

SG-PS

Nominal Duct Size (in.)	Nominal Duct Area sq. ft	Hole Area sq. ft	Face Velocity (fpm)	150	275	400	525	650	775	900	1025	1150	
			Velocity Pressure	0.000	0.001	0.002	0.003	0.005	0.007	0.010	0.013	0.016	0.019
Total Pressure	0.005	0.017	0.037	0.063	0.097	0.138	0.186	0.241	0.303	0.371	0.444	0.521	
Neck Velocity	67	122	178	233	289	344	400	456	511	567	623	679	
6x6	0.25	0.11	Airflow, cfm	17	31	44	57	72	86	100	114	128	
			NC (Noise Criteria)	-	-	-	13	19	24	29	33	36	39
			Throw, Ft.	1-2-5	2-5-9	4-7-11	6-9-13	7-10-14	9-11-16	10-12-17	10-13-18	11-14-19	11-14-19
12X12	1.00	0.44	Airflow, cfm	67	122	178	233	289	344	400	456	511	
			NC (Noise Criteria)	-	-	-	19	25	30	35	39	42	45
			Throw, Ft.	1-3-10	5-9-18	9-13-23	12-17-26	14-20-29	17-22-31	20-24-34	21-26-36	22-27-38	22-27-38
18X18	2.25	1.00	Airflow, cfm	150	275	400	525	650	775	900	1025	1150	
			NC (Noise Criteria)	-	-	14	22	29	34	38	42	46	49
			Throw, Ft.	2-5-15	7-14-27	13-20-34	17-26-39	22-31-43	26-33-47	29-36-51	31-38-54	33-41-58	33-41-58
24x24	4.00	1.78	Airflow, cfm	267	489	711	933	1156	1378	1600	1822	2044	
			NC (Noise Criteria)	-	-	16	25	31	36	41	45	48	51
			Throw, Ft.	3-6-20	9-18-37	18-27-45	23-35-52	29-41-58	34-45-63	39-48-68	42-51-72	44-54-77	44-54-77
30x30	6.25	2.78	Airflow, cfm	417	764	1111	1458	1809	2153	2500	2847	3194	
			NC (Noise Criteria)	-	-	18	27	33	38	43	47	50	53
			Throw, Ft.	3-8-25	11-23-46	22-33-57	29-44-65	36-51-72	43-56-79	49-60-85	52-64-91	55-68-96	55-68-96

- Data obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006
- All data based upon supply performance
- All pressures are in inches of water
- The negative static pressure for return performance is equal to the total pressure of supply at the same cfm
- Throw values are for terminal velocities of 150, 100 and 50 fpm under isothermal conditions. See the section Engineering Guidelines, in this catalog for throw information.
- Noise Criteria values are based on a room absorption of 10 dB
- Dash (-) in space indicates NC value less than 10
- Return NC is 2 NC higher than supply NC at the same cfm

