

**MODEL SEG-9SP2 - 1/8" Dia. Holes on 3/16" Staggered Centers - Supply Performance Data**

Nominal Size		Nom Duct Area, ft <sup>2</sup>	Core Vel, fpm	Core Vel, fpm											
W Width	H Height			200	250	300	350	400	500	600	700	800	Ps		
6"	6"	0.25	Ps	0.01	0.02	0.03	0.04	0.06	0.09	0.12	0.17	0.22			
			CFM	30	40	50	50	60	80	90	110	130			
			NC	<20	<20	<20	<20	<20	<20	<20	<20	23	27		
			Throw	3   5   10	5   7   14	6   9   17	6   9   17	7   10   21	9   14   25	10   16   27	13   19   30	15   23   32			
8"	8"	0.44	CFM	60	80	90	110	130	160	190	220	250			
			NC	<20	<20	<20	<20	<20	<20	21	26	30			
			Throw	5   7   15	7   10   20	7   11   22	9   13   27	11   16   32	13   20   36	16   23   39	18   27   42	20   31   45			
			CFM	80	100	120	140	160	210	250	290	330			
10"	8"	0.56	NC	<20	<20	<20	<20	<20	<20	22	27	31			
			Throw	6   9   17	7   11   22	9   13   26	10   15   30	11   17   34	15   23   41	18   27   45	21   31   48	24   36   51			
			CFM	110	130	160	190	210	270	320	370	430			
			NC	<20	<20	<20	<20	<20	<20	23	28	32			
10"	10"	0.69	Throw	7   10   21	8   12   25	10   15   30	12   18   36	13   20   40	17   26   46	20   30   51	23   35   54	27   41   59			
			CFM	160	200	240	280	320	400	480	560	640			
			NC	<20	<20	<20	<20	<20	<20	25	30	34			
			Throw	8   12   25	10   15   31	12   18   37	14   22   43	16   25   49	21   31   57	25   37   62	29   43   67	33   49   72			
14"	14"	1.36	CFM	230	280	340	400	450	560	680	790	900			
			NC	<20	<20	<20	<20	<20	21	27	32	36			
			Throw	10   15   30	12   18   36	15   22   44	17   26   52	19   29   58	24   36   67	29   44   74	34   51   79	39   58   85			
			CFM	300	370	440	520	590	740	890	1040	1190			
18"	14"	1.75	NC	<20	<20	<20	<20	<20	22	28	33	37			
			Throw	11   17   34	14   21   42	17   25   50	20   29   59	22   33   67	28   42   77	34   50   84	39   59   91	45   67   98			
			CFM	390	490	580	680	780	970	1170	1360	1560			
			NC	<20	<20	<20	<20	<20	23	29	34	38			
18"	18"	2.25	Throw	13   19   39	16   24   48	19   29   57	22   34   67	26   39   77	32   48   88	39   58   97	45   67   104	51   77   112			
			CFM	490	610	730	850	980	1220	1460	1710	1950			
			NC	<20	<20	<20	<20	<20	24	30	35	39			
			Throw	14   22   43	18   27   54	21   32   64	25   38   75	29   43   87	36   54   99	43   64   108	50   76   117	57   86   125			
24"	24"	4.00	CFM	720	900	1080	1260	1440	1800	2160	2520	2880			
			NC	<20	<20	<20	<20	<20	26	32	37	41			
			Throw	17   26   52	22   33   66	26   39   79	31   46   92	35   52   105	44   66   120	52   79   131	61   92   142	70   105   152			
			CFM	1150	1440	1720	2010	2300	2870	3440	4020	4590			
30"	30"	6.25	NC	<20	<20	<20	<20	21	28	34	39	43			
			Throw	22   33   66	28   41   83	33   50   99	39   58   116	44   66   132	55   83   152	66   99   166	77   116   179	88   132   192			
			CFM	1680	2100	2520	2940	3350	4190	5030	5870	6710			
			NC	<20	<20	<20	<20	22	30	35	40	44			
36"	36"	9.00	Throw	27   40   80	33   50   100	40   60   120	47   70   140	53   80   160	67   100   183	80   120   201	93   140   217	107   160   232			

**MODEL SEG-9SP3 - 3/16" Dia. Holes on 9/32" Staggered Centers - Supply Performance Data**

Nominal Size		Nom Duct Area, ft <sup>2</sup>	Core Vel, fpm	Core Vel, fpm											
W Width	H Height			200	250	300	350	400	500	600	700	800	Ps		
6"	6"	0.25	Ps	0.01	0.02	0.03	0.04	0.05	0.08	0.11	0.15	0.19			
			CFM	30	40	50	50	60	80	90	110	130			
			NC	<20	<20	<20	<20	<20	<20	<20	22	26			
			Throw	3   5   10	5   7   14	6   9   17	6   9   17	7   10   21	9   14   25	10   16   27	13   19   30	15   23   32			
8"	8"	0.44	CFM	60	80	90	110	130	160	190	220	250			
			NC	<20	<20	<20	<20	<20	<20	20	25	29			
			Throw	5   7   15	7   10   20	7   11   22	9   13   27	11   16   32	13   20   36	16   23   39	18   27   42	20   31   45			
			CFM	80	100	120	140	160	210	250	290	330			
10"	8"	0.56	NC	<20	<20	<20	<20	<20	<20	21	26	30			
			Throw	6   9   17	7   11   22	9   13   26	10   15   30	11   17   34	15   23   41	18   27   45	21   31   48	24   36   51			
			CFM	110	130	160	190	210	270	320	370	430			
			NC	<20	<20	<20	<20	<20	<20	22	27	31			
10"	10"	0.69	Throw	7   10   21	8   12   25	10   15   30	12   18   36	13   20   40	17   26   46	20   30   51	23   35   54	27   41   59			
			CFM	160	200	240	280	320	400	480	560	640			
			NC	<20	<20	<20	<20	<20	<20	24	29	33			
			Throw	8   12   25	10   15   31	12   18   37	14   22   43	16   25   49	21   31   57	25   37   62	29   43   67	33   49   72			
14"	14"	1.36	CFM	230	280	340	400	450	560	680	790	900			
			NC	<20	<20	<20	<20	<20	20	25	30	35			
			Throw	10   15   30	12   18   36	15   22   44	17   26   52	19   29   58	24   36   67	29   44   74	34   51   79	39   58   85			
			CFM	300	370	440	520	590	740	890	1040	1190			
18"	14"	1.75	NC	<20	<20	<20	<20	<20	21	27	32	36			
			Throw	11   17   34	14   21   42	17   25   50	20   29   59	22   33   67	28   42   77	34   50   84	39   59   91	45   67   98			
			CFM	390	490	580	680	780	970	1170	1360	1560			
			NC	<20	<20	<20	<20	<20	22	28	33	37			
18"	18"	2.25	Throw	13   19   39	16   24   48	19   29   57	22   34   67	26   39   77	32   48   88	39   58   97	45   67   104	51   77   112			
			CFM	490	610	730	850	980	1220	1460	1710	1950			
			NC	<20	<20	<20	<20	<20	23	29	34	38			
			Throw	14   22   43	18   27   54	21   32   64	25   38   75	29   43   87	36   54   99	43   64   108	50   76   117	57   86   125			
24"	24"	4.00	CFM	720	900	1080	1260	1440	1800	2160	2520	2880			
			NC	<20	<20	<20	<20	<20	25	31	35	40			
			Throw	17   26   52	22   33   66	26   39   79	31   46   92	35   52   105	44   66   120	52   79   131	61   92   142	70   105   152			
			CFM	1150	1440	1720	2010	2300	2870	3440	4020	4590			
30"	30"	6.25	NC	<20	<20	<20	<20	20	27	33	37	42			
			Throw	22   33   66	28   41   83	33   50   99	39   58   116	44   66   132	55   83   152	66   99   166	77   116   179	88   132   192			
			CFM	1680	2100	2520	2940	3350	4190	5030	5870	6710			
			NC	<20	<20	<20	<20	21	28	34	39	43			
36"	36"	9.00	Throw	27   40   80	33   50   100	40   60   120	47   70   140	53   80   160	67   100   183	80   120   201	93   140   217	107   160   232			

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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