

| Core Area Sq. Feet | Nominal Duct Size in Inches | Core Velocity | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|-----------------------|-----------------------------------|--------------------|-------|--------|---------|----------|----------|----------|----------|----------|-----------|----------|
| | | Velocity Pressure | 0.001 | 0.002 | 0.006 | 0.01 | 0.016 | 0.022 | 0.031 | 0.04 | 0.051 | 0.062 |
| | | TP: Total Pressure | 0.003 | 0.014 | 0.031 | 0.056 | 0.09 | 0.131 | 0.175 | 0.225 | 0.29 | 0.355 |
| 0.2 | 10x4 6x6 | CFM | 19 | 39 | 58 | 78 | 97 | 116 | 136 | 155 | 175 | 194 |
| | | NC | | | | 16 | 23 | 28 | 32 | 35 | 38 | 41 |
| | | 4-Way, 45° Fixed | | | 4-6-9 | 5-8-13 | 6-9-15 | 8-11-18 | 9-13-21 | 10-14-20 | 11-16-23 | 12-17-25 |
| | | 2-Way, 45° Fixed | | | 5-7-11 | 6-9-15 | 8-11-18 | 9-14-22 | 10-15-21 | 12-17-25 | 13-20-32 | 15-22-35 |
| | | 1-Way, Straight | | | 6-9-14 | 8-11-18 | 9-14-22 | 11-15-22 | 12-18-26 | 14-21-34 | 16-24-38 | 16-26-42 |
| 0.26 | 12x4 8x6 | CFM | 24 | 49 | 78 | 102 | 126 | 150 | 175 | 204 | 228 | 252 |
| | | NC | | | 10 | 18 | 24 | 29 | 33 | 36 | 39 | 42 |
| | | 4-Way, 45° Fixed | | 3-4-7 | 4-5-6 | 6-9-14 | 7-10-16 | 8-12-20 | 10-13-19 | 11-15-22 | 12-17-25 | 13-20-32 |
| | | 2-Way, 45° Fixed | | 3-5-8 | 5-6-8 | 7-9-12 | 8-12-20 | 10-14-20 | 11-16-23 | 13-19-31 | 14-21-34 | 16-24-38 |
| | | 1-Way, Straight | | 4-5-6 | 6-8-11 | 8-11-15 | 10-14-20 | 12-17-24 | 13-20-32 | 15-23-37 | 17-26-41 | 19-28-45 |
| 0.3 | 14x4 | CFM | 29 | 58 | 87 | 116 | 146 | 175 | 204 | 233 | 262 | 291 |
| | | NC | | | 10 | 19 | 24 | 29 | 33 | 37 | 40 | 43 |
| | | 4-Way, 45° Fixed | | 3-4-7 | 4-5-6 | 6-8-10 | 7-10-13 | 9-12-17 | 10-14-20 | 11-16-23 | 12-18-26 | 14-21-33 |
| | | 2-Way, 45° Fixed | | 3-5-8 | 5-7-9 | 7-10-13 | 9-12-17 | 10-14-20 | 12-17-24 | 13-20-32 | 16-24-38/ | 16-24-39 |
| | | 1-Way, Straight | | 4-5-6 | 6-8-11 | 8-11-16 | 10-15-21 | 12-17-25 | 14-21-34 | 16-24-38 | 18-27-43 | 20-29-47 |
| 0.35 | 16x4 12x5 10x6 8x8 | CFM | 34 | 68 | 102 | 136 | 170 | 204 | 238 | 272 | 306 | 340 |
| | | NC | | | 11 | 19 | 25 | 30 | 34 | 38 | 40 | 43 |
| | | 4-Way, 45° Fixed | | 3-4-7 | 5-7-11 | 6-9-15 | 8-11-18 | 9-13-21 | 10-15-21 | 12-17-24 | 13-19-31 | 14-21-34 |
| | | 2-Way, 45° Fixed | | 4-6-9 | 5-8-13 | 7-10-13 | 9-13-21 | 10-15-21 | 12-17-25 | 14-21-33 | 15-23-37 | 17-26-41 |
| | | 1-Way, Straight | | 4-5-6 | 7-9-12 | 9-12-17 | 10-15-21 | 12-18-26 | 15-22-35 | 17-25-40 | 18-27-44 | 20-31-49 |
| 0.4 | 18x4 12x6 | CFM | 39 | 78 | 116 | 155 | 194 | 233 | 272 | 310 | 349 | 388 |
| | | NC | | | 12 | 20 | 26 | 31 | 35 | 38 | 41 | 44 |
| | | 4-Way, 45° Fixed | | 3-5-8 | 5-6-7 | 6-8-11 | 8-11-15 | 9-13-18 | 11-15-22 | 12-17-25 | 13-20-32 | 15-22-35 |
| | | 2-Way, 45° Fixed | | 4-6-9 | 6-8-10 | 8-10-14 | 9-13-18 | 11-15-22 | 12-18-26 | 14-21-34 | 16-24-38 | 18-26-42 |
| | | 1-Way, Straight | | 5-6-7 | 7-9-12 | 9-13-18 | 11-15-22 | 13-19-31 | 15-22-36 | 17-26-41 | 19-29-46 | 21-32-51 |
| 0.45 | 20x4 14x6 10x8 | CFM | 44 | 87 | 131 | 175 | 218 | 262 | 306 | 349 | 393 | 437 |
| | | NC | | | 12 | 20 | 27 | 31 | 35 | 39 | 42 | 45 |
| | | 4-Way, 45° Fixed | | 3-5-8 | 5-6-8 | 6-9-15 | 8-12-19 | 10-13-19 | 11-15-22 | 12-18-26 | 14-21-33 | 15-23-37 |
| | | 2-Way, 45° Fixed | | 4-6-9 | 6-8-10 | 8-12-19 | 10-13-19 | 11-16-23 | 13-19-31 | 15-22-35 | 16-24-39 | 18-27-44 |
| | | 1-Way, Straight | | 5-7-11 | 7-11-17 | 9-14-22 | 11-16-23 | 13-20-32 | 15-23-37 | 18-26-42 | 20-29-47 | 22-33-53 |
| 0.55 | 24x4 16x6 12x8 | CFM | 53 | 107 | 160 | 213 | 267 | 320 | 373 | 427 | 480 | 534 |
| | | NC | | | 13 | 21 | 27 | 32 | 36 | 40 | 42 | 45 |
| | | 4-Way, 45° Fixed | 2-3-4 | 3-5-8 | 5-7-12 | 7-10-16 | 8-12-20 | 10-14-20 | 12-17-24 | 13-19-31 | 15-22-35 | 16-24-39 |
| | | 2-Way, 45° Fixed | 2-3-5 | 6-6-10 | 6-9-15 | 8-12-20 | 10-14-20 | 12-17-25 | 14-21-33 | 15-23-37 | 17-26-41 | 19-29-46 |
| | | 1-Way, Straight | 2-4-6 | 5-7-12 | 8-11-18 | 10-13-19 | 12-17-25 | 14-21-34 | 16-24-39 | 18-27-44 | 21-31-50 | 23-35-56 |
| 0.62 | 18x6 10x10 | CFM | 58 | 121 | 179 | 243 | 301 | 359 | 422 | 480 | 543 | 601 |
| | | NC | | | 13 | 22 | 28 | 33 | 37 | 40 | 43 | 46 |
| | | 4-Way, 45° Fixed | 2-3-4 | 4-6-9 | 5-8-13 | 7-11-17 | 9-13-21 | 10-15-21 | 12-17-24 | 13-20-32 | 15-22-36 | 17-25-40 |
| | | 2-Way, 45° Fixed | 2-3-5 | 4-6-10 | 6-9-15 | 8-12-20 | 10-16-25 | 12-17-25 | 14-21-34 | 16-24-38 | 18-27-43 | 20-29-47 |
| | | 1-Way, Straight | 2-3-6 | 5-7-12 | 8-11-18 | 10-14-20 | 12-19-30 | 15-22-35 | 17-26-41 | 19-29-46 | 21-32-51 | 24-36-57 |
| 0.7 | 30x4 20x6 14x8 12x10 | CFM | 68 | 136 | 204 | 272 | 340 | 407 | 475 | 543 | 611 | 679 |
| | | NC | 0 | 0 | 14 | 22 | 28 | 33 | 37 | 41 | 43 | 46 |
| | | 4-Way, 45° Fixed | 2-3-5 | 4-6-9 | 5-8-13 | 7-11-17 | 9-13-21 | 10-15-21 | 12-17-25 | 14-21-33 | 15-23-37 | 17-26-41 |
| | | 2-Way, 45° Fixed | 2-4-6 | 5-7-11 | 7-10-16 | 9-13-20 | 10-15-21 | 12-18-26 | 15-22-35 | 17-25-40 | 18-27-44 | 20-31-49 |
| | | 1-Way, Straight | 3-4-7 | 5-8-13 | 8-12-19 | 10-15-21 | 12-19-30 | 15-22-36 | 18-26-42 | 20-29-47 | 22-33-53 | 25-37-59 |
| 0.81 | 36x4 24x6 16x8 14x10 | CFM | 78 | 155 | 238 | 315 | 393 | 470 | 548 | 631 | 708 | 786 |
| | | NC | | | 15 | 23 | 29 | 34 | 38 | 41 | 44 | 47 |
| | | 4-Way, 45° Fixed | 2-3-5 | 4-6-9 | 6-9-14 | 8-11-18 | 9-14-22 | 11-15-22 | 12-18-26 | 14-21-34 | 16-24-38 | 18-27-43 |
| | | 2-Way, 45° Fixed | 2-4-6 | 5-7-11 | 7-10-16 | 9-14-22 | 11-15-22 | 13-19-31 | 15-22-36 | 17-26-41 | 19-29-46 | 21-32-51 |
| | | 1-Way, Straight | 3-4-7 | 5-8-13 | 8-12-20 | 11-15-22 | 13-20-32 | 16-24-38 | 18-27-44 | 20-31-49 | 23-34-55 | 26-39-62 |
| 0.87 | 18x8 12x12 | CFM | 82 | 170 | 252 | 340 | 422 | 504 | 592 | 674 | 761 | 844 |
| | | NC | | | 15 | 23 | 29 | 34 | 38 | 41 | 44 | 47 |
| | | 4-Way, 45° Fixed | 2-3-5 | 4-6-9 | 6-9-14 | 8-12-19 | 10-13-19 | 11-16-23 | 13-19-31 | 15-22-35 | 16-24-39 | 18-27-43 |
| | | 2-Way, 45° Fixed | 2-4-6 | 5-7-11 | 7-11-17 | 9-14-22 | 11-16-23 | 13-20-32 | 15-23-37 | 18-26-42 | 20-31-47 | 22-32-52 |
| | | 1-Way, Straight | 3-4-7 | 6-9-14 | 8-12-20 | 11-15-22 | 13-20-32 | 16-24-39 | 19-28-45 | 21-31-50 | 23-35-56 | 26-39-63 |

| Core Area Sq. Feet | Nominal Duct Size in Inches | Core Velocity | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|--------------------|--|--------------------|-------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | Velocity Pressure | 0.001 | 0.002 | 0.006 | 0.01 | 0.016 | 0.022 | 0.031 | 0.04 | 0.051 | 0.062 |
| | | TP: Total Pressure | 0.003 | 0.014 | 0.031 | 0.056 | 0.09 | 0.131 | 0.175 | 0.225 | 0.29 | 0.355 |
| 1.02 | 30x6 20x8 16x10 14x12 | CFM | 97 | 199 | 296 | 398 | 495 | 592 | 694 | 791 | 892 | 989 |
| | | NC | | | 16 | 24 | 30 | 35 | 39 | 42 | 45 | 48 |
| | | 4-Way, 45° Fixed | 2-3-5 | 4-6-10 | 6-9-15 | 8-12-19 | 10-14-20 | 12-17-24 | 13-20-32 | 15-22-36 | 17-26-41 | 19-28-45 |
| | | 2-Way, 45° Fixed | 2-4-6 | 5-7-12 | 7-11-17 | 10-13-19 | 12-17-24 | 14-21-33 | 16-24-29 | 18-27-43 | 20-31-49 | 23-34-55 |
| | | 1-Way, Straight | 3-4-7 | 6-9-14 | 9-13-21 | 11-17-27 | 14-21-34 | 17-25-40 | 19-29-46 | 22-32-52 | 25-37-59 | 27-41-65 |
| 1.15 | 24x8 18x10 16x12 | CFM | 112 | 223 | 335 | 446 | 558 | 669 | 781 | 892 | 1009 | 1116 |
| | | NC | | | 16 | 25 | 31 | 35 | 39 | 43 | 46 | 49 |
| | | 4-Way, 45° Fixed | 2-3-5 | 4-6-10 | 6-9-15 | 8-12-20 | 10-15-21 | 12-17-25 | 14-21-33 | 16-24-38 | 18-26-42 | 19-29-46 |
| | | 2-Way, 45° Fixed | 2-4-6 | 5-7-12 | 8-11-18 | 10-13-19 | 12-17-25 | 14-21-34 | 17-25-40 | 19-28-45 | 21-31-50 | 23-35-56 |
| | | 1-Way, Straight | 3-5-8 | 6-9-15 | 9-14-22 | 12-17-24 | 15-22-35 | 17-26-41 | 20-29-47 | 22-34-54 | 25-37-60 | 28-42-68 |
| 1.25 | 36x6 20x10 14x14 | CFM | 121 | 243 | 364 | 485 | 606 | 728 | 849 | 970 | 1086 | 1213 |
| | | NC | | | 16 | 25 | 31 | 36 | 40 | 43 | 46 | 49 |
| | | 4-Way, 45° Fixed | 2-3-5 | 4-5-6 | 6-8-11 | 8-12-20 | 10-15-21 | 12-17-25 | 14-21-34 | 16-24-38 | 18-27-43 | 20-29-47 |
| | | 2-Way, 45° Fixed | 2-4-6 | 5-6-8 | 8-10-14 | 10-14-20 | 12-18-26 | 15-22-35 | 17-26-41 | 19-29-46 | 21-32-51 | 24-26-57 |
| | | 1-Way, Straight | 3-5-8 | 6-8-11 | 9-13-18 | 12-17-25 | 15-22-35 | 18-26-42 | 20-30-48 | 23-34-55 | 26-39-62 | 29-43-69 |
| 1.35 | 16x14 18x12 | CFM | 131 | 262 | 393 | 524 | 655 | 786 | 917 | 1048 | 1183 | 1310 |
| | | NC | | | 18 | 25 | 31 | 36 | 40 | 43 | 46 | 49 |
| | | 4-Way, 45° Fixed | 2-4-6 | 4-5-6 | 7-10-16 | 9-13-21 | 10-15-21 | 12-18-26 | 15-22-35 | 16-24-39 | 18-27-43 | 20-30-48 |
| | | 2-Way, 45° Fixed | 3-4-7 | 5-7-9 | 8-12-19 | 10-15-21 | 12-18-26 | 15-22-36 | 18-26-42 | 20-29-47 | 22-33-53 | 25-37-59 |
| | | 1-Way, Straight | 3-5-8 | 6-8-11 | 10-13-19 | 12-17-25 | 15-22-36 | 18-27-43 | 21-31-50 | 23-35-56 | 26-39-63 | 29-44-70 |
| 1.53 | 30x8 24x10 20x12 18x14 16x16 | CFM | 150 | 296 | 446 | 592 | 742 | 892 | 1038 | 1183 | 1339 | 1484 |
| | | NC | | | 18 | 26 | 32 | 37 | 41 | 44 | 47 | 50 |
| | | 4-Way, 45° Fixed | 2-4-6 | 5-6-7 | 7-10-16 | 9-13-21 | 11-15-22 | 13-19-31 | 15-22-36 | 17-25-40 | 19-28-45 | 21-31-50 |
| | | 2-Way, 45° Fixed | 3-4-7 | 5-7-9 | 8-12-19 | 10-15-21 | 13-20-32 | 15-23-37 | 18-27-43 | 20-30-48 | 23-34-55 | 25-37-60 |
| | | 1-Way, Straight | 3-5-8 | 7-9-12 | 10-13-19 | 12-18-26 | 15-23-37 | 18-27-44 | 21-32-51 | 24-26-58 | 27-41-65 | 30-46-73 |
| 1.82 | 36x8 30x10 24x12 20x14 18x16 | CFM | 177 | 354 | 529 | 708 | 883 | 1057 | 1232 | 1416 | 1591 | 1765 |
| | | NC | | | 19 | 27 | 33 | 37 | 41 | 45 | 48 | 52 |
| | | 4-Way, 45° Fixed | 2-4-6 | 5-6-7 | 7-11-17 | 9-14-22 | 11-16-23 | 13-20-32 | 15-23-37 | 18-26-42 | 20-29-47 | 22-33-53 |
| | | 2-Way, 45° Fixed | 3-4-7 | 6-8-10 | 8-12-20 | 11-16-23 | 14-21-33 | 16-24-29 | 19-28-45 | 21-31-50 | 24-36-57 | 26-39-63 |
| | | 1-Way, Straight | 3-5-8 | 7-9-12 | 10-14-20 | 13-20-32 | 16-24-39 | 19-29-46 | 22-34-54 | 25-37-60 | 29-42-68 | 32-48-76 |
| 2.1 | 24x14 30x16 18x18 | CFM | 204 | 407 | 611 | 815 | 1019 | 1222 | 1426 | 1630 | 1833 | 2037 |
| | | NC | 0 | 0 | 20 | 27 | 33 | 38 | 42 | 45 | 48 | 52 |
| | | 4-Way, 45° Fixed | 2-4-6 | 5-6-8 | 8-11-18 | 10-13-19 | 12-17-24 | 14-21-34 | 16-24-39 | 18-27-44 | 20-31-49 | 23-34-55 |
| | | 2-Way, 45° Fixed | 3-4-7 | 6-8-10 | 9-13-21 | 12-17-24 | 14-21-34 | 17-25-40 | 19-29-46 | 22-32-52 | 25-37-59 | 28-41-66 |
| | | 1-Way, Straight | 4-6-9 | 7-10-13 | 10-15-21 | 14-21-33 | 17-25-40 | 20-30-48 | 23-34-55 | 26-39-62 | 29-44-70 | 33-50-80 |
| 2.35 | 36x10 30x12 24x16 20x18 | CFM | 228 | 456 | 684 | 912 | 1145 | 1368 | 1591 | 1824 | 2056 | 2280 |
| | | NC | | | 20 | 28 | 34 | 38 | 42 | 46 | 49 | 53 |
| | | 4-Way, 45° Fixed | 2-4-6 | 5-6-8 | 8-11-18 | 10-14-20 | 12-17-25 | 15-22-35 | 17-25-40 | 19-28-45 | 21-31-50 | 24-36-57 |
| | | 2-Way, 45° Fixed | 3-5-8 | 6-8-11 | 9-14-22 | 12-17-24 | 15-22-35 | 18-26-42 | 20-30-48 | 22-34-54 | 25-38-61 | 28-42-68 |
| | | 1-Way, Straight | 4-6-9 | 7-10-13 | 11-15-22 | 14-21-33 | 18-26-42 | 20-31-49 | 24-36-57 | 27-40-64 | 30-45-72 | 34-51-82 |
| 2.68 | 36x12 30x14 24x18 20x20 | CFM | 262 | 519 | 781 | 1038 | 1300 | 1562 | 1824 | 2076 | 2338 | 2600 |
| | | NC | | | 21 | 28 | 34 | 39 | 43 | 46 | 49 | 53 |
| | | 4-Way, 45° Fixed | 3-4-7 | 5-7-9 | 8-12-19 | 10-15-21 | 12-18-26 | 15-22-36 | 18-26-42 | 20-29-47 | 22-32-52 | 25-37-59 |
| | | 2-Way, 45° Fixed | 3-5-8 | 6-8-11 | 9-14-22 | 12-17-25 | 15-22-36 | 20-30-48 | 20-31-49 | 23-35-56 | 26-39-62 | 29-44-70 |
| | | 1-Way, Straight | 4-6-9 | 8-10-14 | 11-16-23 | 15-22-35 | 18-27-43 | 21-32-51 | 25-37-59 | 28-41-66 | 31-47-75 | 35-53-85 |
| 3.15 | 36x16 30x18 24x24 | CFM | 306 | 611 | 917 | 1222 | 1533 | 1833 | 2134 | 2444 | 2755 | 3056 |
| | | NC | | 10 | 21 | 29 | 35 | 40 | 44 | 47 | 50 | 54 |
| | | 4-Way, 45° Fixed | 3-4-7 | 5-7-9 | 8-12-19 | 11-15-22 | 13-19-31 | 15-23-37 | 18-27-43 | 20-31-49 | 23-34-55 | 26-39-62 |
| | | 2-Way, 45° Fixed | 3-5-8 | 7-9-12 | 10-14-20 | 12-18-26 | 16-24-38 | 19-28-45 | 21-32-51 | 24-36-58 | 27-41-65 | 30-46-73 |
| | | 1-Way, Straight | 4-5-6 | 8-11-15 | 12-17-24 | 15-22-36 | 19-28-45 | 22-3-53 | 26-39-62 | 29-43-69 | 33-49-79 | 37-56-89 |
| 3.65 | 36x18 30x20 | CFM | 354 | 708 | 1067 | 1416 | 1765 | 2124 | 2483 | 2832 | 3182 | 3541 |
| | | NC | | 11 | 22 | 30 | 36 | 40 | 44 | 48 | 52 | 55 |
| | | 4-Way, 45° Fixed | 3-4-7 | 5-7-9 | 8-12-19 | 11-15-22 | 13-19-31 | 15-23-37 | 18-27-43 | 21-31-50 | 24-36-57 | 27-40-64 |
| | | 2-Way, 45° Fixed | 3-5-8 | 7-9-12 | 10-14-20 | 12-18-26 | 16-24-38 | 19-28-45 | 21-32-51 | 25-37-60 | 28-42-68 | 32-48-76 |
| | | 1-Way, Straight | 4-5-6 | 8-11-15 | 12-17-24 | 15-22-36 | 19-28-45 | 22-33-53 | 26-39-62 | 30-45-72 | 34-51-83 | 38-57-92 |

CFM: Cubic Feet per Minute

*All pressures are in inches of water.

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FPM: Feet per Minute

* Blank areas denote NC values less than 10 and CFM values less than 50.

TP: Total Pressure, inches w.g.

*Throw values are measured in feet for terminal velocities of 150/100/50 FPM.

T: Throw in feet

*Throw values are based on fixed louvers set at 45 degrees.

NC: Noise Criteria

* Throw may be increased or decreased by as much as 20% by changing angle of louver.