

Performance Data



RD Series Performance Data

| Duct Size | Neck Velocity (FPM) | 400 | 600 | 800 | 1000 | 1200 | 1400 |
|-----------|---------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| | Velocity Pressure | 0.010 | 0.022 | 0.040 | 0.062 | 0.090 | 0.122 |
| | Total Pressure | 0.029 | 0.065 | 0.116 | 0.180 | 0.260 | 0.354 |
| | Static Pressure | 0.019 | 0.043 | 0.076 | 0.118 | 0.170 | 0.232 |
| 6" | CFM | 80 | 120 | 160 | 200 | 235 | 275 |
| | NC | - | 18 | 19 | 26 | 32 | 37 |
| | Throw | 2 2 4 | 2 4 7 | 3 5 8 | 4 6 9 | 5 7 10 | 6 7 11 |
| 8" | CFM | 140 | 210 | 280 | 350 | 420 | 490 |
| | NC | - | - | 21 | 28 | 34 | 39 |
| | Throw | 2 0 7 | 3 5 9 | 4 7 14 | 5 8 12 | 7 9 13 | 8 10 14 |
| 10" | CFM | 218 | 327 | 436 | 545 | 654 | 763 |
| | NC | - | 14 | 23 | 30 | 36 | 41 |
| | Throw | 3 4 8 | 4 6 12 | 5 8 13 | 7 10 15 | 8 12 16 | 10 12 10 |
| 12" | CFM | 314 | 470 | 630 | 785 | 940 | 1100 |
| | NC | - | 16 | 25 | 32 | 38 | 43 |
| | Throw | 3 5 10 | 5 7 14 | 7 10 16 | 8 12 18 | 10 14 20 | 11 15 21 |
| 14" | CFM | 425 | 635 | 850 | 1060 | 1270 | 1490 |
| | NC | 11 | 17 | 26 | 33 | 39 | 44 |
| | Throw | 4 6 10 | 6 8 16 | 8 11 19 | 9 14 21 | 11 16 23 | 13 17 25 |
| 16" | CFM | 560 | 840 | 1120 | 1400 | 1680 | 1960 |
| | NC | 11 | 18 | 27 | 34 | 40 | 45 |
| | Throw | 4 7 13 | 7 10 18 | 9 13 21 | 11 16 24 | 13 18 26 | 15 20 28 |
| 18" | CFM | 710 | 1060 | 1420 | 1770 | 2120 | 2480 |
| | NC | 12 | 19 | 28 | 35 | 41 | 46 |
| | Throw | 5 7 15 | 7 11 21 | 10 15 24 | 12 18 27 | 15 21 29 | 17 22 32 |
| 20" | CFM | 875 | 1310 | 1750 | 2190 | 2610 | 3060 |
| | NC | 13 | 20 | 29 | 36 | 42 | 47 |
| | Throw | 5 8 16 | 8 12 23 | 11 16 27 | 14 20 30 | 16 23 33 | 19 20 34 |
| 24" | CFM | 1260 | 1880 | 2510 | 3140 | 3770 | 4400 |
| | NC | 14 | 22 | 31 | 38 | 43 | 49 |
| | Throw | 7 10 20 | 10 15 28 | 13 20 32 | 16 24 36 | 20 28 39 | 23 30 42 |

Performance Notes:

- 1) Throw values are measured in feet for terminal velocities of 150/100/50 FPM.
- 2) Throw data is based on supply air and room air both at isothermal conditions.
- 3) Throw data provided in up position.
- 4) If the diffuser is mounted on an exposed duct, the throw values are 70% of those listed in the table and will project downward.