

Performance Data

Model 67FB45 Fixed Blade Return Grilles and Registers

Imperial Units

| Listed Duct Size (inches) | Alternate Size (inches) | Core Area (sq. ft.) | Ak Factor | Core Velocity VP Neg. SP | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---------------------------|-------------------------|---------------------|-----------|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | | | | .001 .003 | .002 .014 | .006 .031 | .010 .055 | .016 .086 | .022 .124 | .031 .168 | .040 .220 | .050 .278 | .062 .344 |
| 6 x 6 | 8 x 4 | 0.20 | 0.23 | CFM | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 |
| | 10 x 4 | | | NC | - | - | - | - | - | 19 | 24 | 28 | 32 | 36 |
| 8 x 6 | 10 x 5 | 0.28 | 0.30 | CFM | 28 | 56 | 84 | 112 | 140 | 168 | 196 | 224 | 252 | 280 |
| | 12 x 4 | | | NC | - | - | - | - | 15 | 20 | 25 | 29 | 33 | 37 |
| 10 x 6 | 12 x 5 | 0.35 | 0.37 | CFM | 35 | 70 | 105 | 140 | 175 | 210 | 245 | 280 | 315 | 350 |
| | 16 x 4 | | | NC | - | - | - | - | 16 | 21 | 26 | 30 | 34 | 38 |
| 8 x 8 | 14 x 5 | 0.38 | 0.40 | CFM | 38 | 76 | 114 | 152 | 190 | 228 | 266 | 304 | 342 | 380 |
| | | | | NC | - | - | - | - | 17 | 22 | 27 | 31 | 35 | 39 |
| 12 x 6 | 18 x 4 | 0.42 | 0.45 | CFM | 42 | 84 | 126 | 168 | 210 | 252 | 294 | 336 | 378 | 420 |
| | | | | NC | - | - | - | - | 18 | 23 | 27 | 32 | 36 | 40 |
| 12 x 8 | 16 x 6 | 0.58 | 0.59 | CFM | 58 | 116 | 174 | 232 | 290 | 348 | 406 | 464 | 522 | 580 |
| | 24 x 4 | | | NC | - | - | - | - | 19 | 24 | 28 | 33 | 37 | 41 |
| 10 x 10 | 14 x 7 | 0.61 | 0.62 | CFM | 61 | 122 | 183 | 244 | 305 | 366 | 427 | 488 | 549 | 610 |
| | 26 x 4 | | | NC | - | - | - | - | 19 | 24 | 29 | 34 | 37 | 41 |
| 18 x 6 | 14 x 8 | 0.65 | 0.67 | CFM | 65 | 130 | 195 | 260 | 325 | 390 | 455 | 520 | 585 | 650 |
| | 28 x 4 | | | NC | - | - | - | - | 15 | 20 | 25 | 30 | 34 | 38 |
| 12 x 10 | 16 x 8 | 0.74 | 0.74 | CFM | 74 | 148 | 222 | 296 | 370 | 444 | 518 | 592 | 666 | 740 |
| | 24 x 5 | | | NC | - | - | - | - | 15 | 20 | 25 | 30 | 35 | 39 |
| 12 x 12 | 14 x 10 | 0.90 | 0.89 | CFM | 90 | 180 | 270 | 360 | 450 | 540 | 630 | 720 | 810 | 900 |
| | 18 x 8 | | | NC | - | - | - | - | 16 | 21 | 26 | 31 | 36 | 39 |
| 14 x 14 | 16 x 12 | 1.24 | 1.22 | CFM | 124 | 248 | 372 | 496 | 620 | 744 | 868 | 992 | 1116 | 1240 |
| | 20 x 10 | | | NC | - | - | - | - | 16 | 21 | 26 | 31 | 36 | 40 |
| 18 x 12 | 16 x 14 | 1.37 | 1.34 | CFM | 137 | 274 | 411 | 548 | 685 | 822 | 959 | 1096 | 1233 | 1370 |
| | 22 x 10 | | | NC | - | - | - | - | 17 | 22 | 27 | 32 | 37 | 40 |
| 24 x 10 | 20 x 12 | 1.52 | 1.49 | CFM | 152 | 304 | 456 | 608 | 760 | 912 | 1064 | 1216 | 1368 | 1520 |
| | 30 x 8 | | | NC | - | - | - | - | 17 | 22 | 27 | 32 | 38 | 41 |
| 16 x 16 | 18 x 14 | 1.64 | 1.58 | CFM | 164 | 328 | 492 | 656 | 820 | 984 | 1148 | 1312 | 1476 | 1640 |
| | 22 x 12 | | | NC | - | - | - | - | 18 | 23 | 28 | 33 | 38 | 41 |
| 24 x 12 | 18 x 16 | 1.85 | 1.78 | CFM | 185 | 370 | 555 | 740 | 925 | 1110 | 1295 | 1480 | 1665 | 1850 |
| | 20 x 14 | | | NC | - | - | - | - | 18 | 23 | 28 | 33 | 38 | 41 |
| 18 x 18 | 20 x 16 | 2.10 | 2.01 | CFM | 210 | 420 | 630 | 840 | 1050 | 1260 | 1470 | 1680 | 1890 | 2100 |
| | 24 x 14 | | | NC | - | - | - | - | 18 | 23 | 29 | 34 | 39 | 42 |
| 30 x 12 | 20 x 18 | 2.32 | 2.23 | CFM | 232 | 464 | 696 | 928 | 1160 | 1392 | 1624 | 1856 | 2088 | 2320 |
| | 22 x 16 | | | NC | - | - | - | - | 19 | 24 | 29 | 34 | 39 | 42 |
| 20 x 20 | 24 x 18 | 2.61 | 2.48 | CFM | 261 | 522 | 783 | 1044 | 1305 | 1566 | 1827 | 2088 | 2349 | 2610 |
| | 26 x 16 | | | NC | - | - | - | - | 19 | 24 | 30 | 35 | 40 | 43 |
| 22 x 22 | 24 x 20 | 3.17 | 3.00 | CFM | 317 | 634 | 951 | 1268 | 1585 | 1902 | 2219 | 2536 | 2853 | 3170 |
| | 26 x 18 | | | NC | - | - | - | - | 20 | 25 | 31 | 35 | 40 | 43 |
| 30 x 18 | 24 x 22 | 3.54 | 3.34 | CFM | 354 | 708 | 1062 | 1416 | 1770 | 2124 | 2478 | 2832 | 3186 | 3540 |
| | 34 x 16 | | | NC | - | - | - | - | 20 | 25 | 31 | 36 | 41 | 44 |
| 24 x 24 | 26 x 22 | 3.79 | 3.56 | CFM | 379 | 758 | 1137 | 1516 | 1895 | 2274 | 2653 | 3032 | 3411 | 3790 |
| | 28 x 20 | | | NC | - | - | - | - | 20 | 25 | 31 | 36 | 41 | 44 |
| 36 x 18 | 32 x 20 | 4.27 | 4.01 | CFM | 427 | 854 | 1281 | 1708 | 2135 | 2562 | 2989 | 3416 | 3843 | 4270 |
| | 40 x 16 | | | NC | - | - | - | - | 21 | 26 | 32 | 37 | 42 | 45 |
| 26 x 26 | 28 x 24 | 4.47 | 4.19 | CFM | 447 | 894 | 1341 | 1788 | 2235 | 2682 | 3129 | 3576 | 4023 | 4470 |
| | 48 x 14 | | | NC | - | - | - | - | 21 | 26 | 32 | 37 | 42 | 45 |
| 30 x 24 | 28 x 26 | 4.77 | 4.46 | CFM | 477 | 954 | 1431 | 1908 | 2385 | 2862 | 3339 | 3816 | 4293 | 4770 |
| | 32 x 22 | | | NC | - | - | - | - | 15 | 22 | 27 | 33 | 38 | 42 |
| 28 x 28 | 30 x 26 | 5.20 | 4.85 | CFM | 520 | 1040 | 1560 | 2080 | 2600 | 3120 | 3640 | 4160 | 4680 | 5200 |
| | 36 x 22 | | | NC | - | - | - | - | 15 | 22 | 27 | 33 | 38 | 43 |
| 36 x 24 | 30 x 28 | 5.74 | 5.35 | CFM | 574 | 1148 | 1722 | 2296 | 2870 | 3444 | 4018 | 4592 | 5166 | 5740 |
| | 40 x 22 | | | NC | - | - | - | - | 15 | 22 | 28 | 34 | 38 | 43 |
| 30 x 30 | 34 x 26 | 5.99 | 5.57 | CFM | 599 | 1198 | 1797 | 2396 | 2995 | 3594 | 4193 | 4792 | 5391 | 5990 |
| | 38 x 24 | | | NC | - | - | - | - | 15 | 22 | 28 | 34 | 39 | 43 |

E

HOSPITAL / CLEANROOM DIFFUSERS

Performance Data

Model 67FB45 Fixed Blade Return Grilles and Registers

Imperial Units

| Listed Duct Size (inches) | Alternate Size (inches) | Core Area (sq. ft.) | Ak Factor | Core Velocity VP | Neg. SP | | | | | | | | | |
|---------------------------|-------------------------|---------------------|-----------|------------------|---------|------|------|------|------|------|-------|-------|-------|-------|
| | | | | | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| 32 x 32 | 36 x 30 | 6.84 | 6.34 | CFM | 684 | 1368 | 2052 | 2736 | 3420 | 4104 | 4788 | 5472 | 6156 | 6840 |
| | 46 x 22 | | | NC | - | - | 16 | 23 | 29 | 35 | 39 | 44 | 48 | 52 |
| 48 x 24 | 34 x 34 | 7.69 | 7.13 | CFM | 769 | 1538 | 2307 | 3076 | 3845 | 4614 | 5383 | 6152 | 6921 | 7690 |
| | 38 x 30 | | | NC | - | - | 17 | 23 | 29 | 35 | 40 | 44 | 48 | 52 |
| 36 x 36 | 38 x 34 | 8.69 | 8.02 | CFM | 869 | 1738 | 2607 | 3476 | 4345 | 5214 | 6083 | 6952 | 7821 | 8690 |
| | 46 x 28 | | | NC | - | - | 17 | 24 | 29 | 36 | 41 | 45 | 49 | 53 |
| 38 x 38 | 42 x 34 | 9.70 | 8.94 | CFM | 970 | 1940 | 2910 | 3880 | 4850 | 5820 | 6790 | 7760 | 8730 | 9700 |
| | 48 x 30 | | | NC | - | - | 18 | 24 | 30 | 36 | 41 | 45 | 49 | 53 |
| 40 x 40 | 42 x 36 | 10.77 | 9.90 | CFM | 1077 | 2154 | 3231 | 4308 | 5385 | 6462 | 7539 | 8616 | 9693 | 10770 |
| | 48 x 32 | | | NC | - | - | 18 | 24 | 30 | 36 | 42 | 45 | 50 | 54 |
| 42 x 42 | 44 x 40 | 11.89 | 10.92 | CFM | 1189 | 2378 | 3567 | 4756 | 5945 | 7134 | 8323 | 9512 | 10701 | 11890 |
| | 48 x 36 | | | NC | - | - | 19 | 25 | 31 | 37 | 42 | 46 | 50 | 54 |
| 44 x 44 | 46 x 42 | 13.07 | 11.98 | CFM | 1307 | 2614 | 3921 | 5228 | 6535 | 7842 | 9149 | 10456 | 11763 | 13070 |
| | | | | NC | - | - | 19 | 25 | 31 | 37 | 42 | 46 | 50 | 54 |
| 46 x 46 | | 14.30 | 13.10 | CFM | 1430 | 2860 | 4290 | 5720 | 7150 | 8580 | 10010 | 11440 | 12870 | 14300 |
| | | | | NC | - | - | 20 | 26 | 32 | 38 | 43 | 47 | 51 | 55 |
| 48 x 48 | | 15.59 | 14.26 | CFM | 1559 | 3118 | 4677 | 6236 | 7795 | 9354 | 10913 | 12472 | 14031 | 15590 |
| | | | | NC | - | - | 20 | 26 | 32 | 38 | 43 | 47 | 51 | 55 |

- CFM** - cubic feet per minute
- VP** - velocity pressure - inches w.g.
- Neg. SP** - negative static pressure - inches w.g.
- NC** - Noise Criteria values are based on 10 dB room absorption, re 10⁻¹² watts.

Core Velocity is in feet per minute.

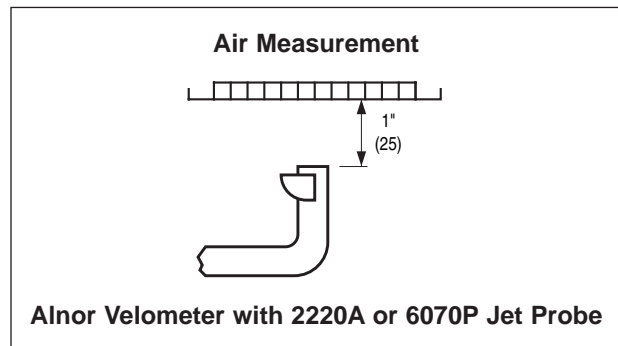
Performance Notes:

1. Performance data is for grille with opposed blade damper. Apply the following correction factors for grille without damper:

Neg. SP Listed Value x 0.91.

NC Listed value - 4.

2. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 - 2006.



Airflow Measurements

1. Balancing factors are applicable with or without dampers, providing uniform airflow exists into grille or register.
2. Take velocity readings at a number of locations on the inlet face (a minimum of 4), while positioning probe as shown above, one inch out from the face.
3. Total the various velocity readings and divide by the number of readings taken to arrive at an average inlet velocity (V_k in FPM).
4. Calculate the airflow (CFM) by multiplying the average velocity by the appropriate Ak factor.
Airflow (CFM) = Average velocity (V_k) x Ak.

Performance Data

Model 67FB45 Fixed Blade Return Grilles and Registers

Metric Units

| Listed Duct Size (mm) | Alternate Size (mm) | Core Area (sq. m) | Ak Factor | Core Velocity VP Neg. SP | 0.51 0.2 0.7 | 1.01 0.5 3.5 | 1.52 1.5 7.7 | 2.03 2.5 14 | 2.54 4.0 21 | 3.05 5.5 31 | 3.55 7.7 42 | 4.06 10 55 | 4.57 12 69 | 5.08 15 86 |
|-----------------------|---------------------|-------------------|-----------|--------------------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|
| 152 x 152 | 203 x 102 | .019 | 21 | L/S | 9 | 19 | 28 | 38 | 47 | 57 | 66 | 76 | 85 | 94 |
| | 254 x 102 | | | NC | - | - | - | - | - | 19 | 24 | 28 | 32 | 36 |
| 203 x 152 | 254 x 127 | .026 | 28 | L/S | 13 | 26 | 40 | 53 | 66 | 79 | 92 | 106 | 119 | 132 |
| | 305 x 102 | | | NC | - | - | - | - | 15 | 20 | 25 | 29 | 33 | 37 |
| 254 x 152 | 305 x 127 | .033 | 34 | L/S | 17 | 33 | 50 | 66 | 83 | 99 | 116 | 132 | 149 | 165 |
| | 406 x 102 | | | NC | - | - | - | - | 16 | 21 | 26 | 30 | 34 | 38 |
| 203 x 203 | 356 x 127 | .035 | 37 | L/S | 18 | 36 | 54 | 72 | 90 | 108 | 126 | 143 | 161 | 179 |
| | | | | NC | - | - | - | - | 17 | 22 | 27 | 31 | 35 | 39 |
| 305 x 152 | 457 x 102 | .039 | 42 | L/S | 20 | 40 | 59 | 79 | 99 | 119 | 139 | 159 | 178 | 198 |
| | | | | NC | - | - | - | - | 18 | 23 | 27 | 32 | 36 | 40 |
| 305 x 203 | 406 x 152 | .054 | 55 | L/S | 27 | 55 | 82 | 109 | 137 | 164 | 192 | 219 | 246 | 274 |
| | 610 x 102 | | | NC | - | - | - | - | 19 | 24 | 28 | 33 | 37 | 41 |
| 254 x 254 | 356 x 178 | .057 | 58 | L/S | 29 | 58 | 86 | 115 | 144 | 173 | 202 | 230 | 259 | 288 |
| | 660 x 102 | | | NC | - | - | - | - | 19 | 24 | 29 | 34 | 37 | 41 |
| 457 x 152 | 356 x 203 | .060 | 62 | L/S | 31 | 61 | 92 | 123 | 153 | 184 | 215 | 245 | 276 | 307 |
| | 711 x 102 | | | NC | - | - | - | 15 | 20 | 25 | 30 | 34 | 38 | 41 |
| 305 x 254 | 406 x 203 | .069 | 69 | L/S | 35 | 70 | 105 | 140 | 175 | 210 | 244 | 279 | 314 | 349 |
| | 610 x 127 | | | NC | - | - | - | 15 | 20 | 25 | 30 | 35 | 39 | 42 |
| 305 x 305 | 356 x 254 | .084 | 83 | L/S | 42 | 85 | 127 | 170 | 212 | 255 | 297 | 340 | 382 | 425 |
| | 610 x 152 | | | NC | - | - | - | 16 | 21 | 26 | 31 | 36 | 39 | 42 |
| 356 x 356 | 406 x 305 | .115 | 113 | L/S | 59 | 117 | 176 | 234 | 293 | 351 | 410 | 468 | 527 | 585 |
| | 610 x 203 | | | NC | - | - | - | 16 | 21 | 26 | 31 | 36 | 40 | 43 |
| 457 x 305 | 406 x 356 | .127 | 125 | L/S | 65 | 129 | 194 | 259 | 323 | 388 | 453 | 517 | 582 | 647 |
| | 711 x 203 | | | NC | - | - | - | 17 | 22 | 27 | 32 | 37 | 40 | 43 |
| 610 x 254 | 508 x 305 | .141 | 139 | L/S | 72 | 143 | 215 | 287 | 359 | 430 | 502 | 574 | 646 | 717 |
| | 762 x 203 | | | NC | - | - | - | 17 | 22 | 27 | 32 | 38 | 41 | 44 |
| 406 x 406 | 457 x 356 | .152 | 147 | L/S | 77 | 155 | 232 | 310 | 387 | 464 | 542 | 619 | 697 | 774 |
| | 762 x 203 | | | NC | - | - | - | 18 | 23 | 28 | 33 | 38 | 41 | 44 |
| 610 x 305 | 457 x 406 | .172 | 165 | L/S | 87 | 175 | 262 | 349 | 437 | 524 | 611 | 698 | 786 | 873 |
| | 762 x 254 | | | NC | - | - | - | 18 | 23 | 28 | 33 | 38 | 41 | 45 |
| 457 x 457 | 508 x 406 | .195 | 187 | L/S | 99 | 198 | 297 | 396 | 495 | 595 | 694 | 793 | 892 | 991 |
| | 711 x 305 | | | NC | - | - | - | 18 | 23 | 29 | 34 | 39 | 42 | 45 |
| 762 x 305 | 508 x 457 | .216 | 207 | L/S | 109 | 219 | 328 | 438 | 547 | 657 | 766 | 876 | 985 | 1095 |
| | 660 x 356 | | | NC | - | - | - | 19 | 24 | 29 | 34 | 39 | 42 | 46 |
| 508 x 508 | 610 x 457 | .242 | 231 | L/S | 123 | 246 | 369 | 493 | 616 | 739 | 862 | 985 | 1108 | 1232 |
| | 762 x 356 | | | NC | - | - | - | 19 | 24 | 30 | 35 | 40 | 43 | 46 |
| 559 x 559 | 610 x 508 | .294 | 279 | L/S | 150 | 299 | 449 | 598 | 748 | 898 | 1047 | 1197 | 1346 | 1496 |
| | 762 x 406 | | | NC | - | - | - | 20 | 25 | 31 | 35 | 40 | 43 | 47 |
| 762 x 457 | 610 x 559 | .329 | 310 | L/S | 167 | 334 | 501 | 668 | 835 | 1002 | 1169 | 1336 | 1503 | 1671 |
| | 1016 x 356 | | | NC | - | - | - | 20 | 25 | 31 | 36 | 41 | 44 | 48 |
| 610 x 610 | 660 x 559 | .352 | 331 | L/S | 179 | 358 | 537 | 715 | 894 | 1073 | 1252 | 1431 | 1610 | 1789 |
| | 813 x 457 | | | NC | - | - | - | 20 | 25 | 31 | 36 | 41 | 44 | 48 |
| 914 x 457 | 813 x 508 | .397 | 373 | L/S | 202 | 403 | 605 | 806 | 1008 | 1209 | 1411 | 1612 | 1814 | 2015 |
| | 1168 x 356 | | | NC | - | - | - | 21 | 26 | 32 | 37 | 42 | 45 | 49 |
| 660 x 660 | 711 x 610 | .415 | 390 | L/S | 211 | 422 | 633 | 844 | 1055 | 1266 | 1477 | 1688 | 1898 | 2109 |
| | 1219 x 356 | | | NC | - | - | - | 21 | 26 | 32 | 37 | 42 | 45 | 49 |
| 762 x 610 | 711 x 660 | .443 | 415 | L/S | 225 | 450 | 675 | 900 | 1125 | 1351 | 1576 | 1801 | 2026 | 2251 |
| | 914 x 457 | | | NC | - | - | 15 | 22 | 27 | 33 | 38 | 42 | 46 | 50 |
| 711 x 711 | 762 x 660 | .483 | 451 | L/S | 245 | 491 | 736 | 982 | 1227 | 1472 | 1718 | 1963 | 2208 | 2454 |
| | 1016 x 508 | | | NC | - | - | 15 | 22 | 27 | 33 | 38 | 43 | 46 | 50 |
| 914 x 610 | 762 x 711 | .533 | 497 | L/S | 271 | 542 | 813 | 1083 | 1354 | 1625 | 1896 | 2167 | 2438 | 2709 |
| | 1118 x 508 | | | NC | - | - | 15 | 22 | 28 | 34 | 38 | 43 | 47 | 51 |
| 762 x 762 | 864 x 660 | .556 | 518 | L/S | 283 | 565 | 848 | 1131 | 1413 | 1696 | 1979 | 2261 | 2544 | 2827 |
| | 1219 x 508 | | | NC | - | - | 15 | 22 | 28 | 34 | 39 | 43 | 47 | 51 |

Performance Data

Model 67FB45 Fixed Blade Return Grilles and Registers

Metric Units

| Listed Duct Size (mm) | Alternate Size (mm) | Core Area (sq. m) | Ak Factor | Core Velocity VP Neg. SP | 0.51 | 1.01 | 1.52 | 2.03 | 2.54 | 3.05 | 3.55 | 4.06 | 4.57 | 5.08 |
|-----------------------|---------------------|-------------------|-----------|-----------------------------|------|------|------|------|------|------|------|------|------|------|
| | | | | | 0.2 | 0.5 | 1.5 | 2.5 | 4.0 | 5.5 | 7.7 | 10 | 12 | 15 |
| 813 x 813 | 914 x 762 | .635 | 589 | L/S | 323 | 646 | 968 | 1291 | 1614 | 1937 | 2259 | 2582 | 2905 | 3228 |
| | 1168 x 559 | | | NC | - | - | 16 | 23 | 29 | 35 | 39 | 44 | 48 | 52 |
| 1219 x 610 | 864 x 864 | .714 | 663 | L/S | 363 | 726 | 1089 | 1452 | 1814 | 2177 | 2540 | 2903 | 3266 | 3629 |
| | 965 x 762 | | | NC | - | - | 17 | 23 | 29 | 35 | 40 | 44 | 48 | 52 |
| 914 x 914 | 965 x 864 | .807 | 746 | L/S | 410 | 820 | 1230 | 1640 | 2050 | 2460 | 2871 | 3281 | 3691 | 4101 |
| | 1168 x 711 | | | NC | - | - | 17 | 24 | 29 | 36 | 41 | 45 | 49 | 53 |
| 965 x 965 | 1067 x 864 | .901 | 831 | L/S | 458 | 915 | 1373 | 1831 | 2289 | 2746 | 3204 | 3662 | 4120 | 4577 |
| | 1219 x 762 | | | NC | - | - | 18 | 24 | 30 | 36 | 41 | 45 | 49 | 53 |
| 1016 x 1016 | 1067 x 914 | 1.00 | 920 | L/S | 508 | 1016 | 1525 | 2033 | 2541 | 3049 | 3558 | 4066 | 4574 | 5082 |
| | 1219 x 813 | | | NC | - | - | 18 | 24 | 30 | 36 | 42 | 45 | 50 | 54 |
| 1067 x 1067 | 1118 x 864 | 1.10 | 1015 | L/S | 561 | 1122 | 1683 | 2244 | 2805 | 3367 | 3928 | 4489 | 5050 | 5611 |
| | 1219 x 914 | | | NC | - | - | 19 | 25 | 31 | 37 | 42 | 46 | 50 | 54 |
| 1118 x 1118 | 1168 x 965 | 1.21 | 1114 | L/S | 617 | 1234 | 1850 | 2467 | 3084 | 3701 | 4317 | 4934 | 5551 | 6168 |
| | 1219 x 864 | | | NC | - | - | 19 | 25 | 31 | 37 | 42 | 46 | 50 | 54 |
| 1168 x 1168 | 1168 x 1067 | 1.33 | 1218 | L/S | 675 | 1350 | 2024 | 2699 | 3374 | 4049 | 4724 | 5399 | 6073 | 6748 |
| | | | | NC | - | - | 20 | 26 | 32 | 38 | 43 | 47 | 51 | 55 |
| 1219 x 1219 | | 1.45 | 1326 | L/S | 736 | 1471 | 2207 | 2943 | 3678 | 4414 | 5150 | 5886 | 6621 | 7357 |
| | | | | NC | - | - | 20 | 26 | 32 | 38 | 43 | 47 | 51 | 55 |

L/S - litres per second

VP - velocity pressure - Pa

Neg. SP - negative static pressure - Pa

NC - Noise Criteria values are based on 10 dB room absorption, re 10⁻¹² watts.

Core Velocity is in meters per second.

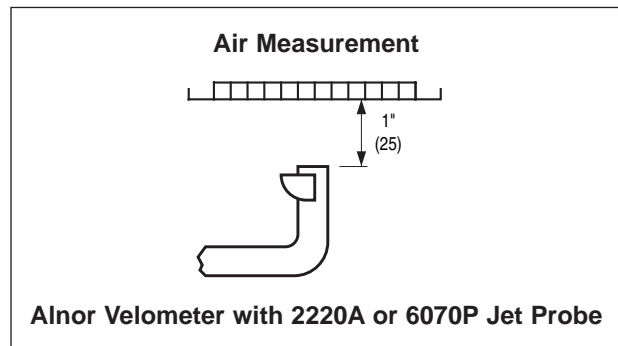
Performance Notes:

1. Performance data is for grille with opposed blade damper. Apply the following correction factors for grille without damper:

Neg. SP Listed Value x 0.91.

NC Listed value - 4.

2. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 - 2006.



Airflow Measurements

- Balancing factors are applicable with or without dampers, providing uniform airflow exists into grille or register.
- Take velocity readings at a number of locations on the inlet face (a minimum of 4), while positioning probe as shown above, one inch out from the face.
- Total the various velocity readings and divide by the number of readings taken to arrive at an average inlet velocity (V_k in m/s).
- Calculate the airflow (L/S) by multiplying the average velocity by the appropriate Ak factor.
Airflow (L/S) = Average velocity (V_k) x Ak.