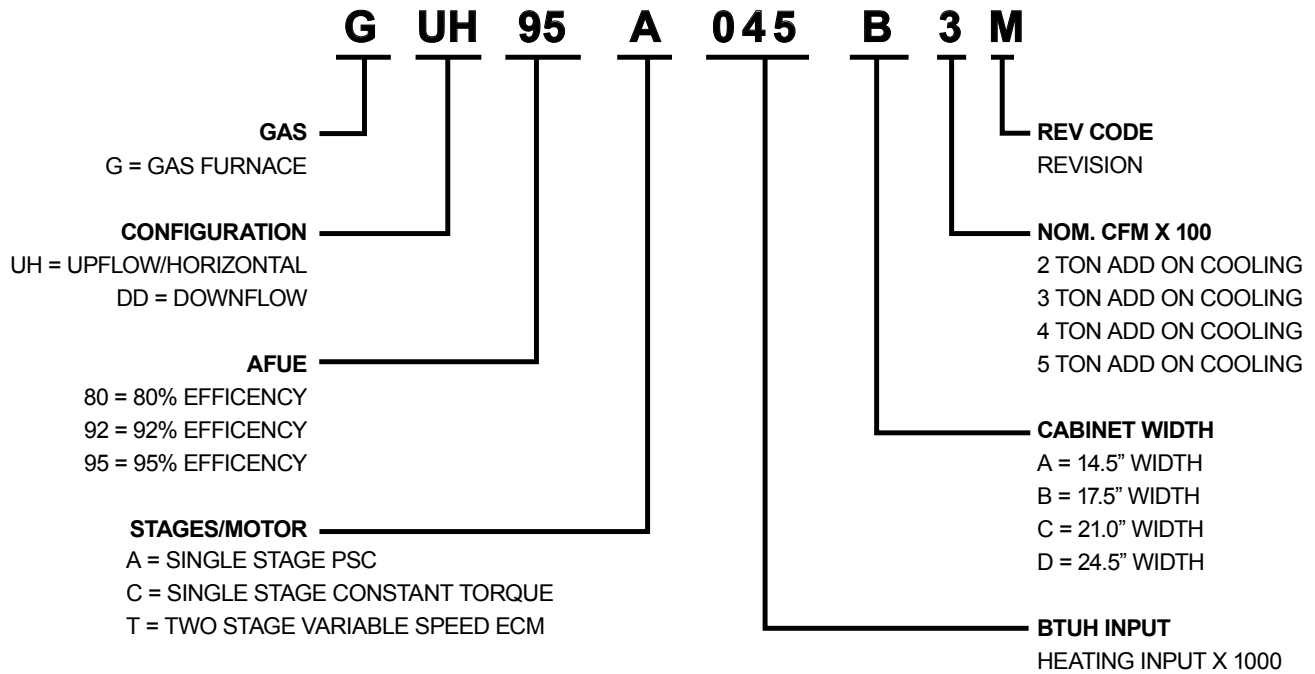
#### INSTALLATION FEATURES

- Left or right utility connection
- Designed certified for direct and non-direct vent applications
- Zero step horizontal conversion
- Removable floor base for bottom return air

#### WARRANTY

Standard warranty or Extended warranty available with product registration. See warranty document for details or visit [www.marsdelivers.com](http://www.marsdelivers.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 | GUH95A045B2M | 44,000       | 41,000        | 95.0%        | 1.5 - 2               | 1/2             | 120 - 60 - 1     | 15                              | 3.1            | 40            | 121                            |
|                     | GUH95A045B3M | 44,000       | 42,000        | 95.0%        | 2 - 3                 | 1/2             | 120 - 60 - 1     | 15                              | 6.1            | 40            | 123                            |
|                     | GUH95A070B3M | 66,000       | 64,000        | 95.0%        | 2 - 3                 | 1/2             | 120 - 60 - 1     | 15                              | 6.1            | 40            | 128                            |
|                     | GUH95A090C3M | 88,000       | 85,000        | 95.0%        | 2 - 3                 | 1/2             | 120 - 60 - 1     | 15                              | 6.1            | 40            | 145                            |
|                     | GUH95A090C4M | 88,000       | 85,000        | 95.0%        | 3 - 4                 | 1/2             | 120 - 60 - 1     | 15                              | 8.2            | 40            | 148                            |
|                     | GUH95A110C4M | 110,000      | 106,000       | 95.0%        | 3 - 4                 | 1/2             | 120 - 60 - 1     | 15                              | 8.2            | 40            | 157                            |
|                     | GUH95A110C5M | 110,000      | 106,000       | 95.0%        | 4 - 5                 | 1/2             | 120 - 60 - 1     | 15                              | 10.0           | 40            | 163                            |
|                     | GUH95A135D5M | 132,000      | 126,000       | 95.0%        | 4 - 5                 | 1/2             | 120 - 60 - 1     | 15                              | 10.0           | 40            | 180                            |
| DOWNFLOW            | GDD95A045B3M | 44,000       | 42,000        | 95.0%        | 2 - 3                 | 1/2             | 120 - 60 - 1     | 15                              | 6.1            | 40            | 125                            |
|                     | GDD95A070B3M | 66,000       | 64,000        | 95.0%        | 2 - 3                 | 1/2             | 120 - 60 - 1     | 15                              | 6.1            | 40            | 129                            |
|                     | GDD95A090C5M | 88,000       | 85,000        | 95.0%        | 4 - 5                 | 1/2             | 120 - 60 - 1     | 20                              | 11.5           | 40            | 148                            |
|                     | GDD95A110C5M | 110,000      | 106,000       | 95.0%        | 4 - 5                 | 1/2             | 120 - 60 - 1     | 20                              | 11.5           | 40            | 165                            |

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

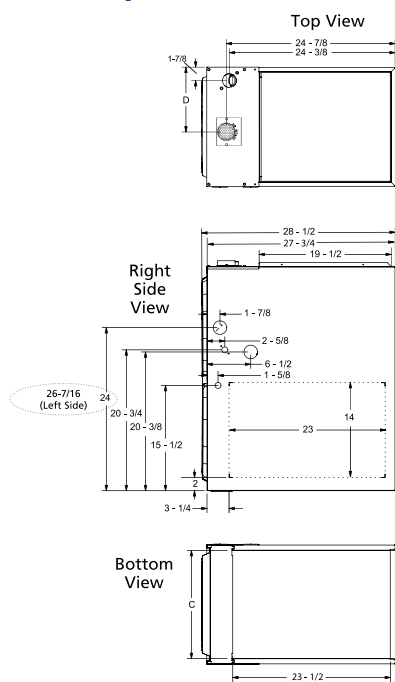
## BLOWER PERFORMANCE DATA

|                     | Model        | Motor Size (hp) | Blower Size | Temp Rise (°F) | Blower Speed | CFM @ External Static Pressure - " w.c. |      |      |      |      |      |      |      |
|---------------------|--------------|-----------------|-------------|----------------|--------------|-----------------------------------------|------|------|------|------|------|------|------|
|                     |              |                 |             |                |              | 0.20                                    | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 |
| UPFLOW / HORIZONTAL | GUH95A045B2M | 1/5             | 10 x 8      | 35 - 65        | High         | 1125                                    | 1090 | 1065 | 1020 | 945  | 910  | 790  | 735  |
|                     |              |                 |             |                | Med/High     | 895                                     | 870  | 870  | 825  | 780  | 740  | 670  | 575  |
|                     |              |                 |             |                | Med          | 755                                     | 725  | 715  | 675  | 640  | 585  | 510  | 460  |
|                     |              |                 |             |                | Low          | 680                                     | 660  | 635  | 605  | 555  | 505  | 455  | 390  |
|                     | GUH95A045B3M | 1/3             | 10 x 8      | 25 - 55        | High         | 1550                                    | 1480 | 1425 | 1355 | 1320 | 1225 | 1135 | 1025 |
|                     |              |                 |             |                | Med/High     | 1330                                    | 1295 | 1280 | 1190 | 1165 | 1110 | 1050 | 950  |
|                     |              |                 |             |                | Med          | 1150                                    | 1140 | 1105 | 1085 | 1030 | 975  | 920  | 800  |
|                     |              |                 |             |                | Low          | 1000                                    | 975  | 975  | 940  | 900  | 855  | 780  | 700  |
|                     | GUH95A070B3M | 1/3             | 10 x 8      | 40 - 70        | High         | 1515                                    | 1465 | 1410 | 1345 | 1275 | 1195 | 1105 | 985  |
|                     |              |                 |             |                | Med/High     | 1300                                    | 1275 | 1235 | 1195 | 1140 | 1090 | 995  | 890  |
|                     |              |                 |             |                | Med          | 1080                                    | 1065 | 1050 | 1020 | 975  | 930  | 850  | 770  |
|                     |              |                 |             |                | Low          | 880                                     | 890  | 875  | 840  | 830  | 780  | 730  | 650  |
|                     | GUH95A090C3M | 1/3             | 10 x 8      | 50 - 80        | High         | 1580                                    | 1525 | 1480 | 1415 | 1350 | 1260 | 1190 | 1060 |
|                     |              |                 |             |                | Med/High     | 1305                                    | 1295 | 1275 | 1220 | 1175 | 1115 | 1010 | 9305 |
|                     |              |                 |             |                | Med          | 1070                                    | 1060 | 1055 | 1030 | 1005 | 955  | 880  | 795  |
|                     |              |                 |             |                | Low          | 890                                     | 890  | 885  | 860  | 835  | 785  | 740  | 655  |
|                     | GUH95A090C4M | 1/2             | 10 x 10     | 40 - 70        | High         | 2060                                    | 1990 | 1925 | 1830 | 1720 | 1600 | 145  | 1300 |
|                     |              |                 |             |                | Med/High     | 1840                                    | 1805 | 1755 | 1675 | 1610 | 1520 | 1410 | 1305 |
|                     |              |                 |             |                | Med          | 1580                                    | 1550 | 1510 | 1460 | 1390 | 1300 | 1200 | 1100 |
|                     |              |                 |             |                | Low          | 1360                                    | 1365 | 1330 | 1285 | 1230 | 1165 | 1035 | 901  |
|                     | GUH95A110C4M | 1/2             | 10 x 10     | 40 - 70        | High         | 1940                                    | 1875 | 1800 | 1725 | 1630 | 1530 | 1410 | 1245 |
|                     |              |                 |             |                | Med/High     | 1600                                    | 1560 | 1495 | 1400 | 1335 | 1290 | 1190 | 1000 |
|                     |              |                 |             |                | Med          | 1400                                    | 1370 | 1330 | 1295 | 1185 | 1100 | 985  | 925  |
|                     |              |                 |             |                | Low          | 1170                                    | 1160 | 1120 | 1080 | 1030 | 940  | 790  | 715  |
|                     | GUH95A110C5M | 3/4             | 11½ x 10    | 40 - 70        | High         | 2265                                    | 2190 | 2090 | 2000 | 1935 | 1805 | 1730 | 1645 |
|                     |              |                 |             |                | Med/High     | 2135                                    | 2050 | 1945 | 1880 | 1770 | 1720 | 1590 | 1520 |
|                     |              |                 |             |                | Med          | 1890                                    | 1785 | 1755 | 1685 | 1540 | 1480 | 1405 | 1340 |
|                     |              |                 |             |                | Low          | 1730                                    | 1685 | 1665 | 1640 | 1590 | 1505 | 1455 | 1400 |
|                     | GUH95A135D5M | 3/4             | 11½ x 10    | 45 - 75        | High         | 2350                                    | 2250 | 2150 | 2030 | 1950 | 1870 | 1740 | 1650 |
|                     |              |                 |             |                | Med/High     | 2170                                    | 2110 | 1970 | 1900 | 1795 | 1690 | 1520 | 1430 |
|                     |              |                 |             |                | Med          | 1890                                    | 1820 | 1750 | 1710 | 1645 | 1560 | 1455 | 1360 |
|                     |              |                 |             |                | Low          | 1665                                    | 1610 | 1565 | 1510 | 1435 | 1410 | 1280 | 1210 |
| DOWNFLOW            | GDD95A045B3M | 1/3             | 10 x 8      | 25 - 55        | High         | 1500                                    | 1450 | 1350 | 1300 | 1195 | 1140 | 1025 | 945  |
|                     |              |                 |             |                | Med/High     | 1340                                    | 1290 | 1235 | 1170 | 1095 | 1020 | 920  | 800  |
|                     |              |                 |             |                | Med          | 1165                                    | 1125 | 1090 | 1035 | 990  | 895  | 840  | 700  |
|                     |              |                 |             |                | Low          | 1015                                    | 975  | 920  | 875  | 840  | 780  | 695  | 605  |
|                     | GDD95A070B3M | 1/3             | 10 x 8      | 35 - 65        | High         | 1445                                    | 1380 | 1315 | 1270 | 1155 | 1075 | 975  | 900  |
|                     |              |                 |             |                | Med/High     | 1275                                    | 1240 | 1190 | 1145 | 1075 | 1000 | 900  | 800  |
|                     |              |                 |             |                | Med          | 1065                                    | 1060 | 1020 | 995  | 940  | 875  | 800  | 675  |
|                     |              |                 |             |                | Low          | 910                                     | 900  | 875  | 870  | 820  | 765  | 715  | 615  |
|                     | GDD95A090C5M | 1               | 11½ x 10    | 30 - 60        | High         | 2200                                    | 2160 | 2055 | 1970 | 1890 | 1775 | 1690 | 1580 |
|                     |              |                 |             |                | Med/High     | 2080                                    | 1990 | 1930 | 1855 | 1765 | 1680 | 1590 | 1485 |
|                     |              |                 |             |                | Med          | 1865                                    | 1830 | 1790 | 1705 | 1635 | 1565 | 1485 | 1405 |
|                     |              |                 |             |                | Low          | 1525                                    | 1545 | 1530 | 1500 | 1495 | 1430 | 1370 | 1270 |
|                     | GDD95A110C5M | 1               | 11½ x 10    | 50 - 80        | High         | 2275                                    | 2200 | 2115 | 2040 | 1955 | 1860 | 1735 | 1640 |
|                     |              |                 |             |                | Med/High     | 2125                                    | 2060 | 1995 | 1940 | 1855 | 1730 | 1620 | 1535 |
|                     |              |                 |             |                | Med          | 1950                                    | 1900 | 1845 | 1795 | 1745 | 1640 | 1590 | 1480 |
|                     |              |                 |             |                | Low          | 1635                                    | 1620 | 1620 | 1590 | 1540 | 1515 | 1415 | 1330 |

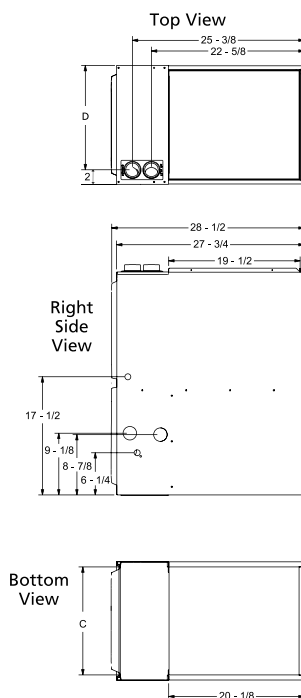
## DIMENSIONS (IN.)

|                     | Model        | A      | B      | C      | D      |
|---------------------|--------------|--------|--------|--------|--------|
| UPFLOW / HORIZONTAL | GUH95A045B2M | 17-1/2 | 16-3/8 | 16     | 7-5/8  |
|                     | GUH95A045B3M | 17-1/2 | 16-3/8 | 16     | 7-5/8  |
|                     | GUH95A070B3M | 17-1/2 | 16-3/8 | 16     | 7-5/8  |
|                     | GUH95A090C3M | 21     | 19-7/8 | 19-1/2 | 9-3/8  |
|                     | GUH95A090C4M | 21     | 19-7/8 | 19-1/2 | 9-3/8  |
|                     | GUH95A110C4M | 21     | 19-7/8 | 19-1/2 | 9-3/8  |
|                     | GUH95A110C5M | 21     | 19-7/8 | 19-1/2 | 9-3/8  |
|                     | GUH95A135D5M | 24-1/2 | 23-3/8 | 23     | 11-1/8 |
| DOWNFLOW            | GDD95A045B3M | 17-1/2 | 16-3/8 | 16     | 15-1/2 |
|                     | GDD95A070B3M | 17-1/2 | 16-3/8 | 16     | 15-1/2 |
|                     | GDD95A090C5M | 21     | 19-7/8 | 19-1/2 | 19     |
|                     | GDD95A110C5M | 21     | 19-7/8 | 19-1/2 | 19     |

### Upflow/Horizontal



### Downflow

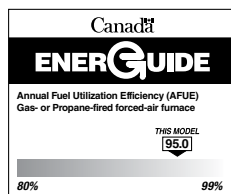
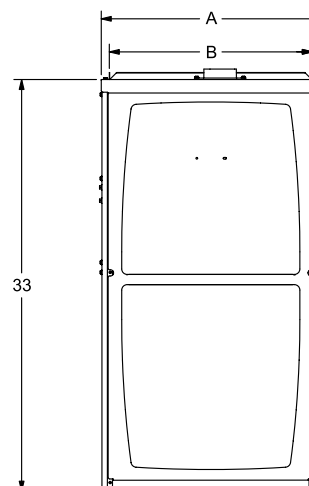


## ACCESSORY LIST

| PART NUMBER                                                | DESCRIPTION          |
|------------------------------------------------------------|----------------------|
| <b>External Filter Rack kits</b>                           |                      |
| AEFR1                                                      | 1 pack (16 x 25)     |
| AEFR10                                                     | 10 pack (16 x 25)    |
| <b>Natural to LP kits</b>                                  |                      |
| 11K50                                                      | 1-Stage - 90         |
| <b>Return Air Base</b>                                     |                      |
| 68W62                                                      | 17.5" B Width        |
| 68W63                                                      | 21.0" C Width        |
| 68W64                                                      | 24.5" D Width        |
| <b>Downflow Combustible Flooring Base</b>                  |                      |
| 11M60                                                      | 17.5" B Width        |
| 11M61                                                      | 21.0" C Width        |
| <b>Night Service Kits</b>                                  |                      |
| 68W80                                                      | Single Stage         |
| <b>Horizontal Suspension Kit</b>                           |                      |
| 51W10                                                      | 80% & 90% Kit        |
| <b>Flush Mount Termination (90% Furnaces only) US Only</b> |                      |
| 51W11                                                      | 2" & 3" Vent Version |
| <b>Concentric Vent Kit (90% Furnaces only) US Only</b>     |                      |
| 71M80                                                      | 1-1/2" Vent Version  |
| 69M29                                                      | 2" Vent Version      |
| 60L46                                                      | 3" Vent Version      |

For vent length and clearances to combustibles, please reference installation instructions.

### Front View



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.