SG-PR / SG-PRA

Neck Size (in)	Neck Area (sq. ft)	Area Factor Ak	Neck Velocity, fpm	100	150	200	250	300	350	400	450	500
			Velocity Pressure	0.001	0.001	0.003	0.004	0.006	0.008	0.010	0.013	0.016
6x6	0.25	0.078	Airflow, cfm	25	38	50	63	75	88	100	113	125
			Face Velocity, fpm	224	337	449	561	673	785	897	1010	1122
			Total Pressure	0.005	0.011	0.020	0.031	0.044	0.060	0.079	0.100	0.123
			Noise Criteria	-	-	-	-	-	-	-	-	-
			Throw, FT	1-2-8	2-4-13	3-8-17	5-11-21	8-13-25	10-15-29	11-17-34	13-19-38	14-21-42
8x8	0.44	0.153	Airflow, cfm	44	67	89	111	133	156	178	200	222
			Face Velocity, fpm	204	306	408	510	612	714	816	918	1020
			Total Pressure	0.004	0.010	0.017	0.027	0.039	0.053	0.070	0.088	0.109
			Noise Criteria	-	-	-	-	-	-	-	-	11
			Throw, FT	1-2-9	2-5-16	4-9-21	6-13-27	9-16-32	12-19-37	14-21-43	16-24-48	18-27-53
9x9	0.56	0.201	Airflow, cfm	56	84	113	141	169	197	225	253	281
			Face Velocity, fpm	196	294	392	490	588	686	784	882	981
			Total Pressure	0.004	0.009	0.017	0.026	0.037	0.051	0.066	0.084	0.104
			Noise Criteria	-	-	-	-	-	-	-	11	15
			Throw, FT	1-2-9	2-5-18	4-9-24	7-15-29	9-18-35	13-21-41	16-24-47	18-27-53	20-29-59
12x12	1.00	0.392	Airflow, cfm	100	150	200	250	300	350	400	450	500
			Face Velocity, fpm	178	267	356	446	535	624	713	802	891
			Total Pressure	0.004	0.008	0.015	0.023	0.033	0.045	0.059	0.074	0.092
			Noise Criteria	-	-	-	-	-	10	15	19	23
			Throw, FT	1-3-11	3-6-22	5-11-30	8-17-37	11-22-45	15-26-52	19-30-60	22-34-67	25-37-75
16x16	1.78	0.764	Airflow, cfm	178	267	356	444	533	622	711	800	889
			Face Velocity, fpm	162	243	324	405	486	567	648	729	810
			Total Pressure	0.003	0.007	0.013	0.020	0.029	0.040	0.052	0.066	0.081
			Noise Criteria	-	-	-	-	12	18	24	28	32
			Throw, FT	1-3-13	3-7-28	6-13-38	9-20-48	13-28-57	17-33-67	22-38-76	28-43-86	32-48-95
18x18	2.25	1.004	Airflow, cfm	225	338	450	563	675	788	900	1013	1125
			Face Velocity, fpm	156	234	312	389	467	545	623	701	779
			Total Pressure	0.003	0.007	0.012	0.019	0.028	0.038	0.049	0.062	0.077
			Noise Criteria	-	-	-	-	16	22	27	32	36
			Throw, FT	1-3-13	3-8-30	6-13-42	9-21-53	13-30-63	18-37-74	24-42-84	30-47-95	35-53-105
20x20	2.78	1.281	Airflow, cfm	278	417	556	694	833	972	1111	1250	1389
			Face Velocity, fpm	150	226	301	376	451	527	602	677	752
			Total Pressure	0.003	0.007	0.012	0.018	0.026	0.036	0.047	0.060	0.074
			Noise Criteria	-	-	-	12	19	25	30	35	39
			Throw, FT	2-4-14	4-8-32	6-14-46	10-22-57	14-32-69	19-40-80	25-46-92	32-52-103	38-57-115
24x24	4.00	1.956	Airflow, cfm	400	600	800	1000	1200	1400	1600	1800	2000
			Face Velocity, fpm	142	212	283	354	425	496	566	637	708
			Total Pressure	0.003	0.006	0.011	0.017	0.025	0.033	0.044	0.055	0.068
			Noise Criteria	-	-	-	18	25	31	36	40	45
			Throw, FT	2-4-15	4-9-35	7-15-53	11-24-67	15-35-80	21-47-94	27-53-107	35-60-120	43-67-134
26x26	4.69	2.355	Airflow, cfm	469	704	939	1174	1408	1643	1878	2112	2347
			Face Velocity, fpm	138	207	276	345	414	483	552	620	689
			Total Pressure	0.003	0.006	0.011	0.016	0.024	0.032	0.042	0.053	0.066
			Noise Criteria	-	-	11	20	27	33	38	43	47
			Throw, FT	2-4-16	4-9-36	7-16-57	11-25-71	16-36-86	22-49-100	29-57-114	36-64-129	45-71-143
30x30	6.25	3.283	Airflow, cfm	625	938	1250	1563	1875	2188	2500	2813	3125
			Face Velocity, fpm	131	197	263	329	394	460	526	592	657
			Total Pressure	0.002	0.006	0.010	0.015	0.022	0.030	0.040	0.050	0.062
			Noise Criteria	-	-	16	24	31	37	43	47	51
			Throw, FT	2-4-17	4-10-39	8-17-64	12-27-80	17-39-97	24-53-113	31-64-129	39-72-145	48-80-161

- 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