

# MODEL SEG-9 - Supply Performance Data

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

Nominal Size		Nom Duct Area, ft <sup>2</sup>	Core Vel, fpm	200	300	400	500	600	700
W	H								
Width	Height		Ps	0.01	0.02	0.04	0.06	0.09	0.12
6"	6"	0.25	CFM	30	50	60	80	90	110
			NC	<20	<20	<20	22	28	32
			Throw	2   3   7	4   6   11	5   7   12	6   9   14	7   10   15	8   12   17
8"	8"	0.44	CFM	60	90	130	160	190	220
			NC	<20	<20	<20	25	31	36
			Throw	3   5   10	5   7   15	7   11   18	9   13   20	10   15   22	12   17   24
10"	8"	0.56	CFM	80	120	160	210	250	290
			NC	<20	<20	20	26	32	37
			Throw	4   6   11	6   9   17	8   11   20	10   15   23	12   18   25	14   19   27
10"	10"	0.69	CFM	110	160	210	270	320	370
			NC	<20	<20	21	28	33	38
			Throw	5   7   14	7   10   20	9   13   23	11   17   26	13   20   29	15   22   31
12"	12"	1.00	CFM	160	240	320	400	480	560
			NC	<20	<20	23	29	35	40
			Throw	5   8   16	8   12   24	11   16   29	14   20   32	16   24   35	19   27   38
14"	14"	1.36	CFM	230	340	450	560	680	790
			NC	<20	<20	24	31	36	41
			Throw	7   10   20	10   15   29	13   19   34	16   24   38	20   29   42	23   32   45
18"	14"	1.75	CFM	300	440	590	740	890	1040
			NC	<20	<20	25	32	38	42
			Throw	8   11   23	11   17   33	15   22   39	19   28   44	22   33   48	26   37   52
18"	18"	2.25	CFM	390	580	780	970	1170	1360
			NC	<20	<20	26	33	39	43
			Throw	9   13   26	13   19   38	17   26   45	21   32   50	26   38   55	30   42   59
20"	20"	2.78	CFM	490	730	980	1220	1460	1710
			NC	<20	<20	27	34	40	44
			Throw	10   14   29	14   21   43	19   29   50	24   36   56	28   43   62	33   47   67
24"	24"	4.00	CFM	720	1080	1440	1800	2160	2520
			NC	<20	20	29	36	41	46
			Throw	12   17   35	17   26   52	23   35   61	29   43   68	35   52   75	41   57   81
32"	32"	7.11	CFM	1310	1970	2630	3280	3940	4600
			NC	<20	23	32	38	44	49
			Throw	16   23   47	23   35   70	31   47   83	39   59   92	47   70   101	55   77   109

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



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# 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