

## PERFORMANCE DATA:

### MODEL SG-BM4 • SUPPLY

Core Area Sq. Feet	Nominal Duct Size, Inches		Core Velocity	300	400	500	600	800	1000	1200
			Total Pressure	.041	.067	.108	.149	.27	.420	.615
.18	8 x 4	6 x 6	CFM	55	70	90	110	145	180	215
			Noise Criteria	-	-	21	27	36	42	48
			Throw	5-8-12	7-9-13	9-11-15	10-12-16	11-13-19	13-15-21	14-16-23
.39	18 x 4	12 x 6	CFM	115	155	195	235	310	390	470
			Noise Criteria	-	-	25	30	39	45	52
			Throw	8-12-16	11-13-20	12-15-22	14-17-24	16-19-28	17-21-31	19-24-33
.52	24 x 4	16 x 6	CFM	155	210	260	310	415	520	625
			Noise Criteria	-	-	26	31	40	46	53
			Throw	9-13-19	12-16-23	13-17-24	16-19-28	18-21-31	21-26-36	24-29-4
1.18	14 x 12	16 x 12	CFM	355	470	590	710	945	1180	1420
			Noise Criteria	-	23	29	34	43	50	55
			Throw	13-20-30	17-24-33	22-27-38	25-30-42	29-33-48	32-38-54	34-41-58
1.60	30 x 8	24 x 10	CFM	480	640	800	960	1280	1600	1920
			Noise Criteria	-	27	33	38	47	53	59
			Throw	14-22-33	20-29-40	24-31-45	29-35-50	32-40-55	37-45-64	38-48-68
2.78	30 x 14	24 x 18	CFM	835	1110	1320	1676	2220	2780	3340
			Noise Criteria	-	27	33	38	47	53	60
			Throw	20-30-46	26-35-55	31-40-58	37-47-69	45-55-78	48-60-85	54-66-91
4.29	30 x 22	28 x 24	CFM	1290	1720	2140	2570	3430	4290	5150
			Noise Criteria	20	28	35	40	49	55	61
			Throw	24-36-55	32-42-61	41-51-72	46-56-80	51-62-87	58-71-97	67-82-111

### MODEL SG-BM4 • RETURN

Core Area Sq. Feet	Nominal Duct Size, Inches		Core Velocity	200	300	400	500	600	800	1000
			Neg. Static Pressu	.018	.055	.091	.146	.200	.364	.565
.18	8 x 4	6 x 6	CFM	35	55	70	90	110	145	180
			Noise Criteria	-	-	-	25	29	36	42
			CFM	80	115	155	195	235	310	390
.39	18 x 4	12 x 6	Noise Criteria	-	-	25	31	35	42	48
			CFM	105	155	210	260	310	415	520
			Noise Criteria	-	-	26	32	37	44	49
1.18	14 x 14	16 x 12	CFM	235	355	470	590	710	945	1180
			Noise Criteria	-	26	32	37	43	50	55
			CFM	320	480	640	800	960	1280	1600
1.60	30 x 8	24 x 10	Noise Criteria	-	28	34	40	45	52	58
			CFM	555	835	1110	1390	1670	2220	2780
			Noise Criteria	20	32	38	44	49	56	61
2.78	30 x 14	24 x 18	CFM	860	1290	1720	2140	2570	3430	4290
			Noise Criteria	24	35	41	47	52	60	64

#### 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.
- 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.