

## MODEL SEG-6 - Supply Performance Data

Nominal Size		Nom Duct Area, ft <sup>2</sup>	# 2" X 2" Holes (7/8" FRET)	Core Vel, fpm	300	400	500	600	700	800	900	1000	1200																		
W	H			Ps	0.01	0.02	0.04	0.05	0.07	0.10	0.12	0.15	0.22																		
Width	Height			CFM	30	40	60	70	80	90	100	110	130																		
6"	6"	0.25	2 x 2 (7/8" FRET)	NC	<20	<20	<20	<20	21	25	28	31	36																		
				Throw	2	4	9	3	6	12	6	9	14	7	11	15	8	12	16	9	12	17	10	13	18	11	14	19	12	15	21
				CFM	50	70	80	100	120	130	150	170	200																		
10"	8"	0.56	3 x 2	NC	<20	<20	<20	<20	23	27	30	33	38																		
				Throw	3	6	13	6	9	15	7	10	16	8	13	18	10	14	20	11	15	21	13	16	23	14	17	24	15	18	26
				CFM	80	100	130	150	180	200	230	250	300																		
10"	10"	0.69	3 x 3	NC	<20	<20	<20	20	25	28	32	34	39																		
				Throw	4	8	16	6	10	18	9	13	21	10	15	23	12	17	25	14	18	26	16	20	28	17	21	29	18	23	32
				CFM	130	180	220	270	310	360	400	440	530																		
12"	12"	1.00	4 x 4	NC	<20	<20	<20	23	27	31	34	37	42																		
				Throw	4	10	20	8	14	25	11	17	27	14	21	30	16	23	32	19	25	35	21	26	37	22	27	39	24	30	42
				CFM	200	270	330	400	470	530	600	670	800																		
18"	14"	1.75	6 x 4	NC	<20	<20	20	25	29	33	36	39	44																		
				Throw	6	13	25	10	17	30	14	21	33	17	25	37	20	28	40	22	30	42	25	32	45	27	34	48	30	37	52
				CFM	300	400	500	600	700	800	900	1000	1200																		
18"	18"	2.25	6 x 6	NC	<20	<20	21	26	31	34	38	40	45																		
				Throw	7	15	31	12	21	37	17	26	41	21	31	45	24	34	49	28	37	52	31	39	55	34	41	58	37	45	64
				CFM	530	710	890	1070	1240	1420	1600	1780	2130																		
24"	24"	4.00	8 x 8	NC	<20	<20	24	29	33	37	40	43	48																		
				Throw	9	20	41	16	27	49	23	34	55	28	41	60	32	46	65	37	49	69	41	52	74	45	55	78	49	60	85
				CFM	830	1110	1390	1670	1940	2220	2500	2780	3330																		
30"	30"	6.25	10 x 10	NC	<20	20	26	31	35	39	42	45	50																		
				Throw	11	26	51	20	34	61	29	43	69	34	52	75	40	57	81	46	61	87	52	65	92	56	69	97	61	75	106
				CFM	1200	1600	2000	2400	2800	3200	3600	4000	4800																		
36"	36"	9.00	12 x 12	NC	<20	21	27	32	37	40	44	46	51																		
				Throw	14	31	62	24	41	74	34	52	82	41	62	90	48	69	97	55	74	104	62	78	110	67	82	116	74	90	127
				CFM	1200	1600	2000	2400	2800	3200	3600	4000	4800																		

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), NC = NC (above) +2



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