

# MODEL SEG-8 - Supply Performance Data

## 3/4" Square Holes on 1" Centers

Nominal Size		Nom Duct Area, ft2	Core Vel, fpm Ps	200	300	400	500	600	700	800
W Width	H Height									
6"	6"	0.25	CFM	31	47	63	78	94	110	125
			NC	<20	<20	<20	<20	21	27	32
8"	8"	0.44	CFM	63	95	127	158	190	221	253
			NC	<20	<20	<20	<20	26	31	36
10"	8"	0.56	CFM	82	123	164	205	246	287	328
			NC	<20	<20	<20	21	27	33	38
10"	10"	0.69	CFM	106	160	213	266	319	372	425
			NC	<20	<20	<20	22	29	34	39
12"	12"	1.00	CFM	161	241	321	401	482	562	642
			NC	<20	<20	<20	25	31	37	42
14"	14"	1.36	CFM	226	339	452	564	677	790	903
			NC	<20	<20	<20	27	33	39	44
18"	14"	1.75	CFM	297	445	593	742	890	1038	1186
			NC	<20	<20	20	28	35	41	46
18"	18"	2.25	CFM	390	585	779	974	1169	1364	1559
			NC	<20	<20	22	30	37	42	47
20"	20"	2.78	CFM	488	732	977	1221	1465	1709	1953
			NC	<20	<20	23	31	38	44	49
24"	24"	4.00	CFM	719	1078	1438	1797	2157	2516	2875
			NC	<20	<20	26	34	40	46	51
32"	32"	7.11	CFM	1313	1970	2627	3283	3940	4596	5253
			NC	<20	<20	29	37	44	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-8 - Return Performance Data

## 3/4" Square Holes on 1" Centers

Nominal Size		Nom Duct Area, ft <sup>2</sup>	Core Vel, fpm Ps	200	300	400	500	600	700	800
W Width	H Height									
6"	6"	0.25	CFM	31	47	63	78	94	110	125
			NC	<20	<20	<20	<20	23	29	34
8"	8"	0.44	CFM	63	95	127	158	190	221	253
			NC	<20	<20	<20	21	28	33	38
10"	8"	0.56	CFM	82	123	164	205	246	287	328
			NC	<20	<20	<20	23	29	35	40
10"	10"	0.69	CFM	106	160	213	266	319	372	425
			NC	<20	<20	<20	24	31	36	41
12"	12"	1.00	CFM	161	241	321	401	482	562	642
			NC	<20	<20	<20	27	33	39	44
14"	14"	1.36	CFM	226	339	452	564	677	790	903
			NC	<20	<20	21	29	35	41	46
18"	14"	1.75	CFM	297	445	593	742	890	1038	1186
			NC	<20	<20	22	30	37	43	48
18"	18"	2.25	CFM	390	585	779	974	1169	1364	1559
			NC	<20	<20	24	32	39	44	49
20"	20"	2.78	CFM	488	732	977	1221	1465	1709	1953
			NC	<20	<20	25	33	40	46	51
24"	24"	4.00	CFM	719	1078	1438	1797	2157	2516	2875
			NC	<20	<20	28	36	42	48	53
32"	32"	7.11	CFM	1313	1970	2627	3283	3940	4596	5253
			NC	<20	21	31	39	46	52	57

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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