

# 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 <sup>2</sup>	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