

MODEL SEG-9 - Supply Performance Data

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

Nominal Size		Nom Duct Area, ft ²	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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