

MAYTAG

TECHNICAL SPECIFICATIONS

Model PGC2T (C and L) Series

 ecoLogic®

SmartStart®

iSEER®

iQ
Drive
READY



M1200 Product Line

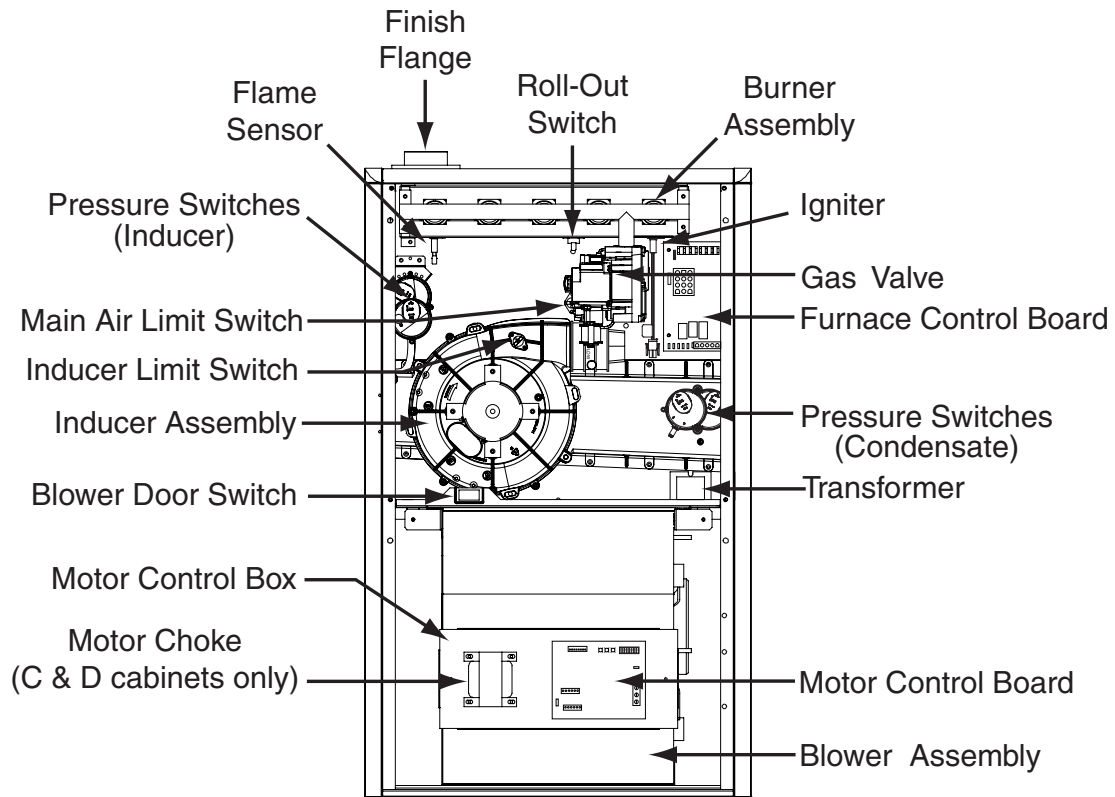
**Two Stage, Variable Speed, High Efficiency
Upflow/Horizontal and Downflow
Gas Furnaces 95.1 AFUE Input 60,000-120,000 Btuh**

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.

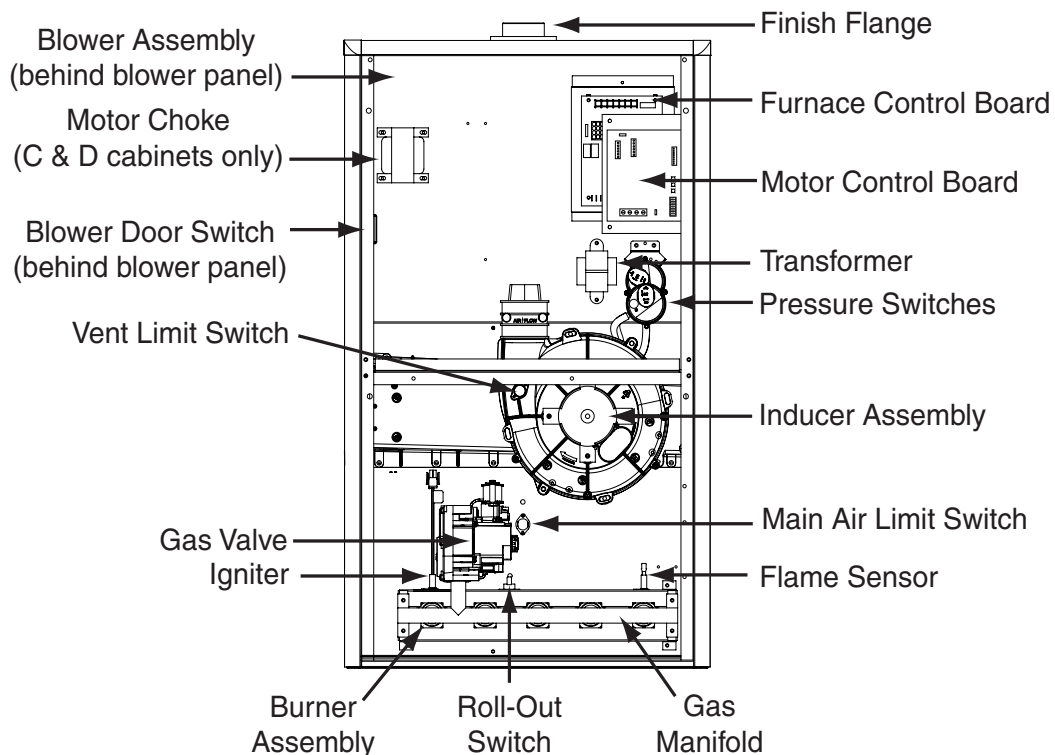
Features and Benefits

- **i SEER™**: Energy efficient brushless DC (ECM) motor gives up to 1 SEER point efficiency gain in cooling.
- **Two Stage Inducer**: Optimizes efficiency on first stage heat and reduces sound levels.
- **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 blowers.
- **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 NORDYNE 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.

GAS FURNACE COMPONENTS



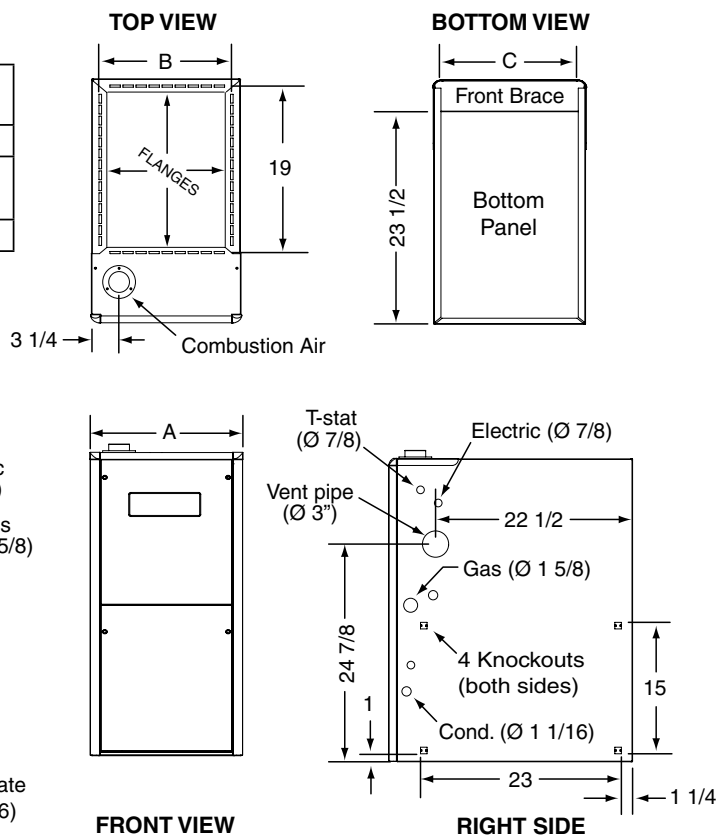
Upflow/Horizontal Gas Furnace



Downflow Gas Furnace

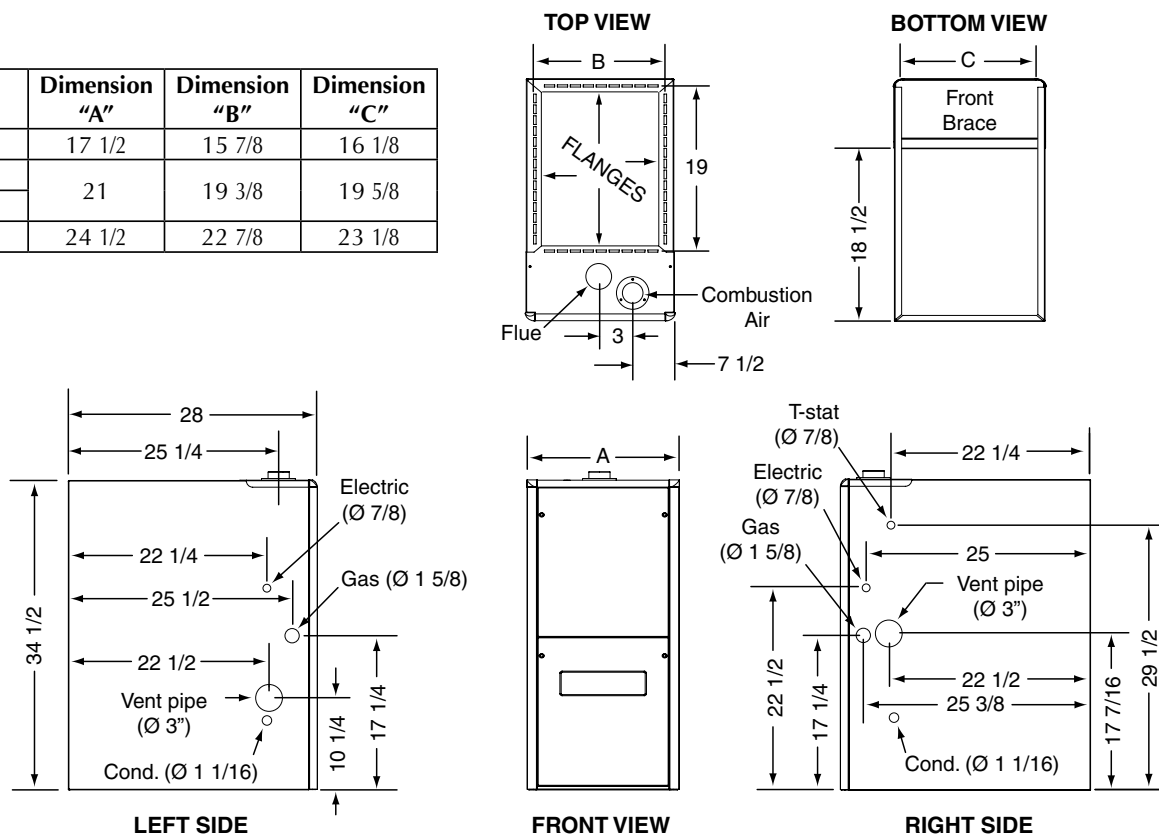
DIMENSIONS

| *TC Model #'s | Dimension "A" | Dimension "B" | Dimension "C" |
|------------------|------------------|------------------|------------------|
| 060DVB | 17 1/2 | 15 7/8 | 16 1/8 |
| 080DVC | 21 | 19 3/8 | 19 5/8 |
| 100DVC | | | |
| 120DVD | 24 1/2 | 22 7/8 | 23 1/8 |



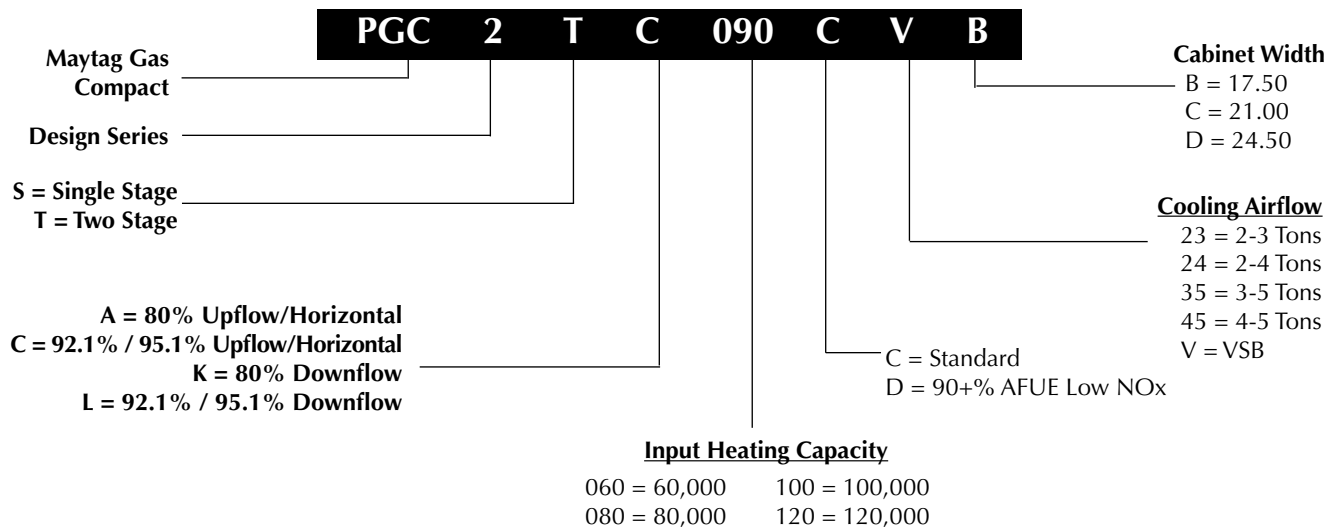
PGC2TC 95.1 High Efficiency Upflow/Horizontal Series

| *TL Model #'s | Dimension "A" | Dimension "B" | Dimension "C" |
|------------------|------------------|------------------|------------------|
| 060DVB | 17 1/2 | 15 7/8 | 16 1/8 |
| 080DVC | 21 | 19 3/8 | 19 5/8 |
| 100DVC | | | |
| 120DVD | 24 1/2 | 22 7/8 | 23 1/8 |



PGC2TL 95.1 High Efficiency Downflow Series

IDENTIFICATION CODE



SPECIFICATIONS

| PGC2TC/TL MODELS NUMBERS: | 060DVB | 080DVC | 100DVC | 120DVD |
|------------------------------|-----------------|-----------------|------------------|------------------|
| Input - Btuh (a) | 60,000 / 39,000 | 80,000 / 52,000 | 100,000 / 65,000 | 120,000 / 78,000 |
| Heating Capacity - Btuh | 57,000 / 37,050 | 76,000 / 49,400 | 95,000 / 61,750 | 114,000 / 74,100 |
| AFUE | 95.1 | 95.1 | 95.1 | 95.1* |
| Blower D x W | 11 x 8 | 11 x 10 | 11 x 10 | 11 x 10 |
| Motor H.P. - Speed - Type | 1/2 - Variable | 3/4 - Variable | 3/4 - Variable | 1 - Variable |
| Motor FLA | 6.2 | 8.7 | 8.7 | 11.70 |
| Rated Ext. SP - In. W.C. | 0.5 | 0.5 | 0.5 | 0.5 |
| Temperature Rise Range - °F | 30-60 | 35-65 | 35-65 | 40-70 |
| Shipping Weights | 125lbs | 135lbs | 145lbs | 160lbs |

*TL 120 is 94.8% AFUE

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.

BLOWER PERFORMANCE

Nominal Heating Airflows (CFM) and Temperature Rise (°F)

| B Cabinet | | | | | *TC/TL060DVB Models | |
|-------------------------|---|---|---|--|----------------------|-------------------|
| Switch Settings HEAT | | | | | Input (BTU) 60000 | |
| A/B | 2 | 3 | 4 | | CFM | Temp Rise (°F) |
| 1 | 0 | 0 | 0 | | 1000 | 53 |
| 1 | 0 | 0 | 1 | | 1100 | 48 |
| 1 | 0 | 1 | 0 | | 1200 | 44 |
| 1 | 0 | 1 | 1 | | 1300 | 41 |
| 1 | 1 | 0 | 0 | | 1400 | 38 |
| 1 | 1 | 0 | 1 | | 1500 | 35 |
| 1 | 1 | 1 | 0 | | 1600 | 33 |
| 1 | 1 | 1 | 1 | | 1700 | 31 |

| C Cabinet | | | | | *TC/TL080DVC Models | | *TC/TL100DVC Models | |
|-------------------------|---|---|---|--|----------------------|-------------------|-----------------------|-------------------|
| Switch Settings HEAT | | | | | Input (BTU) 80000 | | Input (BTU) 100000 | |
| A/B | 2 | 3 | 4 | | CFM | Temp Rise (°F) | CFM | Temp Rise (°F) |
| # | 0 | 0 | 0 | | 1000 | 70 | 1000 | 88 |
| # | 0 | 0 | 1 | | 1115 | 63 | 1115 | 79 |
| # | 0 | 1 | 0 | | 1230 | 57 | 1230 | 72 |
| # | 0 | 1 | 1 | | 1345 | 52 | 1345 | 65 |
| # | 1 | 0 | 0 | | 1460 | 48 | 1460 | 60 |
| # | 1 | 0 | 1 | | 1575 | 45 | 1575 | 56 |
| # | 1 | 1 | 0 | | 1690 | 42 | 1690 | 52 |
| # | 1 | 1 | 1 | | 1805 | 39 | 1805 | 49 |

Switch not used - can be 0 or 1

| D Cabinet | | | | | *TC/TL120DVD Models | |
|-------------------------|---|---|---|--|-----------------------|-------------------|
| Switch Settings HEAT | | | | | Input (BTU) 120000 | |
| A/B | 2 | 3 | 4 | | CFM | Temp Rise (°F) |
| # | 0 | 0 | 0 | | 1500 | 70 |
| # | 0 | 0 | 1 | | 1615 | 65 |
| # | 0 | 1 | 0 | | 1730 | 61 |
| # | 0 | 1 | 1 | | 1845 | 57 |
| # | 1 | 0 | 0 | | 1960 | 54 |
| # | 1 | 0 | 1 | | 2075 | 51 |
| # | 1 | 1 | 0 | | 2190 | 48 |
| # | 1 | 1 | 1 | | 2305 | 46 |

Notes:

- Two openings are recommended for airflows above 1600 CFM if the filter(s) is (are) adjacent to the furnace.
- Temperature rises in the table are approximate. Actual temperature rises may vary.
- Temperature rises that are shaded in grey are for reference only. These conditions are not recommended.
- The blower operating range is .1" to .8" ESP in wc.

COOLING AIRFLOWS

| A Cabinet | | | | | | | Nominal A/C and HP Capacity | | |
|-----------------|---|------|---|---|-----|------|--------------------------------|--|--|
| Switch Settings | | | | | CFM | | | | |
| HEAT | | COOL | | | | | | | |
| A/B | 5 | 6 | 7 | 8 | | | | | |
| 0 | 0 | 0 | 0 | 0 | 360 | 525 | | | |
| 0 | 0 | 0 | 0 | 1 | 400 | 580 | | | |
| 0 | 0 | 0 | 1 | 0 | 440 | 635 | | | |
| 0 | 0 | 0 | 1 | 1 | 475 | 690 | | | |
| 0 | 0 | 1 | 0 | 0 | 515 | 745 | | | |
| 0 | 0 | 1 | 0 | 1 | 550 | 800 | | | |
| 0 | 0 | 1 | 1 | 0 | 590 | 855 | | | |
| 0 | 0 | 1 | 1 | 1 | 630 | 910 | | | |
| 0 | 1 | 0 | 0 | 0 | 665 | 965 | | | |
| 0 | 1 | 0 | 0 | 1 | 705 | 1020 | | | |
| 0 | 1 | 0 | 1 | 0 | 740 | 1075 | | | |
| 0 | 1 | 0 | 1 | 1 | 780 | 1130 | | | |
| 0 | 1 | 1 | 0 | 0 | 820 | 1185 | | | |
| 0 | 1 | 1 | 0 | 1 | 855 | 1240 | | | |
| 0 | 1 | 1 | 1 | 0 | 895 | 1295 | | | |
| 0 | 1 | 1 | 1 | 1 | 930 | 1350 | | | |

| B Cabinet | | | | | | | Nominal A/C and HP Capacity | | |
|-----------------|---|------|---|---|------|------|---|--|--|
| Switch Settings | | | | | CFM | | | | |
| HEAT | | COOL | | | | | | | |
| A/B | 5 | 6 | 7 | 8 | LOW | CFM | <div><div>3.5 TON</div><div>3 TON</div><div>2.5 TON</div><div>2 TON</div></div> | | |
| 1 | 0 | 0 | 0 | 0 | 485 | 700 | | | |
| 1 | 0 | 0 | 0 | 1 | 525 | 760 | | | |
| 1 | 0 | 0 | 1 | 0 | 565 | 820 | | | |
| 1 | 0 | 0 | 1 | 1 | 605 | 880 | | | |
| 1 | 0 | 1 | 0 | 0 | 650 | 940 | | | |
| 1 | 0 | 1 | 0 | 1 | 690 | 1000 | | | |
| 1 | 0 | 1 | 1 | 0 | 730 | 1060 | | | |
| 1 | 0 | 1 | 1 | 1 | 775 | 1120 | | | |
| 1 | 1 | 0 | 0 | 0 | 815 | 1180 | | | |
| 1 | 1 | 0 | 0 | 1 | 855 | 1240 | | | |
| 1 | 1 | 0 | 1 | 0 | 895 | 1300 | | | |
| 1 | 1 | 0 | 1 | 1 | 940 | 1360 | | | |
| 1 | 1 | 1 | 0 | 0 | 980 | 1420 | | | |
| 1 | 1 | 1 | 0 | 1 | 1020 | 1480 | | | |
| 1 | 1 | 1 | 1 | 0 | 1065 | 1540 | | | |
| 1 | 1 | 1 | 1 | 1 | 1105 | 1600 | | | |

| C Cabinet | | | | | | | Nominal A/C and HP Capacity |
|-----------------|---|------|---|-----|------|------|--------------------------------|
| Switch Settings | | | | CFM | | | |
| HEAT | | COOL | | | | | |
| A/B | 5 | 6 | 7 | 8 | LOW | CFM | |
| # | 0 | 0 | 0 | 0 | 705 | 1025 | |
| # | 0 | 0 | 0 | 1 | 750 | 1090 | |
| # | 0 | 0 | 1 | 0 | 795 | 1155 | |
| # | 0 | 0 | 1 | 1 | 840 | 1220 | |
| # | 0 | 1 | 0 | 0 | 885 | 1285 | |
| # | 0 | 1 | 0 | 1 | 930 | 1350 | |
| # | 0 | 1 | 1 | 0 | 975 | 1415 | |
| # | 0 | 1 | 1 | 1 | 1020 | 1480 | |
| # | 1 | 0 | 0 | 0 | 1065 | 1545 | |
| # | 1 | 0 | 0 | 1 | 1110 | 1610 | |
| # | 1 | 0 | 1 | 0 | 1155 | 1675 | |
| # | 1 | 0 | 1 | 1 | 1200 | 1740 | |
| # | 1 | 1 | 0 | 0 | 1245 | 1805 | |
| # | 1 | 1 | 0 | 1 | 1290 | 1870 | |
| # | 1 | 1 | 1 | 0 | 1335 | 1935 | |
| # | 1 | 1 | 1 | 1 | 1380 | 2000 | |

| D Cabinet | | | | | | | Nominal A/C and HP Capacity | | |
|-----------------|---|------|---|---|------|------|--|--|--|
| Switch Settings | | | | | CFM | | | | |
| HEAT | | COOL | | | | | | | |
| A/B | 5 | 6 | 7 | 8 | LOW | CFM | | | |
| # | 0 | 0 | 0 | 0 | 965 | 1400 | <div>5 TON</div> <div>4 TON</div> <div>3.5 TON</div> | | |
| # | 0 | 0 | 0 | 1 | 995 | 1440 | | | |
| # | 0 | 0 | 1 | 0 | 1020 | 1480 | | | |
| # | 0 | 0 | 1 | 1 | 1050 | 1520 | | | |
| # | 0 | 1 | 0 | 0 | 1075 | 1560 | | | |
| # | 0 | 1 | 0 | 1 | 1105 | 1600 | | | |
| # | 0 | 1 | 1 | 0 | 1130 | 1640 | | | |
| # | 0 | 1 | 1 | 1 | 1160 | 1680 | | | |
| # | 1 | 0 | 0 | 0 | 1185 | 1720 | | | |
| # | 1 | 0 | 0 | 1 | 1215 | 1760 | | | |
| # | 1 | 0 | 1 | 0 | 1240 | 1800 | | | |
| # | 1 | 0 | 1 | 1 | 1270 | 1840 | | | |
| # | 1 | 1 | 0 | 0 | 1295 | 1880 | | | |
| # | 1 | 1 | 0 | 1 | 1325 | 1920 | | | |
| # | 1 | 1 | 1 | 0 | 1350 | 1960 | | | |
| # | 1 | 1 | 1 | 1 | 1380 | 2000 | | | |

Switch not used - can be 0 or 1

ACCESSORIES

| PGC2TC/TL KITS | |
|--|--------|
| Description | SKU |
| 2" Concentric vent kit | 904177 |
| 3" Concentric vent kit | 904176 |
| "A" Cabinet downflow sub base kit | 902974 |
| "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.) | 904914 |
| Canada LP Conversion kit (0 to 4,500 ft.) | 904915 |
| Bottom return filter 20 per box, "A" cabinet | 903088 |
| Bottom return filter 20 per box, "B" cabinet | 904916 |
| Bottom return filter 20 per box, "C" cabinet | 904917 |
| Bottom return filter 20 per box, "D" cabinet | 904918 |
| Side return filter kit | 541036 |
| Neutralizer kit | 902377 |

All models are 115 V, 60 HZ. Gas connections are 1/2" N.P.T.
AFUE= Annual Fuel Utilization Efficiency

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.

| FURNACE MODELS (BTU) | FURNACE INSTALLATION | SINGLE PIPE LENGTH (FT.) with 1 long radius elbow** | | DIRECT VENT, DUAL PIPE LENGTH (ft.) WITH 1 long radius elbow on each pipe** | |
|----------------------|----------------------|--|-------------|---|--------------|
| | | OUTLET | OUTLET | INLET/OUTLET | INLET/OUTLET |
| | | 2" Diameter | 3" Diameter | 2" Diameter | 3" Diameter |
| 60,000 | Upflow | 90 | 90 | 90 | 90 |
| | Horizontal | 50 | 90 | 50 | 90 |
| | Downflow | 30 | 90 | 30 | 90 |
| 80,000 | Upflow | 40 | 90 | 40 | 90 |
| | Horizontal | 30 | 90 | 30 | 90 |
| | Downflow | 30 | 90 | 30 | 90 |
| 100,000 | Upflow | 30 | 90 | 30 | 90 |
| | Horizontal | 30 | 90 | 30 | 90 |
| | Downflow | 30 | 90 | 25 | 90 |
| 120,000 | Upflow | N/A | 90 | N/A | 90 |
| | Horizontal | N/A | 90 | N/A | 90 |
| | Downflow | N/A | 90 | N/A | 90 |

***NOTES:**

1. Subtract 2.5 ft. for each additional 2 inch long radius elbow, 5 ft. for each additional 2 inch short radius elbow, 3.5 ft. for each additional 3 inch long radius elbow, and 7 ft. for each additional 3 inch short radius elbow. Subtract 5ft for each 2" tee and 8ft for each 3" tee.
2. Two 45 degree elbows are equivalent to one 90 degree elbow.
3. This table applies for elevations from sea level to 2,000 ft. For higher elevations, decrease pipe lengths by 8% per 1,000 ft of altitude.



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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