



MODEL SEC-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 Width	H 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



Performance Data

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

A J Manufacturing Company, Inc.
 3601 E. 18th St. • P.O. Box 270320
 Kansas City, MO 64127-0320

Phone: (816) 231-5522
Fax: (816) 231-8437
Website: www.ajmfg.com