

## PERFORMANCE DATA:

### MODEL SG-LM • SUPPLY

Neck Size	FPM	100	150	200	250	300	350	400	450	500
	Total Pressure	.011	.026	.046	.072	.103	.141	.184	.232	.287
6 x 6	CFM	25	38	50	63	75	88	100	113	125
	Noise Criteria	-	-	-	-	19	23	27	30	33
	Throw	2-3-6	3-5-10	4-6-12	5-8-13	6-10-14	8-11-15	9-12-17	10-12-17	11-12-18
9 x 6	CFM	38	56	75	94	113	131	150	169	188
	Noise Criteria	-	-	-	16	21	25	29	32	35
	Throw	2-4-8	4-6-12	5-8-14	7-10-16	8-12-17	9-14-19	11-14-20	12-15-21	13-16-23
12 x 6	CFM	50	75	100	125	150	175	200	225	250
	Noise Criteria	-	-	-	19	25	29	32	34	38
	Throw	3-4-9	4-7-13	6-9-16	8-12-18	9-14-20	11-15-22	13-16-24	14-19-25	15-18-26
15 x 6	CFM	63	94	125	156	188	219	250	281	313
	Noise Criteria	-	-	15	21	26	30	34	37	40
	Throw	3-5-10	5-8-15	7-10-18	9-12-21	10-15-23	12-17-25	13-18-26	15-19-28	17-21-29
18 x 6	CFM	75	113	150	188	225	263	300	338	375
	Noise Criteria	-	-	16	22	27	31	35	38	41
	Throw	3-5-11	5-8-16	7-11-20	9-13-23	11-16-25	13-19-27	14-20-29	16-21-30	18-23-32
21 x 6	CFM	88	131	175	219	263	306	350	394	438
	Noise Criteria	-	-	17	23	28	32	35	39	41
	Throw	4-6-12	6-9-18	8-12-22	10-15-25	12-18-27	14-20-29	17-22-31	18-23-33	20-25-34
24 x 6	CFM	100	150	200	250	300	350	400	450	500
	Noise Criteria	-	-	17	23	38	32	36	39	42
	Throw	4-6-13	6-10-19	9-13-24	11-16-26	13-19-29	15-22-31	17-24-33	19-25-35	22-26-37

9 x 9	CFM	56	84	113	141	169	197	225	253	281
	Noise Criteria	-	-	-	20	25	29	33	36	39
	Throw	3-5-10	5-7-14	6-10-17	8-12-19	10-14-21	12-16-23	13-17-25	14-18-27	16-19-28
12 x 9	CFM	75	113	150	188	225	263	300	338	375
	Noise Criteria	-	-	16	22	27	31	35	38	41
	Throw	3-5-11	5-8-16	7-11-20	9-14-23	11-16-25	13-19-27	14-20-29	16-21-30	18-23-32
15 x 9	CFM	94	141	188	234	281	328	375	422	469
	Noise Criteria	-	-	16	23	28	32	36	39	42
	Throw	4-6-12	6-10-19	8-12-23	11-15-26	12-19-28	14-21-30	16-23-32	19-24-34	21-26-36
18 x 9	CFM	113	169	225	281	338	394	450	506	563
	Noise Criteria	-	-	18	24	29	33	37	40	43
	Throw	4-7-13	7-10-20	9-13-25	12-17-28	13-20-30	16-23-33	18-25-35	20-21-37	23-28-39
21 x 9	CFM	131	197	263	328	394	459	525	591	656
	Noise Criteria	-	-	19	25	30	34	35	41	44
	Throw	5-7-14	7-11-22	10-14-27	13-18-30	14-22-33	17-25-35	20-27-38	22-29-40	25-30-43
24 x 9	CFM	150	225	300	375	450	525	600	675	750
	Noise Criteria	-	-	19	25	30	35	38	41	44
	Throw	5-8-15	8-12-24	11-15-29	13-20-32	15-24-35	18-27-38	21-29-41	24-30-43	26-32-46

12 x 12	CFM	100	150	200	250	300	350	400	450	500
	Noise Criteria	-	-	17	23	28	32	36	39	42
	Throw	4-6-13	6-10-19	9-12-24	11-16-26	13-19-29	15-22-32	17-24-34	19-25-36	21-26-38
15 x 12	CFM	125	188	250	313	375	438	500	563	625
	Noise Criteria	-	-	18	24	29	34	37	40	43
	Throw	5-7-13	7-11-22	10-14-26	12-18-30	14-22-33	17-25-35	19-26-38	22-28-40	24-30-42
18 x 12	CFM	150	225	300	375	450	525	600	675	750
	Noise Criteria	-	-	19	25	30	35	38	41	44
	Throw	5-8-15	8-12-24	11-15-29	13-20-33	15-24-36	18-27-39	21-29-41	24-30-43	26-32-46
21 x 12	CFM	175	263	350	438	525	613	700	788	875
	Noise Criteria	-	-	20	26	31	35	39	42	45
	Throw	6-9-17	9-12-26	12-17-31	14-21-34	17-26-38	20-29-41	23-31-44	26-33-47	29-34-50
24 x 12	CFM	200	300	400	500	600	700	800	900	1000
	Noise Criteria	-	-	21	27	32	36	40	43	46
	Throw	6-9-18	9-13-28	12-18-33	15-23-37	18-28-41	21-31-44	25-33-48	28-35-50	30-37-52

#### Performance Notes:

- All pressure are in inches w.g..
- Performance data is based on supply air and standard construction.
- Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
- Return Performance: Negative static pressure approximates to listed total pressure. Add + 2 to listed Noise Criteria value.
- Noise Criteria (NC) values are based upon 10dB room absorption, re 10<sup>-12</sup> watts.
- Dash (-) in space indicates an Noise Criteria of less than 15.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.



## PERFORMANCE DATA:

### MODEL SG-LM • SUPPLY

Neck Size	FPM	100	150	200	250	300	350	400	450	500
	Total Pressure	.011	.026	.046	.072	.103	.141	.184	.232	.287
15 x 15	CFM	156	234	313	391	469	547	625	703	781
	Noise Criteria	–	–	20	26	31	35	38	42	44
	Throw	5-8-16	8-12-24	11-16-30	13-20-32	16-24-37	19-28-39	22-30-42	24-31-44	27-32-47
18 x 15	CFM	188	281	375	469	563	656	750	844	938
	Noise Criteria	–	–	21	27	32	36	39	43	45
	Throw	6-9-17	9-13-27	12-17-32	14-22-36	17-27-39	21-30-43	24-32-46	27-34-49	30-36-52
21 x 15	CFM	219	328	438	547	656	766	875	984	1094
	Noise Criteria	–	–	21	27	32	37	40	43	46
	Throw	6-10-19	10-14-29	13-19-34	16-24-39	19-29-43	22-32-46	26-34-50	29-37-53	31-39-56
24 x 15	CFM	250	375	500	625	750	875	1000	1125	1250
	Noise Criteria	–	–	22	28	33	37	41	42	47
	Throw	7-10-20	10-15-30	13-20-37	17-26-42	20-30-46	24-34-50	28-37-53	30-39-57	34-42-60
18 x 18	CFM	225	338	450	563	675	788	900	1013	1125
	Noise Criteria	–	–	22	28	33	37	40	43	46
	Throw	6-10-19	10-14-29	13-19-35	16-24-39	19-30-43	23-33-47	26-35-51	30-37-54	32-39-57
21 x 18	CFM	263	394	525	656	788	919	1050	1181	1313
	Noise Criteria	–	–	22	28	33	37	41	44	47
	Throw	7-11-21	11-15-31	14-21-38	17-26-43	21-31-47	25-35-51	28-38-55	31-40-58	34-43-62
24 x 18	CFM	300	450	600	750	900	1050	1200	1350	1500
	Noise Criteria	–	15	23	29	34	38	42	45	48
	Throw	7-11-22	11-16-33	15-22-41	18-28-46	22-33-51	26-38-55	30-41-59	33-43-62	37-46-66
21 x 21	CFM	306	459	613	766	919	1072	1225	1378	1531
	Noise Criteria	–	15	23	29	34	38	42	45	48
	Throw	8-12-24	12-17-34	15-23-41	19-29-46	22-34-51	27-39-55	30-41-59	34-44-63	37-46-67
24 x 21	CFM	350	525	700	875	1050	1225	1400	1575	1750
	Noise Criteria	–	16	24	30	35	39	43	46	49
	Throw	8-12-25	12-18-36	16-24-44	20-30-50	24-36-55	29-41-59	33-45-64	36-47-68	40-50-71
24 x 24	CFM	400	600	800	1000	1200	1400	1600	1800	2000
	Noise Criteria	–	17	25	31	36	40	43	46	49
	Throw	9-13-26	13-19-39	17-26-48	22-33-53	26-39-59	31-44-64	35-48-68	39-51-73	43-53-77

#### Performance Notes:

- All pressure are in inches w.g..
- Performance data is based on supply air and standard construction.
- Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
- Return Performance:  
Negative static pressure approximates to listed total pressure.  
Add + 2 to listed Noise Criteria value.
- Noise Criteria (NC) values are based upon 10dB room absorption, re 10<sup>-12</sup> watts.

Dash (–) in space indicates an Noise Criteria of less than 15.

6. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.