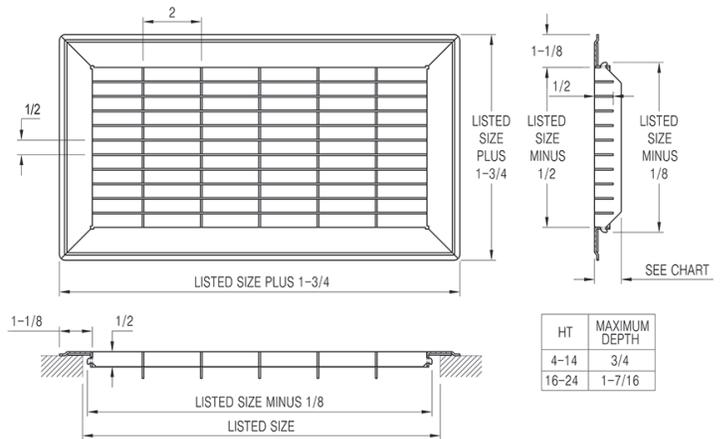




120 - Floor Return Air Grille

- Heavy gauge steel construction
- Rigid faceplate provides firm surface
- Brown durable finish



| Available Sizes (in inches) | | | | | | | | | | | | | |
|-----------------------------|-------|---|----|----|----|----|----|----|----|----|----|----|----|
| HEIGHT | WIDTH | | | | | | | | | | | | |
| | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 25 | 26 | 30 | 36 |
| 4 | | • | • | • | • | | • | | • | | | • | |
| 6 | • | • | • | • | • | • | • | • | • | | | • | • |
| 8 | | • | • | • | • | • | • | • | • | | | • | |
| 9 | | | | • | | | | | | | | | |
| 10 | | | • | • | • | • | • | • | • | | | • | |
| 12 | | | | • | • | • | • | • | • | | | • | |
| 14 | | | | | • | • | | • | • | | | • | |
| 16 | | | | | | • | | • | • | | | | |
| 18 | | | | | | | • | | • | | | • | |
| 20 | | | | | | | | • | • | • | • | • | |
| 24 | | | | | | | | | • | | | • | • |

ENGINEERING DATA

| 120 - FLOOR RETURN AIR GRILL | | | | | | | | |
|------------------------------|-----|-------|-------|-------|-------|-------|-------|-------|
| FACE VELOCITY | | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| 4 x 8 Ak .203 | cfm | 81 | 102 | 122 | 142 | 162 | 183 | 203 |
| | Pt | 0.130 | 0.016 | 0.023 | 0.032 | 0.042 | 0.052 | 0.070 |
| 4 x 10 Ak .265 | cfm | 106 | 133 | 159 | 186 | 212 | 239 | 265 |
| | Pt | 0.012 | 0.015 | 0.023 | 0.031 | 0.041 | 0.051 | 0.069 |
| 4 x 12 Ak .301 | cfm | 120 | 151 | 181 | 211 | 241 | 271 | 301 |
| | Pt | 0.012 | 0.015 | 0.022 | 0.031 | 0.040 | 0.051 | 0.069 |
| 4 x 14 Ak .337 | cfm | 135 | 169 | 202 | 236 | 270 | 303 | 337 |
| | Pt | 0.011 | 0.014 | 0.021 | 0.031 | 0.039 | 0.050 | 0.067 |
| 4 x 18 Ak .455 | cfm | 182 | 228 | 273 | 319 | 364 | 410 | 455 |
| | Pt | 0.010 | 0.014 | 0.020 | 0.030 | 0.039 | 0.048 | 0.064 |
| 4 x 24 Ak .591 | cfm | 236 | 296 | 355 | 414 | 473 | 532 | 591 |
| | Pt | 0.010 | 0.014 | 0.018 | 0.028 | 0.037 | 0.047 | 0.057 |
| 4 x 30 Ak .740 | cfm | 296 | 370 | 444 | 518 | 592 | 666 | 740 |
| | Pt | 0.008 | 0.014 | 0.017 | 0.027 | 0.036 | 0.043 | 0.054 |
| 6 x 6 Ak .231 | cfm | 92 | 116 | 139 | 162 | 185 | 208 | 231 |
| | Pt | 0.130 | 0.016 | 0.023 | 0.032 | 0.042 | 0.051 | 0.070 |
| 6 x 8 Ak .301 | cfm | 120 | 151 | 181 | 211 | 241 | 271 | 301 |
| | Pt | 0.012 | 0.015 | 0.022 | 0.031 | 0.040 | 0.051 | 0.069 |
| 6 x 10 Ak .370 | cfm | 148 | 185 | 222 | 259 | 296 | 333 | 370 |
| | Pt | 0.011 | 0.014 | 0.020 | 0.031 | 0.039 | 0.049 | 0.066 |
| 6 x 12 Ak .455 | cfm | 182 | 228 | 273 | 319 | 364 | 410 | 455 |
| | Pt | 0.010 | 0.014 | 0.020 | 0.030 | 0.039 | 0.048 | 0.063 |
| 6 x 14 Ak .540 | cfm | 216 | 270 | 324 | 378 | 432 | 486 | 540 |
| | Pt | 0.010 | 0.014 | 0.019 | 0.029 | 0.037 | 0.047 | 0.062 |
| 6 x 16 Ak .591 | cfm | 236 | 296 | 355 | 414 | 473 | 532 | 591 |
| | Pt | 0.010 | 0.014 | 0.018 | 0.028 | 0.037 | 0.047 | 0.061 |
| 6 x 18 Ak .693 | cfm | 277 | 347 | 416 | 485 | 554 | 624 | 693 |
| | Pt | 0.009 | 0.014 | 0.017 | 0.027 | 0.036 | 0.045 | 0.059 |
| 6 x 20 Ak .740 | cfm | 296 | 370 | 444 | 518 | 592 | 666 | 740 |
| | Pt | 0.008 | 0.014 | 0.017 | 0.027 | 0.036 | 0.043 | 0.054 |
| 6 x 24 Ak .860 | cfm | 344 | 430 | 516 | 602 | 688 | 774 | 860 |
| | Pt | 0.007 | 0.013 | 0.017 | 0.024 | 0.033 | 0.041 | 0.052 |
| 6 x 30 Ak 1.05 | cfm | 420 | 525 | 630 | 735 | 840 | 945 | 1050 |
| | Pt | 0.007 | 0.013 | 0.017 | 0.023 | 0.032 | 0.041 | 0.048 |
| 6 x 36 Ak 1.24 | cfm | 496 | 620 | 744 | 868 | 992 | 1116 | 1240 |
| | Pt | 0.007 | 0.012 | 0.017 | 0.023 | 0.030 | 0.037 | 0.047 |

| | | | | | | | | |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|
| 8 x 8 Ak .403 | cfm | 161 | 202 | 242 | 282 | 322 | 363 | 403 |
| | Pt | 0.010 | 0.014 | 0.020 | 0.030 | 0.039 | 0.048 | 0.065 |
| 8 x 10 Ak .505 | cfm | 202 | 253 | 303 | 354 | 404 | 455 | 505 |
| | Pt | 0.010 | 0.014 | 0.019 | 0.029 | 0.037 | 0.047 | 0.063 |
| 8 x 12 Ak .591 | cfm | 236 | 296 | 355 | 414 | 473 | 532 | 591 |
| | Pt | 0.010 | 0.014 | 0.018 | 0.028 | 0.037 | 0.046 | 0.061 |
| 8 x 14 Ak .710 | cfm | 284 | 355 | 426 | 497 | 568 | 639 | 710 |
| | Pt | 0.008 | 0.014 | 0.017 | 0.027 | 0.036 | 0.044 | 0.058 |
| 8 x 16 Ak .780 | cfm | 312 | 390 | 468 | 546 | 624 | 702 | 780 |
| | Pt | 0.008 | 0.014 | 0.017 | 0.025 | 0.033 | 0.041 | 0.052 |
| 8 x 18 Ak .860 | cfm | 344 | 430 | 516 | 602 | 688 | 774 | 860 |
| | Pt | 0.007 | 0.013 | 0.017 | 0.024 | 0.033 | 0.041 | 0.052 |
| 8 x 20 Ak .923 | cfm | 369 | 462 | 554 | 646 | 738 | 831 | 923 |
| | Pt | 0.007 | 0.013 | 0.017 | 0.023 | 0.033 | 0.041 | 0.050 |
| 8 x 24 Ak 1.13 | cfm | 452 | 565 | 678 | 791 | 904 | 1017 | 1130 |
| | Pt | 0.007 | 0.013 | 0.017 | 0.023 | 0.031 | 0.040 | 0.048 |
| 8 x 30 Ak 1.37 | cfm | 548 | 685 | 822 | 959 | 1096 | 1233 | 1370 |
| | Pt | 0.007 | 0.012 | 0.017 | 0.023 | 0.029 | 0.036 | 0.046 |
| 9 x 12 Ak .693 | cfm | 277 | 347 | 416 | 485 | 554 | 624 | 693 |
| | Pt | 0.009 | 0.014 | 0.017 | 0.027 | 0.036 | 0.045 | 0.059 |
| 10 x 10 Ak .658 | cfm | 263 | 329 | 395 | 461 | 526 | 592 | 658 |
| | Pt | 0.009 | 0.014 | 0.018 | 0.028 | 0.037 | 0.046 | 0.060 |
| 10 x 12 Ak .740 | cfm | 296 | 370 | 444 | 518 | 592 | 666 | 740 |
| | Pt | 0.008 | 0.014 | 0.017 | 0.027 | 0.036 | 0.043 | 0.054 |
| 10 x 14 Ak .802 | cfm | 321 | 401 | 481 | 561 | 642 | 722 | 802 |
| | Pt | 0.007 | 0.013 | 0.017 | 0.024 | 0.033 | 0.041 | 0.052 |
| 10 x 16 Ak .923 | cfm | 369 | 462 | 554 | 646 | 738 | 831 | 923 |
| | Pt | 0.007 | 0.013 | 0.017 | 0.023 | 0.033 | 0.041 | 0.050 |
| 10 x 18 Ak 1.05 | cfm | 420 | 525 | 630 | 735 | 840 | 945 | 1050 |
| | Pt | 0.007 | 0.013 | 0.017 | 0.023 | 0.032 | 0.041 | 0.048 |
| 10 x 20 Ak 1.22 | cfm | 488 | 610 | 732 | 854 | 976 | 1098 | 1220 |
| | Pt | 0.007 | 0.012 | 0.017 | 0.023 | 0.030 | 0.038 | 0.047 |
| 10 x 24 Ak 1.37 | cfm | 548 | 685 | 822 | 959 | 1096 | 1233 | 1370 |
| | Pt | 0.007 | 0.012 | 0.017 | 0.023 | 0.029 | 0.036 | 0.046 |
| 10 x 30 Ak 1.71 | cfm | 684 | 855 | 1026 | 1197 | 1368 | 1539 | 1710 |
| | Pt | 0.007 | 0.010 | 0.015 | 0.022 | 0.028 | 0.035 | 0.044 |
| 12 x 12 Ak .860 | cfm | 344 | 430 | 516 | 602 | 688 | 774 | 860 |
| | Pt | 0.007 | 0.013 | 0.017 | 0.024 | 0.033 | 0.041 | 0.052 |

ENGINEERING DATA

| | | | | | | | | |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|
| 12 x 14 Ak 1.68 | cfm | 672 | 840 | 1008 | 1176 | 1344 | 1512 | 1680 |
| | Pt | 0.007 | 0.011 | 0.016 | 0.023 | 0.028 | 0.035 | 0.044 |
| 12 x 16 Ak 1.13 | cfm | 452 | 565 | 678 | 791 | 904 | 1017 | 1130 |
| | Pt | 0.007 | 0.013 | 0.017 | 0.023 | 0.031 | 0.040 | 0.048 |
| 12 x 18 Ak 1.24 | cfm | 496 | 620 | 744 | 868 | 992 | 1116 | 1240 |
| | Pt | 0.007 | 0.012 | 0.017 | 0.023 | 0.030 | 0.037 | 0.047 |
| 12 x 20 Ak 1.37 | cfm | 548 | 685 | 822 | 959 | 1096 | 1233 | 1370 |
| | Pt | 0.007 | 0.012 | 0.017 | 0.023 | 0.03 | 0.037 | 0.047 |
| 12 x 24 Ak 1.68 | cfm | 672 | 840 | 1008 | 1176 | 1344 | 1512 | 1680 |
| | Pt | 0.007 | 0.011 | 0.016 | 0.023 | 0.028 | 0.035 | 0.044 |
| 12 x 30 Ak 2.12 | cfm | 848 | 1060 | 1272 | 1484 | 1696 | 1908 | 2120 |
| | Pt | 0.007 | 0.010 | 0.015 | 0.021 | 0.026 | 0.033 | 0.040 |
| 14 x 14 Ak 1.18 | cfm | 472 | 590 | 708 | 826 | 944 | 1062 | 1180 |
| | Pt | 0.007 | 0.012 | 0.017 | 0.023 | 0.031 | 0.039 | 0.048 |
| 14 x 16 Ak 1.28 | cfm | 512 | 640 | 768 | 896 | 1024 | 1152 | 1280 |
| | Pt | 0.007 | 0.012 | 0.017 | 0.023 | 0.029 | 0.036 | 0.046 |
| 14 x 20 Ak 1.62 | cfm | 648 | 810 | 972 | 1134 | 1296 | 1458 | 1620 |
| | Pt | 0.007 | 0.011 | 0.016 | 0.023 | 0.028 | 0.035 | 0.045 |
| 14 x 24 Ak 1.96 | cfm | 784 | 980 | 1176 | 1372 | 1568 | 1764 | 1960 |
| | Pt | 0.007 | 0.010 | 0.015 | 0.021 | 0.026 | 0.033 | 0.040 |
| 14 x 30 Ak 2.47 | cfm | 988 | 1235 | 1482 | 1729 | 1976 | 2223 | 2470 |
| | Pt | 0.007 | 0.010 | 0.014 | 0.02 | 0.025 | 0.031 | 0.039 |
| 16 x 16 Ak 1.47 | cfm | 588 | 735 | 882 | 1029 | 1176 | 1323 | 1470 |
| | Pt | 0.007 | 0.012 | 0.016 | 0.023 | 0.290 | 0.036 | 0.045 |
| 16 x 20 Ak 1.85 | cfm | 740 | 925 | 1110 | 1295 | 1480 | 1665 | 1850 |
| | Pt | 0.007 | 0.010 | 0.015 | 0.022 | 0.027 | 0.034 | 0.041 |
| 16 x 24 Ak 2.23 | cfm | 892 | 1115 | 1338 | 1561 | 1784 | 2007 | 2230 |
| | Pt | 0.007 | 0.010 | 0.015 | 0.021 | 0.026 | 0.032 | 0.040 |
| 16 x 30 Ak 2.65 | cfm | 1060 | 1325 | 1590 | 1855 | 2120 | 2385 | 2650 |
| | Pt | 0.006 | 0.010 | 0.014 | 0.019 | 0.024 | 0.030 | 0.038 |
| 18 x 18 Ak 1.87 | cfm | 748 | 935 | 1122 | 1309 | 1496 | 1683 | 1870 |
| | Pt | 0.007 | 0.010 | 0.015 | 0.022 | 0.027 | 0.034 | 0.041 |
| 18 x 24 Ak 2.52 | cfm | 1008 | 1260 | 1512 | 1764 | 2016 | 2268 | 2520 |
| | Pt | 0.007 | 0.010 | 0.014 | 0.02 | 0.025 | 0.031 | 0.038 |
| 18 x 30 Ak 3.03 | cfm | 1212 | 1515 | 1818 | 2121 | 2424 | 2727 | 3030 |
| | Pt | 0.006 | 0.009 | 0.013 | 0.018 | 0.023 | 0.029 | 0.036 |
| 20 x 20 Ak 2.36 | cfm | 944 | 1180 | 1416 | 1652 | 1888 | 2124 | 2360 |
| | Pt | 0.007 | 0.010 | 0.014 | 0.02 | 0.025 | 0.032 | 0.039 |

| | | | | | | | | |
|--------------------------------|-----|-------|-------|-------|-------|-------|-------|-------|
| 20 x 24 Ak 2.65 | cfm | 1060 | 1325 | 1590 | 1855 | 2120 | 2385 | 2650 |
| | Pt | 0.006 | 0.009 | 0.014 | 0.019 | 0.024 | 0.030 | 0.037 |
| 20 x 25 Ak 2.80 | cfm | 1120 | 1400 | 1680 | 1960 | 2240 | 2520 | 2800 |
| | Pt | 0.006 | 0.009 | 0.013 | 0.018 | 0.024 | 0.029 | 0.037 |
| 20 x 30 Ak 3.55 | cfm | 1420 | 1775 | 2130 | 2485 | 2840 | 3195 | 3550 |
| | Pt | 0.006 | 0.009 | 0.012 | 0.017 | 0.023 | 0.028 | 0.035 |
| 24 x 24 Ak 3.29 | cfm | 1316 | 1645 | 1974 | 2303 | 2632 | 2961 | 3290 |
| | Pt | 0.006 | 0.009 | 0.013 | 0.018 | 0.023 | 0.029 | 0.036 |
| 24 x 30 Ak 4.45 | cfm | 1780 | 2225 | 2670 | 3115 | 3560 | 4005 | 4450 |
| | Pt | 0.006 | 0.009 | 0.012 | 0.017 | 0.022 | 0.028 | 0.035 |
| 24 x 36 Ak 4.65 | cfm | 1860 | 2325 | 2790 | 3255 | 3720 | 4185 | 4650 |
| | Pt | 0.006 | 0.009 | 0.012 | 0.017 | 0.022 | 0.028 | 0.034 |
| Velocity measured 1" from face | | | | | | | | |