

## PERFORMANCE DATA:

### MODEL SG-280 • SUPPLY

Core Area Sq. Feet	Nominal Duct Size, Inches		Core Velocity	300	400	500	600	800	1000	1200
			Total Pressure	.033	.055	.087	.120	.220	.338	.491
.18	8 x 4	6 x 6	CFM	55	70	90	110	145	180	215
			Noise Criteria	-	-	-	21	30	36	42
			Throw	6-9-13	7-10-14	10-12-16	11-13-18	12-14-21	14-17-23	15-18-26
			CFM	80	105	130	155	210	260	310
.26	12 x 4	8 x 6	Noise Criteria	-	-	-	22	31	37	43
			Throw	7-11-15	11-13-18	11-14-19	13-15-22	14-18-26	16-20-28	18-21-30
			CFM	155	210	260	310	415	520	625
			Noise Criteria	-	-	23	29	34	40	46
.52	24 x 4	16 x 6	Throw	10-14-22	12-17-25	16-20-27	18-23-31	21-26-37	23-29-40	25-31-44
			CFM	245	325	405	485	650	810	970
			Noise Criteria	-	-	25	30	37	43	47
			Throw	12-17-27	16-22-30	20-26-32	24-30-38	27-32-45	29-34-50	30-38-55
.81	14 x 10	16 x 8	CFM	480	640	800	960	1280	1600	1920
			Noise Criteria	-	-	26	31	38	44	50
			Throw	16-24-37	24-31-41	30-36-46	34-41-54	40-46-64	41-49-67	43-53-75
			CFM	835	1110	1320	1676	2220	2780	3340
2.78	30 x 14	24 x 18	Noise Criteria	-	21	27	34	41	47	53
			Throw	23-33-51	30-45-58	38-46-67	42-50-71	49-59-82	57-68-92	60-71-105
			CFM	1290	1720	2140	2570	3430	4290	5150
			Noise Criteria	-	23	29	36	43	49	56
4.29	30 x 22	28 x 24	Throw	27-39-63	37-53-73	44-58-81	50-63-92	60-73-105	66-80-119	70-85-130

### MODEL SG-280 • RETURN

Core Area Sq. Feet	Nominal Duct Size, Inches		Core Velocity	200	300	400	500	600	800	1000
			Neg. Static Pressu	.011	.032	.053	.084	.116	.210	.326
.18	8 x 4	6 x 6	CFM	35	55	70	90	110	145	180
			Noise Criteria	-	-	-	-	21	28	34
			CFM	50	80	105	130	155	210	260
.39	12 x 4	8 x 6	Noise Criteria	-	-	-	-	24	30	37
			CFM	105	155	210	260	310	415	520
			Noise Criteria	-	-	-	25	29	36	42
.52	24 x 4	16 x 6	CFM	160	245	325	405	485	650	810
			Noise Criteria	-	-	22	28	32	39	45
			CFM	320	480	640	800	960	1280	1600
1.18	14 x 10	16 x 8	Noise Criteria	-	-	26	32	36	43	49
			CFM	555	835	1110	1390	1670	2220	2780
			Noise Criteria	-	22	30	36	40	48	53
2.78	30 x 14	24 x 18	CFM	860	1290	1720	2140	2570	3430	4290
			Noise Criteria	-	26	33	39	43	50	57

#### Performance Notes:

- All pressure are in inches w.g..
- Core Velocity is in feet per minute
- Throws are given at 150, 100 and 50 fpm terminal velocities.
- Correction factors for Model SG-480 are as follows:  
Total Pressure = Listed value x 1.5  
Noise Criteria level, add + 5 to listed 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.