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

Nominal Size																														
W	H	Nom Duct	Core Vel,fpm	200			250			300			350			400			500			600			700			800		
Width	Height	Area, ft2	Ps	0.01			0.02			0.03			0.04			0.06			0.09			0.12			0.17			0.22		
6"	6"	0.25	CFM	30			40			50			50			60			80			90			110			130		
			NC	<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
10"	8"	0.56	CFM	80			100			120			140			160			210			250			290			330		
			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
10"	10"	0.69	CFM	110			130			160			190			210			270			320			370			430		
			NC	<20			<20			<20			<20			<20			<20			23			28			32		
			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
12"	12"	1.00	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
18"	14"	1.75	CFM	300			370			440			520			590			740			890			1040			1190		
			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
18"	18"	2.25	CFM	390			490			580			680			780			970			1170			1360			1560		
			NC	<20			<20			<20			<20			<20			23			29			34			38		
			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
20"	20"	2.78	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
30"	30"	6.25	CFM	1150			1440			1720			2010			2300			2870			3440			4020			4590		
			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
36"	36"	9.00	CFM	1680			2100			2520			2940			3350			4190			5030			5870			6710		
			NC	<20			<20			<20			<20			22			30			35			40			44		
			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

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

Nominal Size																														
W	H	Nom Duct	Core Vel,fpm	200			250			300			350			400			500			600			700			800		
Width	Height	Area, ft2	Ps	0.01			0.02			0.03			0.04			0.05			0.08			0.11			0.15			0.19		
6"	6"	0.25	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
10"	8"	0.56	CFM	80			100			120			140			160			210			250			290			330		
			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
10"	10"	0.69	CFM	110			130			160			190			210			270			320			370			430		
			NC	<20			<20			<20			<20			<20			<20			22			27			31		
			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
12"	12"	1.00	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
18"	14"	1.75	CFM	300			370			440			520			590			740			890			1040			1190		
			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
18"	18"	2.25	CFM	390			490			580			680			780			970			1170			1360			1560		
			NC	<20			<20			<20			<20			<20			22			28			33			37		
			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
20"	20"	2.78	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
30"	30"	6.25	CFM	1150			1440			1720			2010			2300			2870			3440			4020			4590		
			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
36"	36"	9.00	CFM	1680			2100			2520			2940			3350			4190			5030			5870			6710		
			NC	<20			<20			<20			<20			21			28			34			39			43		
			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

MODEL SEG-9SP5 - Supply Performance Data

5/32" Diameter Holes on 7/32" Stg. Centers

Nominal Size																							
W	H	Nom Duct	Core Vel,fpm	200			300			400			500			600			700		
Width	Height	Area, ft2	Ps	0.01			0.02			0.03			0.05			0.08			0.10		
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

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