

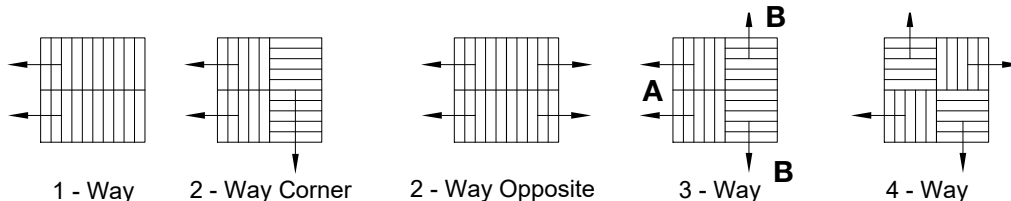
**SERIES XG-9000/XG-9000S PERFORMANCE DATA**  
**MODEL XG-9000/XG-9000S (4 CORE)**

CEILING  
DIFFUSERS

LOUVERED FACE DIFFUSERS

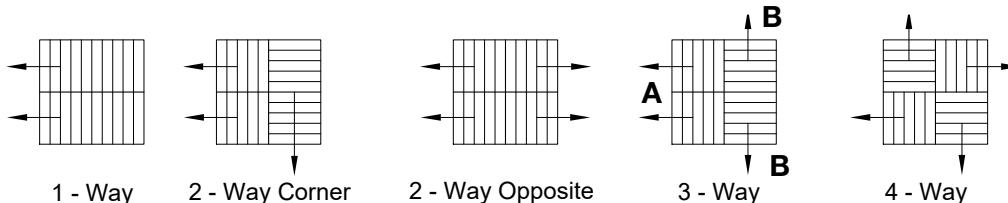
XG-9000

Listed Size	Neck Vel Side	200			300			400			500			600			700		
		A		B	A		B	A		B	A		B	A		B	A		B
6 x 6	CFM	50			75			100			125			150			175		
	NC	<20			<20			<20			<20			<20			20		
	Pt	0.001			0.006			0.018			0.032			0.042			0.061		
	1-Way Throw		2-4-12			2-6-11			4-8-13			8-13-20			9-16-25			13-17-27	
	2-Way Throw		1-2-7			1-3-7			2-4-7			4-7-12			5-9-14			7-10-15	
	3-Way Throw	1-2-7		1-1-4	1-3-7		1-2-5	2-4-7		2-3-6	4-7-12		2-3-8	5-9-14		3-5-9	7-10-15		4-6-12
	4-Way Throw		1-1-4			1-2-5			2-3-6			2-3-8			3-5-9			4-6-12	
8 x 8	CFM	95			140			190			235			285			330		
	NC	<20			<20			<20			<20			<20			21		
	Pt	0.002			0.0075			0.0175			0.03			0.0405			0.058		
	1-Way Throw		3-6-14			6-10-25			8-15-29			14-20-25			15-22-28			20-23-30	
	2-Way Throw		2-3-9			4-7-14			8-12-15			9-14-20			10-15-22			12-17-22	
	3-Way Throw	2-3-9		1-2-5	4-7-14		2-4-10	8-12-15		3-8-12	9-14-20		4-7-13	10-15-22		5-10-14	12-17-22		7-11-17
	4-Way Throw		1-2-5			2-4-10			3-8-12			4-7-13			5-10-14			7-11-17	
10 x 10	CFM	140			205			275			345			415			485		
	NC	<20			<20			<20			<20			<20			23		
	Pt	0.003			0.009			0.017			0.028			0.039			0.055		
	1-Way Throw		4-8-15			11-14-22			12-22-26			20-26-30			24-28-32			28-30-35	
	2-Way Throw		2-4-10			7-11-21			9-21-24			15-21-28			15-22-29			18-24-30	
	3-Way Throw	1-5-10		1-2-6	7-11-21		2-6-13	9-21-24		3-11-15	15-21-26		5-11-19	17-21-28		8-14-19	22-27-31		10-16-22
	4-Way Throw		1-2-6			2-6-13			3-11-15			5-11-19			8-14-19			10-16-22	
12 x 12	CFM	200			305			410			515			620			725		
	NC	<20			<20			21			25			28			32		
	Pt	0.005			0.0135			0.0245			0.0425			0.062			0.084		
	1-Way Throw		4-9-16			12-15-24			18-24-30			20-26-32			25-26-34			28-32-36	
	2-Way Throw		2-5-11			7-13-21			14-21-26			17-23-29			18-24-30			20-27-32	
	3-Way Throw	2-5-11		1-3-7	7-13-21		3-8-15	14-21-26		4-12-18	17-23-29		6-13-22	18-24-30		10-16-23	20-27-32		12-18-24
	4-Way Throw		1-3-7			3-8-15			4-12-18			6-13-22			10-16-23			12-18-24	
14 x 14	CFM	270			405			545			680			815			950		
	NC	<20			<20			22			31			37			42		
	Pt	0.007			0.018			0.032			0.057			0.085			0.113		
	1-Way Throw		4-10-17			13-16-25			20-26-32			22-31-38			26-27-35			29-34-38	
	2-Way Throw		2-6-12			8-16-21			15-21-27			19-25-30			21-26-32			23-29-34	
	3-Way Throw	2-6-12		2-3-8	8-16-21		4-9-17	15-21-27		5-13-20	19-25-30		7-14-25	21-26-32		11-18-25	23-29-34		13-19-26
	4-Way Throw		2-3-8			4-9-17			5-13-20			7-14-25			11-18-25			13-19-26	



**SERIES XG-9000/XG-9000S PERFORMANCE DATA**  
**MODEL XG-9000/XG-9000 S (4 CORE)**

Listed Size	Neck Vel	200			300			400			500			600			700			
	Side	A		B	A		B	A		B	A		B	A		B	A		B	
16 x 16	CFM	360			540			725			900			1080			1260			
	NC	<20			<20			26			36			42			48			
	Pt	0.016			0.031			0.058			0.1			0.154			0.218			
	1-Way Throw		6-12-19			15-20-27			22-28-40			25-32-41			27-32-43			30-35-45		
	2-Way Throw		5-9-15			10-18-25			18-25-32			23-29-34			25-31-36			28-33-39		
	3-Way Throw	5-9-15		3-5-10	10-18-25		5-10-19	18-25-32		7-15-23	23-29-34		7-15-28	25-31-36		12-20-27	28-33-39		14-21-30	
	4-Way Throw		3-5-10			5-10-19			7-15-23			7-15-28			12-20-27			14-21-30		
18 x 18	CFM	450			670			900			1120			1345			1570			
	NC	<20			21			29			40			47			53			
	Pt	0.025			0.044			0.084			0.143			0.223			0.323			
	1-Way Throw		11-17-23			14-25-32			24-33-41			30-36-43			33-40-47			35-42-50		
	2-Way Throw		9-13-19			12-21-29			21-29-36			27-33-38			30-36-41			32-38-44		
	3-Way Throw	9-13-19		4-6-12	12-21-29		7-12-21	21-29-36		9-18-26	27-33-38		9-17-32	30-36-41		12-22-29	32-38-44		15-23-33	
	4-Way Throw		4-6-12			7-12-21			9-18-26			9-17-32			12-22-29			15-23-33		
20 x 20	CFM	555			830			1110			1390			1670			1945			
	NC	<20			22			31			42			48			54			
	Pt	0.028			0.048			0.092			0.157			0.245			0.355			
	1-Way Throw		12-17-24			14-26-34			25-34-43			31-37-45			33-41-48			36-43-50		
	2-Way Throw		9-14-20			12-22-30			22-29-37			28-34-39			32-37-43			33-38-45		
	3-Way Throw	9-14-20		4-6-12	12-22-30		8-12-23	22-29-37		10-19-27	28-34-39		10-18-33	32-37-43		13-24-30	33-38-45		17-25-35	
	4-Way Throw		4-6-12			8-12-23			10-19-27			10-18-33			13-24-30			17-25-35		
22 x 22	CFM	670			1010			1345			1680			2015			2350			
	NC	<20			22			31			42			49			55			
	Pt	0.031			0.054			0.103			0.176			0.275			0.398			
	1-Way Throw		12-18-25			15-27-35			26-35-45			32-38-46			34-43-49			35-44-52		
	2-Way Throw		9-15-21			13-22-31			23-30-38			28-35-40			32-38-44			33-39-46		
	3-Way Throw	9-15-21		5-8-14	13-22-31		9-14-23	23-30-38		11-20-28	28-35-40		10-19-34	32-38-44		14-25-32	33-39-46		18-26-37	
	4-Way Throw		5-8-14			9-14-23			11-20-28			10-19-34			14-25-32			18-26-37		
24 x 24	CFM	800			1200			1600			2000			2400			2800			
	NC	21			24			32			42			50			56			
	Pt	0.032			0.056			0.107			0.182			0.285			0.412			
	1-Way Throw		12-19-27			15-27-37			27-35-47			30-36-43			33-40-50			35-42-50		
	2-Way Throw		9-16-22			14-24-33			25-32-40			29-37-42			34-40-46			35-41-47		
	3-Way Throw	9-16-22		6-9-15	14-24-33		8-16-25	25-32-40		12-22-30	29-37-42		12-20-35	34-40-46		14-26-32	35-41-47		20-28-38	
	4-Way Throw		6-9-15			8-16-25			12-22-30			12-20-35			14-26-32			20-28-38		



**SERIES XG-9000/XG-9000S PERFORMANCE DATA**  
**MODEL XG-9000/XG-9000 S (1 CORE)**

Listed Size	Neck Vel	200	300	400	500	600	700
6 x 6	CFM	50	76	103	129	155	181
	NC	<20	<20	21	25	28	32
	Pt	0.005	0.0135	0.0245	0.0425	0.062	0.084
	Throw	4-9-16	12-15-24	18-24-30	20-26-32	25-26-34	28-32-36
7 x 7	CFM	68	101	136	170	204	238
	NC	<20	<20	22	31	37	42
	Pt	0.007	0.018	0.032	0.057	0.085	0.113
	Throw	4-10-17	13-16-25	20-26-32	22-31-38	26-27-35	29-34-38
8 x 8	CFM	90	135	181	225	270	315
	NC	<20	<20	25.5	35.5	42	47.5
	Pt	0.016	0.031	0.058	0.1	0.154	0.218
	Throw	6-12-19	15-20-27	22-28-40	25-32-41	27-32-43	30-35-45
9 x 9	CFM	113	168	225	280	336	393
	NC	<20	21	29	40	47	53
	Pt	0.025	0.044	0.084	0.143	0.223	0.323
	Throw	11-17-23	14-25-32	24-33-41	30-36-43	33-40-47	35-42-50
10 x 10	CFM	139	208	278	348	418	486
	NC	<20	22	31	42	48	54
	Pt	0.028	0.048	0.092	0.157	0.245	0.355
	Throw	12-17-24	14-26-34	25-34-43	31-37-45	33-41-48	36-43-50
12 x 12	CFM	200	300	400	500	600	700
	NC	21	24	32	42	50	56
	Pt	0.032	0.056	0.107	0.182	0.285	0.412
	Throw	12-19-27	15-27-37	27-35-47	30-36-43	33-40-50	35-42-50

**PERFORMANCE NOTES FOR SERIES XG-9000/XG-9000S**

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

**DEFINITION OF UNITS**

CFM Cubic Feet per Minute

fpm Velocity of air stream in Feet per Minute

Pt Total pressure (inches of water column)

Throw Horizontal distances in feet to the terminal velocity of 150, 100 and 50 fpm

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