

**MAYTAG®**

## TECHNICAL SPECIFICATIONS

*Model MGC2SD with ECM*



M120 Product Line

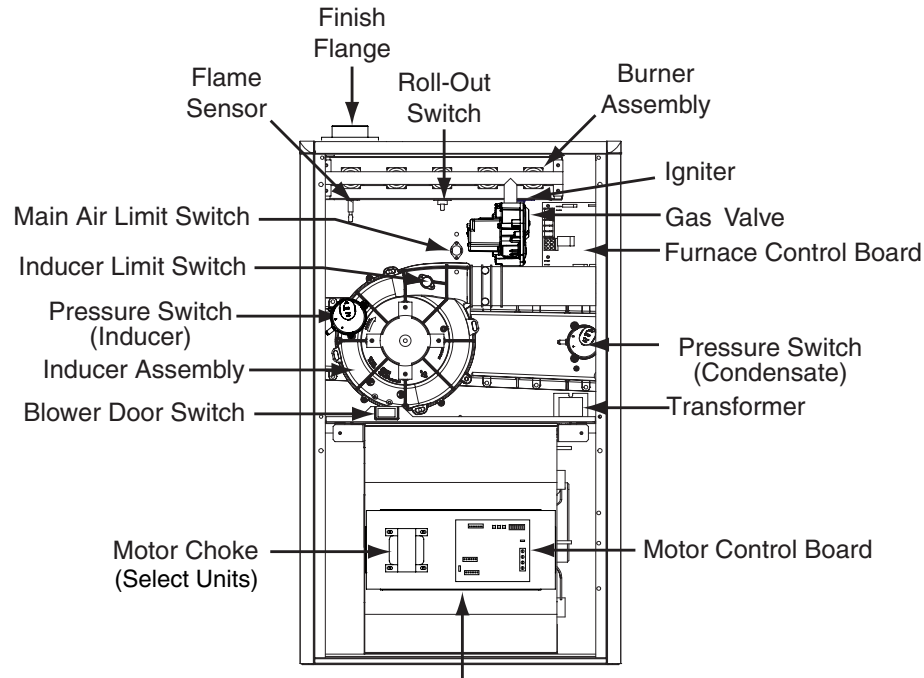
**High Efficiency, Upflow/Horizontal Gas Furnace Model  
Up to 95% AFUE Input 38,000-120,000 Btuh**

The high efficiency gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. The rounded corner jacket provides a pleasing “appliance appearance.” Design certified by CSA for application in Canada and the United States.

## Features and Benefits

- **iSEER:** Energy efficient, brushless DC (ECM) motor gives up to 1 SEER point efficiency gain in cooling.
- **100% fired and tested** — All units and each component are tested on the manufacturing line.
- **Best packaging in the industry** — Unique corner post design assures product will arrive to the homeowner dent free.
- **30 second blower delay** at start-up assures a warm duct temperature at furnace start-up. Adjustable blower off settings (60, 90, 120 and 180 seconds).
- **30 second post purge** increases life of heat exchanger.
- **Hot surface igniter** — Innovative application of an appliance type igniter with a 20 year history of reliability. Utilizes proven SmartStart® technology.
- **Color coded wire harness** — Designed to fit the components, all with quick-connect fittings for ease of service and replacement.
- **Flexible category IV venting system** — May be vertically or horizontally vented using either a one-pipe or two-pipe system for maximum flexibility in installation.
- **High Static Blowers** — All models equipped with high static ECM blowers.
- **16 Speed** — Enables flexible airflow for both heating and cooling modes.
- **Low Boy Height** — Easy to apply in low ceiling applications, works well with taller high SEER coils, easier to handle and install.
- **Tubular primary heat exchanger** — Heavy gauge aluminized steel heat exchanger and stainless steel secondary heat exchanger assures a long life.
- **90 second fixed cooling cycle blower-off delay (TDR)** increases cooling performance when matched with a Nortek Global HVAC coil.
- **LP convertible** — Simple burner orifice and regulator spring change for ease of convertibility.
- **Diagnostic lights for easy troubleshooting without counting flashes** — Dedicated light for flame signal strength and 2 lights in combination to indicate all other fault codes with easy to recognize states without counting flashes.
- **Incorporates integrated control board** with connections for electronic air cleaner and humidifier.
- **Two piece door design** enhances furnace appearance and uses captured screws to prevent losing door screws.
- **Blower Compartment** — Sealed door to reduce air leakage and insulated for ultra quiet operation.
- **Sealed Vestibule** reduces burner and inducer sound levels.
- **Furnace Air Leakage:** These furnaces comply with Energy Star cabinet air leakage requirement of less than or equal to 2%. Keep the conditioned air flowing to where it's needed.

# GAS FURNACE COMPONENTS



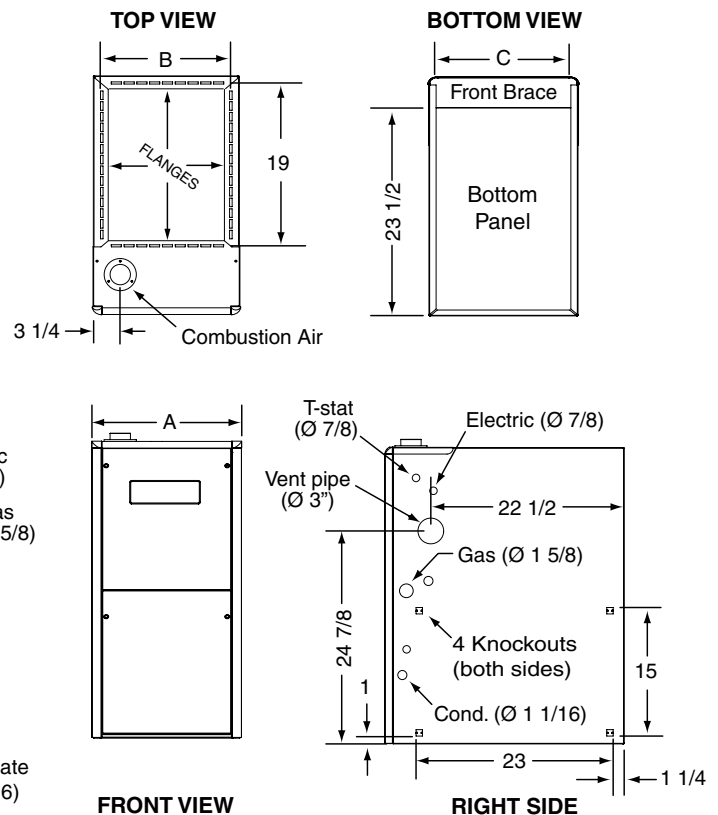
MGC2SD Series -Upflow / Horizontal Furnace

## DIMENSIONS

MGC2SD Upflow / Horizontal Furnaces

| Model #'s | Dim. -A- | Dim -B- | Dim -C- |
|-----------|----------|---------|---------|
| 034D23EB1 | 17 1/2   | 15 7/8  | 16 1/8  |
| 054D23EB1 |          |         |         |
| 072D35EC1 | 21       | 19 3/8  | 19 5/8  |
| 090D35EC1 |          |         |         |
| 108D35ED1 | 24 1/2   | 22 7/8  | 23 1/8  |
| 120D35ED1 |          |         |         |

NOTE: Dimensions shown in inches.



# BLOWER PERFORMANCE MGC2SD

| MODEL NUMBER      | MOTOR SWITCH SETTINGS<br>(0 =OFF,1 =ON) |     |     |     | EXTERNAL STATIC PRESSURE (IN.W.C.) |      |       |      |       |      |       |      |       |      |       |      |       |      |       |      |
|-------------------|-----------------------------------------|-----|-----|-----|------------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|                   |                                         |     |     |     | 0.1                                |      | 0.2   |      | 0.3   |      | 0.4   |      | 0.5   |      | 0.6   |      | 0.7   |      | 0.8   |      |
|                   | 1/5                                     | 2/6 | 3/7 | 4/8 | CFM                                | RISE | CFM   | RISE | CFM   | RISE | CFM   | RISE | CFM   | RISE | CFM   | RISE | CFM   | RISE | CFM   | RISE |
| MGC2SD0 38D-23EB1 | 0                                       | 0   | 0   | 0   | 570                                | 55   | 530   | 58   | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 0   | 0   | 0   | 635                                | 51   | 605   | 54   | 555   | 56   | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 1   | 0   | 0   | 710                                | 46   | 670   | 48   | 625   | 50   | 590   | 53   | 550   | 57   | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 1   | 0   | 0   | 805                                | 41   | 765   | 43   | 725   | 44   | 680   | 47   | 645   | 49   | 605   | 52   | 570   | 56   | —     | —    |
|                   | 0                                       | 0   | 1   | 0   | 865                                | 39   | 830   | 41   | 790   | 42   | 755   | 44   | 715   | 46   | 675   | 48   | 635   | 50   | 590   | 53   |
|                   | 1                                       | 0   | 1   | 0   | 945                                | 36   | 910   | 38   | 875   | 39   | 835   | 41   | 800   | 42   | 755   | 44   | 715   | 45   | 675   | 48   |
|                   | 0                                       | 1   | 1   | 0   | 975                                | 34   | 940   | 36   | 910   | 37   | 875   | 38   | 840   | 40   | 795   | 42   | 755   | 43   | 675   | 45   |
|                   | 1                                       | 1   | 1   | 0   | 1020                               | 34   | 985   | 35   | 955   | 36   | 920   | 37   | 880   | 38   | 845   | 40   | 805   | 42   | 765   | 42   |
|                   | 0                                       | 0   | 0   | 1   | 1080                               | 33   | 1050  | 33   | 1020  | 34   | 980   | 35   | 950   | 36   | 910   | 37   | 875   | 39   | 835   | 41   |
|                   | 1                                       | 0   | 0   | 1   | 1120                               | 32   | 1085  | 31   | 1045  | 32   | 1025  | 33   | 990   | 35   | 955   | 35   | 915   | 37   | 880   | 39   |
|                   | 0                                       | 1   | 0   | 1   | 1180                               | 31   | 1145  | 31   | 1110  | 32   | 1080  | 32   | 1040  | 33   | 1010  | 34   | 975   | 35   | 940   | 36   |
|                   | 1                                       | 1   | 0   | 1   | —                                  | —    | 1180  | 30   | 1145  | 31   | 1115  | 31   | 1085  | 32   | 1050  | 33   | 1015  | 34   | 980   | 35   |
|                   | 0                                       | 0   | 1   | 1   | —                                  | —    | —     | —    | 1185  | 30   | 1155  | 30   | 1120  | 31   | 1090  | 32   | 1050  | 33   | 1015  | 34   |
|                   | 1                                       | 0   | 1   | 1   | —                                  | —    | —     | —    | —     | —    | —     | —    | 1175  | 30   | 1140  | 30   | 1110  | 32   | 1080  | 32   |
|                   | 0                                       | 1   | 1   | 1   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | 1175  | 30   | 1145  | 30   | 1110  | 31   |
|                   | 1                                       | 1   | 1   | 1   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | 1180  | 30   | 1150  | 31   |
| MGC2SD 054D-23EB1 | 0                                       | 0   | 0   | 0   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 0   | 0   | 0   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 1   | 0   | 0   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 1   | 0   | 0   | 725                                | 59   | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 0   | 1   | 0   | 810                                | 57   | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 0   | 1   | 0   | 940                                | 51   | 890   | 54   | 845   | 57   | 795   | 58   | 750   | 60   | 700   | —    | —     | —    | —     | —    |
|                   | 0                                       | 1   | 1   | 0   | 990                                | 48   | 945   | 51   | 905   | 53   | 860   | 56   | 820   | 58   | 775   | —    | —     | —    | —     | —    |
|                   | 1                                       | 1   | 1   | 0   | 1,055                              | 44   | 1,015 | 46   | 970   | 48   | 930   | 50   | 890   | 52   | 845   | 55   | 805   | 58   | 760   | —    |
|                   | 0                                       | 0   | 0   | 1   | 1,135                              | 43   | 1,095 | 45   | 1,055 | 46   | 1,010 | 48   | 960   | 50   | 930   | 53   | 890   | 55   | 850   | 58   |
|                   | 1                                       | 0   | 0   | 1   | 1,185                              | 40   | 1,145 | 41   | 1,105 | 43   | 1,065 | 44   | 1,030 | 46   | 990   | 48   | 950   | 51   | 910   | 55   |
|                   | 0                                       | 1   | 0   | 1   | 1,250                              | 40   | 1,210 | 41   | 1,170 | 41   | 1,135 | 43   | 1,095 | 44   | 1,055 | 46   | 1,020 | 48   | 980   | 51   |
|                   | 1                                       | 1   | 0   | 1   | 1,290                              | 38   | 1,255 | 38   | 1,220 | 39   | 1,180 | 40   | 1,145 | 42   | 1,110 | 44   | 1,075 | 46   | 1,040 | 49   |
|                   | 0                                       | 0   | 1   | 1   | 1,315                              | 37   | 1,275 | 38   | 1,240 | 39   | 1,200 | 40   | 1,160 | 41   | 1,120 | 43   | 1,085 | 45   | 1,045 | 47   |
|                   | 1                                       | 0   | 1   | 1   | 1,350                              | 36   | 1,315 | 36   | 1,280 | 37   | 1,245 | 38   | 1,205 | 39   | 1,170 | 42   | 1,135 | 44   | 1,100 | 45   |
|                   | 0                                       | 1   | 1   | 1   | 1,390                              | 36   | 1,350 | 36   | 1,315 | 36   | 1,275 | 38   | 1,240 | 39   | 1,200 | 41   | 1,160 | 42   | 1,125 | 42   |
|                   | 1                                       | 1   | 1   | 1   | 1,420                              | 34   | 1,380 | 35   | 1,345 | 35   | 1,310 | 36   | 1,270 | 37   | 1,235 | 39   | 1,200 | 40   | 1,160 | 41   |
| MGC2SD 072D-35EC1 | 0                                       | 0   | 0   | 0   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 0   | 0   | 0   | 1,205                              | 59   | 1,120 | 61   | 1,040 | 63   | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 1   | 0   | 0   | 1,305                              | 56   | 1,225 | 59   | 1,150 | 61   | 1,070 | 64   | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 1   | 0   | 0   | 1,430                              | 52   | 1,350 | 54   | 1,270 | 55   | 1,190 | 58   | 1,110 | 60   | 1,030 | 61   | 950   | 62   | —     | —    |
|                   | 0                                       | 0   | 1   | 0   | 1,525                              | 51   | 1,450 | 53   | 1,375 | 54   | 1,300 | 56   | 1,225 | 57   | 1,150 | 59   | 1,075 | 61   | 1,000 | 64   |
|                   | 1                                       | 0   | 1   | 0   | 1,620                              | 48   | 1,540 | 49   | 1,465 | 50   | 1,390 | 51   | 1,315 | 53   | 1,240 | 54   | 1,165 | 56   | 1,090 | 61   |
|                   | 0                                       | 1   | 1   | 0   | 1,695                              | 48   | 1,620 | 49   | 1,545 | 49   | 1,465 | 51   | 1,390 | 52   | 1,315 | 54   | 1,235 | 55   | 1,160 | 57   |
|                   | 1                                       | 1   | 1   | 0   | 1,770                              | 44   | 1,700 | 45   | 1,630 | 46   | 1,555 | 47   | 1,485 | 48   | 1,410 | 50   | 1,340 | 51   | 1,265 | 55   |
|                   | 0                                       | 0   | 0   | 1   | 1,875                              | 43   | 1,805 | 44   | 1,730 | 45   | 1,655 | 46   | 1,580 | 47   | 1,510 | 49   | 1,435 | 50   | 1,340 | 52   |
|                   | 1                                       | 0   | 0   | 1   | 1,905                              | 41   | 1,840 | 42   | 1,775 | 42   | 1,710 | 43   | 1,640 | 44   | 1,575 | 46   | 1,510 | 48   | 1,445 | 50   |
|                   | 0                                       | 1   | 0   | 1   | 1,980                              | 40   | 1,910 | 41   | 1,845 | 41   | 1,780 | 42   | 1,715 | 43   | 1,650 | 46   | 1,580 | 47   | 1,515 | 48   |
|                   | 1                                       | 1   | 0   | 1   | 2,025                              | 39   | 1,960 | 39   | 1,895 | 40   | 1,830 | 41   | 1,765 | 42   | 1,700 | 44   | 1,635 | 45   | 1,570 | 47   |
|                   | 0                                       | 0   | 1   | 1   | 2,085                              | 38   | 2,025 | 39   | 1,960 | 40   | 1,900 | 41   | 1,840 | 42   | 1,775 | 43   | 1,715 | 44   | 1,655 | 45   |
|                   | 1                                       | 0   | 1   | 1   | 2,135                              | 37   | 2,070 | 38   | 2,010 | 39   | 1,945 | 39   | 1,880 | 40   | 1,815 | 41   | 1,750 | 42   | 1,685 | 43   |
|                   | 0                                       | 1   | 1   | 1   | 2,200                              | 37   | 2,145 | 38   | 2,090 | 38   | 2,035 | 39   | 1,980 | 39   | 1,925 | 40   | 1,870 | 40   | 1,820 | 41   |
|                   | 1                                       | 1   | 1   | 1   | 2,280                              | 36   | 2,225 | 37   | 2,170 | 37   | 2,115 | 38   | 2,065 | 38   | 2,010 | 39   | 1,955 | 39   | 1,900 | 40   |

1 Motor Switch Settings are for heating speeds using HEAT switches 1,2,3, & 4 and cooling speeds using COOL switches 5, 6, 7, & 8

2 Two openings are required for airflows above 1,600 CFM if the filter(s) is (are) adjacent to the furnace

3 Data is shown without filter

4.Temperature rises in the table are approximate. Actual temperature rises may vary

5.Cells shaded in gray indicate a temperature rise outside of the recommended range.

6 When in low stage,the circulating airflow is 70% of the tables high value (2-stage furnaces only).

# BLOWER PERFORMANCE MGC2SD (CONTINUED)

| MODEL NUMBER      | MOTOR SWITCH SETTINGS<br>(0 =OFF;1 =ON) |     |     |     | EXTERNAL STATIC PRESSURE (IN.W.C.) |      |       |      |       |      |       |      |       |      |       |      |       |      |       |      |
|-------------------|-----------------------------------------|-----|-----|-----|------------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|                   |                                         |     |     |     | 0.1                                |      | 0.2   |      | 0.3   |      | 0.4   |      | 0.5   |      | 0.6   |      | 0.7   |      | 0.8   |      |
|                   | 1/5                                     | 2/6 | 3/7 | 4/8 | CFM                                | RISE | CFM   | RISE | CFM   | RISE | CFM   | RISE | CFM   | RISE | CFM   | RISE | CFM   | RISE | CFM   | RISE |
| MGC2SD 090D-35EC1 | 0                                       | 0   | 0   | 0   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 0   | 0   | 0   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 1   | 0   | 0   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 1   | 0   | 0   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 0   | 1   | 0   | 1,525                              | 63   | 1,450 | 65   | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 0   | 1   | 0   | 1,620                              | 60   | 1,540 | 61   | 1,465 | 63   | 1,390 | 63   | 1,315 | 64   | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 1   | 1   | 0   | 1,695                              | 57   | 1,620 | 58   | 1,545 | 59   | 1,465 | 61   | 1,390 | 62   | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 1   | 1   | 0   | 1,770                              | 55   | 1,700 | 56   | 1,630 | 57   | 1,555 | 59   | 1,485 | 60   | 1,410 | 63   | 1,340 | 65   | —     | —    |
|                   | 0                                       | 0   | 0   | 1   | 1,875                              | 53   | 1,805 | 54   | 1,730 | 55   | 1,655 | 57   | 1,580 | 58   | 1,510 | 59   | 1,435 | 60   | 1,340 | 62   |
|                   | 1                                       | 0   | 0   | 1   | 1,905                              | 51   | 1,840 | 52   | 1,775 | 53   | 1,710 | 54   | 1,640 | 55   | 1,575 | 56   | 1,510 | 58   | 1,445 | 60   |
|                   | 0                                       | 1   | 0   | 1   | 1,980                              | 49   | 1,910 | 50   | 1,845 | 51   | 1,780 | 52   | 1,715 | 52   | 1,650 | 54   | 1,580 | 55   | 1,515 | 57   |
|                   | 1                                       | 1   | 0   | 1   | 2,025                              | 48   | 1,960 | 49   | 1,895 | 50   | 1,830 | 50   | 1,765 | 51   | 1,700 | 52   | 1,635 | 54   | 1,570 | 56   |
|                   | 0                                       | 0   | 1   | 1   | 2,085                              | 47   | 2,025 | 48   | 1,960 | 48   | 1,900 | 49   | 1,840 | 50   | 1,775 | 51   | 1,715 | 52   | 1,655 | 54   |
|                   | 1                                       | 0   | 1   | 1   | 2,135                              | 46   | 2,070 | 46   | 2,010 | 47   | 1,945 | 48   | 1,880 | 49   | 1,815 | 50   | 1,750 | 51   | 1,685 | 53   |
|                   | 0                                       | 1   | 1   | 1   | 2,200                              | 44   | 2,145 | 45   | 2,090 | 45   | 2,035 | 46   | 1,980 | 47   | 1,925 | 48   | 1,870 | 49   | 1,820 | 51   |
|                   | 1                                       | 1   | 1   | 1   | 2,280                              | 42   | 2,225 | 43   | 2,170 | 44   | 2,115 | 45   | 2,065 | 46   | 2,010 | 47   | 1,955 | 48   | 1,900 | 49   |
| MGC2SD 108D-35ED1 | 0                                       | 0   | 0   | 0   | 1,395                              | 62   | 1,350 | 64   | 1,305 | 66   | 1,260 | 68   | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 0   | 0   | 0   | 1,465                              | 58   | 1,420 | 60   | 1,375 | 62   | 1,330 | 64   | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 1   | 0   | 0   | 1,555                              | 57   | 1,510 | 59   | 1,470 | 61   | 1,425 | 63   | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 1   | 0   | 0   | 1,625                              | 54   | 1,585 | 56   | 1,540 | 58   | 1,500 | 59   | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 0   | 1   | 0   | 1,690                              | 53   | 1,650 | 55   | 1,610 | 56   | 1,570 | 58   | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 0   | 1   | 0   | 1,760                              | 51   | 1,715 | 52   | 1,670 | 54   | 1,625 | 56   | 1,575 | 64   | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 1   | 1   | 0   | 1,835                              | 50   | 1,790 | 52   | 1,745 | 54   | 1,695 | 56   | 1,650 | 62   | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 1   | 1   | 0   | 1,885                              | 49   | 1,840 | 50   | 1,790 | 52   | 1,745 | 53   | 1,700 | 60   | 1,655 | 63   | 1,610 | 65   | —     | —    |
|                   | 0                                       | 0   | 0   | 1   | 1,945                              | 49   | 1,900 | 51   | 1,850 | 52   | 1,805 | 53   | 1,760 | 58   | 1,710 | 59   | 1,665 | 60   | 1,620 | 62   |
|                   | 1                                       | 0   | 0   | 1   | 1,950                              | 47   | 1,905 | 49   | 1,860 | 50   | 1,820 | 51   | 1,775 | 55   | 1,735 | 56   | 1,690 | 58   | 1,650 | 60   |
|                   | 0                                       | 1   | 0   | 1   | 2,075                              | 47   | 2,030 | 49   | 1,990 | 50   | 1,945 | 51   | 1,900 | 52   | 1,855 | 54   | 1,810 | 55   | 1,770 | 57   |
|                   | 1                                       | 1   | 0   | 1   | 2,125                              | 45   | 2,085 | 47   | 2,040 | 49   | 2,000 | 50   | 1,955 | 51   | 1,910 | 52   | 1,870 | 54   | 1,825 | 56   |
|                   | 0                                       | 0   | 1   | 1   | 2,170                              | 45   | 2,130 | 47   | 2,090 | 48   | 2,045 | 49   | 2,005 | 50   | 1,965 | 51   | 1,925 | 52   | 1,880 | 54   |
|                   | 1                                       | 0   | 1   | 1   | 2,215                              | 44   | 2,180 | 45   | 2,140 | 47   | 2,105 | 48   | 2,070 | 49   | 2,035 | 50   | 2,000 | 51   | 1,965 | 53   |
|                   | 0                                       | 1   | 1   | 1   | —                                  | —    | —     | —    | —     | —    | —     | —    | 2,225 | 47   | 2,165 | 48   | 2,100 | 49   | 2,040 | 51   |
|                   | 1                                       | 1   | 1   | 1   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | 2,170 | 47   | 2,120 | 48   | 2,065 | 49   |
| MGC2SD 120D-35ED1 | 0                                       | 0   | 0   | 0   | 1,395                              | 69   | 1,350 | 68   | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 0   | 0   | 0   | 1,465                              | 66   | 1,420 | 66   | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 1   | 0   | 0   | 1,555                              | 62   | 1,510 | 64   | 1,470 | 69   | —     | —    | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 1                                       | 1   | 0   | 0   | 1,625                              | 61   | 1,585 | 62   | 1,540 | 67   | 1,500 | 69   | —     | —    | —     | —    | —     | —    | —     | —    |
|                   | 0                                       | 0   | 1   | 0   | 1,690                              | 59   | 1,650 | 60   | 1,610 | 64   | 1,570 | 66   | 1,530 | 68   | 1,485 | 70   | —     | —    | —     | —    |
|                   | 1                                       | 0   | 1   | 0   | 1,760                              | 58   | 1,715 | 59   | 1,670 | 63   | 1,625 | 64   | 1,575 | 66   | 1,530 | 68   | 1,485 | 70   | —     | —    |
|                   | 0                                       | 1   | 1   | 0   | 1,835                              | 57   | 1,790 | 59   | 1,745 | 61   | 1,695 | 63   | 1,650 | 64   | 1,605 | 66   | 1,555 | 68   | 1,510 | 70   |
|                   | 1                                       | 1   | 1   | 0   | 1,885                              | 57   | 1,840 | 58   | 1,790 | 60   | 1,745 | 62   | 1,700 | 63   | 1,655 | 65   | 1,610 | 66   | 1,565 | 69   |
|                   | 0                                       | 0   | 0   | 1   | 1,945                              | 57   | 1,900 | 56   | 1,850 | 59   | 1,805 | 61   | 1,760 | 62   | 1,710 | 63   | 1,665 | 64   | 1,620 | 67   |
|                   | 1                                       | 0   | 0   | 1   | 1,950                              | 55   | 1,905 | 55   | 1,860 | 58   | 1,820 | 59   | 1,775 | 61   | 1,735 | 62   | 1,690 | 63   | 1,650 | 65   |
|                   | 0                                       | 1   | 0   | 1   | 2,075                              | 53   | 2,030 | 54   | 1,990 | 56   | 1,945 | 58   | 1,900 | 59   | 1,855 | 60   | 1,810 | 61   | 1,770 | 63   |
|                   | 1                                       | 1   | 0   | 1   | 2,125                              | 52   | 2,085 | 53   | 2,040 | 55   | 2,000 | 56   | 1,955 | 58   | 1,910 | 59   | 1,870 | 60   | 1,825 | 62   |
|                   | 0                                       | 0   | 1   | 1   | 2,170                              | 51   | 2,130 | 52   | 2,090 | 54   | 2,045 | 55   | 2,005 | 56   | 1,965 | 58   | 1,925 | 59   | 1,880 | 60   |
|                   | 1                                       | 0   | 1   | 1   | 2,215                              | 51   | 2,180 | 51   | 2,140 | 53   | 2,105 | 54   | 2,070 | 55   | 2,035 | 56   | 2,000 | 58   | 1,965 | 59   |
|                   | 0                                       | 1   | 1   | 1   | —                                  | —    | —     | —    | —     | —    | —     | —    | 2,225 | 54   | 2,165 | 55   | 2,100 | 56   | 2,040 | 58   |
|                   | 1                                       | 1   | 1   | 1   | —                                  | —    | —     | —    | —     | —    | —     | —    | —     | —    | 2,170 | 54   | 2,120 | 55   | 2,065 | 57   |

1 Motor Switch Settings are for heating speeds using HEAT switches 1,2,3, & 4 and cooling speeds using COOL switches 5, 6, 7, & 8

2 Two openings are required for airflows above 1,600 CFM if the filter(s) is (are) adjacent to the furnace

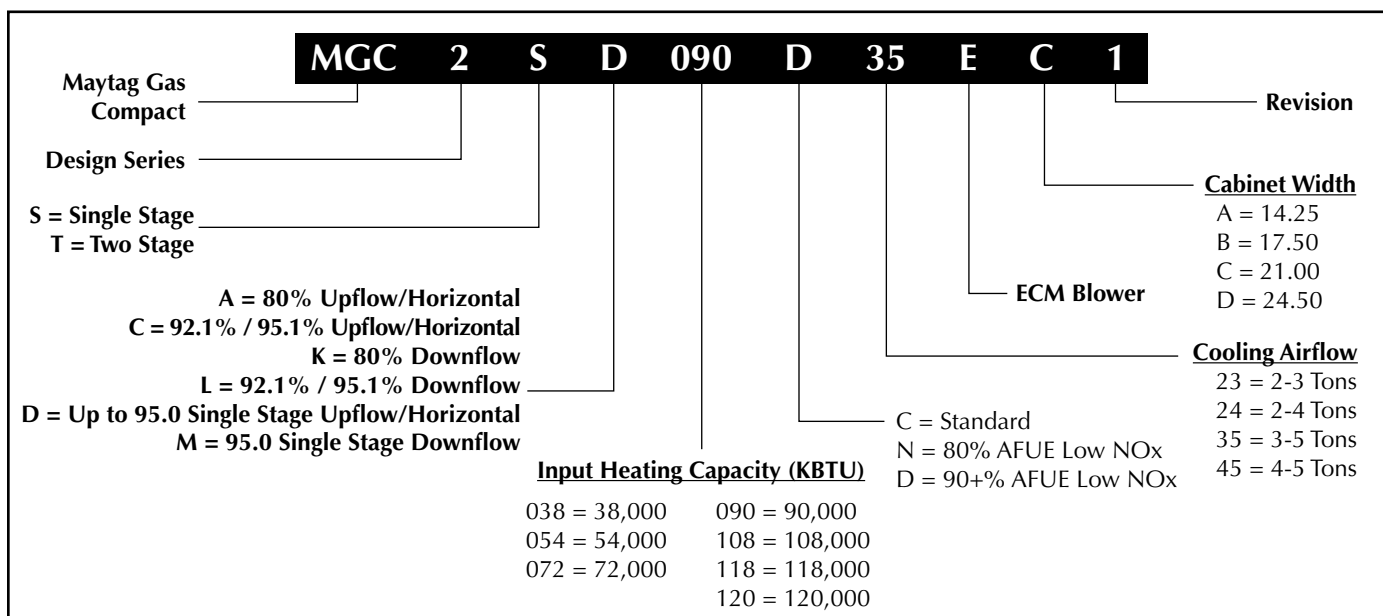
3 Data is shown without filter

4.Temperature rises in the table are approximate. Actual temperature rises may vary

5.Cells shaded in gray indicate a temperature rise outside of the recommended range.

6 When in low stage,the circulating airflow is 70% of the tables high value (2—stage furnaces only).

## IDENTIFICATION CODE



\*118,000 - SM only

## SPECIFICATIONS

| MGC2SD MODEL NUMBERS:       | 038D23EB | 054D23EB1 | 072D35EC1 | 090D35EC1 | 108D35ED1 | 120D35ED1 |
|-----------------------------|----------|-----------|-----------|-----------|-----------|-----------|
| Input - Btuh (a)            | 38,000   | 54,000    | 72,000    | 90,000    | 108,000   | 120,000   |
| Heating Capacity - Btuh     | 36,100   | 51,300    | 68,400    | 85,500    | 102,600   | 114,000   |
| AFUE                        | 95.0     | 95.0      | 95.0      | 95.0      | 95.0      | 94.3      |
| Motor FLA                   | 6.4      | 6.4       | 8.8       | 8.8       | 11.5      | 11.5      |
| Rated Ext. SP - In. W.C.    | 0.5      | 0.5       | 0.5       | 0.5       | 0.5       | 0.5       |
| Temperature Rise Range - °F | 30-60    | 30-60     | 35-65     | 35-65     | 45-65     | 50-70     |
| Shipping Weights            | 117lbs   | 117lbs    | 134lbs    | 140lbs    | 157lbs    | 157lbs    |
| Net Weight                  | 107lbs   | 107lbs    | 126lbs    | 132lbs    | 145lbs    | 145lbs    |

Note: All models are 115V, 60 Hz. Gas Connections are 1/2" N.P.T. AFUE = Annual Fuel Utilization Efficiency  
 (a) Ratings to 2,000 ft. Over 2,000 ft. reduce 4% for each 1,000 ft. above sea level.

## ACCESSORIES

| MGC2SD KITS                                 |        |
|---------------------------------------------|--------|
| Description                                 | SKU    |
| 2" Concentric Vent Kit (US)                 | 904177 |
| 3" Concentric Vent Kit (US)                 | 904176 |
| 2" Concentric Vent Kit (Canada)             | 904952 |
| 3" Concentric Vent Kit (Canada)             | 904953 |
| "B", "C", "D" Cabinet Downflow Sub Base Kit | 904911 |
| 2" Side Wall Vent Kit                       | 904617 |
| 3" Side Wall Vent Kit                       | 904347 |
| U.S. LP Conversion Kit (0 to 10,000 ft.)    | 905028 |
| Canada LP Conversion Kit (0 to 4,500 ft.)   | 905029 |
| Side return filter Kit                      | 541036 |
| Neutralizer Kit                             | 902377 |

## VENTING

All models are approved for vertical non direct (1 pipe) and direct (2 pipe) venting applications. See Vent Table below for specified sizes and allowable lengths.

| MODELS | SINGLE PIPE LENGTH (FT.)<br>with 1 long radius elbow* |        | DIRECT VENT,<br>DUEL PIPE LENGTH (ft.) WITH<br>1 long radius elbow on each pipe* |              |
|--------|-------------------------------------------------------|--------|----------------------------------------------------------------------------------|--------------|
|        | OUTLET                                                | OUTLET | INLET/OUTLET                                                                     | INLET/OUTLET |
|        | 2"                                                    | 3"     | 2"                                                                               | 3"           |
| 038    | 50                                                    | 70     | 50                                                                               | 70           |
| 054    | 70                                                    | 90     | 70                                                                               | 90           |
| 072    | 50                                                    | 90     | 50                                                                               | 90           |
| 090    | 60                                                    | 90     | 60                                                                               | 90           |
| 108    | N/A                                                   | 90     | N/A                                                                              | 90           |
| 120    | N/A                                                   | 90     | N/A                                                                              | 90           |

\* NOTE:

1. Subtract 2.5 ft. for each additional 2" elbow and 3.5 ft. for each additional 3" elbow.
2. Two 45 degree elbows are equivalent to one 90 degree elbow.
3. One short radius elbow is equivalent to two long radius elbows.
4. Do not include termination elbows in calculation of vent length.
5. This table is applicable for elevations from sea level to 2000 ft. For higher elevations decrease vent pipe lengths by 8% per 1000 ft. of altitude.
6. Only the listed pipe materials are approved for use with MGC2 Condensing Furnaces.



**MAYTAG®**

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations.

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