

MODEL SEG-9RD - Round Supply Performance Data

5/16" Diameter Holes on 7/16" Stg. Centers

| Nominal Dia | Nom Duct | Core Vel, fpm | 200 | 300 | 400 | 500 | 600 | 700 |
|-------------|-----------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| D | Area, ft ² | Ps | 0.01 | 0.02 | 0.04 | 0.06 | 0.09 | 0.12 |
| 6" | 0.20 | CFM | 20 | 40 | 50 | 60 | 70 | 90 |
| | | NC | <20 | <20 | <20 | 21 | 27 | 31 |
| | | Throw | 2 3 5 | 3 5 10 | 4 7 11 | 5 8 12 | 6 9 13 | 8 11 15 |
| 8" | 0.35 | CFM | 50 | 70 | 100 | 120 | 150 | 170 |
| | | NC | <20 | <20 | <20 | 24 | 30 | 34 |
| | | Throw | 3 5 9 | 4 6 13 | 6 9 16 | 7 11 18 | 9 14 20 | 10 15 21 |
| 10" | 0.55 | CFM | 80 | 130 | 170 | 210 | 250 | 290 |
| | | NC | <20 | <20 | 20 | 27 | 32 | 37 |
| | | Throw | 4 6 11 | 6 9 18 | 8 12 21 | 10 15 23 | 12 18 25 | 14 19 27 |
| 12" | 0.79 | CFM | 130 | 190 | 250 | 320 | 380 | 440 |
| | | NC | <20 | <20 | 22 | 28 | 34 | 39 |
| | | Throw | 5 7 15 | 7 11 22 | 10 14 25 | 12 18 29 | 15 22 31 | 17 24 34 |
| 14" | 1.07 | CFM | 180 | 270 | 350 | 440 | 530 | 620 |
| | | NC | <20 | <20 | 23 | 30 | 35 | 40 |
| | | Throw | 6 9 17 | 9 13 26 | 11 17 30 | 14 21 34 | 17 26 37 | 20 28 40 |
| 16" | 1.40 | CFM | 240 | 360 | 470 | 590 | 710 | 830 |
| | | NC | <20 | <20 | 24 | 31 | 37 | 41 |
| | | Throw | 7 10 20 | 10 15 30 | 13 20 35 | 17 25 39 | 20 30 43 | 23 33 46 |
| 18" | 1.77 | CFM | 310 | 460 | 610 | 770 | 920 | 1070 |
| | | NC | <20 | <20 | 25 | 32 | 38 | 42 |
| | | Throw | 8 11 23 | 11 17 34 | 15 23 40 | 19 28 45 | 23 34 49 | 26 37 53 |
| 20" | 2.18 | CFM | 380 | 580 | 770 | 960 | 1150 | 1340 |
| | | NC | <20 | <20 | 26 | 33 | 39 | 43 |
| | | Throw | 8 13 25 | 13 19 38 | 17 25 45 | 21 32 50 | 25 38 55 | 29 42 59 |
| 24" | 3.14 | CFM | 560 | 850 | 1130 | 1410 | 1690 | 1980 |
| | | NC | <20 | <20 | 28 | 35 | 40 | 45 |
| | | Throw | 10 15 30 | 15 23 46 | 20 31 54 | 26 38 61 | 31 46 66 | 36 51 72 |

Data determined in accordance with ANSI/ASHRAE Standard 70-1991

Data based on Actual Neck Size = Nominal Neck Size - 1/4"

Ps - Static Pressure, inches w.g.

Throw - Distance, in feet, to terminal velocities of 150,100,50 fpm, respectively.

NC - Noise Criteria based on room attenuation of 10 dB

For Return use, -Ps = Ps (above) x 1.2, NC = NC (above) +2