

SERIES XG-7900 PERFORMANCE DATA
MODEL XG-7900 (4 CORE)

Listed Size	Vn Neck Velocity fpm	200		300		400		500		600		700	
	Pt	.020		.045		.080		.125		.180		.245	
	Side Designation	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		21		27		33		37	
	4-Way Throw	1-3		1-4		2-6		3-9		4-12		5-14	
	3-Way Throw	1-3	2-4	1-4	2-6	2-6	3-8	3-9	4-13	4-12	6-17	5-14	7-20
	2-Way Throw	2-4		2-6		3-8		4-13		6-17		7-20	
	1-Way Throw	2-6		2-8		4-12		6-18		12-24		10-28	
8 x 8	CFM	90		130		175		220		265		310	
	NC	<20		<20		25		30		35		40	
	4-Way Throw	1-3		2-6		3-9		4-12		5-15		6-18	
	3-Way Throw	1-3	2-4	2-6	3-8	3-9	4-13	4-12	6-17	5-15	7-21	6-18	8-25
	2-Way Throw	2-4		3-8		4-13		6-17		7-21		8-25	
	1-Way Throw	2-6		4-12		6-18		8-24		10-30		12-36	
10 x 10	CFM	140		205		275		345		415		485	
	NC	<20		<20		26		32		37		42	
	4-Way Throw	1-3		2-7		3-9		5-15		7-20		8-23	
	3-Way Throw	1-3	2-4	2-7	3-10	3-9	4-13	5-15	7-21	7-20	10-28	8-23	11-32
	2-Way Throw	2-4		3-10		4-13		7-21		10-28		11-32	
	1-Way Throw	2-6		4-14		6-18		10-30		14-40		16-46	
12 x 12	CFM	200		300		400		500		600		700	
	NC	<20		20		28		35		40		45	
	4-Way Throw	1-4		2-7		4-11		6-17		8-23		9-26	
	3-Way Throw	1-4	2-6	2-7	3-10	4-11	6-16	6-17	8-24	8-23	11-32	9-26	13-37
	2-Way Throw	2-6		3-10		6-16		8-24		11-32		13-37	
	1-Way Throw	2-8		4-14		8-22		12-34		16-46		18-52	
14 x 14	CFM	270		405		545		680		815		950	
	NC	<20		21		29		36		41		46	
	4-Way Throw	1-4		3-9		5-15		8-23		10-29		11-33	
	3-Way Throw	1-4	2-6	3-9	4-13	5-15	7-21	8-23	11-32	10-29	14-41	11-33	16-47
	2-Way Throw	2-6		4-13		7-21		11-32		14-41		16-47	
	1-Way Throw	2-8		6-18		10-30		16-46		20-58		22-66	
16 x 16	CFM	355		530		710		885		1070		1245	
	NC	<20		22		30		37		42		46	
	4-Way Throw	1-5		3-9		5-15		8-24		11-32		12-35	
	3-Way Throw	1-5	2-7	3-9	4-13	5-15	7-21	8-24	11-34	11-32	16-45	12-35	17-49
	2-Way Throw	2-7		4-13		7-21		11-34		16-45		17-49	
	1-Way Throw	2-10		6-18		10-30		16-48		22-64		24-70	
18 x 18	CFM	450		670		900		1120		1345		1570	
	NC	<20		23		31		37		43		47	
	4-Way Throw	1-6		3-10		5-16		9-27		12-35		13-39	
	3-Way Throw	1-6	2-8	3-10	4-14	5-16	7-23	9-27	13-38	12-35	17-49	13-39	18-55
	2-Way Throw	2-8		4-14		7-23		13-38		17-49		18-55	
	1-Way Throw	2-11		6-20		10-32		18-54		24-70		26-78	
20 x 20	CFM	560		830		1110		1385		1665		1945	
	NC	<20		24		32		38		44		48	
	4-Way Throw	2-6		3-11		6-18		9-27		12-36		13-39	
	3-Way Throw	2-6	3-8	3-11	4-16	6-18	8-25	9-27	13-38	12-36	17-51	13-39	18-55
	2-Way Throw	3-8		4-16		8-25		13-38		17-51		18-55	
	1-Way Throw	4-12		6-22		12-36		18-54		24-72		26-78	

CEILING
DIFFUSERS

PERFORATED
CEILING DIFFUSERS

XG-7900

SERIES XG-7900 PERFORMANCE DATA
MODEL XG-7900 SINGLE CORE

Single Core Size Inches	Neck	200	300	400	500	600	700
	Outlet Vel	310	460	615	770	925	1080
	Pt	.020	.045	.080	.125	.180	.245
3 x 3	CFM	13	19	25	32	38	44
	Throw	1-3	1-4	2-6	3-9	4-12	5-14
	NC	<20	<20	<20	21	27	31
4 x 4	CFM	22	33	44	56	67	78
	Throw	1-3	2-6	3-9	4-12	5-15	6-18
	NC	<20	<20	<20	24	29	34
5 x 5	CFM	35	52	70	87	104	122
	Throw	1-3	2-7	3-9	5-15	7-20	8-23
	NC	<20	<20	20	26	31	36
6 x 6	CFM	50	75	100	125	150	175
	Throw	2-6	2-8	4-12	6-18	12-24	10-28
	NC	<20	<20	21	27	33	37
7 x 7	CFM	68	102	136	170	204	238
	Throw	2-6	3-9	5-15	7-21	10-27	11-33
	NC	<20	<20	23	28	34	38
8 x 8	CFM	89	133	178	222	267	311
	Throw	2-6	4-12	6-18	8-24	10-30	12-36
	NC	<20	<20	25	30	35	40
9 x 9	CFM	112	169	225	281	337	393
	Throw	2-6	4-13	6-18	9-27	12-35	14-42
	NC	<20	<20	25	31	36	41
10 x 10	CFM	139	208	278	347	416	486
	Throw	2-6	4-14	6-18	10-30	14-40	16-46
	NC	<20	<20	26	32	37	42
11 x 11	CFM	168	252	336	420	504	588
	Throw	2-7	4-14	7-20	11-27	15-43	17-49
	NC	<20	<20	27	33	38	43
12 x 12	CFM	200	300	400	500	600	700
	Throw	2-8	4-14	8-22	12-24	16-46	18-52
	NC	<20	20	28	35	40	45

**CEILING
DIFFUSERS**
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PERFORMANCE NOTES FOR SERIES XG-7900

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

DEFINITION OF UNITS

CFM Cubic Feet Per Minute (air)

fpm Velocity of air stream in Feet Per Minute

Pt Total pressure (inches of water column)

Throw Non-isothermal horizontal throw (supply air temperature 15°F colder than average room temperature); values are for 150, 100 and 50fpm velocities

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