

MODEL SEG-4 - Supply Performance Data

13/16" Square Holes on 1" Centers; No Deflectors

Nominal Size		Nom Duct Area, ft ²	Core Vel, fpm Ps	300	400	500	600	700	800	900
W Width	H Height			0.01	0.02	0.02	0.03	0.05	0.06	0.08
6"	6"	0.25	CFM	69	92	115	138	161	184	207
			NC	<20	<20	<20	<20	23	28	32
8"	8"	0.44	CFM	125	167	209	250	292	334	375
			NC	<20	<20	<20	21	26	31	35
10"	8"	0.56	CFM	157	210	262	315	367	420	472
			NC	<20	<20	<20	22	28	33	37
10"	10"	0.69	CFM	198	264	330	396	462	528	594
			NC	<20	<20	<20	23	29	34	38
12"	12"	1.00	CFM	288	384	479	575	671	767	863
			NC	<20	<20	<20	26	31	36	41
14"	14"	1.36	CFM	394	525	656	788	919	1050	1182
			NC	<20	<20	21	28	33	38	42
18"	14"	1.75	CFM	508	678	847	1017	1186	1356	1525
			NC	<20	<20	23	29	35	40	44
18"	18"	2.25	CFM	656	875	1094	1313	1532	1750	1969
			NC	<20	<20	24	31	36	41	46
20"	20"	2.78	CFM	813	1084	1354	1625	1896	2167	2438
			NC	<20	<20	25	32	38	43	47
24"	24"	4.00	CFM	1175	1567	1959	2350	2742	3134	3525
			NC	<20	<20	28	34	40	45	49
32"	32"	7.11	CFM	2100	2800	3500	4200	4900	5600	6300
			NC	<20	23	31	38	43	48	53

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.

NC - Noise Criteria based on room attenuation of 10 dB



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MODEL SEG-4 - Return Performance Data

13/16" Square Holes on 1" Centers; No Deflectors

Nominal Size		Nom Duct Area, ft2	Core Vel, fpm Ps	300	400	500	600	700	800	900
W Width	H Height									
6"	6"	0.25	CFM	69	92	115	138	161	184	207
			NC	<20	<20	<20	<20	25	30	34
8"	8"	0.44	CFM	125	167	209	250	292	334	375
			NC	<20	<20	<20	23	28	33	37
10"	8"	0.56	CFM	157	210	262	315	367	420	472
			NC	<20	<20	<20	24	30	35	39
10"	10"	0.69	CFM	198	264	330	396	462	528	594
			NC	<20	<20	<20	25	31	36	40
12"	12"	1.00	CFM	288	384	479	575	671	767	863
			NC	<20	<20	21	28	33	38	43
14"	14"	1.36	CFM	394	525	656	788	919	1050	1182
			NC	<20	<20	23	30	35	40	44
18"	14"	1.75	CFM	508	678	847	1017	1186	1356	1525
			NC	<20	<20	25	31	37	42	46
18"	18"	2.25	CFM	656	875	1094	1313	1532	1750	1969
			NC	<20	<20	26	33	38	43	48
20"	20"	2.78	CFM	813	1084	1354	1625	1896	2167	2438
			NC	<20	<20	27	34	40	45	49
24"	24"	4.00	CFM	1175	1567	1959	2350	2742	3134	3525
			NC	<20	22	30	36	42	47	51
32"	32"	7.11	CFM	2100	2800	3500	4200	4900	5600	6300
			NC	<20	25	33	40	45	50	55

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.

NC - Noise Criteria based on room attenuation of 10 dB



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MODEL SEG-4P - Supply Performance Data

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

Nominal Size		Nom Duct Area, ft2	Core Vel, fpm Ps	200	300	400	500	600	700
W Width	H Height			0.01	0.02	0.04	0.06	0.09	0.12
6"	6"	0.25	CFM	50	70	90	110	140	160
			NC	<20	<20	<20	24	29	34
			Throw	3 5 10	4 7 13	6 9 15	7 10 17	9 13 19	10 14 20
8"	8"	0.44	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
10"	8"	0.56	CFM	100	160	210	260	310	370
			NC	<20	<20	21	28	33	38
			Throw	4 6 13	7 10 20	9 13 23	11 16 26	13 20 28	16 22 31
10"	10"	0.69	CFM	130	200	260	330	400	460
			NC	<20	<20	22	29	34	39
			Throw	5 7 15	8 11 23	10 15 26	12 19 29	15 23 32	17 24 35
12"	12"	1.00	CFM	190	290	380	480	580	670
			NC	<20	<20	23	30	36	40
			Throw	6 9 18	9 14 27	12 18 31	15 22 35	18 27 39	21 30 42
14"	14"	1.36	CFM	260	390	530	660	790	920
			NC	<20	<20	25	31	37	42
			Throw	7 10 21	10 16 31	14 21 37	18 26 41	21 32 45	24 35 49
18"	14"	1.75	CFM	340	510	680	850	1020	1190
			NC	<20	<20	26	33	38	43
			Throw	8 12 24	12 18 36	16 24 42	20 30 47	24 36 51	28 39 56
18"	18"	2.25	CFM	440	660	880	1090	1310	1530
			NC	<20	<20	27	34	39	44
			Throw	9 14 27	14 20 41	18 27 48	22 34 53	27 40 58	32 45 63
20"	20"	2.78	CFM	540	810	1080	1350	1630	1900
			NC	<20	<20	28	35	40	45
			Throw	10 15 30	15 22 45	20 30 53	25 37 59	30 45 65	35 50 70
24"	24"	4.00	CFM	780	1180	1570	1960	2350	2740
			NC	<20	21	29	36	42	46
			Throw	12 18 36	18 27 55	24 36 64	30 45 71	36 54 78	42 60 84
32"	32"	7.11	CFM	1400	2100	2800	3500	4200	4900
			NC	<20	23	32	39	44	49
			Throw	16 24 48	24 36 73	32 48 85	40 60 95	48 73 104	56 80 113

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

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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