

Performance Data



904 Series

| Duct Size | Core Eff. Area (ft ²) | Neck Velocity (FPM) Velocity Pressure | 300 | 400 | 500 | 600 | 700 | 800 | 1000 | 1200 | 1400 |
|---------------|-----------------------------------|--|-------|---------|-----------|------------|------------|------------|------------|----------|----------|
| | | | 0.004 | 0.008 | 0.013 | 0.018 | 0.025 | 0.033 | 0.051 | 0.074 | 0.1 |
| 6x4 | 0.111 | CFM | 33 | 44 | 55 | 66 | 77 | 89 | 111 | 133 | 155 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 40 |
| | | Throw (ft.) | 4 | 4.5 5.5 | 5 6 8 | 6 7 9 | 7 8 12 | 8 9 12 | 11 12 14 | 11 13 19 | 12 14 22 |
| 7x4 | 0.130 | CFM | 39 | 52 | 65 | 78 | 91 | 104 | 130 | 156 | 182 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 40 |
| | | Throw (ft.) | 4 | 5 6 6 | 6.5 8.5 | 7 8 10 | 8 9 13 | 9 10 13 | 12 13 15 | 12 14 21 | 14 16 24 |
| 6x5 | 0.141 | CFM | 42 | 56 | 71 | 85 | 99 | 113 | 141 | 169 | 197 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 40 |
| | | Throw (ft.) | 4 | 5 6 6 | 6.5 8.5 | 7 8 10 | 8 9 13 | 10 11 14 | 12 13 16 | 13 15 23 | 15 17 26 |
| 10x4 | 0.191 | CFM | 57 | 76 | 95 | 115 | 134 | 153 | 191 | 229 | 267 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 45 |
| | | Throw (ft.) | 5 | 5.5 6.5 | 6 7 9 | 8 9 11 | 9 10 14 | 11 12 16 | 12 13.5 18 | 14 16 24 | 16 18 28 |
| 8x6 12x4 | 0.237 | CFM | 71 | 95 | 118 | 142 | 166 | 189 | 237 | 284 | 331 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 45 |
| | | Throw (ft.) | 5 | 5.5 6.5 | 6 7 9 | 8 9 11 | 9 10 14 | 11 12 16 | 12 13.5 18 | 14 16 24 | 16 18 28 |
| 14x4 | 0.271 | CFM | 81 | 108 | 136 | 163 | 190 | 217 | 271 | 325 | 380 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 45 |
| | | Throw (ft.) | 5 | 6.5 7.5 | 7 8 10 | 10 11 13 | 11 12 16 | 13 14.5 20 | 14 16 22 | 16 19 29 | 19 22 34 |
| 10x6 16x4 | 0.311 | CFM | 93 | 125 | 156 | 187 | 218 | 249 | 311 | 374 | 436 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 45 |
| | | Throw (ft.) | 5 | 6.5 7.5 | 7 8 10 | 10 11 13 | 11 12 16 | 13 14.5 20 | 14 16 22 | 16 19 29 | 19 22 34 |
| 12x6 18x4 | 0.362 | CFM | 109 | 145 | 181 | 217 | 254 | 290 | 362 | 435 | 507 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 45-50 |
| | | Throw (ft.) | 6 | 7 8 8 | 9 11 | 10 11.5 14 | 12 13 18 | 14 16 21 | 16 18 24 | 18 21 32 | 22 26 38 |
| 10x8 14x6 | 0.425 | CFM | 128 | 170 | 213 | 255 | 298 | 340 | 425 | 510 | 595 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 45-50 |
| | | Throw (ft.) | 6 | 7.5 9 9 | 10 12 | 11 12 14.5 | 12 13.5 19 | 14 16 22 | 17 19 25 | 19 22 33 | 22 26 39 |
| 12x8 16x6 | 0.494 | CFM | 148 | 198 | 247 | 296 | 346 | 395 | 494 | 593 | 691 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 45-50 |
| | | Throw (ft.) | 7 | 8 10 9 | 10 12 | 11 12.5 16 | 13 14.5 20 | 15 17 23 | 17 20 26 | 19 22 34 | 23 27 40 |
| 10x10 18x6 | 0.517 | CFM | 155 | 207 | 258 | 310 | 362 | 413 | 517 | 620 | 723 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 45-50 |
| | | Throw (ft.) | 7 | 8 10 9 | 10 12 | 11 12.5 16 | 13 14.5 20 | 15 17 23 | 17 20 27 | 20 23 34 | 23 27 41 |
| 14x8 | 0.580 | CFM | 174 | 232 | 290 | 348 | 406 | 464 | 580 | 695 | 811 |
| | | NC | <20 | <20 | <20 | 20 | 25 | 30 | 35 | 40 | 45-50 |
| | | Throw (ft.) | 7 | 8 10 9 | 10.5 12.5 | 12 13 17 | 13 15 21 | 16 18 24 | 18 21 28 | 20 23 36 | 24 28 43 |

Performance Data



904 Series

| Duct Size | Core Eff. Area (ft ²) | Neck Velocity (FPM) Velocity Pressure | 300 | | 400 | | 500 | | 600 | | 700 | | 800 | | 1000 | | 1200 | | 1400 | | | | | | | | |
|----------------|-----------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|------|----|-------|----|-------|----|-------|----|-------|----|----|----|----|----|----|----|----|
| | | | 0.004 | 0.008 | 0.013 | 0.018 | 0.025 | 0.033 | 0.051 | 0.074 | 0.1 | | | | | | | | | | | | | | | | |
| 12x10 20x6 | 0.625 | CFM | 188 | | 250 | | 313 | | 375 | | 438 | | 500 | | 625 | | 750 | | 875 | | | | | | | | |
| | | NC | <20 | | <20 | | <20 | | 20 | | 25 | | 30 | | 35 | | 40 | | 45-50 | | | | | | | | |
| | | Throw (ft.) | 7 | 8.5 | 10.5 | 9 | 10.5 | 13 | 12 | 13.5 | 17 | 14 | 15.5 | 21 | 16 | 18 | 25 | 18 | 21 | 28 | 20 | 24 | 37 | 25 | 29 | 44 | 29 |
| 16x8 | 0.665 | CFM | 200 | | 266 | | 333 | | 399 | | 466 | | 532 | | 665 | | 798 | | 931 | | | | | | | | |
| | | NC | <20 | | <20 | | <20 | | 20 | | 25 | | 30 | | 35-40 | | 40-45 | | >55 | | | | | | | | |
| | | Throw (ft.) | 8 | 8.5 | 10.5 | 10 | 11 | 13.5 | 13 | 14.5 | 18 | 14 | 16 | 22 | 17 | 19 | 26 | 18 | 21 | 29 | 21 | 25 | 38 | 25 | 30 | 45 | 30 |
| 12x12 18x8 | 0.757 | CFM | 227 | | 303 | | 378 | | 454 | | 530 | | 605 | | 757 | | 908 | | 1059 | | | | | | | | |
| | | NC | <20 | | <20 | | <20 | | 20 | | 25 | | 30 | | 35-40 | | 40-45 | | >55 | | | | | | | | |
| | | Throw (ft.) | 8 | 9 | 11 | 10 | 11.5 | 14.5 | 14 | 16 | 19 | 15 | 17 | 23 | 17 | 20 | 27 | 19 | 22 | 30 | 22 | 26 | 40 | 27 | 32 | 48 | 31 |
| 16x10 20x8 | 0.842 | CFM | 253 | | 337 | | 421 | | 505 | | 589 | | 674 | | 842 | | 1010 | | 1179 | | | | | | | | |
| | | NC | <20 | | <20 | | <20 | | 20 | | 25 | | 30 | | 35-40 | | 40-45 | | >55 | | | | | | | | |
| | | Throw (ft.) | 9 | 10 | 12 | 11 | 12.5 | 15 | 14 | 16 | 20 | 16 | 18 | 24 | 18 | 21 | 29 | 21 | 24 | 32 | 24 | 29 | 43 | 28 | 34 | 52 | 33 |
| 18x10 | 0.951 | CFM | 285 | | 380 | | 475 | | 571 | | 666 | | 761 | | 951 | | 1141 | | 1331 | | | | | | | | |
| | | NC | <20 | | <20 | | 20 | | 25 | | 30 | | 30-35 | | 35-40 | | 40-45 | | >55 | | | | | | | | |
| | | Throw (ft.) | 10 | 11 | 13.5 | 13 | 15 | 19 | 16 | 19 | 23 | 18 | 21 | 28 | 21 | 24 | 35 | 24 | 28 | 38 | 28 | 33 | 50 | 34 | 41 | 59 | 38 |
| 14x14 20x10 | 1.042 | CFM | 313 | | 417 | | 521 | | 625 | | 729 | | 834 | | 1042 | | 1251 | | 1459 | | | | | | | | |
| | | NC | <20 | | <20 | | 20 | | 25 | | 30 | | 30-35 | | 35-40 | | 40-45 | | >55 | | | | | | | | |
| | | Throw (ft.) | 10 | 11.5 | 14.5 | 14 | 16 | 20 | 17 | 20 | 24 | 19 | 22 | 30 | 22 | 26 | 37 | 25 | 30 | 40 | 29 | 35 | 53 | 35 | 42 | 62 | 40 |
| 18x12 26x8 | 1.151 | CFM | 345 | | 460 | | 575 | | 690 | | 805 | | 921 | | 1151 | | 1381 | | 1611 | | | | | | | | |
| | | NC | <20 | | <20 | | 20 | | 25 | | 30 | | 30-35 | | 35-40 | | 40-45 | | >55 | | | | | | | | |
| | | Throw (ft.) | 10 | 11.5 | 14.5 | 14 | 16 | 20 | 17 | 20 | 24 | 20 | 23 | 31 | 22 | 26 | 37 | 26 | 31 | 41 | 29 | 35 | 53 | 35 | 42 | 64 | 43 |
| 16x14 | 1.196 | CFM | 359 | | 479 | | 598 | | 718 | | 837 | | 957 | | 1196 | | 1436 | | 1675 | | | | | | | | |
| | | NC | <20 | | <20 | | 20 | | 25 | | 30 | | 30-35 | | 35-40 | | 40-45 | | >55 | | | | | | | | |
| | | Throw (ft.) | 11 | 12 | 15 | 15 | 17 | 21 | 18 | 21 | 24 | 20 | 23 | 33 | 24 | 28 | 39 | 27 | 32 | 43 | 30 | 36 | 56 | 36 | 44 | 66 | 45 |
| 16x16 | 1.373 | CFM | 412 | | 549 | | 687 | | 824 | | 961 | | 1099 | | 1373 | | 1648 | | 1923 | | | | | | | | |
| | | NC | <20 | | <20 | | 20 | | 25 | | 30 | | 30-35 | | 35-40 | | 40-45 | | >55 | | | | | | | | |
| | | Throw (ft.) | 12 | 13 | 16 | 16 | 18 | 22 | 19 | 22 | 26 | 21 | 25 | 35 | 25 | 30 | 41 | 28 | 34 | 46 | 33 | 39 | 60 | 38 | 47 | 71 | 46 |
| 24x12 28x10 | 1.545 | CFM | 463 | | 618 | | 772 | | 927 | | 1081 | | 1236 | | 1545 | | 1854 | | 2163 | | | | | | | | |
| | | NC | <20 | | <20 | | 20 | | 25 | | 30 | | 30-35 | | 35-40 | | 40-45 | | >55 | | | | | | | | |
| | | Throw (ft.) | 13 | 14.5 | 18 | 17 | 19 | 23 | 20 | 23 | 28 | 23 | 27 | 37 | 27 | 32 | 43 | 30 | 36 | 48 | 35 | 42 | 64 | 40 | 50 | 76 | 48 |
| 18x18 32x10 | 1.750 | CFM | 525 | | 700 | | 875 | | 1050 | | 1225 | | 1400 | | 1750 | | 2100 | | 2450 | | | | | | | | |
| | | NC | <20 | | <20 | | 20 | | 25 | | 30 | | 30-35 | | 35-40 | | 40-45 | | >55 | | | | | | | | |
| | | Throw (ft.) | 13 | 14.5 | 18 | 18 | 20 | 24 | 21 | 24 | 30 | 24 | 28 | 38 | 27 | 32 | 44 | 31 | 37 | 51 | 36 | 44 | 66 | 43 | 53 | 79 | 50 |
| 30x12 26x14 | 1.967 | CFM | 590 | | 787 | | 984 | | 1180 | | 1377 | | 1574 | | 1967 | | 2361 | | 2754 | | | | | | | | |
| | | NC | <20 | | <20 | | 20 | | 25 | | 30 | | 30-35 | | 35-40 | | 45-50 | | >55 | | | | | | | | |
| | | Throw (ft.) | 14 | 16 | 20 | 19 | 22 | 26 | 22 | 26 | 32 | 25 | 30 | 40 | 29 | 35 | 47 | 33 | 40 | 54 | 38 | 47 | 71 | 46 | 57 | 85 | 53 |

Performance Data



904 Series

| Duct Size | Core Eff. Area (ft ²) | Neck Velocity (FPM) Velocity Pressure | 300 | 400 | 500 | 600 | 700 | 800 | 1000 | 1200 | 1400 |
|----------------|-----------------------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| | | | 0.004 | 0.008 | 0.013 | 0.018 | 0.025 | 0.033 | 0.051 | 0.074 | 0.1 |
| 36x12 32x14 | 2.430 | CFM | 729 | 972 | 1215 | 1458 | 1701 | 1944 | 2430 | 2916 | 3402 |
| | | NC | <20 | <20 | 20 | 25 | 30 | 30-35 | 35-40 | 45-50 | >55 |
| | | Throw (ft.) | 15 17 21 | 20 23 29 | 25 29 35 | 28 33 45 | 32 38 52 | 36 44 60 | 42 52 78 | 50 62 94 | 59 73 109 |
| 24x24 36x16 | 3.154 | CFM | 946 | 1262 | 1577 | 1893 | 2208 | 2523 | 3154 | 3785 | 4416 |
| | | NC | <20 | 20 | 25 | 30 | 30-35 | 35-40 | 45-50 | 50-55 | >55 |
| | | Throw (ft.) | 17 19 23 | 22 25 31 | 26 31 37 | 29 35 47 | 33 40 54 | 38 46 62 | 43 54 79 | 51 64 95 | 60 75 111 |
| 30x24 | 3.959 | CFM | 1188 | 1584 | 1980 | 2375 | 2771 | 3167 | 3959 | 4751 | 5543 |
| | | NC | <20 | 20 | 25 | 30 | 30-35 | 35-40 | 45-50 | 50-55 | >55 |
| | | Throw (ft.) | 18 21 25 | 23 27 33 | 28 33 39 | 31 37 49 | 35 42 56 | 39 48 64 | 45 56 81 | 53 66 97 | 61 77 113 |
| 48x18 | 4.747 | CFM | 1424 | 1899 | 2374 | 2848 | 3323 | 3798 | 4747 | 5697 | 6646 |
| | | NC | <20 | 20 | 25 | 30 | 30-35 | 35-40 | 45-50 | 50-55 | >55 |
| | | Throw (ft.) | 20 23 27 | 25 29 35 | 29 35 41 | 32 39 51 | 36 44 58 | 40 50 66 | 46 58 83 | 54 68 99 | 62 79 115 |

Performance Notes:

- Performance data calculated with blades set at 0°
- Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- Throw data is based on supply air and room air both at isothermal conditions
- Effective core areas listed in chart are defined as the measurement of space between the blades actually utilized by the air
- Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006