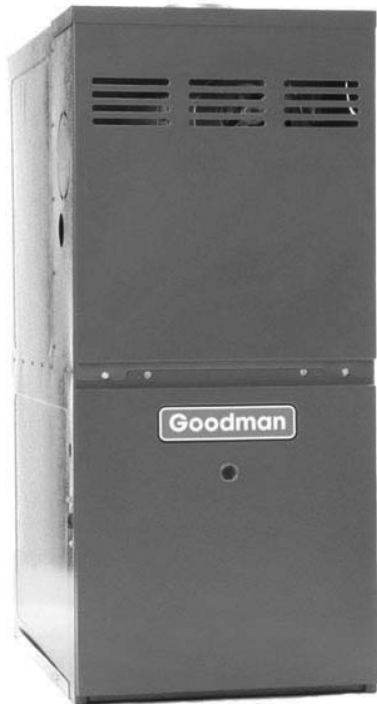




Air Conditioning & Heating

PRODUCT SPECIFICATIONS



80% AFUE

HEATING INPUT:
45,000–140,000 BTU/H



For full warranty details, visit www.goodmanmfg.com.



GMS8/GDS8/GHS8

MULTI-POSITION, SINGLE-STAGE/ MULTI-SPEED GAS FURNACES

The Goodman® GMS8/GHS8/GDS8 80% AFUE Single-Stage, Multi-Speed Gas Furnaces feature a patented aluminized-steel tubular heat exchanger and energy-efficient Hot Surface Ignition system. This furnace is run-tested for heating or combination heating/cooling applications. With a heavy-gauge, reinforced steel cabinet and durable baked enamel finish, this unit can be installed in a variety of locations.

Standard Features

- Patented TuffTube™ dual-diameter tubular heat exchanger
- Single-stage combination redundant gas valve
- Hot surface igniter and patented adaptive learning control for maximum igniter life
- Energy-saving, quiet four-speed direct-drive circulator blower motor
- Furnace control board with self-diagnostics and low-voltage terminal block
- Quiet single-speed, induced-draft blower

Cabinet Features

- Foil-faced insulation lines the heat exchanger compartment
- Designed for multi-position installation:
GMS8 and GHS8: upflow, horizontal left or right
GDS8: dedicated downflow
- Coil and furnace fit flush for most installations

Contents

| | |
|--|----|
| Nomenclature..... | 2 |
| Product Specifications..... | 3 |
| Dimensions..... | 5 |
| Blower Performance Specifications..... | 7 |
| Wiring Diagrams..... | 10 |
| Schematics..... | 11 |
| Accessories..... | 12 |



NOMENCLATURE

| | G | M | S | 8 | 045 | 4 | B | X | A | |
|--------------------------|---|---|---|-----|-------|---|----|----|-------------------------------|---|
| | 1 | 2 | 3 | 4,5 | 6,7,8 | 9 | 10 | 11 | 12 | |
| Brand | G Goodman® Brand or Distinctions™ | | | | | | | | Revisions | A Initial Release B 1st Revision C 2nd Revision |
| Airflow Direction | C Downflow/Horizontal D Dedicated Downflow H High Airflow K Dedicated Upflow M Upflow/Horizontal | | | | | | | | NOx | N Natural Gas X Low NOx |
| Description | V Two-Stage/Variable-speed H Two-Stage/Multi-speed S Single-Stage/Multi-speed E Two-Stage/X-13 Motor | | | | | | | | Cabinet Width | A 14" B 17½" C 21" D 24½" |
| AFUE | 95 95% 9 90%+ 8 80% | | | | | | | | Maximum CFM @ 0.5" ESP | 3 1200 4 1600 5 2000 |
| | | | | | | | | | MBTU/h | 045: 45,000 070: 70,000 090: 90,000 115: 115,000 140: 140,000 |

GMS8 SPECIFICATIONS

| | GMS8 0453ANB* | GMS8 0703ANB* | GMS8 0704BNB* | GMS8 0904BNB* | GMS8 0905CNB* | GMS8 1155CNB* | GMS8 1405DNB |
|---|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| Heating Capacity | | | | | | | |
| Input ¹ | 45,000 | 70,000 | 70,000 | 90,000 | 90,000 | 115,000 | 140,000 |
| Natural Gas Output ¹ | 36,000 | 56,000 | 56,000 | 72,000 | 72,000 | 92,000 | 112,000 |
| LP Gas Output ¹ | 32,000 | 48,000 | 48,000 | 64,000 | 64,000 | 80,000 | 96,000 |
| AFUE ² | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| Temperature Rise Range (°F) | 25 - 55 | 25 - 55 | 20 - 50 | 35 - 65 | 35 - 65 | 35 - 65 | 40 - 70 |
| Available AC @ 0.5" ESP | 3 | 3 | 4 | 4 | 5 | 5 | 5 |
| Circulator Blower | | | | | | | |
| Size (D x W) | 10" x 6" | 10" x 6" | 10" x 8" | 10" x 8" | 10" x 10" | 10" x 10" | 10" x 10" |
| Horsepower @ 1750 RPM | 1/3 | 1/3 | 1/2 | 1/2 | 1/2 | 1/2 | 3/4 |
| Speed | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Vent Diameter ³ | 4" | 4" | 4" | 4" | 4" | 4" | 4" |
| No. of Burners | 2 | 3 | 3 | 4 | 4 | 5 | 6 |
| Filter Size (in²) | | | | | | | |
| Permanent | 290 | 290 | 385 | 385 | 480 | 480 | 480 |
| Disposable | 580 | 580 | 770 | 770 | 960 | 960 | 960 |
| Electrical Data | | | | | | | |
| Min. Circuit Ampacity ⁴ | 8.5 | 8.5 | 12.9 | 12.9 | 12.9 | 12.9 | 15.2 |
| Max. Overcurrent Device (amps) ⁵ | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Ship Weight (lbs) | | | | | | | |
| | 120 | 130 | 143 | 153 | 163 | 163 | 183 |

* Low NOx model available.

1- Natural Gas BTU/h. For altitudes above 2,000'; reduce input rating 4% for each 1,000' above sea level.

2- DOE AFUE based upon Isolated Combustion System (ICS)

3- Vent and combustion air diameters may vary depending upon vent length. Refer to the latest editions of the National Fuel Gas Code NFPA 54/ANSI Z223.1 (in the USA) and the Canada National Standard of Canada, CAN/CSA B149.1 and CAN/CSA B142.2 (in Canada).

4- Minimum Circuit Ampacity = (1.25 x Circulator Blower Amps) + ID Blower amps. Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

5- Maximum Overcurrent Protection Device refers to maximum recommended fuse or circuit breaker size. May use fuses or HACR-type circuit breakers of the same size as noted.

Notes:

- All furnaces are manufactured for use on 115 VAC, 60 Hz, single-phase electrical supply.
- Gas Service Connection 1/2" FPT
- Important: Size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes.

GDS8/GHS8 SPECIFICATIONS

| | GDS8 0453AXB | GDS8 0703AXB | GDS8 0904BXB | GDS8 1155CXB | GHS8 0453AXB | GHS8 0704BXB | GHS8 0905CXB |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Heating Capacity | | | | | | | |
| Input ¹ | 45,000 | 70,000 | 90,000 | 115,000 | 45,000 | 70,000 | 90,000 |
| Natural Gas Output ¹ | 36,000 | 56,000 | 72,000 | 92,000 | 36,000 | 56,000 | 72,000 |
| LP Gas Output ¹ | 32,000 | 48,000 | 64,000 | 80,000 | 32,000 | 48,000 | 64,000 |
| AFUE ² | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| Temperature Rise Range (°F) | 20 - 50 | 30 - 60 | 35 - 65 | 40 - 70 | 15 - 45 | 20 - 50 | 35 - 65 |
| Available AC @ 0.5" ESP | 3 | 3 | 4 | 5 | 3 | 4 | 5 |
| Circulator Blower | | | | | | | |
| Size (D x W) | 10" x 6" | 10" x 6" | 10" x 8" | 10" x 10" | 10" x 6" | 10" x 8" | 11" x 10" |
| Horsepower @ 1750 RPM | 1/3 | 1/3 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 |
| Speed | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| Vent Diameter ³ | 4" | 4" | 4" | 4" | 4" | 4" | 4" |
| No. of Burners | 2 | 3 | 4 | 5 | 2 | 3 | 4 |
| Filter Size (in²) | | | | | | | |
| Permanent | 290 | 290 | 385 | 480 | 290 | 385 | 480 |
| Disposable | 580 | 580 | 770 | 960 | 580 | 770 | 960 |
| Electrical Data | | | | | | | |
| Min. Circuit Ampacity ⁴ | 8.5 | 8.5 | 12.9 | 12.9 | 12.9 | 12.2 | 12.2 |
| Max. Overcurrent Device (amps) ⁵ | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Ship Weight (lbs) | 120 | 130 | 153 | 175 | 120 | 130 | 153 |

1- Natural Gas BTU/h. For altitudes above 2,000', reduce input rating 4% for each 1,000' above sea level.

2- DOE AFUE based upon Isolated Combustion System (ICS)

3- Vent and combustion air diameters may vary depending upon vent length. Refer to the latest editions of the National Fuel Gas Code NFPA 54/ANSI Z223.1 (in the USA) and the Canada National Standard of Canada, CAN/CSA B149.1 and CAN/CSA B142.2 (in Canada).

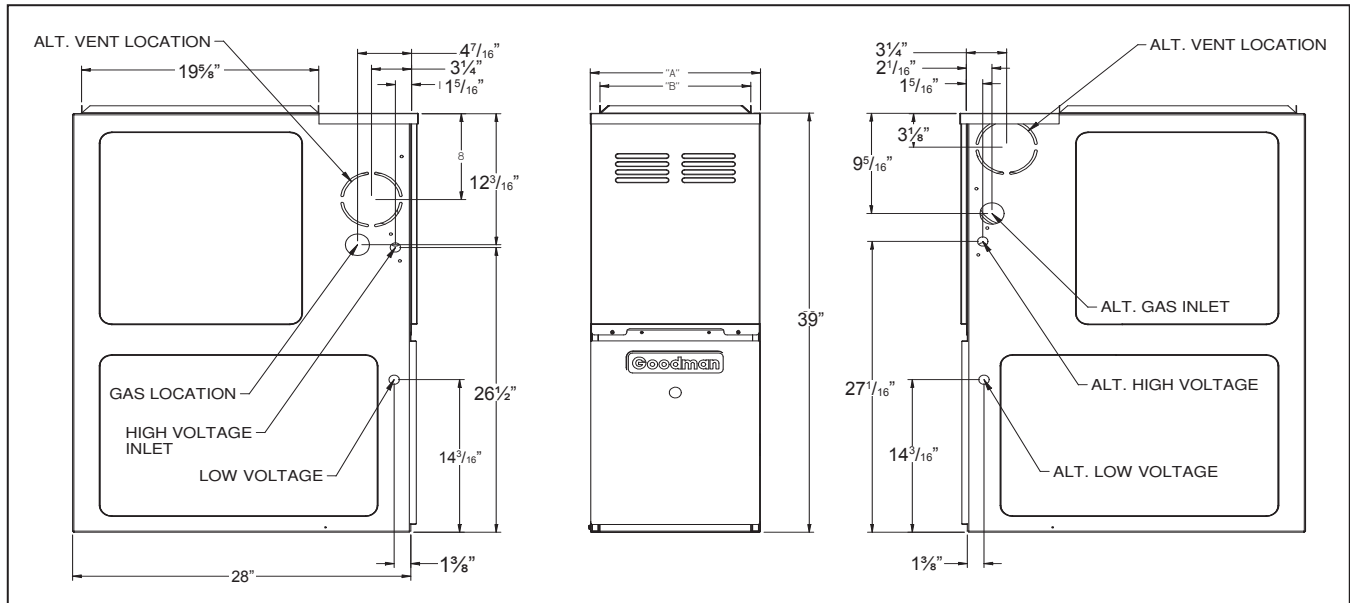
4- Minimum Circuit Ampacity = (1.25 x Circulator Blower Amps) + ID Blower amps. Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

5- Maximum Overcurrent Protection Device refers to maximum recommended fuse or circuit breaker size. May use fuses or HACR-type circuit breakers of the same size as noted.

Notes:

- All furnaces are manufactured for use on 115 VAC, 60 Hz, single-phase electrical supply.
- Gas Service Connection 1/2" FPT
- Important: Size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes.

GMS8/GHS8 DIMENSIONS



| Model | A | B |
|--------------|---------|---------|
| GMS80453ANB* | 14" | 12 1/2" |
| GMS80703ANB* | 14" | 12 1/2" |
| GMS80704BNB* | 17 1/2" | 16" |
| GMS80904BNB* | 17 1/2" | 16" |
| GMS80905CNB* | 21" | 19 1/2" |
| GMS81155CNB* | 21" | 19 1/2" |
| GMS81405DNB | 24 1/2" | 23" |

| Model | A | B |
|-------------|---------|---------|
| GHS80453AXB | 14" | 12 1/2" |
| GHS80704BXB | 17 1/2" | 16" |
| GHS80905CXB | 21" | 19 1/2" |

* Low NOx model available.

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

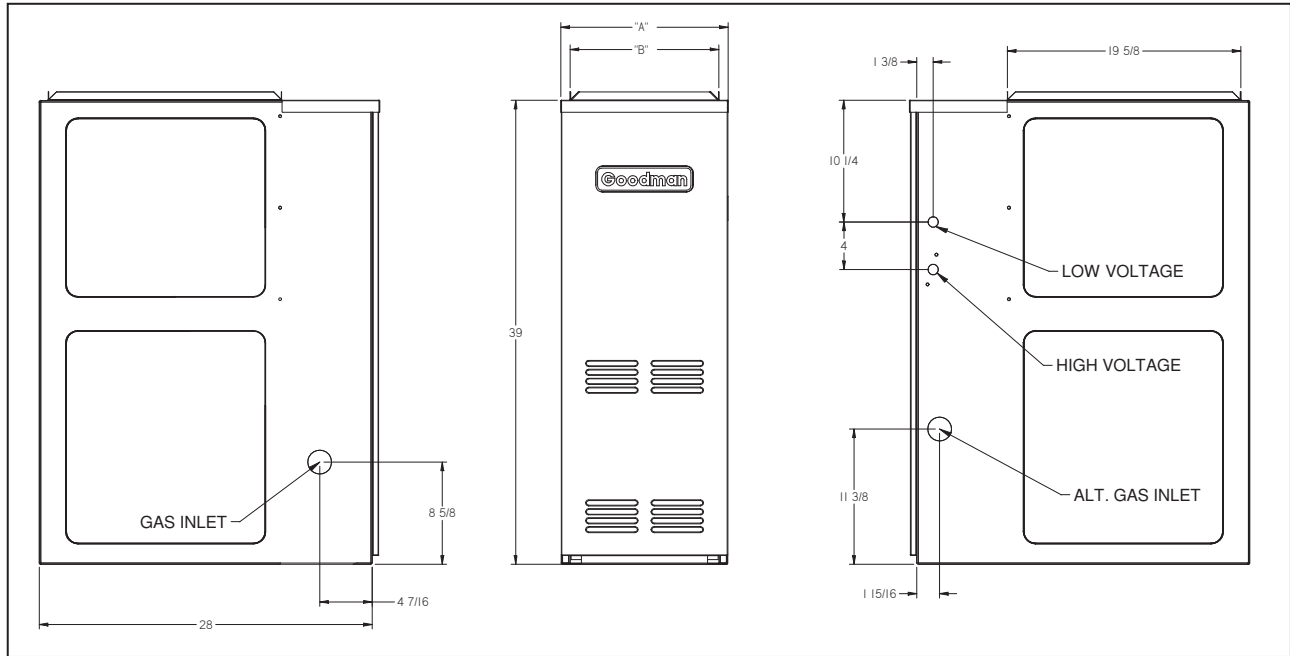
| Sides | Rear | Front ¹ | Vent ² | | Top |
|-------|------|--------------------|-------------------|----|-----|
| | | | SW | B | |
| 1" | 0" | 3" | 6" | 1" | 1" |

¹ 24" clearance for serviceability recommended.

² Single Wall Vent (SW) to be used only as a connector. Refer to the latest editions of the National Fuel Gas Code NFPA 54/ ANSI Z223.1 (in the USA) and the Canada National Standard of Canada, CAN/CSA B149.1 and CAN/CSA B142.2 (in Canada).

Note: GMS8 and GHS8 models approved for line contact in the horizontal position.

GDS8 DIMENSIONS



| Model | A | B | Non-Combustible Floor Base |
|--------------|------|------|----------------------------|
| GDS80453AXB* | 14" | 12½" | SBT14 |
| GDS80703AXB* | 14" | 12½" | SBT14 |
| GDS80904BXB* | 17½" | 16" | SBT17 |
| GDS81155CXB* | 21" | 19½" | SBT21 |

* Low NOx model available.

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

| Sides | Rear | Front ¹ | Vent ² | | Top |
|-------|------|--------------------|-------------------|----|-----|
| | | | SW | B | |
| 1" | 0" | 3" | 6" | 1" | 1" |

¹ 24" clearance for serviceability recommended.

² Single Wall Vent (SW) to be used only as a connector. Refer to the latest editions of the National Fuel Gas Code NFPA 54/ ANSI Z223.1 (in the USA) and the Canada National Standard of Canada, CAN/CSA B149.1 and CAN/CSA B142.2 (in Canada).

BLOWER PERFORMANCE SPECIFICATIONS

| (CFM & Temperature Rise vs. External Static Pressure) | | | | | | | | | | | | | | | |
|---|-------------|----------------------|---|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
| Model | Motor Speed | Tons AC ¹ | External Static Pressure, (Inches Water Column) | | | | | | | | | | | | |
| | | | 0.1 | | 0.2 | | 0.3 | | 0.4 | | 0.5 | | 0.6 | 0.7 | 0.8 |
| | | | CFM | Rise | CFM | Rise | CFM | Rise | CFM | Rise | CFM | Rise | CFM | CFM | CFM |
| GMS8 0453ANB* (Med) ² | High | 3.0 | 1,555 | --- | 1,511 | --- | 1,459 | --- | 1,392 | --- | 1,344 | 25 | 1,279 | 1,201 | 1,120 |
| | Med | 2.5 | 1,165 | 28 | 1,123 | 30 | 1,100 | 30 | 1,090 | 30 | 1,048 | 32 | 1,017 | 970 | 903 |
| | Med-Lo | 2.0 | 927 | 36 | 907 | 37 | 889 | 37 | 863 | 38 | 853 | 39 | 822 | 800 | 746 |
| | Low | 1.5 | 699 | 47 | 694 | 48 | 668 | 50 | 645 | 51 | 636 | 52 | 592 | 566 | 524 |
| GMS8 0703ANB* (Med) ² | High | 3.0 | 1,437 | 36 | 1,310 | 39 | 1,295 | 40 | 1,310 | 39 | 1,273 | 41 | 1,202 | 1,129 | 1,039 |
| | Med | 2.5 | 1,127 | 46 | 1,100 | 47 | 1,095 | 47 | 1,075 | 48 | 1,050 | 49 | 1,018 | 967 | 904 |
| | Med-Lo | 2.0 | 895 | --- | 917 | --- | 878 | --- | 867 | --- | 853 | --- | 830 | 786 | 743 |
| | Low | 1.5 | 694 | --- | 681 | --- | 663 | --- | 640 | --- | 625 | --- | 591 | 562 | 522 |
| GMS8 0704BNB* (Med) ² | High | 4.0 | 2,234 | 23 | 2,151 | 24 | 2,076 | 25 | 1,990 | 26 | 1,897 | 27 | 1,803 | 1,710 | 1,569 |
| | Med | 3.5 | 1,676 | 31 | 1,653 | 31 | 1,648 | 31 | 1,581 | 33 | 1,555 | 33 | 1,492 | 1,414 | 1,352 |
| | Med-Lo | 3.0 | 1,342 | 38 | 1,335 | 39 | 1,321 | 39 | 1,313 | 39 | 1,291 | 40 | 1,261 | 1,215 | 1,149 |
| | Low | 2.5 | 1,089 | 47 | 1,085 | 48 | 1,078 | 48 | 1,071 | 48 | 1,057 | 49 | 1,040 | 986 | 932 |
| GMS8 0904BNB* (Med) ² | High | 4.0 | 2,182 | --- | 2,127 | 31 | 2,056 | 32 | 1,974 | 33 | 1,895 | 35 | 1,809 | 1,715 | 1,588 |
| | Med | 3.5 | 1,645 | 40 | 1,628 | 40 | 1,615 | 40 | 1,597 | 41 | 1,541 | 43 | 1,491 | 1,440 | 1,350 |
| | Med-Lo | 3.0 | 1,320 | 49 | 1,305 | 49 | 1,310 | 49 | 1,310 | 50 | 1,295 | 51 | 1,267 | 1,217 | 1,139 |
| | Low | 2.5 | 1,063 | 60 | 1,061 | 60 | 1,057 | 61 | 1,056 | 61 | 1,039 | 61 | 1,025 | 1,005 | 948 |
| GMS8 0905CNB* (Med) ² | High | 5.0 | 2,334 | --- | 2,334 | --- | 2,284 | --- | 2,135 | --- | 2,051 | 35 | 1,910 | 1,748 | 1,605 |
| | Med | 4.0 | 1,754 | 39 | 1,735 | 39 | 1,728 | 40 | 1,685 | 40 | 1,628 | 42 | 1,551 | 1,469 | 1,346 |
| | Med-Lo | 3.5 | 1,367 | 47 | 1,380 | 47 | 1,371 | 47 | 1,374 | 48 | 1,335 | 50 | 1,293 | 1,246 | 1,165 |
| | Low | 3.0 | 1,098 | 58 | 1,109 | 59 | 1,109 | 59 | 1,088 | 60 | 1,066 | 62 | 1,050 | 998 | 916 |
| GMS8 1155CNB* (Med) ² | High | 5.0 | 2,481 | --- | 2,395 | 35 | 2,288 | 37 | 2,217 | 38 | 2,076 | 41 | 1,999 | 1,858 | 1,732 |
| | Med | 4.0 | 1,738 | 49 | 1,732 | 49 | 1,709 | 50 | 1,686 | 50 | 1,639 | 52 | 1,585 | 1,492 | 1,385 |
| | Med-Lo | 3.5 | 1,364 | 62 | 1,378 | 62 | 1,372 | 62 | 1,372 | 62 | 1,350 | 63 | 1,313 | 1,261 | 1,125 |
| | Low | 3.0 | 1,137 | --- | 1,142 | --- | 1,140 | --- | 1,114 | --- | 1,090 | --- | 1,056 | 954 | 860 |
| GMS8 1405DNB (Med) ² | High | 5.0 | 2,554 | 41 | 2,435 | 43 | 2,375 | 44 | 2,240 | 47 | 2,152 | 49 | 2,002 | 1,883 | 1,744 |
| | Med | 4.0 | 1,846 | 57 | 1,773 | 59 | 1,762 | 60 | 1,712 | 61 | 1,672 | 63 | 1,583 | 1,526 | 1,442 |
| | Med-Lo | 3.5 | 1,520 | 69 | 1,500 | 70 | 1,483 | --- | 1,470 | --- | 1,435 | --- | 1,373 | 1,308 | 1,245 |
| | Low | 3.0 | 1,301 | --- | 1,274 | --- | 1,260 | --- | 1,231 | --- | 1,207 | --- | 1,177 | 1,093 | 931 |

* Low NOx model available.

¹ at 0.5" ESP

² Heating speed as shipped

Notes:

- CFM in chart is without filter(s). Filters do not ship with this furnace, but must be provided by the installer. If the furnace requires two return filters, this chart assumes both filters are installed.
- All furnaces ship as high-speed cooling and medium-speed heating. Installer must adjust blower cooling and heating speed as needed.
- For most jobs, about 400 CFM per ton when cooling is desirable.
- INSTALLATION IS TO BE ADJUSTED TO OBTAIN TEMPERATURE RISE WITHIN THE RANGE SPECIFIED ON THE RATING PLATE.
- This chart is for information only. For satisfactory operation, external static pressure should not exceed value shown on the rating plate. The shaded area indicates ranges in excess of recommended maximum heating static pressure.
- The dashed (---) areas indicate a temperature rise not recommended for this model.
- The above chart is for U.S. furnaces installed at 0-2000 feet. At higher altitudes, a properly derated unit will have approximately the same temperature rise at a particular CFM, while ESP at the CFM will be lower.

BLOWER PERFORMANCE SPECIFICATIONS (CONT.)

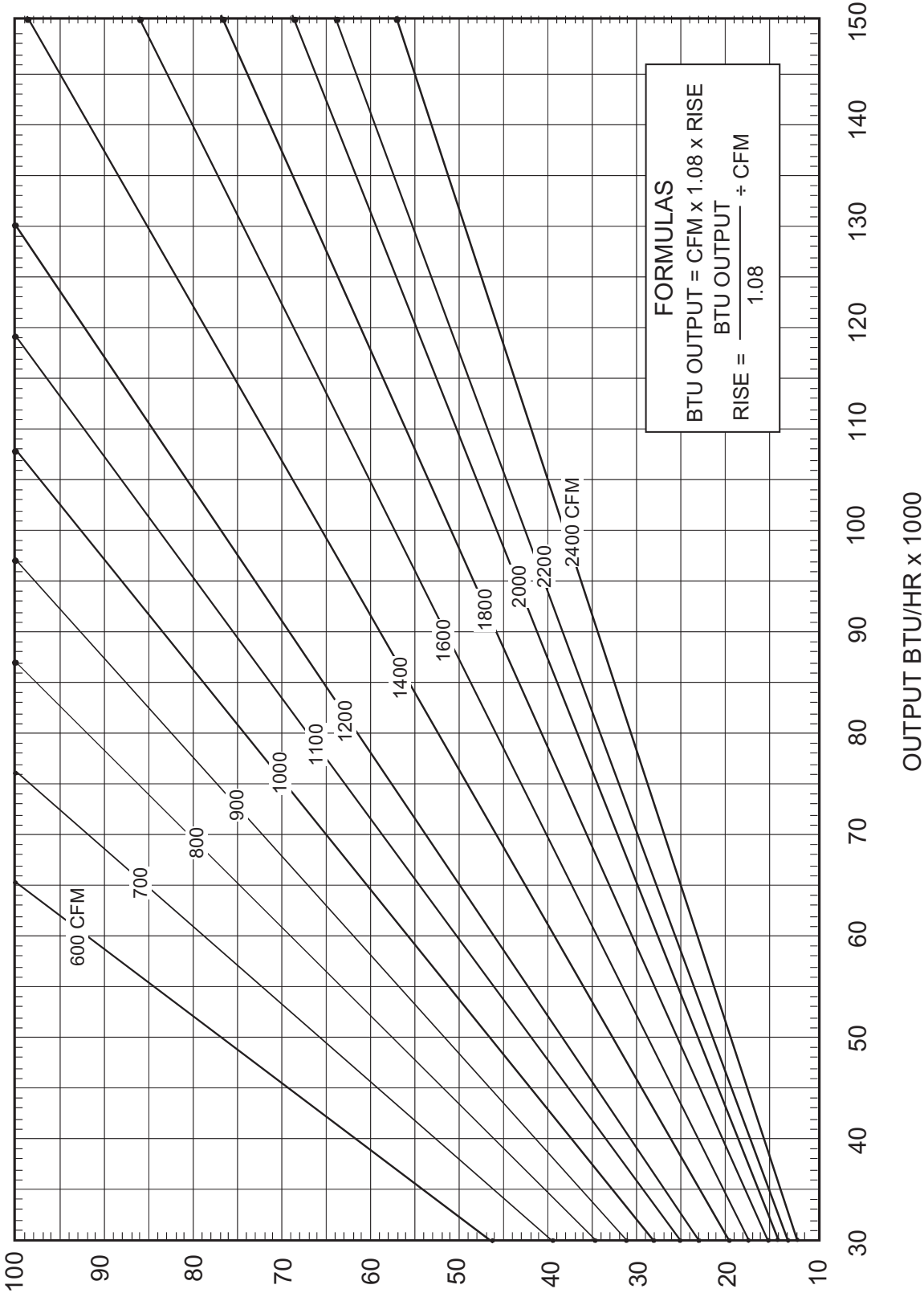
| (CFM & Temperature Rise vs. External Static Pressure) | | | | | | | | | | | | | | | |
|---|-------------|----------------------|---|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
| Model | Motor Speed | Tons AC ¹ | External Static Pressure, (Inches Water Column) | | | | | | | | | | | | |
| | | | 0.1 | | 0.2 | | 0.3 | | 0.4 | | 0.5 | | 0.6 | 0.7 | 0.8 |
| | | | CFM | Rise | CFM | Rise | CFM | Rise | CFM | Rise | CFM | Rise | CFM | CFM | CFM |
| GDS8 0453AXB (Med) ² | High | 3.0 | 1,435 | --- | 1,421 | --- | 1,380 | --- | 1,322 | 25 | 1,262 | 26 | 1,200 | 1,144 | 1,064 |
| | Med | 2.5 | 1,140 | 29 | 1,114 | 30 | 1,084 | 31 | 1,063 | 31 | 1,039 | 32 | 1,002 | 943 | 897 |
| | Med-Lo | 2.0 | 899 | 37 | 889 | 37 | 875 | 38 | 871 | 38 | 857 | 39 | 821 | 780 | 745 |
| | Low | 1.5 | 691 | 48 | 674 | 49 | 665 | 50 | 651 | 51 | 637 | 52 | 618 | 562 | 525 |
| GDS8 0703AXB (Med) ² | High | 3.0 | 1,406 | 37 | 1,393 | 37 | 1,379 | 37 | 1,307 | 39 | 1,262 | 41 | 1,208 | 1,145 | 1,070 |
| | Med | 2.5 | 1,153 | 45 | 1,101 | 47 | 1,077 | 48 | 1,039 | 50 | 1,028 | 50 | 987 | 947 | 885 |
| | Med-Lo | 2.0 | 890 | 58 | 896 | 58 | 873 | 59 | 862 | 60 | 834 | --- | 798 | 771 | 727 |
| | Low | 1.5 | 690 | --- | 682 | --- | 664 | --- | 631 | --- | 616 | --- | 583 | 549 | 509 |
| GDS8 0904BXB (Med) ² | High | 4.0 | 2,007 | --- | 1,993 | --- | 1,975 | --- | 1,940 | --- | 1,844 | 36 | 1,770 | 1,668 | 1,559 |
| | Med | 3.5 | 1,612 | 41 | 1,606 | 41 | 1,570 | 42 | 1,533 | 43 | 1,501 | 44 | 1,448 | 1,373 | 1,301 |
| | Med-Lo | 3.0 | 1,325 | 50 | 1,299 | 51 | 1,280 | 52 | 1,244 | 53 | 1,222 | 54 | 1,186 | 1,140 | 1,079 |
| | Low | 2.5 | 1,043 | 64 | 1,040 | 64 | 1,032 | 64 | 1,002 | --- | 981 | --- | 955 | 915 | 869 |
| GDS8 1155CXB (Med) ² | High | 5.0 | 2,381 | --- | 2,312 | --- | 2,312 | --- | 2,219 | --- | 2,134 | 40 | 2,024 | 1,930 | 1,839 |
| | Med | 4.0 | 1,801 | 47 | 1,667 | 51 | 1,667 | 51 | 1,638 | 52 | 1,613 | 53 | 1,513 | 1,441 | 1,369 |
| | Med-Lo | 3.5 | 969 | --- | 1,062 | --- | 1,140 | --- | 1,223 | 69 | 1,269 | 67 | 1,292 | 1,322 | 1,358 |
| | Low | 3.0 | 1,100 | --- | 1,094 | --- | 1,060 | --- | 1,031 | --- | 1,001 | --- | 953 | 937 | 874 |

| (CFM & Temperature Rise vs. External Static Pressure) | | | | | | | | | | | | | | | | | | |
|---|-------------|----------------------|---|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| Model | Motor Speed | Tons AC ¹ | External Static Pressure, (Inches Water Column) | | | | | | | | | | | | | | | |
| | | | 0.1 | | 0.2 | | 0.3 | | 0.4 | | 0.5 | | 0.6 | | 0.7 | | 0.8 | |
| | | | CFM | Rise | CFM | Rise | CFM | Rise | CFM | Rise | CFM | Rise | CFM | Rise | CFM | Rise | CFM | Rise |
| GHS8 0453AXB (Med) ² | High | 3.0 | 1,654 | --- | 1,647 | --- | 1,605 | --- | 1,537 | --- | 1,499 | --- | 1,493 | --- | 1,406 | --- | 1,307 | 25 |
| | Med | 2.5 | 1,489 | --- | 1,463 | --- | 1,456 | --- | 1,416 | --- | 1,403 | --- | 1,346 | 25 | 1,271 | 26 | 1,185 | 28 |
| | Med-Lo | 2.0 | 1,349 | 25 | 1,282 | 26 | 1,246 | 27 | 1,235 | 27 | 1,218 | 27 | 1,187 | 28 | 1,128 | 29 | 1,051 | 32 |
| | Low | 1.5 | 1,088 | 30 | 1,086 | 31 | 1,082 | 31 | 1,069 | 31 | 1,045 | 32 | 1,013 | 33 | 968 | 34 | 908 | 37 |
| GHS8 0704BXB (Med) ² | High | 4.0 | 2,040 | 25 | 1,991 | 26 | 1,942 | 27 | 1,912 | 27 | 1,891 | 27 | 1,850 | 28 | 1,828 | 28 | 1,785 | 29 |
| | Med | 3.5 | 1,563 | 33 | 1,527 | 34 | 1,490 | 35 | 1,461 | 35 | 1,444 | 36 | 1,423 | 36 | 1,401 | 37 | 1,370 | 38 |
| | Low | 3.0 | 1,165 | 44 | 1,149 | 45 | 1,133 | 46 | 1,122 | 46 | 1,111 | 46 | 1,089 | 47 | 1,048 | 49 | 994 | 52 |
| GHS8 0905CXB (Med) ² | High | 5.0 | 2,402 | --- | 2,321 | --- | 2,265 | --- | 2,193 | --- | 2,134 | --- | 2,057 | --- | 1,962 | --- | 1,895 | 35 |
| | Med | 4.0 | 1,754 | 38 | 1,718 | 39 | 1,661 | 40 | 1,622 | 41 | 1,581 | 42 | 1,519 | 44 | 1,433 | 46 | 1,387 | 48 |
| | Low | 3.5 | 1,266 | 52 | 1,234 | 54 | 1,177 | 56 | 1,143 | 58 | 1,071 | 62 | 1,024 | 65 | 964 | --- | 878 | --- |

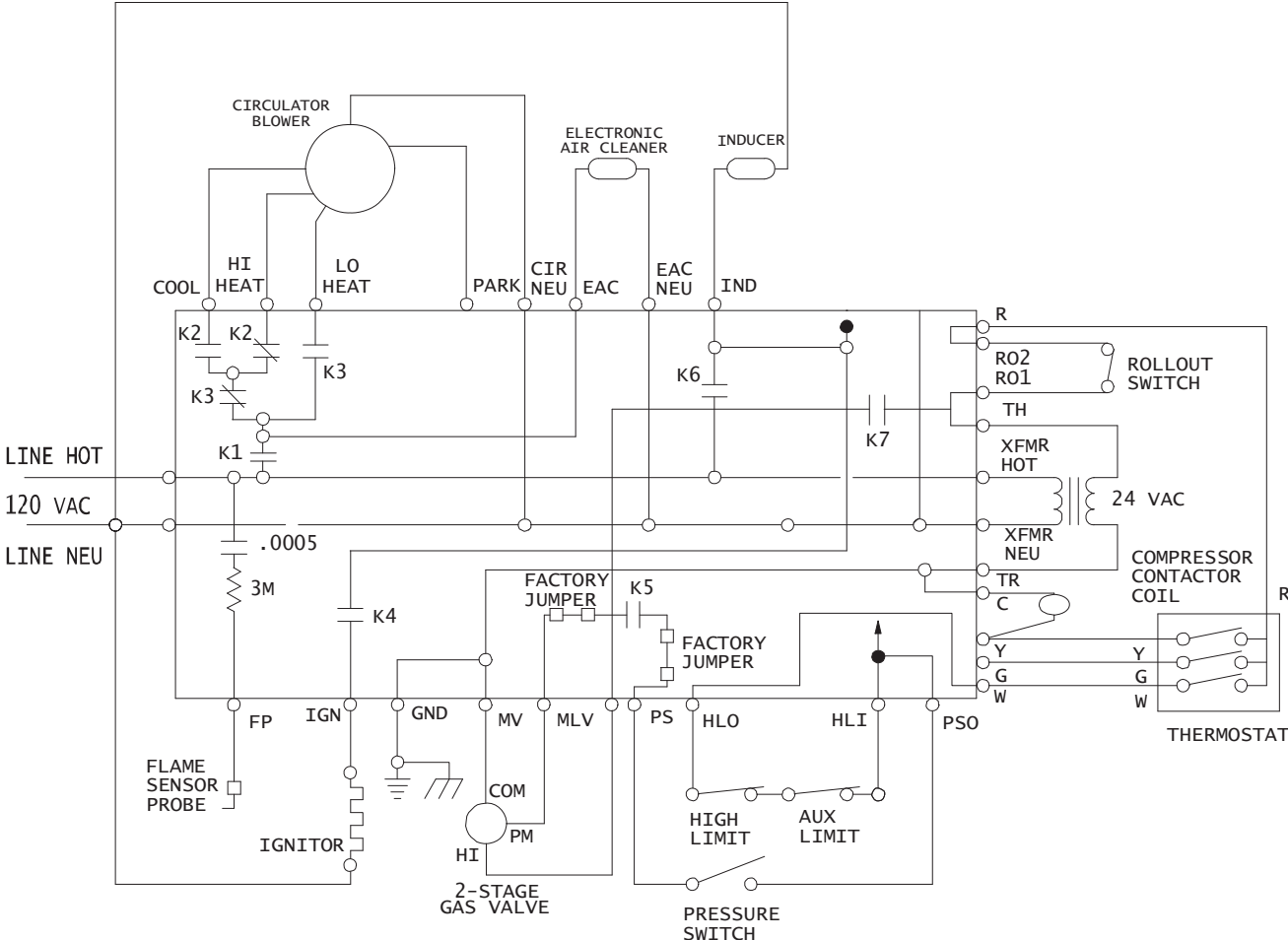
¹ at 0.5" ESP
² Heating speed as shipped
 • See **Notes** on previous page.

BLOWER PERFORMANCE SPECIFICATIONS (CONT.)

BTU OUTPUT vs TEMPERATURE RISE CHART



SCHEMATICS



TYPICAL SCHEMATIC
GMS8* & GHS8* MODEL FURNACES
WR50M56-289 INTEGRATED IGNITION CONTROL

ACCESSORIES

| Model | Description | GMS8 0453ANB* | GMS8 0703ANB* | GMS8 0704BNB* | GMS8 0904BNB* | GMS8 0905CNB* | GMS8 1155CNB* | GMS8 1405DNB* |
|-----------|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| LPT-00A | Propane (LP) Conversion Kit | √ | √ | √ | √ | √ | √ | √ |
| HA02 | High-Altitude Natural Gas Kit | √ | √ | √ | √ | √ | √ | √ |
| AFE18-60A | Fossil Fuel Kit | √ | √ | √ | √ | √ | √ | √ |
| FTK-03A | Twinning Kit | √ | √ | √ | √ | √ | √ | √ |
| | Downflow Sub-base for: | | | | | | | |
| SBT14 | 14" Furnace | | | | | | | |
| SBT17 | 17½" Furnace | | | | | | | |
| SBT21 | 21" Furnace | | | | | | | |

* Low NOx model available.

| Model | Description | GDS8 0453AXB | GDS8 0703AXB | GDS8 0904BXB | GDS8 1155CXB | GHS8 0453AXB | GHS8 0704BXB | GHS8 0905CXB |
|-----------|-------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| LPT-00A | Propane (LP) Conversion Kit | √ | √ | √ | √ | √ | √ | √ |
| HA02 | High-Altitude Natural Gas Kit | √ | √ | √ | √ | √ | √ | √ |
| AFE18-60A | Fossil Fuel Kit | √ | √ | √ | √ | √ | √ | √ |
| FTK-03A | Twinning Kit | √ | √ | √ | √ | √ | √ | √ |
| | Downflow Sub-base for: | | | | | | | |
| SBT14 | 14" Furnace | √ | √ | | | | | |
| SBT17 | 17½" Furnace | | | √ | | | | |
| SBT21 | 21" Furnace | | | | √ | | | |

* Low NOx model available.

THERMOSTATS

| Model | Description |
|----------|--|
| CHT18-60 | Cooling/Heating, Mechanical |
| CH70TG | Cooling/Heating, Digital, Non-programmable |
| CHSATG | Cooling/Heating, Mechanical |
| H20TWR | Heating Only, Mechanical |

