

**XG-SG2000 PERFORMANCE DATA**  
**MODEL XG-SG2000**
**XG-SG2000 (0° and 15° Deflection)**

Listed Width (In Inches)	Free Area Per Foot (ft <sup>2</sup> )	Outlet Velocity (Vk)	500	700	900	1000	1100	1200	1300
		Total Pressure (Pt)	.016	.031	.051	.062	.076	.090	.105
		Static Pressure (Ps)	.012	.024	.040	.050	.060	.072	.084
		NC	-	15	20	23	26	29	31
1 1/2"	.062	Flow CFM /FT	31	43	56	62	68	74	81
		Throw, Sill or Floor	6-9	9-13	10-14	11-16	13-18	13-19	14-20
		Throw, Side Wall	8-11	11-16	13-18	14-20	15-22	17-24	17-25
2"	.086	Flow CFM /FT	43	60	77	86	95	103	112
		Throw, Sill or Floor	5-8	8-12	10-14	11-16	13-18	13-19	14-20
		Throw, Side Wall	7-10	10-15	13-18	14-20	15-22	17-24	17-25
2 1/2"	.110	Flow CFM /FT	55	77	99	110	121	132	143
		Throw, Sill or Floor	6-9	9-13	11-16	13-18	13-19	15-21	15-22
		Throw, Side Wall	8-11	11-16	14-20	16-23	17-24	18-26	20-28
3"	.130	Flow CFM /FT	65	91	117	130	143	156	169
		Throw, Sill or Floor	7-10	10-15	13-18	15-21	15-22	17-24	18-26
		Throw, Side Wall	8-12	13-18	15-22	17-25	18-26	20-28	21-30
3 1/2"	.152	Flow CFM /FT	76	106	137	152	167	182	198
		Throw, Sill or Floor	7-10	10-15	13-18	15-21	15-22	17-24	18-26
		Throw, Side Wall	9-13	13-19	16-23	18-26	20-28	21-30	22-33
4"	.176	Flow CFM /FT	88	123	158	176	194	211	229
		Throw, Sill or Floor	8-11	12-16	14-20	16-23	18-26	19-27	20-29
		Throw, Side Wall	10-14	15-22	17-25	20-29	22-32	24-34	25-36
5"	.220	Flow CFM /FT	110	154	198	220	242	264	286
		Throw, Sill or Floor	8-12	13-18	15-21	17-24	18-26	19-27	21-30
		Throw, Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
6"	.265	Flow CFM /FT	133	186	239	265	292	318	345
		Throw, Sill or Floor	8-12	13-18	15-22	17-25	18-26	20-28	21-30
		Throw, Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
8"	.356	Flow CFM /FT	178	249	320	356	392		
		Throw, Sill or Floor	10-14	13-19	15-22	18-26	19-27		
		Throw, Side Wall	12-17	17-24	20-28	23-33	24-34		
10"	.446	Flow CFM /FT	223	312	401	446			
		Throw, Sill or Floor	10-15	15-22	18-26	21-30			
		Throw, Side Wall	13-19	20-28	23-33	26-37			

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	Free Area Per Foot (ft <sup>2</sup> )	Total Pressure (Pt)	.016	.031	.051	.062	.076	.090
Static Pressure (Ps)		.012	.024	.040	.050	.060	.072	.084
	NC	-	15	20	23	26	29	31
12"	Flow CFM /FT	268	375	482				
.536	Throw, Sill or Floor	12-17	22-31	21-33				
	Throw, Side Wall	15-21	24-35	27-38				

**PERFORMANCE NOTES FOR SERIES XG-SG2000**

All data is tested in accordance with ANSI/ASHRAE 70-2006.

**DEFINITION OF UNITS**

CFM Cubic Feet per Minute (air)

Nk Vel Neck Velocity is the airstream velocity in the duct just before it reaches the supply outlet; measured in Feet per Minute

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re: 10<sup>-12</sup> watts minus a 10dB room attenuation in all octave bands

Throw Throw distance in feet are for terminal velocities of 150 and 50 fpm respectively / Supply Air temperature 20° F below room air temperature.

Pt Total pressures in inches of water column

Ps Static pressure = Pt-Pv (inches of water column)

**SG2000 PERFORMANCE DATA  
MODEL XG-SG2000**
**XG-SG2000 (30° Deflection)**

Listed Width	Outlet Velocity (V <sub>k</sub> )	500	700	900	1000	1100	1200	1300
(In Inches)	Total Pressure (Pt)	.020	.040	.067	.081	.100	.119	.139
Free Area Per Foot (ft <sup>2</sup> )	Static Pressure (Ps)	.017	.034	.056	.070	.084	.100	.118
	NC	15	20	25	28	31	34	36
1 1/2"	Flow CFM /FT	35	49	64	71	78	84	92
	Throw, Sill or Floor	5-8	8-12	10-14	11-16	13-18	13-19	14-20
	Throw, Side Wall	7-9	10-14	12-16	14-20	15-22	17-24	17-25
2"	Flow CFM /FT	49	68	88	98	108	118	128
	Throw, Sill or Floor	6-9	9-13	10-14	11-16	13-18	13-19	14-20
	Throw, Side Wall	8-10	10-15	13-18	15-21	16-23	17-27	18-26
2 1/2"	Flow CFM /FT	63	88	113	126	138	151	163
	Throw, Sill or Floor	6-9	9-13	11-16	13-18	13-19	15-21	15-22
	Throw, Side Wall	8-11	11-16	14-20	16-23	17-24	18-26	20-28
3"	Flow CFM /FT	74	104	133	148	163	178	193
	Throw, Sill or Floor	7-10	10-14	13-18	15-21	15-22	17-24	18-26
	Throw, Side Wall	8-12	13-18	15-22	17-25	18-26	20-28	21-30
3 1/2"	Flow CFM /FT	87	121	156	173	191	208	226
	Throw, Sill or Floor	7-10	10-15	13-18	14-20	15-21	15-22	17-24
	Throw, Side Wall	9-13	13-19	16-23	18-26	20-28	21-30	22-32
4"	Flow CFM /FT	100	140	180	201	221	241	261
	Throw, Sill or Floor	8-11	13-18	15-21	17-24	18-26	19-27	21-30
	Throw, Side Wall	10-14	15-22	17-25	20-29	22-32	24-34	25-36
5"	Flow CFM /FT	126	176	226	251	276	301	326
	Throw, Sill or Floor	8-12	13-18	15-22	17-25	18-26	20-28	21-30
	Throw, Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
6"	Flow CFM /FT	151	212	272	302	333	363	393
	Throw, Sill or Floor	9-13	13-18	15-22	17-25	18-26	20-28	21-30
	Throw, Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
8"	Flow CFM /FT	203	284	366	406	447		
	Throw, Sill or Floor	10-14	13-19	15-22	18-26	19-27		
	Throw, Side Wall	12-17	17-24	20-28	23-33	24-34		

**CONTINUED**

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(In Inches)	Total Pressure (Pt)	.020	.040	.067	.081	.100	.119	.139
Free Area Per Foot (ft <sup>2</sup> )	Static Pressure (Ps)	.017	.034	.056	.070	.084	.100	.118
	NC	15	20	25	28	31	34	36
10"  .446	Flow CFM /FT	254	356	458	509			
	Throw, Sill or Floor	10-15	15-22	18-26	21-30			
	Throw, Side Wall	13-19	20-28	23-33	26-37			
12"  .536	Flow CFM /FT	306	428	550				
	Throw, Sill or Floor	12-17	22-31	21-30				
	Throw, Side Wall	15-21	24-35	27-38				

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*NC* Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re: 10<sup>-12</sup> watts minus a 10dB room attenuation in all octave bands

*Throw* Throw distance in feet are for terminal velocities of 150 and 50 fpm respectively / Supply Air temperature 20° F below room air temperature.

*Pt* Total pressures in inches of water column

*Ps* Static pressure = Pt-Pv (inches of water column)