

# 80G2E(L)K

## PRODUCT SPECIFICATIONS

## 80% TWO-STAGE CONSTANT TORQUE GAS FURNACES

FORM NO. 80G2E(L)K-100 (08/2026)



### CONFIGURATIONS

- Upflow / Horizontal
- Downflow

### HEAT EXCHANGER DESIGN

- Aluminized steel primary heat exchanger with crimped non-welded construction

### BURNERS

- Aluminized steel in shot burners for smooth ignition

### CABINET CONSTRUCTION

- Compact 33" height
- Standardized widths for easy coil fit
- Heat exchanger compartment is insulated to increase efficiency and reduce sound levels
- Baked on prepainted steel cabinet finish

### CONSTANT TORQUE ECM

- Efficient blower motor
- Easily removable slide-out blower design
- Dynamically balanced blower wheel with resilient motor mounts for smooth and quiet operation

### CONTROLS

- Two stage gas valve
- Integrated ignition and fan control
- Self diagnostics saving last 10 fault codes regardless of power interruption
- Hot surface ignition system uses silicon nitride ignitor
- Control features 120 volt electronic air cleaner and humidifier terminals
- Control circuit is fuse protected
- Color coded control wiring
- Compatible with single or two stage thermostats for heating. Two stage thermostat is recommended when installed with two stage cooling unit.

### VENTING

- 2-speed induced draft motor with stainless steel shaft, steel ball bearings, and fan cooled for long life

### INSTALLATION FEATURES

- Left or right gas and electric entry
- Zero step horizontal conversion
- Removable floor base (upflow/horizontal units) for bottom return air

### WARRANTY

10 year limited parts warranty / lifetime heat exchanger warranty available. See limited warranty document for details.

#### California Only

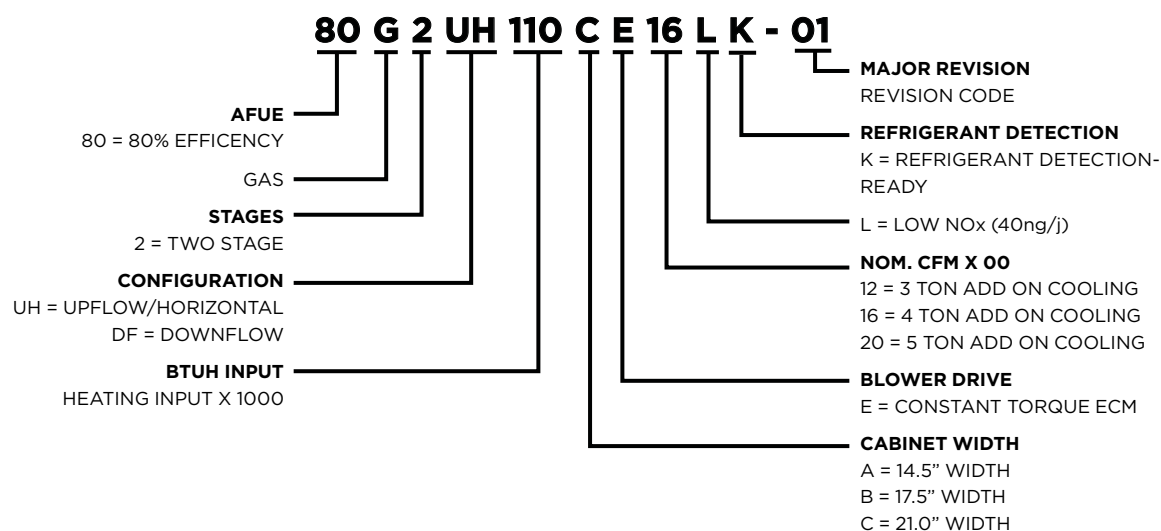
If installed in South Coast Air Quality Management District (SCAQMD) only:  
This furnace is not eligible for the Clean Air Furnace Rebate Program: [www.CleanAirFurnaceRebate.com](http://www.CleanAirFurnaceRebate.com).

This furnace does not meet the SCAQMD Rule 1111 NOx emission limit (14 ng/J).

If installed in San Joaquin Valley Air Pollution Control District (SJVAPCD) only:  
This furnace does not meet the SJVAPCD Rule 4905 NOx emission limit (14 ng/J).



## MODEL NUMBER GUIDE



## PHYSICAL AND ELECTRICAL DATA

|                     | Model                             | High Fire    |               | Low Fire     |               | AFUE (ICUS) | Nom. Cooling Capacity (tons) | Gas Inlet (in.) | Volts/Hz/Phase | Max. Overcurrent Protection | Nominal F.L.A. | Trans. (V.A.) | Motor Output (hp) | Approx. Weight (lbs.) |
|---------------------|-----------------------------------|--------------|---------------|--------------|---------------|-------------|------------------------------|-----------------|----------------|-----------------------------|----------------|---------------|-------------------|-----------------------|
|                     |                                   | Input (Btuh) | Output (Btuh) | Input (Btuh) | Output (Btuh) |             |                              |                 |                |                             |                |               |                   |                       |
| UPFLOW / HORIZONTAL | 80G2UH045AE12K                    | 44,000       | 35,000        | 29,000       | 23,000        | 80.0        | 3                            | 1/2             | 120-60-1       | 15                          | 6.1            | 40            | 1/2               | 111                   |
|                     | 80G2UH070AE12K<br>80G2UH070AE12LK | 66,000       | 54,000        | 43,000       | 35,000        | 80.0        | 3                            | 1/2             | 120-60-1       | 15                          | 6.1            | 40            | 1/2               | 121                   |
|                     | 80G2UH090BE12K                    | 88,000       | 71,000        | 57,000       | 47,000        | 80.0        | 3                            | 1/2             | 120-60-1       | 15                          | 6.1            | 40            | 1/2               | 136                   |
|                     | 80G2UH090BE16K<br>80G2UH090BE16LK | 88,000       | 72,000        | 57,000       | 46,000        | 80.0        | 4                            | 1/2             | 120-60-1       | 15                          | 8.2            | 40            | 3/4               | 140                   |
|                     | 80G2UH110CE16K                    | 110,000      | 89,000        | 72,000       | 58,000        | 80.0        | 4                            | 1/2             | 120-60-1       | 15                          | 8.2            | 40            | 3/4               | 152                   |
|                     | 80G2UH110CE20K<br>80G2UH110CE20LK | 110,000      | 88,000        | 72,000       | 59,000        | 80.0        | 5                            | 1/2             | 120-60-1       | 15                          | 10.0           | 40            | 1                 | 156                   |
| DOWNFLOW            | 80G2DF070AE12K                    | 66,000       | 52,000        | 43,000       | 35,000        | 80.0        | 3                            | 1/2             | 120-60-1       | 15                          | 6.1            | 40            | 1/2               | 123                   |
|                     | 80G2DF090BE16K                    | 88,000       | 69,000        | 57,000       | 46,000        | 80.0        | 4                            | 1/2             | 120-60-1       | 15                          | 8.2            | 40            | 3/4               | 142                   |

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

Note: Filters and provisions for mounting are not furnished and must be field provided.

**BLOWER PERFORMANCE DATA - UPFLOW / HORIZONTAL****80G2UH045AE12K**

| External Static Pressure in. w.g. | Air Volume / Watts at Various Blower Speeds |       |                     |       |               |       |                     |       |           |       |
|-----------------------------------|---------------------------------------------|-------|---------------------|-------|---------------|-------|---------------------|-------|-----------|-------|
|                                   | High (Black)                                |       | Medium-High (Brown) |       | Medium (Blue) |       | Medium-Low (Yellow) |       | Low (Red) |       |
|                                   | cfm                                         | Watts | cfm                 | Watts | cfm           | Watts | cfm                 | Watts | cfm       | Watts |
| 0.10                              | 1436                                        | 310   | 1199                | 175   | 1022          | 113   | 875                 | 79    | 875       | 82    |
| 0.20                              | 1431                                        | 315   | 1166                | 183   | 987           | 120   | 747                 | 68    | 714       | 62    |
| 0.30                              | 1413                                        | 324   | 1138                | 192   | 938           | 129   | 696                 | 76    | 514       | 49    |
| 0.40                              | 1378                                        | 337   | 1104                | 199   | 905           | 137   | 640                 | 81    | 448       | 55    |
| 0.50                              | 1350                                        | 345   | 1070                | 206   | 858           | 146   | 588                 | 87    | 367       | 60    |
| 0.60                              | 1321                                        | 357   | 1031                | 215   | 824           | 152   | 533                 | 93    | 311       | 65    |
| 0.70                              | 1292                                        | 366   | 993                 | 226   | 773           | 159   | 488                 | 98    | 272       | 69    |
| 0.80                              | 1267                                        | 378   | 969                 | 233   | 737           | 165   | 426                 | 104   | 232       | 73    |
| 0.90                              | 1239                                        | 385   | 926                 | 243   | 691           | 173   | 382                 | 108   | N/A       | N/A   |
| 1.00                              | 1210                                        | 394   | 891                 | 250   | 649           | 179   | N/A                 | N/A   | N/A       | N/A   |

**80G2UH070AE12K / 80G2UH070AE12LK**

| External Static Pressure in. w.g. | Air Volume / Watts at Various Blower Speeds |       |                     |       |               |       |                     |       |           |       |
|-----------------------------------|---------------------------------------------|-------|---------------------|-------|---------------|-------|---------------------|-------|-----------|-------|
|                                   | High (Black)                                |       | Medium-High (Brown) |       | Medium (Blue) |       | Medium-Low (Yellow) |       | Low (Red) |       |
|                                   | cfm                                         | Watts | cfm                 | Watts | cfm           | Watts | cfm                 | Watts | cfm       | Watts |
| 0.10                              | 1425                                        | 314   | 1300                | 247   | 1163          | 177   | 922                 | 102   | 801       | 75    |
| 0.20                              | 1391                                        | 326   | 1275                | 253   | 1126          | 189   | 877                 | 108   | 725       | 71    |
| 0.30                              | 1369                                        | 336   | 1245                | 266   | 1099          | 196   | 840                 | 115   | 673       | 77    |
| 0.40                              | 1335                                        | 348   | 1217                | 271   | 1059          | 205   | 796                 | 122   | 625       | 85    |
| 0.50                              | 1312                                        | 355   | 1183                | 284   | 1029          | 216   | 761                 | 128   | 580       | 87    |
| 0.60                              | 1282                                        | 366   | 1156                | 292   | 995           | 223   | 718                 | 137   | 530       | 95    |
| 0.70                              | 1255                                        | 378   | 1123                | 303   | 959           | 231   | 680                 | 144   | 482       | 99    |
| 0.80                              | 1227                                        | 386   | 1094                | 309   | 929           | 240   | 638                 | 149   | 429       | 107   |
| 0.90                              | 1196                                        | 397   | 1065                | 321   | 902           | 247   | 605                 | 157   | 371       | 111   |
| 1.00                              | 1170                                        | 405   | 1034                | 328   | 865           | 254   | 570                 | 165   | N/A       | N/A   |

**80G2UH090BE12K**

| External Static Pressure in. w.g. | Air Volume / Watts at Various Blower Speeds |       |                     |       |               |       |                     |       |           |       |
|-----------------------------------|---------------------------------------------|-------|---------------------|-------|---------------|-------|---------------------|-------|-----------|-------|
|                                   | High (Black)                                |       | Medium-High (Brown) |       | Medium (Blue) |       | Medium-Low (Yellow) |       | Low (Red) |       |
|                                   | cfm                                         | Watts | cfm                 | Watts | cfm           | Watts | cfm                 | Watts | cfm       | Watts |
| 0.10                              | 1524                                        | 300   | 1418                | 231   | 1260          | 167   | 1012                | 95    | 973       | 86    |
| 0.20                              | 1495                                        | 311   | 1374                | 243   | 1220          | 182   | 965                 | 102   | 777       | 67    |
| 0.30                              | 1460                                        | 322   | 1323                | 254   | 1183          | 188   | 908                 | 110   | 709       | 73    |
| 0.40                              | 1424                                        | 334   | 1297                | 263   | 1129          | 200   | 853                 | 115   | 650       | 82    |
| 0.50                              | 1390                                        | 343   | 1259                | 274   | 1100          | 205   | 802                 | 128   | 575       | 87    |
| 0.60                              | 1358                                        | 357   | 1227                | 283   | 1064          | 213   | 736                 | 132   | 517       | 96    |
| 0.70                              | 1329                                        | 364   | 1185                | 294   | 1013          | 223   | 684                 | 138   | 437       | 100   |
| 0.80                              | 1289                                        | 376   | 1144                | 305   | 968           | 232   | 639                 | 147   | 380       | 105   |
| 0.90                              | 1246                                        | 385   | 1108                | 311   | 929           | 238   | 572                 | 152   | 344       | 108   |
| 1.00                              | 1215                                        | 396   | 1059                | 323   | 881           | 250   | 510                 | 158   | N/A       | N/A   |

**80G2UH090BE16K / 80G2UH090BE16LK**

| External Static Pressure<br>in. w.g. | Air Volume / Watts at Various Blower Speeds |       |                     |       |               |       |                     |       |           |       |
|--------------------------------------|---------------------------------------------|-------|---------------------|-------|---------------|-------|---------------------|-------|-----------|-------|
|                                      | High (Black)                                |       | Medium-High (Brown) |       | Medium (Blue) |       | Medium-Low (Yellow) |       | Low (Red) |       |
|                                      | cfm                                         | Watts | cfm                 | Watts | cfm           | Watts | cfm                 | Watts | cfm       | Watts |
| 0.10                                 | 1743                                        | 383   | 1538                | 269   | 1419          | 213   | 1321                | 187   | 1213      | 141   |
| 0.20                                 | 1718                                        | 395   | 1509                | 279   | 1379          | 228   | 1292                | 195   | 1161      | 155   |
| 0.30                                 | 1681                                        | 412   | 1466                | 293   | 1344          | 237   | 1245                | 207   | 1113      | 164   |
| 0.40                                 | 1661                                        | 423   | 1434                | 307   | 1298          | 247   | 1198                | 217   | 1059      | 172   |
| 0.50                                 | 1619                                        | 435   | 1396                | 317   | 1259          | 258   | 1155                | 227   | 1017      | 178   |
| 0.60                                 | 1592                                        | 449   | 1357                | 328   | 1210          | 270   | 1106                | 235   | 968       | 188   |
| 0.70                                 | 1554                                        | 460   | 1313                | 339   | 1176          | 279   | 1056                | 244   | 924       | 198   |
| 0.80                                 | 1520                                        | 472   | 1274                | 348   | 1131          | 289   | 1019                | 254   | 873       | 205   |
| 0.90                                 | 1457                                        | 477   | 1239                | 357   | 1097          | 295   | 977                 | 263   | 821       | 214   |
| 1.00                                 | 1291                                        | 429   | 1195                | 369   | 1055          | 306   | 936                 | 271   | 738       | 224   |

**80G2UH110CE16K**

| External Static Pressure<br>in. w.g. | Air Volume / Watts at Various Blower Speeds |       |                     |       |               |       |                     |       |           |       |
|--------------------------------------|---------------------------------------------|-------|---------------------|-------|---------------|-------|---------------------|-------|-----------|-------|
|                                      | High (Black)                                |       | Medium-High (Brown) |       | Medium (Blue) |       | Medium-Low (Yellow) |       | Low (Red) |       |
|                                      | cfm                                         | Watts | cfm                 | Watts | cfm           | Watts | cfm                 | Watts | cfm       | Watts |
| 0.10                                 | 1788                                        | 355   | 1586                | 250   | 1450          | 199   | 1365                | 166   | 1241      | 134   |
| 0.20                                 | 1747                                        | 371   | 1543                | 259   | 1407          | 210   | 1313                | 182   | 1188      | 139   |
| 0.30                                 | 1714                                        | 384   | 1501                | 273   | 1369          | 219   | 1280                | 189   | 1141      | 149   |
| 0.40                                 | 1681                                        | 395   | 1458                | 286   | 1323          | 231   | 1229                | 197   | 1088      | 162   |
| 0.50                                 | 1638                                        | 409   | 1421                | 296   | 1271          | 240   | 1174                | 209   | 1032      | 172   |
| 0.60                                 | 1604                                        | 423   | 1379                | 308   | 1227          | 251   | 1131                | 218   | 981       | 178   |
| 0.70                                 | 1569                                        | 432   | 1328                | 316   | 1191          | 259   | 1083                | 229   | 926       | 189   |
| 0.80                                 | 1533                                        | 447   | 1285                | 326   | 1138          | 268   | 1040                | 236   | 871       | 197   |
| 0.90                                 | 1489                                        | 459   | 1245                | 338   | 1089          | 283   | 974                 | 249   | 828       | 206   |
| 1.00                                 | 1455                                        | 472   | 1208                | 348   | 1045          | 294   | 934                 | 255   | 763       | 215   |

**80G2UH110CE20K / 80G2UH110CE20LK**

| External Static Pressure<br>in. w.g. | Air Volume / Watts at Different Blower Speeds                                              |       |                        |       |                  |       |                        |       |              |       |                 |            |                                                                                                                                                                                                                          |            |                  |            |                        |       |              |       |     |       |
|--------------------------------------|--------------------------------------------------------------------------------------------|-------|------------------------|-------|------------------|-------|------------------------|-------|--------------|-------|-----------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|------------|------------------------|-------|--------------|-------|-----|-------|
|                                      | Bottom Return Air, Side Return Air from Both Sides or Return Air from Bottom and One Side. |       |                        |       |                  |       |                        |       |              |       |                 |            | Single Side Return Air - Air volumes in <b>bold</b> (over 1800 cfm) require Optional Return Air Base and field fabricated transition to accommodate 20 x 25 x 1 in. air filter in order to maintain proper air velocity. |            |                  |            |                        |       |              |       |     |       |
|                                      | High<br>(Black)                                                                            |       | Medium-High<br>(Brown) |       | Medium<br>(Blue) |       | Medium-Low<br>(Yellow) |       | Low<br>(Red) |       | High<br>(Black) |            | Medium-High<br>(Brown)                                                                                                                                                                                                   |            | Medium<br>(Blue) |            | Medium-Low<br>(Yellow) |       | Low<br>(Red) |       |     |       |
|                                      | cfm                                                                                        | Watts | cfm                    | Watts | cfm              | Watts | cfm                    | Watts | cfm          | Watts | cfm             | Watts      | cfm                                                                                                                                                                                                                      | Watts      | cfm              | Watts      | cfm                    | Watts | cfm          | Watts | cfm | Watts |
| 0.10                                 | 2196                                                                                       | 614   | 1954                   | 430   | 1794             | 337   | 1674                   | 282   | 1499         | 204   | <b>2164</b>     | <b>611</b> | <b>1911</b>                                                                                                                                                                                                              | <b>430</b> | <b>1762</b>      | <b>336</b> | 1647                   | 279   | 1473         | 201   |     |       |
| 0.20                                 | 2151                                                                                       | 632   | 1919                   | 446   | 1768             | 347   | 1634                   | 292   | 1454         | 214   | <b>2126</b>     | <b>631</b> | <b>1876</b>                                                                                                                                                                                                              | <b>444</b> | 1718             | 350        | 1608                   | 294   | 1424         | 212   |     |       |
| 0.30                                 | 2115                                                                                       | 645   | 1879                   | 461   | 1706             | 364   | 1592                   | 303   | 1402         | 227   | <b>2092</b>     | <b>646</b> | <b>1839</b>                                                                                                                                                                                                              | <b>458</b> | 1673             | 361        | 1563                   | 306   | 1373         | 226   |     |       |
| 0.40                                 | 2084                                                                                       | 662   | 1845                   | 477   | 1670             | 377   | 1555                   | 318   | 1357         | 238   | <b>2055</b>     | <b>662</b> | <b>1800</b>                                                                                                                                                                                                              | <b>474</b> | 1638             | 374        | 1520                   | 317   | 1324         | 237   |     |       |
| 0.50                                 | 2062                                                                                       | 678   | 1799                   | 491   | 1624             | 390   | 1507                   | 328   | 1309         | 249   | <b>2016</b>     | <b>678</b> | 1764                                                                                                                                                                                                                     | 488        | 1594             | 388        | 1477                   | 328   | 1275         | 247   |     |       |
| 0.60                                 | 2016                                                                                       | 693   | 1763                   | 502   | 1584             | 402   | 1464                   | 342   | 1255         | 261   | <b>1986</b>     | <b>691</b> | 1727                                                                                                                                                                                                                     | 501        | 1556             | 401        | 1440                   | 339   | 1230         | 259   |     |       |
| 0.70                                 | 1991                                                                                       | 705   | 1728                   | 519   | 1547             | 413   | 1428                   | 355   | 1208         | 269   | <b>1967</b>     | <b>705</b> | 1684                                                                                                                                                                                                                     | 515        | 1521             | 411        | 1394                   | 352   | 1172         | 270   |     |       |
| 0.80                                 | 1950                                                                                       | 724   | 1684                   | 531   | 1492             | 426   | 1374                   | 366   | 1156         | 281   | <b>1916</b>     | <b>720</b> | 1656                                                                                                                                                                                                                     | 526        | 1480             | 425        | 1350                   | 364   | 1141         | 278   |     |       |
| 0.90                                 | 1912                                                                                       | 733   | 1651                   | 543   | 1460             | 439   | 1322                   | 376   | 1105         | 292   | <b>1895</b>     | <b>734</b> | 1618                                                                                                                                                                                                                     | 538        | 1440             | 437        | 1310                   | 376   | 1092         | 290   |     |       |
| 1.00                                 | 1876                                                                                       | 753   | 1605                   | 557   | 1426             | 450   | 1291                   | 389   | 1038         | 303   | <b>1845</b>     | <b>752</b> | 1577                                                                                                                                                                                                                     | 553        | 1396             | 450        | 1267                   | 389   | 1046         | 301   |     |       |

**BLOWER PERFORMANCE DATA - DOWNFLOW****80G2DF070AE12K**

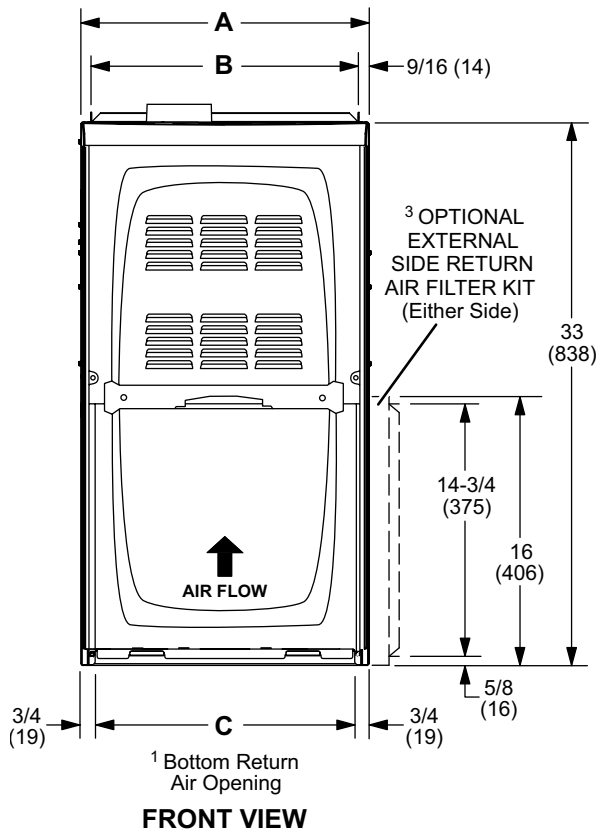
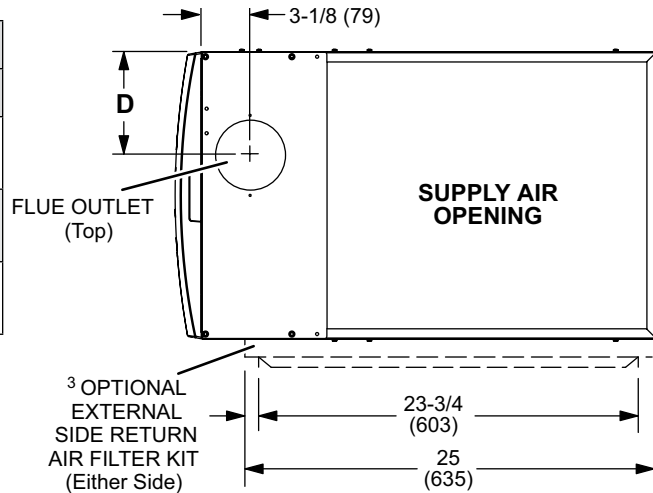
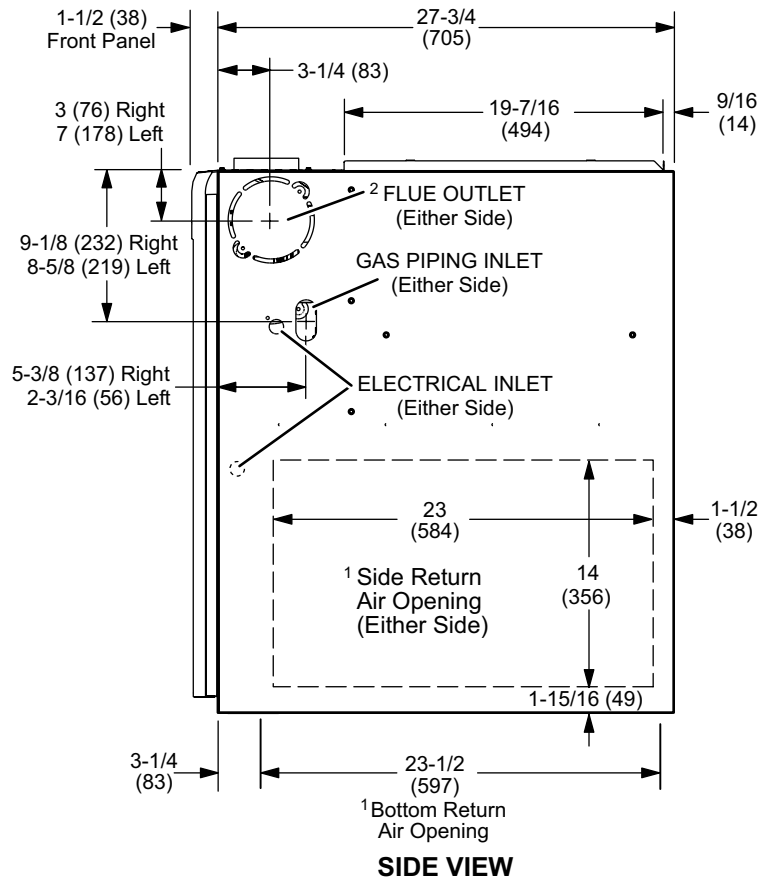
| External Static Pressure<br>in. w.g. | Air Volume / Watts at Various Blower Speeds |       |                     |       |               |       |                     |       |           |       |
|--------------------------------------|---------------------------------------------|-------|---------------------|-------|---------------|-------|---------------------|-------|-----------|-------|
|                                      | High (Black)                                |       | Medium-High (Brown) |       | Medium (Blue) |       | Medium-Low (Yellow) |       | Low (Red) |       |
|                                      | cfm                                         | Watts | cfm                 | Watts | cfm           | Watts | cfm                 | Watts | cfm       | Watts |
| 0.10                                 | 1439                                        | 351   | 1322                | 273   | 1178          | 201   | 950                 | 113   | 768       | 75    |
| 0.20                                 | 1393                                        | 367   | 1296                | 285   | 1145          | 209   | 905                 | 116   | 734       | 76    |
| 0.30                                 | 1380                                        | 371   | 1256                | 291   | 1113          | 215   | 860                 | 123   | 680       | 83    |
| 0.40                                 | 1353                                        | 382   | 1231                | 301   | 1081          | 222   | 823                 | 131   | 634       | 87    |
| 0.50                                 | 1320                                        | 388   | 1197                | 309   | 1046          | 230   | 781                 | 135   | 576       | 93    |
| 0.60                                 | 1298                                        | 398   | 1174                | 315   | 1011          | 237   | 731                 | 143   | 525       | 99    |
| 0.70                                 | 1255                                        | 405   | 1138                | 324   | 977           | 246   | 694                 | 145   | 470       | 101   |
| 0.80                                 | 1191                                        | 368   | 1105                | 331   | 939           | 252   | 647                 | 152   | 404       | 106   |
| 0.90                                 | 1060                                        | 351   | 1079                | 341   | 900           | 259   | 591                 | 159   | 355       | 114   |
| 1.00                                 | 908                                         | 326   | 999                 | 317   | 880           | 263   | 545                 | 163   | 308       | 114   |

**80G2DF090BE16K**

| External Static Pressure<br>in. w.g. | Air Volume / Watts at Various Blower Speeds |       |                     |       |               |       |                     |       |           |       |
|--------------------------------------|---------------------------------------------|-------|---------------------|-------|---------------|-------|---------------------|-------|-----------|-------|
|                                      | High (Black)                                |       | Medium-High (Brown) |       | Medium (Blue) |       | Medium-Low (Yellow) |       | Low (Red) |       |
|                                      | cfm                                         | Watts | cfm                 | Watts | cfm           | Watts | cfm                 | Watts | cfm       | Watts |
| 0.10                                 | 1735                                        | 410   | 1537                | 288   | 1407          | 231   | 1322                | 196   | 1207      | 153   |
| 0.20                                 | 1707                                        | 427   | 1498                | 299   | 1365          | 241   | 1277                | 206   | 1154      | 162   |
| 0.30                                 | 1656                                        | 439   | 1446                | 309   | 1316          | 251   | 1225                | 215   | 1091      | 171   |
| 0.40                                 | 1617                                        | 449   | 1400                | 323   | 1273          | 260   | 1185                | 225   | 1044      | 180   |
| 0.50                                 | 1586                                        | 460   | 1352                | 332   | 1221          | 271   | 1133                | 232   | 989       | 186   |
| 0.60                                 | 1542                                        | 473   | 1315                | 345   | 1181          | 280   | 1078                | 243   | 928       | 196   |
| 0.70                                 | 1461                                        | 448   | 1273                | 354   | 1134          | 287   | 1037                | 253   | 886       | 202   |
| 0.80                                 | 1320                                        | 347   | 1228                | 364   | 1092          | 298   | 981                 | 261   | 824       | 213   |
| 0.90                                 | 1083                                        | 309   | 1165                | 363   | 1034          | 309   | 926                 | 269   | 746       | 220   |
| 1.00                                 | 904                                         | 306   | 908                 | 241   | 934           | 297   | 864                 | 279   | 655       | 228   |

**DIMENSIONS (IN.) - UPFLOW POSITION**

| Model                                               | A      |     | B      |     | C      |     | D     |     |
|-----------------------------------------------------|--------|-----|--------|-----|--------|-----|-------|-----|
|                                                     | in.    | mm  | in.    | mm  | in.    | mm  | in.   | mm  |
| 80G2UH045AE12K<br>80G2UH070AE12K<br>80G2UH070AE12LK | 14-1/2 | 368 | 13-3/8 | 340 | 13     | 330 | 4-3/4 | 121 |
| 80G2UH090BE12K<br>80G2UH090BE16K<br>80G2UH090BE16LK | 17-1/2 | 446 | 16-3/8 | 416 | 16     | 406 | 6-1/4 | 159 |
| 80G2UH110CE16K<br>80G2UH110CE20K<br>80G2UH110CE20LK | 21     | 533 | 19-7/8 | 504 | 19-1/2 | 495 | 8     | 203 |

**FRONT VIEW****SIDE VIEW**

1 NOTE - 60C size units that require air volumes over 1800 cfm must have one of the following:

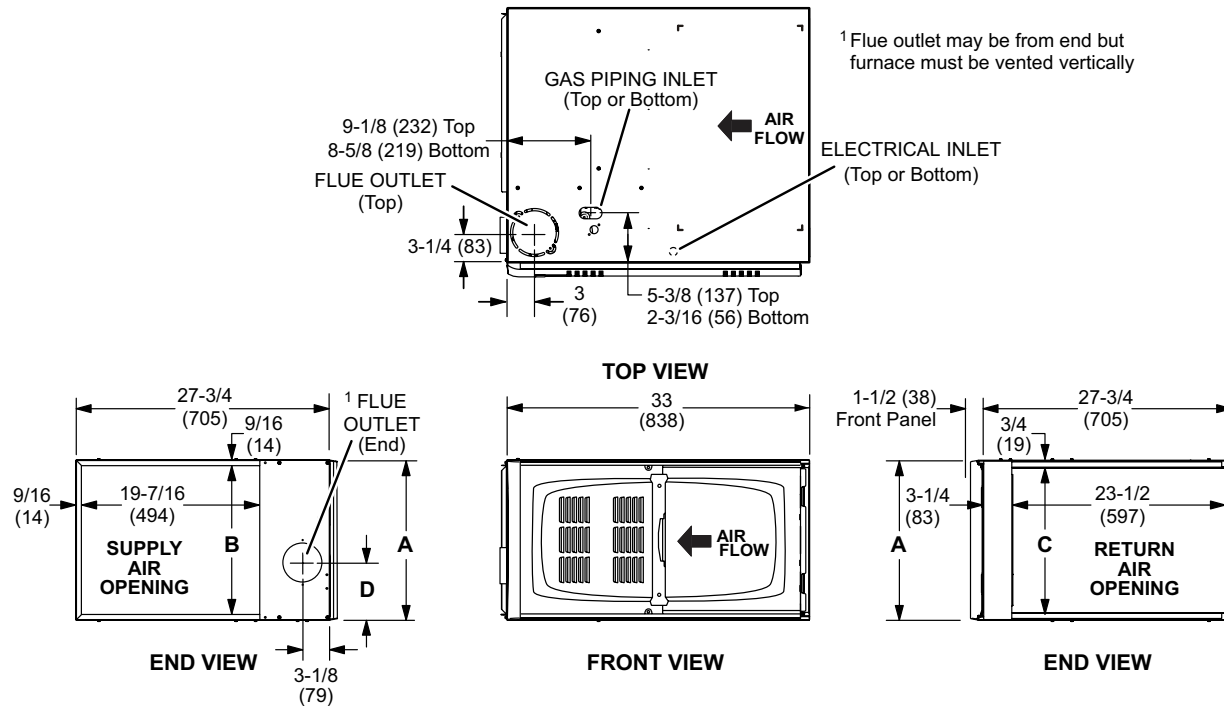
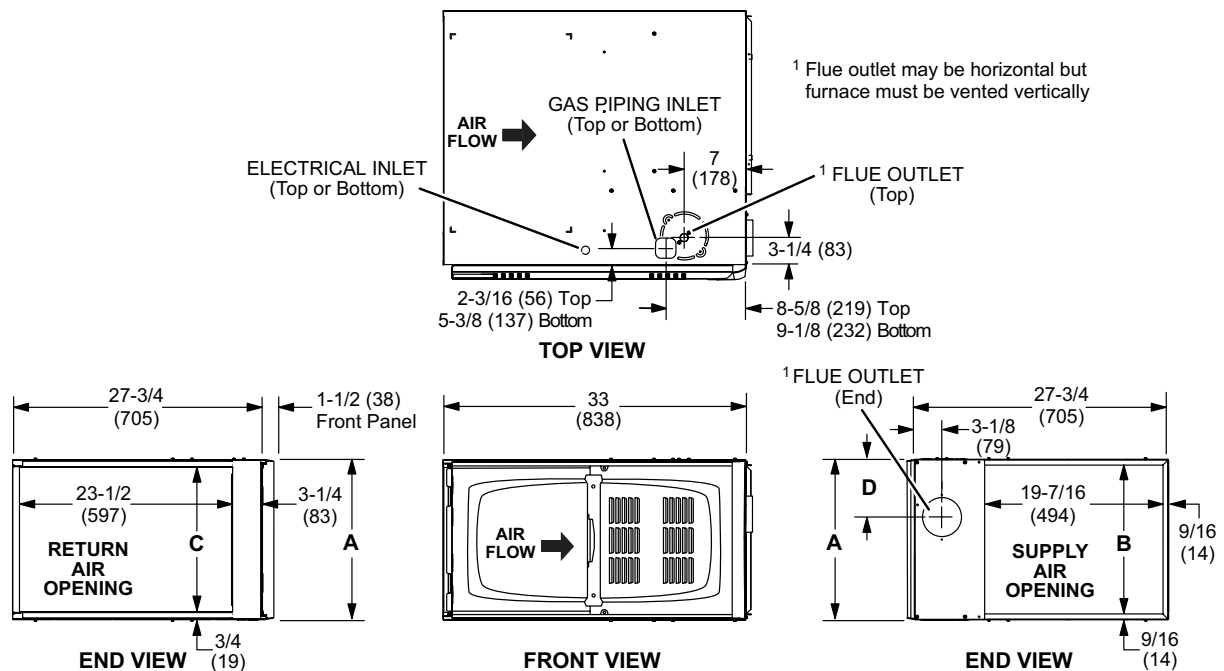
1. Single side return air and Optional Return Air Base with transition that must accommodate required 20 x 25 x 1 inch (508 x 635 x 25 mm) air filter to maintain proper velocity.
2. Bottom return air.
3. Return air from both sides.
4. Bottom and one side return air. See Blower Performance Tables for additional information.

2 Flue outlet may be horizontal but furnace must be vented vertically

3 Optional External Side Return Air Filter Kit is not for use with the optional Return Air Base.

**DIMENSIONS (IN.) - HORIZONTAL POSITION**

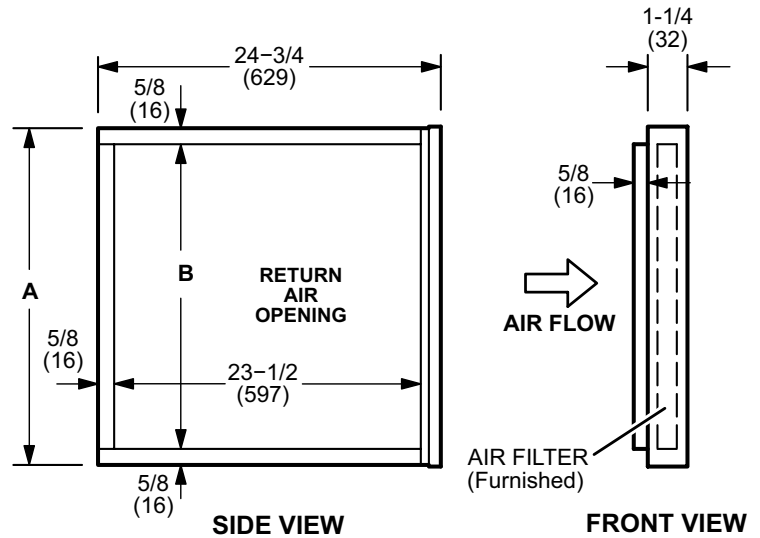
| Model                                               | A      |     | B      |     | C      |     | D     |     |
|-----------------------------------------------------|--------|-----|--------|-----|--------|-----|-------|-----|
|                                                     | in.    | mm  | in.    | mm  | in.    | mm  | in.   | mm  |
| 80G2UH045AE12K<br>80G2UH070AE12K<br>80G2UH070AE12LK | 14-1/2 | 368 | 13-3/8 | 340 | 13     | 330 | 4-3/4 | 121 |
| 80G2UH090BE12K<br>80G2UH090BE16K<br>80G2UH090BE16LK | 17-1/2 | 446 | 16-3/8 | 416 | 16     | 406 | 6-1/4 | 159 |
| 80G2UH110CE16K<br>80G2UH110CE20K<br>80G2UH110CE20LK | 21     | 533 | 19-7/8 | 504 | 19-1/2 | 495 | 8     | 203 |

**LEFT-HAND AIR DISCHARGE****RIGHT-HAND AIR DISCHARGE**

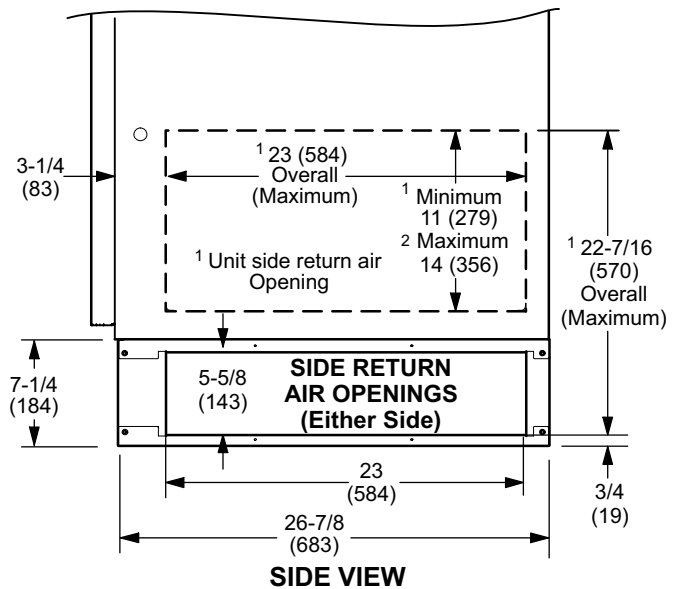
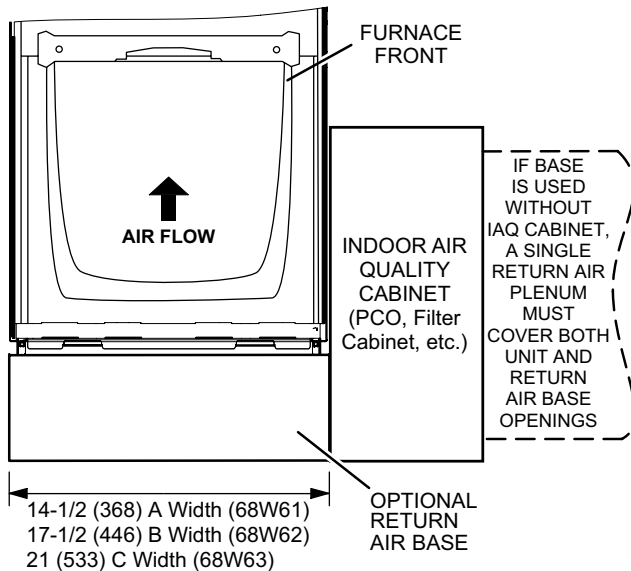


**HORIZONTAL (END) FILTER KIT**

| Furnace Cabinet Width | Catalog Number | A   |     | B      |     |
|-----------------------|----------------|-----|-----|--------|-----|
|                       |                | in. | mm  | in.    | mm  |
| A                     | 87L95          | 14  | 356 | 12-3/4 | 324 |
| B                     | 87L96          | 18  | 457 | 16-3/4 | 425 |
| C                     | 87L97          | 21  | 533 | 18-3/4 | 476 |

**OPTIONAL RETURN AIR BASE**

(Upflow Applications Only - For use with A, B and C width cabinets)



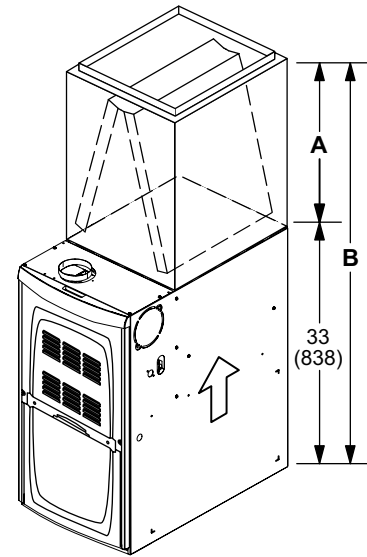
NOTE- Optional Side Return Air Filter Kits are not for use with Optional Return Air Base.

1 Both the unit return air opening and the base return air opening must be covered by a single plenum or IAQ cabinet. Minimum unit side return air opening dimensions for units requiring 1800 cfm or more of air (W x H): 23 x 11 in. (584 x 279 mm). The opening can be cut as needed to accommodate plenum or IAQ cabinet while maintaining dimensions shown. Side return air openings must be cut in the field. There are cutting guides stenciled on the cabinet for the side return air opening. The size of the opening must not extend beyond the markings on the furnace cabinet.

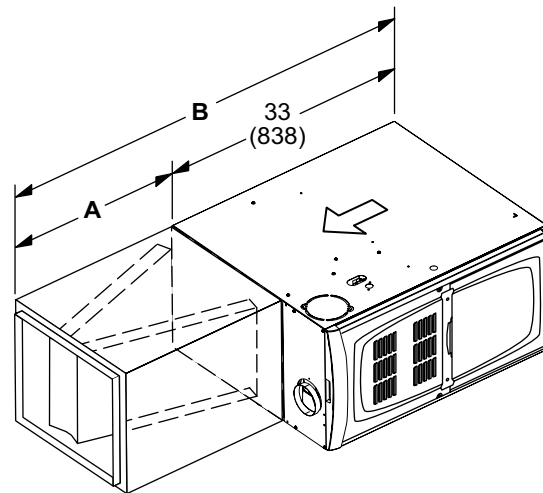
2 To minimize pressure drop, the largest opening height possible, up to 14 in. (356 mm), is preferred.

**FURNACE / COIL COMBINED DIMENSIONS****UPFLOW POSITION**

| Model                                                          | EAC1P/EAC4X<br>Cased |     |        |      | EAU1P<br>Uncased |     |        |      |
|----------------------------------------------------------------|----------------------|-----|--------|------|------------------|-----|--------|------|
|                                                                | A                    |     | B      |      | A                |     | B      |      |
|                                                                | in.                  | mm  | in.    | mm   | in.              | mm  | in.    | mm   |
| EA*1P/EAC4X18/24A<br>EA*1P/EAC4X18/24B                         | 16-1/2               | 419 | 49-1/2 | 1257 | 14-1/8           | 359 | 47-1/8 | 1197 |
| EA*1P/EAC4X24A<br>EA*1P/EAC4X24B                               | 18-1/2               | 470 | 51-1/2 | 1308 | 16-3/8           | 416 | 49-3/8 | 1254 |
| EA*1P/EAC4X30A<br>EA*1P/EAC4X30B                               | 22-1/2               | 572 | 55-1/2 | 1410 | 20-3/4           | 527 | 53-3/4 | 1365 |
| EA*1P/EAC4X30A/36A<br>EA*1P/EAC4X30B/36B<br>EA*1P/EAC4X30A/36C | 24-1/2               | 622 | 57-1/2 | 1461 | 22-1/4           | 565 | 55-1/4 | 1403 |
| EA*1P/EAC4X36A<br>EA*1P/EAC4X36B                               | 24-1/2               | 622 | 57-1/2 | 1461 | 22-3/8           | 568 | 55-3/8 | 1407 |
| EA*1P/EAC4X48B<br>EA*1P/EAC4X48C                               | 27-1/2               | 699 | 60-1/2 | 1537 | 26-1/4           | 667 | 59-1/4 | 1505 |
| EA*1P/EAC4X49C                                                 | 29-1/2               | 749 | 62-1/2 | 1588 | 28-1/2           | 724 | 61-1/2 | 1562 |
| EA*1P/EAC4X50/60C                                              | 27-1/2               | 699 | 60-1/2 | 1537 | 25-7/8           | 657 | 58-7/8 | 1495 |
| EAC4X60C                                                       | 31-1/2               | 800 | 64-1/2 | 1638 | 30-5/8           | 778 | 63-5/8 | 1616 |

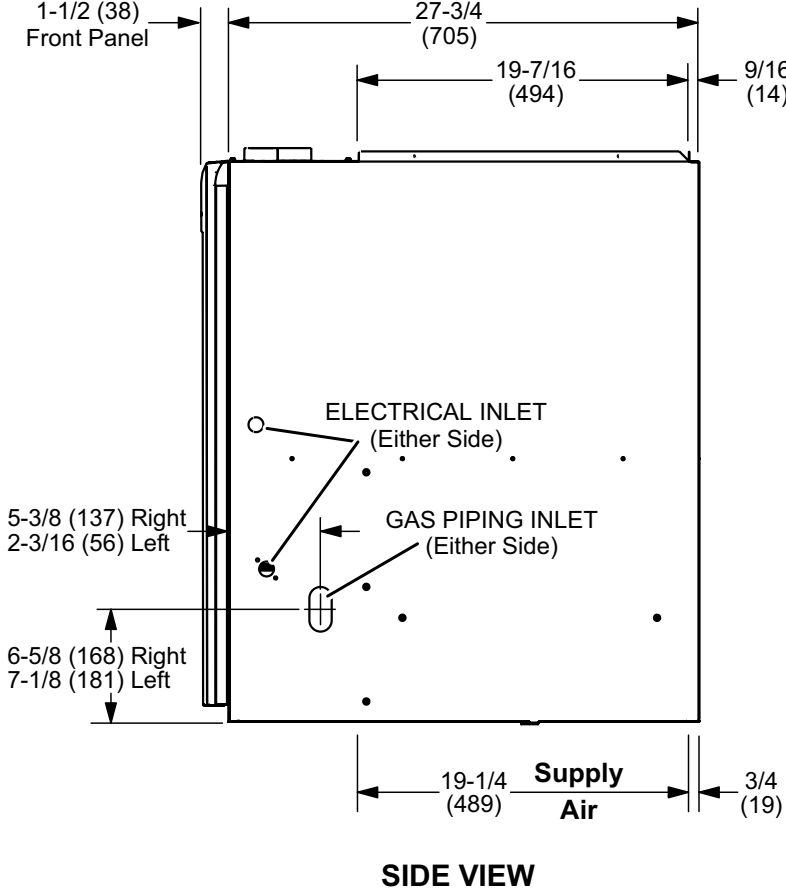
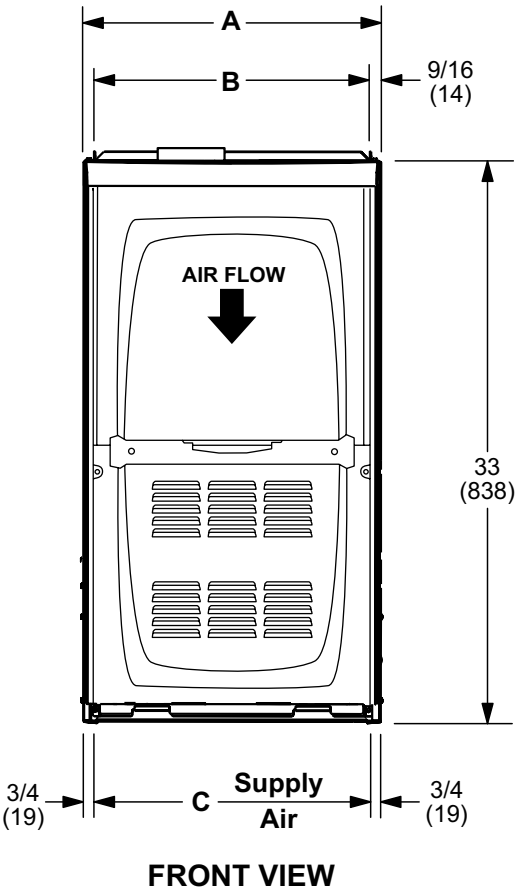
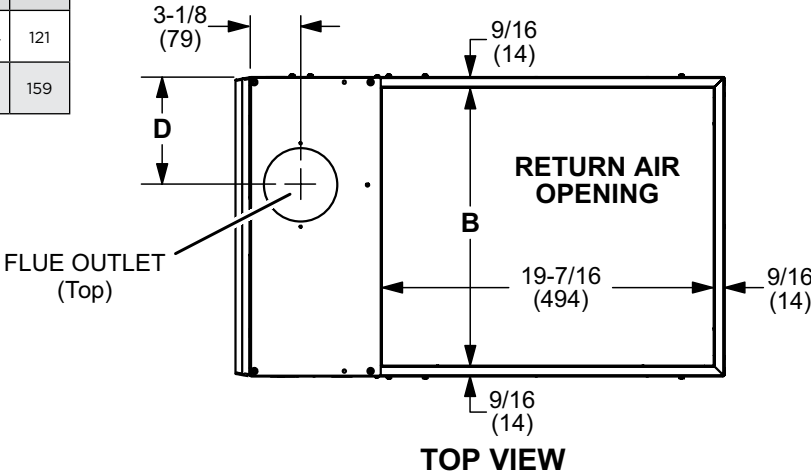
**HORIZONTAL POSITION**

| Model                                        |                                                          | A      |     | B      |      |
|----------------------------------------------|----------------------------------------------------------|--------|-----|--------|------|
|                                              |                                                          | in.    | mm  | in.    | mm   |
| EAHIP18A<br>EAHIP24A<br>EAHIP24B<br>EAHIP30B | EAHIP36A<br>EAHIP36B<br>EAHIP36C<br>EAHIP42C<br>EAHIP48C | 26-1/2 | 673 | 59-1/2 | 1511 |
| EAHIP30A<br>EAHIP42B<br>EAHIP48B             | EAHIP51C<br>EAHIP60D                                     | 31-1/2 | 880 | 64-1/2 | 1638 |



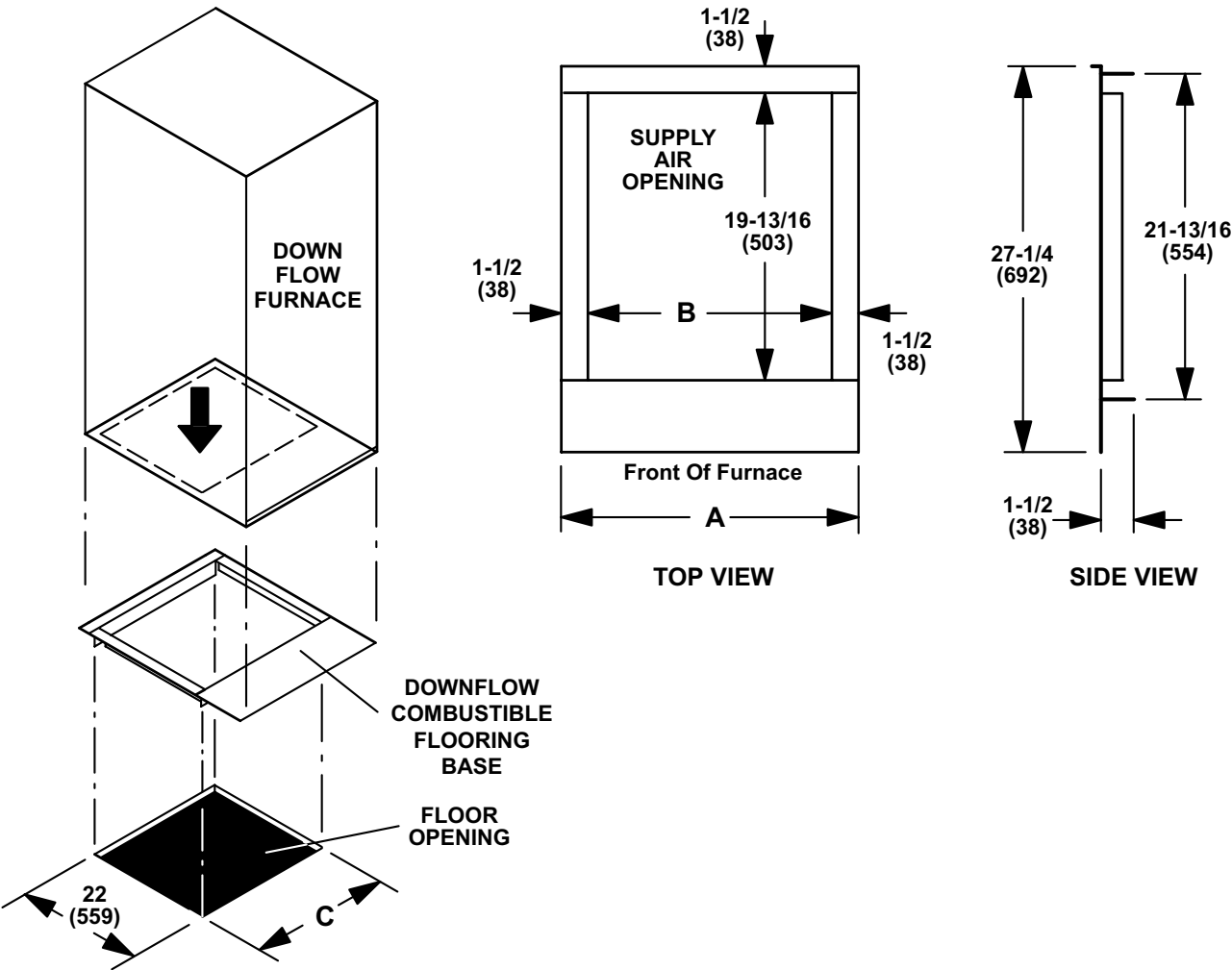
DIMENSIONS (IN.) - DOWNFLOW POSITION

| Model          | A      |     | B      |     | C   |     | D     |     |
|----------------|--------|-----|--------|-----|-----|-----|-------|-----|
|                | in.    | mm  | in.    | mm  | in. | mm  | in.   | mm  |
| 80G2DF070AE12K | 14-1/2 | 368 | 13-3/8 | 340 | 13  | 330 | 4-3/4 | 121 |
| 80G2DF090BE16K | 17-1/2 | 446 | 16-3/8 | 416 | 16  | 406 | 6-1/4 | 159 |



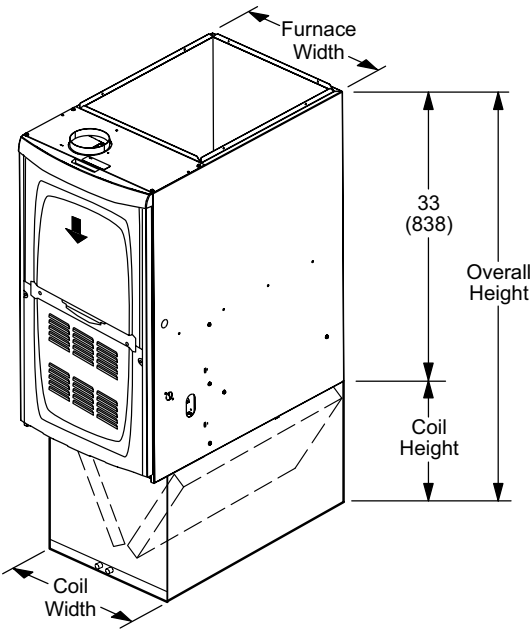
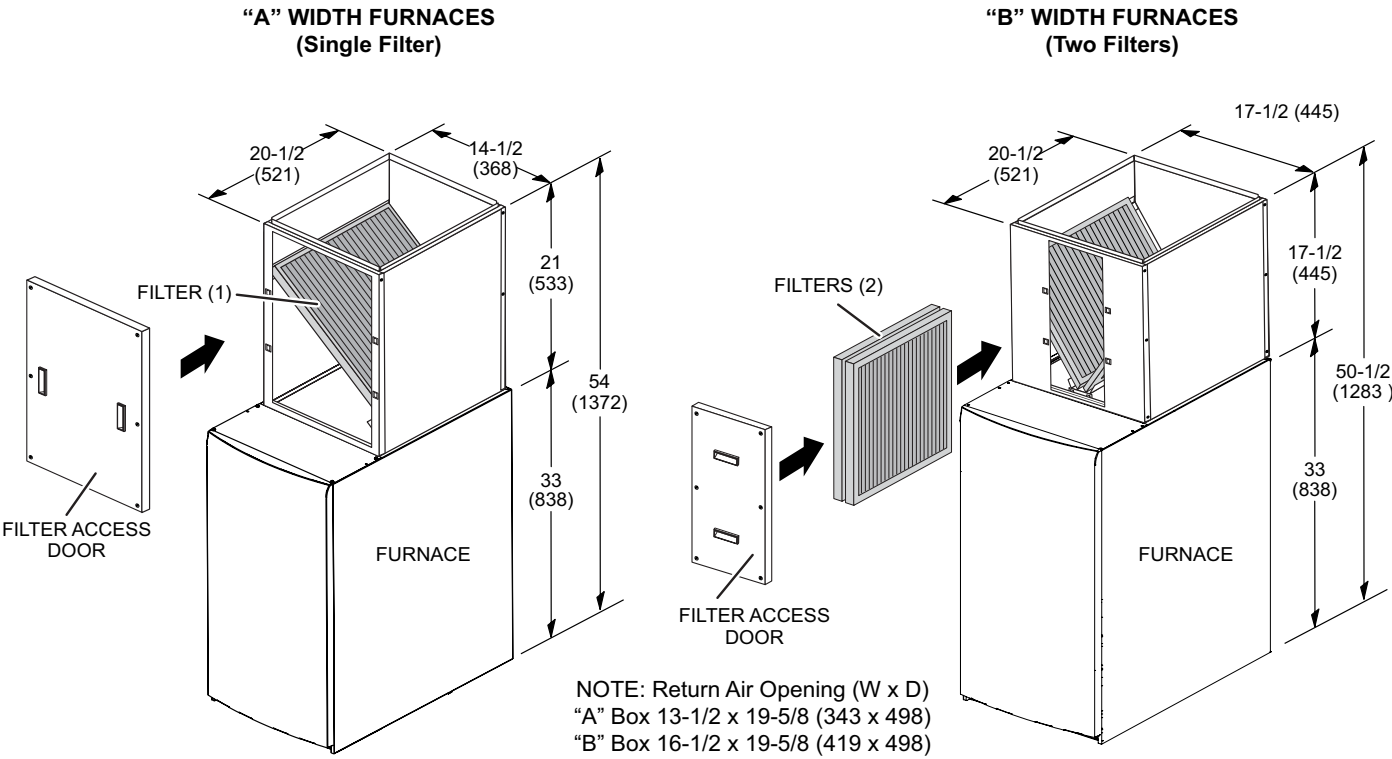
DOWNFLOW COMBUSTIBLE FLOORING BASE

| Furnace Cabinet Width | Catalog Number | A       |     | B       |     | C      |     |
|-----------------------|----------------|---------|-----|---------|-----|--------|-----|
|                       |                | in.     | mm  | in.     | mm  | in.    | mm  |
| A                     | 11M59          | 16-9/16 | 421 | 13-9/16 | 344 | 15-3/4 | 400 |
| B                     | 11M60          | 19-9/16 | 497 | 16-9/16 | 421 | 18-3/4 | 476 |



DIMENSIONS - DOWNFLOW FILTER CABINET

DOWNFLOW FILTER CABINET



FURNACE / COIL COMBINED DIMENSIONS

DOWNFLOW POSITION

| Model       | Coil Width |     | Furnace Width |     | Coil Height |     | Overall Height |      |
|-------------|------------|-----|---------------|-----|-------------|-----|----------------|------|
|             | in.        | mm  | in.           | mm  | in.         | mm  | in.            | mm   |
| ED1P-18A    | 17-1/2     | 446 | 14-1/2        | 368 | 14-1/8      | 359 | 47-1/8         | 1197 |
| ED1P-24A    | 17-1/2     | 446 | 14-1/2        | 368 | 14-1/8      | 359 | 47-1/8         | 1197 |
| ED1P-24B    | 17-1/2     | 446 | 17-1/2        | 446 | 14-1/8      | 359 | 47-1/8         | 1197 |
| ED1P-30/36A | 17-1/2     | 446 | 14-1/2        | 368 | 16-1/8      | 410 | 49-1/8         | 1248 |
| ED1P-30/36B | 17-1/2     | 446 | 17-1/2        | 446 | 16-1/8      | 410 | 49-1/8         | 1248 |
| ED1P-48B    | 21         | 533 | 17-1/2        | 446 | 20          | 508 | 53             | 1346 |

**ACCESSORIES**

| ACCESSORY                                                                                                                  | CATALOG NUMBER |
|----------------------------------------------------------------------------------------------------------------------------|----------------|
| RETURN AIR BASE                                                                                                            |                |
| Return Air Base 14.5"                                                                                                      | 68W61          |
| Return Air Base 17.5"                                                                                                      | 68W62          |
| Return Air Base 21.0"                                                                                                      | 68W62          |
| HIGH ALTITUDE PRESSURE SWITCHES                                                                                            |                |
| 2-Stage 80% UH/DF (4,501 - 7,500 ft) [045, 070, 090, 110]                                                                  | 91W53          |
| 2-Stage 80% UH/DF (7,501 - 10,000 ft) [045, 070, 090, 110]                                                                 | 73W35          |
| HIGH ALTITUDE ORIFICE KITS (7,500 ft+)                                                                                     |                |
| 2-Stage 80% UH/DF - Natural Gas                                                                                            | 51W01          |
| 2-Stage 80% UH/DF - Propane Gas                                                                                            | 11K47          |
| NATURAL TO LP KITS                                                                                                         |                |
| 2-Stage 80% UH/DF (0 - 7,500 ft)                                                                                           | 11K48          |
| 2-Stage 80% UH/DF (7,501 - 10,000 ft)                                                                                      | 11K47          |
| LP TO NATURAL KITS                                                                                                         |                |
| 2-Stage 80% UH/DF                                                                                                          | 77W10          |
| DOWNFLOW SPECIFIC AIR FILTERS                                                                                              |                |
| 14.5"                                                                                                                      | 51W06          |
| 17.5"                                                                                                                      | 51W07          |
| DOWNFLOW COMBUSTIBLE FLOORING BASE                                                                                         |                |
| 14.5"                                                                                                                      | 11M59          |
| 17.5"                                                                                                                      | 11M60          |
| HORIZONTAL SUSPENSION KIT                                                                                                  |                |
| 80% & 90%                                                                                                                  | 51W10          |
| EXTERNAL FILTER RACK KITS                                                                                                  |                |
| 1 pack (16 x 25)                                                                                                           | 1.841018       |
| 10 pack (16 x 25)                                                                                                          | 1.841039       |
| TRANSFORMER (75VA)                                                                                                         |                |
| Recommended when furnace is used with zoning or defrost thermostats and other 24V accessories requiring a higher VA rating | 27J32          |
| Circuit breaker (furnished) is wired in series                                                                             |                |
| Replaces the standard 40VA transformer                                                                                     |                |

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

**REFRIGERANT DETECTION SYSTEM (RDS) COMPONENTS**

| DESCRIPTION                                        | ORDER No. |
|----------------------------------------------------|-----------|
| Refrigerant Detection System (RDS) Coil Sensor Kit | 27V53     |



1-800-448-5872

All specifications and illustrations  
subject to change without notice and  
without incurring obligations.