



Air Conditioning & Heating

GR9S96 / GD9S96

HEATING INPUT: 40,000–120,000 BTU/H

**SINGLE-STAGE, MULTI-SPEED
ECM GAS FURNACE
UP TO 96% AFUE**



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R32

Standard Features

- Heavy-duty aluminized-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Single-stage gas valve
- Durable Silicon Nitride igniter
- Quiet single-speed induced draft blower
- Self-diagnostic control board with constant memory fault code history output to a LED
- All models comply with California 40 ng/J Low NOx emissions standard
- Can not be installed in California’s South Coast AirQuality Management District (SCAQMD) and San Joaquin Valley Air Pollution Control District (SJVAPCD).
- AHRI Certified; ETL Listed

Cabinet Features

- Designed for multi-position installation —
GR9S96: upflow, horizontal left or right
GD9S96: downflow, horizontal left or right
- Certified for direct vent (2-pipe) or non-direct vent (1-pipe)
- Easy-to-install top venting with optional side venting —
GR9S96/upflow models only
- Convenient left or right connection for gas and electrical service
- Cabinet air leakage ($Q_{Leak} \leq 2\%$)
- Heavy-gauge steel cabinet with durable finish
- Fully insulated heat exchanger and blower section
- Airtight solid bottom or side return with easy-cut tabs for effortless removal in bottom air-inlet applications

LIFETIME
HEAT EXCHANGER
LIMITED WARRANTY*

10 YEAR
REPLACEMENT
LIMITED WARRANTY*

10 YEAR
PARTS
LIMITED WARRANTY*



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

COMPANY WITH
ENVIRONMENTAL SYSTEM
CERTIFIED BY DNV GL
= ISO 14001 =

* Complete warranty details available from your local dealer or at www.amana-hac.com. To receive the Lifetime Heat Exchanger Limited Warranty (good for as long as you own your home), 10-Year Unit Replacement Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec. The duration of warranty coverage in Texas and Florida differs in some cases.

NOMENCLATURE

| | G | R | 9 | T | 96 | 040 | 4 | C | * | ** | |
|----------------------|--------------------------------|----------|----------|----------|-----------|------------|----------|----------|----------|-----------|---|
| | 1 | 2 | 3 | 4 | 5,6 | 7,8,9 | 10 | 11 | 12 | 13,14 | |
| BRAND | G - Goodman® Brand | | | | | | | | | | ENGINEERING |
| | | | | | | | | | | | Major/Minor Revisions |
| | | | | | | | | | | | A - Initial Release |
| | | | | | | | | | | | B - 1st Revision |
| CONFIGURATION | R - Upflow/Horizontal | | | | | | | | | | NOX |
| | D - Downflow/Horizontal | | | | | | | | | | N = < 40 NG/J NOX |
| MOTOR | 9 - Nine Speed ECM | | | | | | | | | | CABINET WIDTH |
| | | | | | | | | | | | A - 14" C - 21" |
| | | | | | | | | | | | B - 17½" D - 24½" |
| GAS VALVE | T - 2 Stage | | | | | | | | | | MAXIMUM CFM |
| | S - 1 Stage | | | | | | | | | | 3 - 1200 CFM 4 - 1600 CFM |
| | | | | | | | | | | | 5 - 2000 CFM |
| AFUE | 80 - 80% AFUE 92 - 92% AFUE | | | | | | | | | | MBTU/H |
| | 96 - 96% AFUE 97 - 97% AFUE | | | | | | | | | | 030 - 30,000 BTU/h 080 - 80,000 BTU/h |
| | | | | | | | | | | | 040 - 40,000 BTU/h 100 - 100,000 BTU/h |
| | | | | | | | | | | | 060 - 60,000 BTU/h 120 - 120,000 BTU/h |

| | GR9S96 0403AN | GR9S96 0603BN | GR9S96 0803BN | GR9S96 0804CN | GR9S96 0805CN | GR9S96 1005CN | GR9S96 1205DN |
|---|--|------------------------------------|------------------------------------|------------------------------------|---|---|---|
| HEATING DATA | | | | | | | |
| High Fire Input ¹ | 40,000 | 60,000 | 80,000 | 80,000 | 80,000 | 100,000 | 120,000 |
| High Fire Output ¹ | 38,440 | 57,660 | 76,880 | 76,880 | 76,880 | 96,100 | 115,320 |
| AFUE ² | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| Temperature Rise Range (°F) | 25-55 | 35-65 | 35-65 | 25-55 | 25-55 | 30-60 | 35-65 |
| Vent Diameter ³ | 2" - 3" | 2" - 3" | 2" - 3" | 2" - 3" | 2" - 3" | 2" - 3" | 3" |
| No. of Burners | 2 | 3 | 4 | 4 | 4 | 5 | 6 |
| CIRCULATOR BLOWER | | | | | | | |
| Available AC @ 0.5" ESP | 1.5 - 3 | 1.5 - 3 | 1.5 - 3 | 1.5 - 4 | 3 - 5 | 3 - 5 | 3 - 5 |
| Size (D x W) | 11" x 6" | 11" x 8" | 11" x 8" | 11" x 10" | 11" x 10" | 11" x 10" | 11" x 11" |
| Horsepower @ 1075 RPM | 1/2 | 1/2 | 1/2 | 3/4 | 1 | 1 | 1 |
| Speed | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FILTER SIZE (IN²) (QTY) | (1) 16 X 25 (side) or (1) 14 X 25 (bottom) | (1) 16 X 25 (side or bottom) | (1) 16 X 25 (side or bottom) | (1) 16 X 25 (side or bottom) | (1) 20 x 25 (bottom) or (2) 16 x 25 (side) | (1) 20 x 25 (bottom) or (2) 16 x 25 (side) | (1) 20 x 25 (bottom) or (2) 16 x 25 (side) |
| ELECTRICAL DATA | | | | | | | |
| Min. Circuit Ampacity ⁴ | 9.7 | 10.1 | 10.1 | 13.7 | 16.7 | 16.7 | 16.7 |
| Max. Overcurrent Device (amps) ⁵ | 15 | 15 | 15 | 20 | 25 | 25 | 25 |
| SHIPPING WEIGHT (LBS) | 108 | 118 | 118 | 141 | 142 | 144 | 156 |

¹ Natural Gas BTU/h; for altitudes 0-4500' above sea level, reduce input rating by 4% for each 1000' above 4500' altitude

² DOE AFUE based upon Isolated Combustion System (ICS)

³ Installer must supply one or two PVC pipes: one for combustion air (optional) and one for the flue outlet (required). Vent pipe must be either 2" or 3" in diameter, depending upon furnace input, number of elbows, length of run and installation (1 or 2 pipes). The optional Combustion Air Pipe is dependent on installation/code requirements and must be 2" or 3" diameter PVC.

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 ½" FPT
- Important: Size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes.
- For bottom return: Failure to unfold flanges may reduce airflow by up to 18%. This could result in performance and noise issues.
- For servicing or cleaning, a 24" front clearance is required. Unit connections (electrical, flue and drain) may necessitate greater clearances than the minimum clearances listed above. In all cases, accessibility clearance must take precedence over clearances from the enclosure where accessibility clearances are greater.

| | GD9S96 0403BN | GD9S96 0603BN | GD9S96 0804CN | GD9S96 1005CN | GD9S96 1205DN |
|---|---|---|---|---|---|
| HEATING DATA | | | | | |
| High Fire Input ¹ | 40,000 | 60,000 | 80,000 | 100,000 | 120,000 |
| High Fire Output ¹ | 38,440 | 57,660 | 76,880 | 95,000 | 114,000 |
| AFUE ² | 96 | 96 | 96 | 95 | 95 |
| Temperature Rise Range (°F) | 25-55 | 35-65 | 40-70 | 40-70 | 45-75 |
| Vent Diameter ³ | 2" - 3" | 2" - 3" | 2" - 3" | 2" - 3" | 3" |
| No. of Burners | 2 | 3 | 4 | 5 | 6 |
| CIRCULATOR BLOWER | | | | | |
| Available AC @ 0.5" ESP | 1.5 - 3 | 1.5 - 3 | 2.5 - 4 | 3 - 5 | 3 - 5 |
| Size (D x W) | 11" x 8" | 11" x 8" | 11" x 10" | 11" x 10" | 11" x 11" |
| Horsepower @ 1075 RPM | 1/2 | 1/2 | 3/4 | 1 | 1 |
| Speed | 9 | 9 | 9 | 9 | 9 |
| FILTER SIZE (IN²) (QTY) | (2) 10 x 20 or (1) 16 x 25 (top return) | (2) 10 x 20 or (1) 16 x 25 (top return) | (2) 10 x 20 or (1) 16 x 25 (top return) | (1) 14 x 20 (bottom) or (1) 20 x 25 (top return) | (1) 14 x 20 (bottom) or (1) 20 x 25 (top return) |
| ELECTRICAL DATA | | | | | |
| Min. Circuit Ampacity ⁴ | 10.1 | 10.1 | 13.7 | 16.7 | 16.7 |
| Max. Overcurrent Device (amps) ⁵ | 15 | 15 | 20 | 25 | 25 |
| SHIPPING WEIGHT (LBS) | 113 | 116 | 141 | 144 | 156 |

¹ Natural Gas BTU/h; for altitudes 0-4500' above sea level, reduce input rating by 4% for each 1000' above 4500' altitude

² DOE AFUE based upon Isolated Combustion System (ICS)

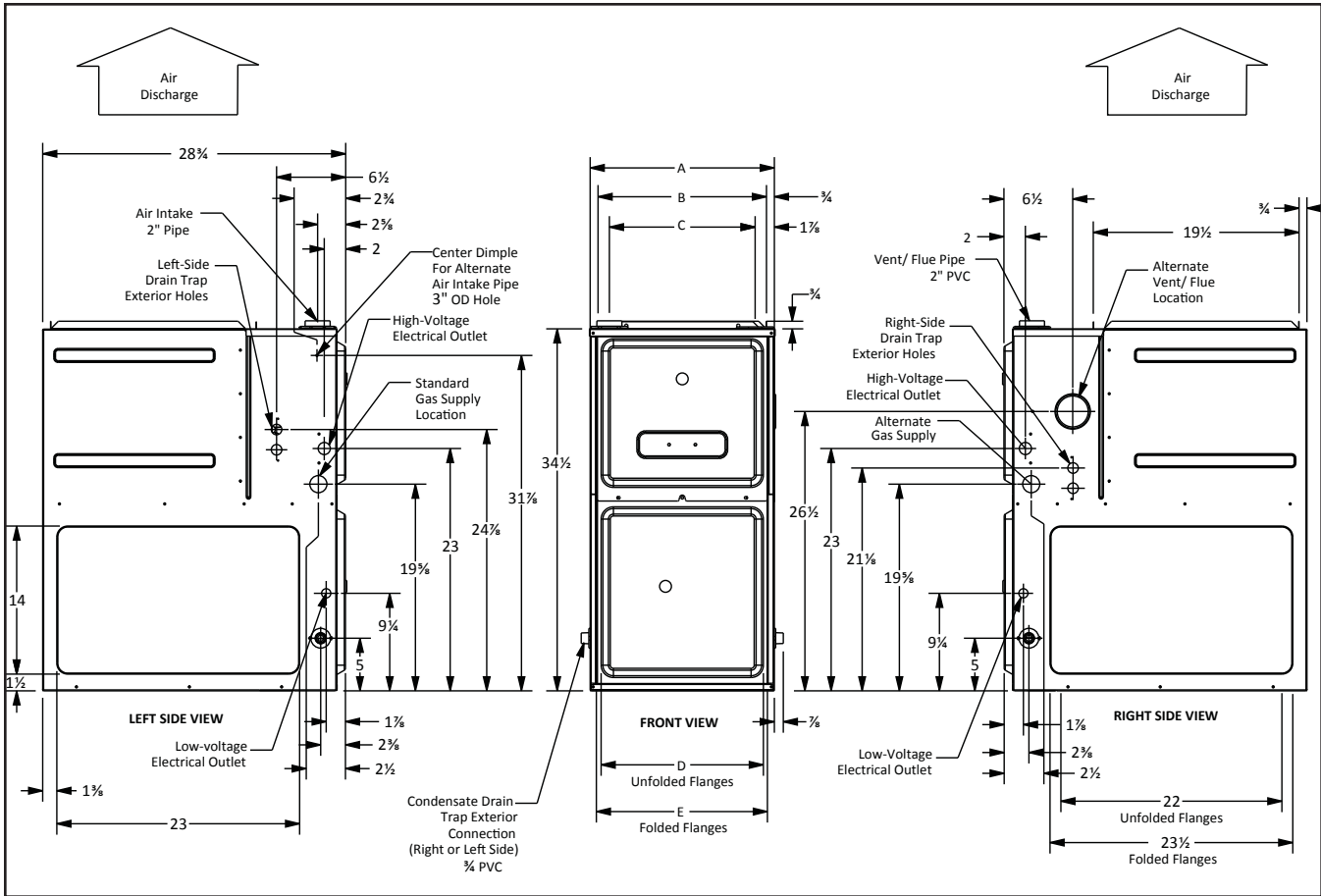
³ Installer must supply one or two PVC pipes: one for combustion air (optional) and one for the flue outlet (required). Vent pipe must be either 2" or 3" in diameter, depending upon furnace input, number of elbows, length of run and installation (1 or 2 pipes). The optional Combustion Air Pipe is dependent on installation/code requirements and must be 2" or 3" diameter PVC.

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 ½" FPT
- Important: Size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes.
- For bottom return: Failure to unfold flanges may reduce airflow by up to 18%. This could result in performance and noise issues.
- For servicing or cleaning, a 24" front clearance is required. Unit connections (electrical, flue and drain) may necessitate greater clearances than the minimum clearances listed above. In all cases, accessibility clearance must take precedence over clearances from the enclosure where accessibility clearances are greater.

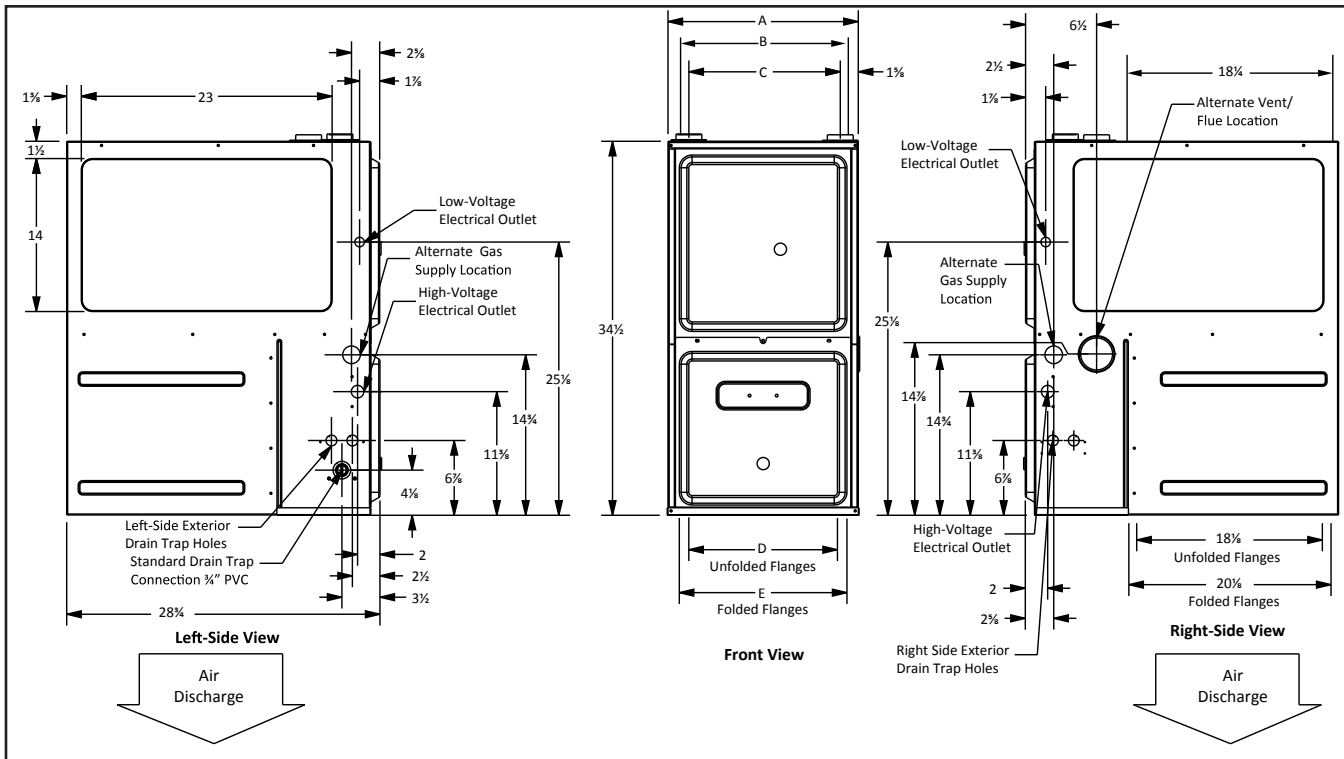


| MODEL | AIR DISCHARGE | | | AIR DISCHARGE | |
|--------------|---------------|------|------|---------------|------|
| | A | B | C | D | E |
| GR9S960403AN | 14" | 12½" | 10½" | 8¾" | 10⅞" |
| GR9S960603BN | 17½" | 16" | 13⅞" | 12¼" | 13⅜" |
| GR9S960803BN | 17½" | 16" | 13⅞" | 12¼" | 13⅜" |
| GR9S960804CN | 21" | 19½" | 17⅞" | 16" | 17½" |
| GR9S960805CN | 21" | 19½" | 17⅞" | 16" | 17½" |
| GR9S961005CN | 21" | 19½" | 17⅞" | 16" | 17½" |
| GR9S961205DN | 24½" | 23" | 20⅞" | 19⅞" | 20⅞" |

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

| POSITION | SIDES | REAR | FRONT | BOTTOM | FLUE | TOP |
|------------|-------|------|--------|--------|------|-----|
| Upflow | 0" | 0" | 1" | C | 0" | 1" |
| Horizontal | 6" | 0" | ALCOVE | C | 0" | 4" |

C = If placed on combustible floor, the floor MUST be wood ONLY.



| MODEL | AIR DISCHARGE | | | AIR DISCHARGE | |
|---------------|---------------|---------|---------|---------------|---------|
| | A | B | C | D | E |
| GD9S960403BN | 17 1/2" | 16" | 13 3/4" | 12 1/8" | 13 3/8" |
| GD9S960603BNA | 17 1/2" | 16" | 13 3/4" | 12 1/8" | 13 3/8" |
| GD9S960804CN | 21" | 19 1/2" | 17 3/4" | 16" | 17 1/2" |
| GD9S961005CN | 21" | 19 1/2" | 17 3/4" | 16" | 17 1/2" |
| GD9S961205DN | 24 1/2" | 23" | 20 3/8" | 19 3/8" | 20 3/8" |

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

| POSITION | SIDES | REAR | FRONT | BOTTOM | FLUE | TOP |
|------------|-------|------|--------|--------|------|-----|
| Downflow | 0" | 0" | 1" | NC | 0" | 1" |
| Horizontal | 6" | 0" | ALCOVE | C | 0" | 4" |

C = If placed on combustible floor, the floor MUST be wood ONLY.

NC = For installation on non-combustible floors only. A combustible floor sub-base must be used for installations on combustible flooring.

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

| MODEL | THERMOSTAT CALL | TAP # | 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 |
| GR9S96 0403A* | W/W1 | F01^^ | 705 | 50 | 661 | 54 | 617 | N/A | 564 | N/A | 509 | N/A | 455 | 405 | 362 |
| | | F02^ | 1079 | 33 | 1055 | 34 | 1027 | 35 | 994 | 36 | 965 | 37 | 935 | 906 | 863 |
| | | F03 | 915 | 39 | 881 | 40 | 846 | 42 | 814 | 44 | 780 | 46 | 737 | 695 | 652 |
| | | F04 | 887 | 40 | 855 | 42 | 823 | 43 | 790 | 45 | 751 | 47 | 705 | 666 | 608 |
| GR9S96 0603B* | W/W1 | F01^^ | 758 | N/A | 696 | N/A | 636 | N/A | 572 | N/A | 512 | N/A | 460 | 412 | 354 |
| | | F02^ | 1218 | 44 | 1178 | 45 | 1140 | 47 | 1100 | 48 | 1060 | 50 | 1016 | 977 | 937 |
| | | F03 | 1164 | 46 | 1123 | 47 | 1084 | 49 | 1042 | 51 | 1003 | 53 | 960 | 920 | 871 |
| | | F04 | 1121 | 48 | 1083 | 49 | 1041 | 51 | 996 | 54 | 953 | 56 | 906 | 861 | 818 |
| GR9S96 0803B* | W/W1 | F01^^ | 715 | N/A | 658 | N/A | 589 | N/A | 524 | N/A | 465 | N/A | 412 | 360 | 279 |
| | | F02^ | 1415 | 50 | 1385 | 51 | 1355 | 52 | 1322 | 54 | 1291 | 55 | 1255 | 1219 | 1186 |
| | | F03 | 1388 | 51 | 1360 | 52 | 1325 | 54 | 1291 | 55 | 1259 | 57 | 1223 | 1191 | 1157 |
| | | F04 | 1290 | 55 | 1252 | 57 | 1215 | 59 | 1182 | 60 | 1143 | 62 | 1107 | 1071 | 1032 |
| GR9S96 0804C* | W/W1 | F01^^ | 1019 | N/A | 952 | N/A | 878 | N/A | 796 | N/A | 706 | N/A | 619 | 542 | 485 |
| | | F02^ | 1791 | 40 | 1743 | 41 | 1700 | 42 | 1663 | 43 | 1626 | 44 | 1583 | 1538 | 1489 |
| | | F03 | 1625 | 44 | 1559 | 46 | 1512 | 47 | 1468 | 48 | 1425 | 50 | 1370 | 1325 | 1271 |
| | | F04 | 1537 | 46 | 1490 | 48 | 1447 | 49 | 1403 | 51 | 1354 | 53 | 1301 | 1247 | 1190 |
| GR9S96 0805C* | W/W1 | F01^^ | 1029 | N/A | 959 | N/A | 890 | N/A | 811 | N/A | 727 | N/A | 647 | 579 | 511 |
| | | F02^ | 1814 | 39 | 1766 | 40 | 1722 | 41 | 1679 | 42 | 1637 | 43 | 1595 | 1555 | 1511 |
| | | F03 | 1893 | 38 | 1844 | 39 | 1803 | 39 | 1763 | 40 | 1723 | 41 | 1685 | 1641 | 1604 |
| | | F04 | 1738 | 41 | 1680 | 42 | 1637 | 43 | 1596 | 45 | 1554 | 46 | 1510 | 1469 | 1420 |
| GR9S96 1005C* | W/W1 | F01^^ | 1008 | N/A | 934 | N/A | 855 | N/A | 779 | N/A | 702 | N/A | 628 | 557 | 493 |
| | | F02^ | 2026 | 44 | 1981 | 45 | 1929 | 46 | 1901 | 47 | 1858 | 48 | 1819 | 1773 | 1733 |
| | | F03 | 1921 | 46 | 1879 | 47 | 1840 | 48 | 1791 | 50 | 1751 | 51 | 1705 | 1656 | 1610 |
| | | F04 | 1804 | 49 | 1755 | 51 | 1710 | 52 | 1664 | 53 | 1619 | 55 | 1574 | 1526 | 1479 |
| GR9S96 1205D* | W/W1 | F01^^ | 1118 | N/A | 1035 | N/A | 952 | N/A | 860 | N/A | 750 | N/A | 663 | 590 | 519 |
| | | F02^ | 2143 | 50 | 2095 | 51 | 2047 | 52 | 2002 | 53 | 1954 | 55 | 1891 | 1850 | 1802 |
| | | F03 | 2025 | 53 | 1977 | 54 | 1930 | 55 | 1897 | 56 | 1848 | 58 | 1798 | 1750 | 1703 |
| | | F04^^ | 1906 | 56 | 1877 | 57 | 1828 | 58 | 1778 | 60 | 1726 | 62 | 1674 | 1622 | 1568 |

GR9S96 COOLING & CIRCULATION AIRFLOW

| MODEL | THERMOSTAT CALL | TAP # | EXTERNAL STATIC PRESSURE (INCHES WATER COLUMN) | | | | | | | | | | | |
|---------------|-----------------|-------|--|------|------|------|------|-------|------|-------|------|-------|------|-------|
| | | | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | | 0.6 | | 0.7 | | 0.8 | |
| | | | CFM | CFM | CFM | CFM | CFM | WATTS | CFM | WATTS | CFM | WATTS | CFM | WATTS |
| GR9S96 0403A* | Y/Y1, Y2, G | F01 | 705 | 661 | 617 | 564 | 509 | 103 | 455 | 108 | 405 | 115 | 362 | 120 |
| | | F02 | 1079 | 1055 | 1027 | 994 | 965 | 256 | 935 | 264 | 906 | 271 | 863 | 277 |
| | | F03 | 915 | 881 | 846 | 814 | 780 | 174 | 737 | 180 | 695 | 186 | 652 | 193 |
| | | F04^ | 887 | 855 | 823 | 790 | 751 | 164 | 705 | 170 | 666 | 176 | 608 | 183 |
| | | F05 | 1135 | 1106 | 1078 | 1049 | 1021 | 281 | 994 | 290 | 965 | 299 | 933 | 306 |
| | | F06 | 1189 | 1163 | 1138 | 1111 | 1085 | 321 | 1059 | 331 | 1032 | 341 | 1001 | 349 |
| | | F07 | 1266 | 1243 | 1218 | 1197 | 1172 | 372 | 1148 | 383 | 1123 | 394 | 1099 | 400 |
| | | F08 | 1313 | 1288 | 1261 | 1239 | 1215 | 403 | 1189 | 412 | 1165 | 422 | 1143 | 432 |
| | | F09 | 1342 | 1324 | 1305 | 1280 | 1263 | 440 | 1239 | 452 | 1216 | 463 | 1193 | 473 |
| GR9S96 0603B* | Y/Y1, Y2, G | F01 | 758 | 696 | 636 | 572 | 512 | 104 | 460 | 110 | 412 | 115 | 354 | 121 |
| | | F02 | 1218 | 1178 | 1140 | 1100 | 1060 | 275 | 1016 | 284 | 977 | 292 | 937 | 299 |
| | | F03 | 1164 | 1123 | 1084 | 1042 | 1003 | 249 | 960 | 258 | 920 | 268 | 871 | 276 |
| | | F04^ | 1121 | 1083 | 1041 | 996 | 953 | 230 | 906 | 236 | 861 | 245 | 818 | 252 |
| | | F05 | 902 | 851 | 801 | 746 | 689 | 145 | 637 | 153 | 585 | 158 | 542 | 164 |
| | | F06 | 960 | 917 | 864 | 812 | 764 | 164 | 708 | 171 | 661 | 179 | 614 | 184 |
| | | F07 | 1273 | 1240 | 1207 | 1171 | 1128 | 309 | 1089 | 318 | 1051 | 327 | 1012 | 336 |
| | | F08 | 1335 | 1301 | 1266 | 1228 | 1192 | 347 | 1154 | 356 | 1118 | 365 | 1078 | 373 |
| | | F09 | 1427 | 1390 | 1362 | 1327 | 1297 | 408 | 1260 | 414 | 1224 | 423 | 1193 | 434 |
| GR9S96 0803B* | Y/Y1, Y2, G | F01 | 715 | 658 | 589 | 524 | 465 | 93 | 412 | 99 | 360 | 104 | 279 | 108 |
| | | F02 | 1415 | 1385 | 1355 | 1322 | 1291 | 394 | 1255 | 403 | 1219 | 407 | 1186 | 417 |
| | | F03 | 1388 | 1360 | 1325 | 1291 | 1259 | 375 | 1223 | 385 | 1191 | 393 | 1157 | 403 |
| | | F04^ | 1290 | 1252 | 1215 | 1182 | 1143 | 311 | 1107 | 319 | 1071 | 329 | 1032 | 337 |
| | | F05 | 916 | 867 | 817 | 767 | 710 | 147 | 657 | 154 | 608 | 159 | 563 | 166 |
| | | F06 | 985 | 940 | 892 | 842 | 797 | 169 | 746 | 176 | 693 | 184 | 649 | 190 |
| | | F07 | 1118 | 1078 | 1037 | 992 | 952 | 222 | 910 | 230 | 863 | 239 | 822 | 247 |
| | | F08 | 1191 | 1153 | 1114 | 1074 | 1034 | 255 | 993 | 264 | 951 | 272 | 911 | 281 |
| | | F09 | 1471 | 1440 | 1409 | 1377 | 1347 | 427 | 1314 | 436 | 1283 | 446 | 1247 | 456 |
| GR9S96 0804C* | Y/Y1, Y2, G | F01 | 1019 | 952 | 878 | 796 | 706 | 138 | 619 | 144 | 542 | 150 | 485 | 157 |
| | | F02 | 1791 | 1743 | 1700 | 1663 | 1626 | 472 | 1583 | 487 | 1538 | 499 | 1489 | 510 |
| | | F03 | 1625 | 1559 | 1512 | 1468 | 1425 | 359 | 1370 | 369 | 1325 | 385 | 1271 | 395 |
| | | F04^ | 1537 | 1490 | 1447 | 1403 | 1354 | 326 | 1301 | 337 | 1247 | 347 | 1190 | 357 |
| | | F05 | 1289 | 1234 | 1180 | 1122 | 1058 | 217 | 991 | 226 | 917 | 234 | 840 | 242 |
| | | F06 | 1431 | 1375 | 1329 | 1283 | 1227 | 276 | 1169 | 285 | 1108 | 295 | 1043 | 304 |
| | | F07 | 1836 | 1784 | 1741 | 1703 | 1664 | 496 | 1628 | 515 | 1585 | 528 | 1537 | 540 |
| | | F08 | 1919 | 1890 | 1846 | 1807 | 1771 | 566 | 1735 | 585 | 1694 | 600 | 1650 | 613 |
| | | F09 | 1952 | 1921 | 1885 | 1843 | 1804 | 590 | 1769 | 611 | 1731 | 629 | 1691 | 643 |
| GR9S96 0805C* | Y/Y1, Y2, G | F01 | 1029 | 959 | 890 | 811 | 727 | 149 | 647 | 157 | 579 | 163 | 511 | 170 |
| | | F02 | 1814 | 1766 | 1722 | 1679 | 1637 | 486 | 1595 | 502 | 1555 | 517 | 1511 | 531 |
| | | F03 | 1893 | 1844 | 1803 | 1763 | 1723 | 541 | 1685 | 556 | 1641 | 569 | 1604 | 588 |
| | | F04^ | 1738 | 1680 | 1637 | 1596 | 1554 | 437 | 1510 | 452 | 1469 | 465 | 1420 | 477 |
| | | F05 | 1193 | 1135 | 1087 | 1016 | 950 | 198 | 880 | 208 | 805 | 217 | 738 | 225 |
| | | F06 | 1421 | 1369 | 1323 | 1272 | 1222 | 283 | 1168 | 295 | 1108 | 306 | 1045 | 318 |
| | | F07 | 1582 | 1536 | 1491 | 1445 | 1404 | 358 | 1358 | 370 | 1309 | 382 | 1255 | 395 |
| | | F08 | 1962 | 1919 | 1889 | 1851 | 1816 | 601 | 1780 | 620 | 1743 | 638 | 1702 | 655 |
| | | F09 | 2068 | 2024 | 1986 | 1947 | 1912 | 692 | 1873 | 709 | 1837 | 726 | 1797 | 744 |

| MODEL | THERMOSTAT CALL | TAP # | EXTERNAL STATIC PRESSURE (INCHES WATER COLUMN) | | | | | | | | | | | |
|--------------|-----------------|-------|--|------|------|------|------|-------|------|-------|------|-------|------|-------|
| | | | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | | 0.6 | | 0.7 | | 0.8 | |
| | | | CFM | CFM | CFM | CFM | CFM | WATTS | CFM | WATTS | CFM | WATTS | CFM | WATTS |
| GR9S961005C* | Y/Y1, Y2, G | F01 | 1008 | 934 | 855 | 779 | 702 | 142 | 628 | 148 | 557 | 155 | 493 | 161 |
| | | F02 | 2026 | 1981 | 1929 | 1901 | 1858 | 659 | 1819 | 677 | 1773 | 685 | 1733 | 701 |
| | | F03 | 1921 | 1879 | 1840 | 1791 | 1751 | 577 | 1705 | 588 | 1656 | 604 | 1610 | 617 |
| | | F04^ | 1804 | 1755 | 1710 | 1664 | 1619 | 490 | 1574 | 502 | 1526 | 514 | 1479 | 524 |
| | | F05 | 1475 | 1421 | 1369 | 1314 | 1260 | 307 | 1207 | 317 | 1152 | 326 | 1097 | 337 |
| | | F06 | 1626 | 1578 | 1522 | 1475 | 1427 | 381 | 1353 | 390 | 1328 | 401 | 1283 | 412 |
| | | F07 | 1693 | 1639 | 1588 | 1542 | 1491 | 422 | 1437 | 432 | 1390 | 442 | 1340 | 453 |
| | | F08 | 1775 | 1723 | 1674 | 1629 | 1580 | 472 | 1529 | 485 | 1484 | 497 | 1435 | 508 |
| | | F09 | 2161 | 2122 | 2084 | 2048 | 2010 | 739 | 1973 | 755 | 1940 | 776 | 1914 | 796 |
| GR9S961205D* | Y/Y1, Y2, G | F01 | 1118 | 1035 | 952 | 860 | 750 | 149 | 663 | 156 | 590 | 165 | 519 | 171 |
| | | F02 | 2143 | 2095 | 2047 | 2002 | 1954 | 619 | 1891 | 632 | 1850 | 647 | 1802 | 663 |
| | | F03 | 2025 | 1977 | 1930 | 1897 | 1848 | 539 | 1798 | 553 | 1750 | 567 | 1703 | 583 |
| | | F04^ | 1906 | 1877 | 1828 | 1778 | 1726 | 474 | 1674 | 487 | 1622 | 501 | 1568 | 515 |
| | | F05 | 1220 | 1145 | 1070 | 995 | 907 | 177 | 811 | 187 | 725 | 194 | 651 | 201 |
| | | F06 | 1684 | 1620 | 1561 | 1499 | 1438 | 345 | 1378 | 358 | 1318 | 371 | 1259 | 383 |
| | | F07 | 1766 | 1712 | 1666 | 1612 | 1558 | 387 | 1506 | 401 | 1450 | 412 | 1395 | 425 |
| | | F08 | 1863 | 1807 | 1754 | 1698 | 1642 | 432 | 1587 | 445 | 1532 | 459 | 1476 | 472 |
| | | F09 | 2454 | 2396 | 2347 | 2296 | 2250 | 889 | 2202 | 905 | 2157 | 922 | 2113 | 941 |

NOTES

- ^ DEFAULT SPEED

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

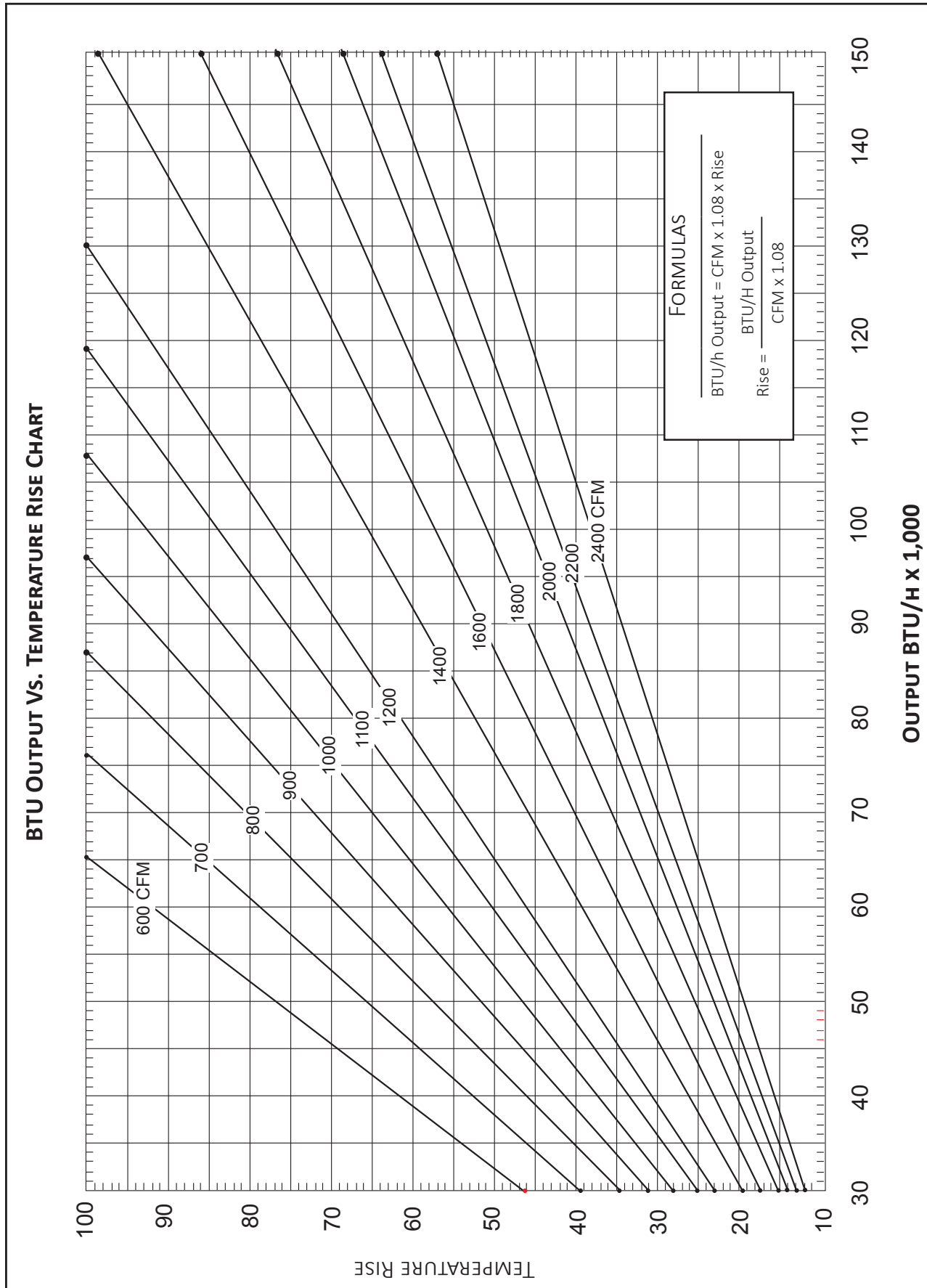
| MODEL | THERMOSTAT CALL | TAP # | EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN) | | | | | | | | | | | | |
|------------------|-----------------|-------|---|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | 0.1 | | 0.2 | | 0.3 | | 0.4 | | 0.5 | | 0.6 | 0.7 | 0.8 |
| | | | CFM | RISE | CFM | RISE | CFM | RISE | CFM | RISE | CFM | RISE | CFM | CFM | CFM |
| GD9S96 0403B* | W/W1 | F01^^ | 632 | N/A | 574 | N/A | 510 | N/A | 448 | N/A | 388 | N/A | 332 | 277 | 234 |
| | | F02^ | 727 | 48 | 677 | 51 | 623 | 54 | 565 | 60 | 510 | 65 | 455 | 403 | 351 |
| | | F03 | 878 | 41 | 839 | 42 | 797 | 45 | 751 | 47 | 701 | 51 | 653 | 607 | 561 |
| | | F04 | 948 | 38 | 910 | 39 | 870 | 41 | 828 | 43 | 785 | 45 | 739 | 693 | 652 |
| GD9S96 0603B* | W/W1 | F01^^ | 771 | N/A | 698 | N/A | 632 | N/A | 560 | N/A | 491 | N/A | 428 | 372 | 307 |
| | | F02^ | 1197 | 45 | 1150 | 46 | 1102 | 48 | 1057 | 50 | 1014 | 53 | 968 | 926 | 877 |
| | | F03 | 1309 | 41 | 1264 | 42 | 1224 | 44 | 1180 | 45 | 1141 | 47 | 1098 | 1058 | 1018 |
| | | F04 | 1138 | 47 | 1091 | 49 | 1043 | 51 | 993 | 54 | 949 | 56 | 901 | 853 | 805 |
| GD9S96 0804C* | W/W1 | F01^^ | 873 | N/A | 778 | N/A | 682 | N/A | 630 | N/A | 578 | N/A | 490 | 419 | 347 |
| | | F02^ | 1442 | 49 | 1386 | 51 | 1335 | 53 | 1280 | 56 | 1221 | 58 | 1157 | 1110 | 1054 |
| | | F03 | 1643 | 43 | 1588 | 45 | 1534 | 46 | 1478 | 48 | 1415 | 50 | 1357 | 1299 | 1246 |
| | | F04 | 1600 | 44 | 1555 | 46 | 1505 | 47 | 1460 | 49 | 1412 | 50 | 1364 | 1309 | 1260 |
| GD9S96 1005C* | W/W1 | F01^^ | 1176 | N/A | 1107 | N/A | 1037 | N/A | 969 | N/A | 891 | N/A | 825 | 753 | 692 |
| | | F02^ | 1773 | 50 | 1721 | 52 | 1671 | 53 | 1621 | 55 | 1571 | 57 | 1521 | 1470 | 1421 |
| | | F03^^ | 1709 | 52 | 1658 | 54 | 1607 | 55 | 1556 | 57 | 1503 | 59 | 1451 | 1399 | 1349 |
| | | F04 | 1651 | 54 | 1597 | 56 | 1542 | 58 | 1491 | 60 | 1437 | 62 | 1384 | 1332 | 1278 |
| GD9S96 1205D* | W/W1 | F01^^ | 1187 | N/A | 1101 | N/A | 1013 | N/A | 931 | N/A | 847 | N/A | 764 | 677 | 604 |
| | | F02^ | 1973 | 54 | 1916 | 56 | 1864 | 57 | 1810 | 59 | 1756 | 61 | 1702 | 1650 | 1590 |
| | | F03 | 1918 | 56 | 1859 | 57 | 1807 | 59 | 1748 | 61 | 1696 | 63 | 1643 | 1591 | 1531 |
| | | F04 | 1835 | 58 | 1776 | 60 | 1720 | 62 | 1657 | 64 | 1602 | 67 | 1544 | 1483 | 1428 |

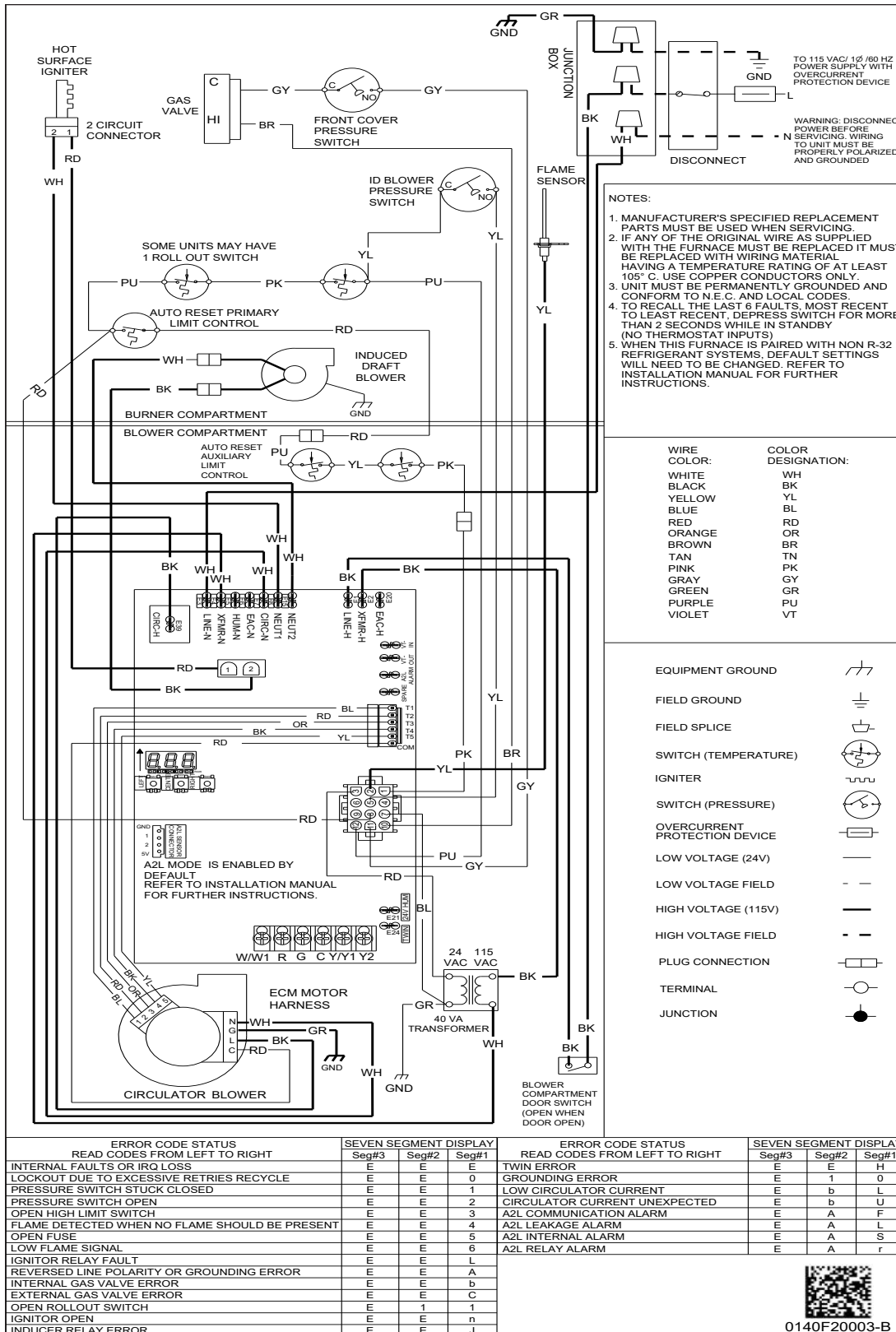
NOTES

- ^ DEFAULT SPEED
- ^^NOT RECOMMENDED FOR HEATING

| MODEL | THERMOSTAT CALL | TAP # | EXTERNAL STATIC PRESSURE (INCHES WATER COLUMN) | | | | | | | | | | | |
|---------------|-----------------|-------|--|------|------|------|------|-------|------|-------|------|-------|------|-------|
| | | | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | | 0.6 | | 0.7 | | 0.8 | |
| | | | CFM | CFM | CFM | CFM | CFM | WATTS | CFM | WATTS | CFM | WATTS | CFM | WATTS |
| GD9S96 0403B* | Y/Y1, Y2, G | F01 | 632 | 574 | 510 | 448 | 388 | 80 | 332 | 85 | 277 | 89 | 234 | 93 |
| | | F02 | 727 | 677 | 623 | 565 | 510 | 101 | 455 | 106 | 403 | 111 | 351 | 116 |
| | | F03 | 878 | 839 | 797 | 751 | 701 | 146 | 653 | 151 | 607 | 157 | 561 | 162 |
| | | F04^ | 948 | 910 | 870 | 828 | 785 | 169 | 739 | 175 | 693 | 181 | 652 | 187 |
| | | F05 | 1106 | 1076 | 1044 | 1010 | 974 | 243 | 939 | 250 | 899 | 256 | 860 | 263 |
| | | F06 | 1156 | 1125 | 1096 | 1063 | 1028 | 268 | 996 | 276 | 960 | 282 | 927 | 290 |
| | | F07 | 1237 | 1205 | 1174 | 1145 | 1115 | 317 | 1081 | 324 | 1050 | 332 | 1016 | 341 |
| | | F08 | 1334 | 1306 | 1275 | 1249 | 1220 | 385 | 1194 | 391 | 1163 | 398 | 1136 | 408 |
| | | F09 | 1382 | 1354 | 1327 | 1302 | 1276 | 418 | 1246 | 424 | 1219 | 432 | 1190 | 439 |
| GD9S96 0603B* | Y/Y1, Y2, G | F01 | 771 | 698 | 632 | 560 | 491 | 104 | 428 | 110 | 372 | 115 | 307 | 119 |
| | | F02 | 1197 | 1150 | 1102 | 1057 | 1014 | 254 | 968 | 262 | 926 | 272 | 877 | 279 |
| | | F03 | 1309 | 1264 | 1224 | 1180 | 1141 | 318 | 1098 | 325 | 1058 | 334 | 1018 | 343 |
| | | F04^ | 1138 | 1091 | 1043 | 993 | 949 | 227 | 901 | 235 | 853 | 243 | 805 | 249 |
| | | F05 | 944 | 884 | 824 | 774 | 716 | 151 | 660 | 158 | 605 | 163 | 554 | 169 |
| | | F06 | 963 | 907 | 852 | 803 | 745 | 160 | 689 | 166 | 639 | 173 | 587 | 179 |
| | | F07 | 1332 | 1289 | 1245 | 1200 | 1160 | 327 | 1120 | 335 | 1081 | 343 | 1036 | 353 |
| | | F08 | 1366 | 1319 | 1277 | 1235 | 1192 | 347 | 1154 | 354 | 1117 | 363 | 1074 | 371 |
| | | F09 | 1468 | 1436 | 1393 | 1359 | 1323 | 418 | 1285 | 427 | 1248 | 436 | 1210 | 445 |
| GD9S96 0804C* | Y/Y1, Y2, G | F01 | 873 | 778 | 682 | 630 | 578 | 90 | 490 | 94 | 419 | 100 | 347 | 105 |
| | | F02 | 1442 | 1386 | 1335 | 1280 | 1221 | 288 | 1157 | 297 | 1110 | 307 | 1054 | 316 |
| | | F03 | 1643 | 1588 | 1534 | 1478 | 1415 | 339 | 1357 | 350 | 1299 | 361 | 1246 | 375 |
| | | F04^ | 1600 | 1555 | 1505 | 1460 | 1412 | 375 | 1364 | 384 | 1309 | 395 | 1260 | 403 |
| | | F05 | 1338 | 1269 | 1206 | 1133 | 1063 | 211 | 999 | 220 | 934 | 229 | 861 | 239 |
| | | F06 | 1796 | 1744 | 1691 | 1638 | 1584 | 430 | 1532 | 441 | 1473 | 453 | 1422 | 462 |
| | | F07 | 1874 | 1823 | 1775 | 1729 | 1675 | 482 | 1621 | 492 | 1567 | 500 | 1512 | 517 |
| | | F08 | 1798 | 1754 | 1719 | 1672 | 1627 | 500 | 1585 | 510 | 1546 | 520 | 1497 | 530 |
| | | F09 | 1991 | 1947 | 1900 | 1854 | 1808 | 573 | 1759 | 585 | 1707 | 592 | 1655 | 606 |
| GD9S96 1005C* | Y/Y1, Y2, G | F01 | 1176 | 1107 | 1037 | 969 | 891 | 184 | 825 | 194 | 753 | 201 | 692 | 207 |
| | | F02 | 1773 | 1721 | 1671 | 1621 | 1571 | 465 | 1521 | 474 | 1470 | 485 | 1421 | 495 |
| | | F03 | 1709 | 1658 | 1607 | 1556 | 1503 | 426 | 1451 | 436 | 1399 | 445 | 1349 | 455 |
| | | F04^ | 1651 | 1597 | 1542 | 1491 | 1437 | 392 | 1384 | 401 | 1332 | 410 | 1278 | 421 |
| | | F05 | 1467 | 1409 | 1352 | 1307 | 1240 | 297 | 1182 | 306 | 1124 | 315 | 1063 | 325 |
| | | F06 | 1834 | 1785 | 1738 | 1691 | 1643 | 513 | 1593 | 522 | 1545 | 532 | 1502 | 543 |
| | | F07 | 1924 | 1881 | 1836 | 1796 | 1750 | 583 | 1701 | 592 | 1652 | 602 | 1606 | 614 |
| | | F08 | 2028 | 1994 | 1937 | 1899 | 1863 | 683 | 1814 | 690 | 1769 | 702 | 1724 | 713 |
| | | F09 | 2193 | 2145 | 2106 | 2076 | 2032 | 844 | 1998 | 852 | 1945 | 862 | 1903 | 874 |
| GD9S96 1205D* | Y/Y1, Y2, G | F01 | 1187 | 1101 | 1013 | 931 | 847 | 165 | 764 | 174 | 677 | 180 | 604 | 186 |
| | | F02 | 1973 | 1916 | 1864 | 1810 | 1756 | 502 | 1702 | 513 | 1650 | 525 | 1590 | 536 |
| | | F03 | 1918 | 1859 | 1807 | 1748 | 1696 | 463 | 1643 | 476 | 1591 | 486 | 1531 | 497 |
| | | F04^ | 1835 | 1776 | 1720 | 1657 | 1602 | 414 | 1544 | 425 | 1483 | 436 | 1428 | 447 |
| | | F05 | 1236 | 1152 | 1073 | 990 | 919 | 181 | 834 | 190 | 749 | 198 | 679 | 204 |
| | | F06 | 1521 | 1459 | 1391 | 1327 | 1253 | 271 | 1187 | 281 | 1116 | 291 | 1053 | 302 |
| | | F07 | 1673 | 1609 | 1549 | 1493 | 1430 | 345 | 1362 | 354 | 1305 | 365 | 1242 | 375 |
| | | F08 | 2033 | 1981 | 1929 | 1878 | 1822 | 541 | 1771 | 553 | 1716 | 565 | 1669 | 578 |
| | | F09 | 2257 | 2201 | 2151 | 2099 | 2057 | 704 | 2008 | 719 | 1959 | 732 | 1906 | 742 |

NOTES
 • ^ DEFAULT SPEED





ACCESSORIES

| MODEL | DESCRIPTION | GR9S96 0403ANA | GR9S96 0603BNA | GR9S96 0803BNA | GR9S96 0804CNA | GR9S96 0805CNA | GR9S96 1005CNA | GR9S96 1205DNA |
|-------------|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 72950 | Concentric Vent Kit (2") | √ | √ | √ | √ | √ | √ | — |
| 72951 | Concentric Vent Kit (3") | √ | √ | √ | √ | √ | √ | √ |
| RF000142 | Drain Kit Horizontal Left Vertical Flue | √ | √ | √ | √ | √ | √ | √ |
| EFR02 | External Filter Rack with 16"x25" Permanent Filter | √ | √ | √ | √ | — | — | — |
| 0170K00000S | Flush Mount Vent Kit - 3" or 2" | √ | √ | √ | √ | √ | √ | √ |
| 0170K00001S | Flush Mount Vent Kit - 2" | √ | √ | √ | √ | √ | √ | — |
| AFE18-60A | Fossil Fuel (Dual Fuel) Kit | √ | √ | √ | √ | √ | √ | √ |
| HASFK | High-Altitude Natural Gas Kit | TBD | HASFK-4 | HASFK-4 | HASFK-4 | HASFK-4 | HASFK-4 | HASFK-4 |
| HASFK | High-Altitude LP Gas Kit | TBD | HASFK-6 | HASFK-6 | HASFK-6 | HASFK-5 | HASFK-5 | HASFK-5 |
| 0270F05404 | Horizontal Drain Tubing Kit | √ | √ | √ | √ | √ | √ | √ |
| LPM-33 | LP Conversion Kits | √ | √ | √ | √ | √ | √ | √ |

| MODEL | DESCRIPTION | GD9S96 0403BNA | GD9S96 0603BNA | GD9S96 0804CNA | GD9S96 1005CNA | GD9S96 1205DNA |
|-------------|--|-------------------|-------------------|-------------------|-------------------|-------------------|
| 72950 | Concentric Vent Kit (2") | √ | √ | √ | √ | — |
| 72951 | Concentric Vent Kit (3") | √ | √ | √ | √ | √ |
| CFSB17 | Downflow Sub-Base 17.5" | √ | √ | — | — | — |
| CFSB21 | Downflow Sub-Base 21" | — | — | √ | √ | — |
| CFSB24 | Downflow Sub-Base 24" | — | — | — | — | √ |
| RF000142 | Drain Kit Horizontal Left Vertical Flue | √ | √ | √ | √ | √ |
| EFR02 | External Filter Rack with 16"x25" Permanent Filter | √ | √ | √ | — | — |
| 0170K00000S | Flush Mount Vent Kit - 3" or 2" | √ | √ | √ | √ | √ |
| 0170K00001S | Flush Mount Vent Kit - 2" | √ | √ | √ | √ | √ |
| AFE18-60A | Fossil Fuel (Dual Fuel) Kit | √ | √ | √ | √ | √ |
| HASFK | High-Altitude Natural Gas Kit | HASFK-4 | HASFK-4 | HASFK-4 | HASFK-4 | HASFK-4 |
| HASFK | High-Altitude LP Gas Kit | HASFK-5 | HASFK-5 | HASFK-5 | HASFK-4 | HASFK-4 |
| 0270F05405 | Horizontal Drain Tubing Kit | √ | √ | √ | √ | √ |
| LPM-33 | LP Conversion Kits | √ | √ | √ | √ | √ |

