

SG-1500FL

Nominal Duct Size	Nominal Duct Area	Core Area sq. ft	Core Velocity, (fpm)	300	400	500	600	700	800	1000	1100	1200	
				Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.075	0.090
				Total Pressure	0.038	0.068	0.107	0.154	0.209	0.273	0.427	0.517	0.615
6x6	0.25	0.187	Airflow, cfm	56	75	93	112	131	149	187	205	224	
			Noise Criteria	-	-	17	22	26	30	36	38	41	
			Throw, Ft.	6-9-14	8-11-16	10-13-18	11-14-19	12-15-21	13-16-22	15-18-25	15-19-26	16-19-28	
8x8	0.44	0.356	Airflow, cfm	107	142	178	214	249	285	356	391	427	
			Noise Criteria	-	13	19	24	28	32	38	41	43	
			Throw, Ft.	8-12-19	11-16-22	13-17-25	16-19-27	17-21-29	18-22-31	20-25-35	21-26-36	22-27-38	
9x9	0.56	0.461	Airflow, cfm	138	184	230	277	323	369	461	507	553	
			Noise Criteria	-	14	20	25	29	33	39	42	44	
			Throw, Ft.	9-14-22	12-18-25	15-20-28	18-22-31	19-23-33	20-25-35	23-28-39	24-29-41	25-31-43	
12x12	1.00	0.857	Airflow, cfm	257	343	428	514	600	686	857	943	1028	
			Noise Criteria	-	16	23	28	32	36	42	44	47	
			Throw, Ft.	12-19-29	17-24-34	21-27-38	24-29-42	26-32-45	28-34-48	31-38-54	33-40-56	34-42-59	
16x16	1.78	1.575	Airflow, cfm	472	630	787	945	1102	1260	1575	1732	1890	
			Noise Criteria	11	19	25	30	34	38	44	47	49	
			Throw, Ft.	17-25-40	23-33-46	28-36-52	33-40-57	35-43-61	38-46-65	42-52-73	44-54-77	46-57-80	
18x18	2.25	2.015	Airflow, cfm	604	806	1007	1209	1410	1612	2015	2216	2418	
			Noise Criteria	12	20	26	31	35	39	45	48	50	
			Throw, Ft.	19-29-45	26-37-52	32-41-58	37-45-64	40-49-69	43-52-74	48-58-83	50-61-87	52-64-90	
20x20	2.78	2.509	Airflow, cfm	753	1004	1255	1505	1756	2007	2509	2760	3011	
			Noise Criteria	13	21	27	32	36	40	46	49	51	
			Throw, Ft.	21-32-50	29-41-58	36-46-65	41-50-71	44-54-77	48-58-82	53-65-92	56-68-97	58-71-101	
24x24	4.00	3.660	Airflow, cfm	1098	1464	1830	2196	2562	2928	3660	4026	4392	
			Noise Criteria	14	22	28	33	38	41	47	50	53	
			Throw, Ft.	26-39-61	34-50-70	43-56-79	50-61-86	54-66-93	57-70-99	64-79-111	67-82-117	70-86-122	
26x26	4.69	4.317	Airflow, cfm	1295	1727	2158	2590	3022	3453	4317	4749	5180	
			Noise Criteria	15	23	29	34	38	42	48	51	53	
			Throw, Ft.	28-42-66	37-54-76	47-60-85	54-66-94	58-71-101	62-76-108	70-85-121	73-90-127	76-94-132	
30x30	6.25	5.793	Airflow, cfm	1738	2317	2896	3476	4055	4634	5793	6372	6951	
			Noise Criteria	16	24	30	35	39	43	49	52	54	
			Throw, Ft.	32-49-77	43-63-88	54-70-99	63-77-108	68-83-117	72-88-125	81-99-140	85-104-147	88-108-153	

- 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