

SERIES XG-5000 PERFORMANCE DATA/4-WAY SQUARE PATTERN (S4)
MODEL XG-5000

Neck Size		Neck Velocity					
		200	300	400	500	600	700
		Ps	0.006	0.013	0.022	0.035	0.05
	Pt	0.008	0.018	0.032	0.05	0.072	0.099
6 x 6	Total CFM	50	75	100	125	150	175
	CFM/Side	13	19	25	31	38	44
	Throw	2-4	4-8	7-11	9-13	11-16	13-17
	NC	-	-	-	-	20	25
9 x 9	Total CFM	113	169	225	281	335	394
	CFM/Side	28	42	56	70	84	98
	Throw	3-5	5-9	8-12	10-15	12-17	14-18
	NC	-	-	-	21	26	31
12 x 12	Total CFM	200	300	400	500	600	700
	CFM/Side	50	75	100	125	150	175
	Throw	3-7	6-10	9-14	11-16	13-18	15-20
	NC	-	-	-	24	29	34
15 x 15	Total CFM	313	469	625	781	938	1094
	CFM/Side	78	117	156	195	234	273
	Throw	4-8	7-12	10-15	12-18	15-20	17-22
	NC	-	-	21	26	31	36
18 x 18	Total CFM	450	675	900	1125	1350	1575
	CFM/Side	113	169	225	281	338	394
	Throw	5-10	8-14	11-17	14-20	16-22	18-23
	NC	-	-	22	27	32	37
21 x 21	Total CFM	613	919	1225	1531	1837	2144
	CFM/Side	153	230	306	383	459	536
	Throw	6-12	9-16	12-19	15-21	17-23	19-25
	NC	-	-	23	28	33	38
24 x 24	Total CFM	800	1200	1600	2000	2400	2800
	CFM/Side	200	300	400	500	600	700
	Throw	7-14	10-17	12-20	16-23	18-25	21-27
	NC	-	-	24	29	34	39
27 x 27	Total CFM	1013	1519	2025	2531	3037	3544
	CFM/Side	253	380	506	633	759	886
	Throw	7-15	11-19	14-22	17-25	20-27	22-28
	NC	-	20	25	30	35	4
33 x 33	Total CFM	1513	2269	3025	3781	4537	5294
	CFM/Side	378	567	756	945	1134	1323
	Throw	9-18	13-22	16-25	19-27	22-30	24-31
	NC	-	21	26	31	36	41

**SERIES XG-5000 PERFORMANCE DATA/4-WAY RECTANGULAR PATTERN (R4)
MODEL XG-5000**

Neck Size	Side Designation	Neck Velocity																	
		200		300		400		500		600		700							
		Ps		.013		.022		.035		.050		.068							
		Pt		.018		.032		.050		.072		.099							
		A	B	A	B	A	B	A	B	A	B	A	B	A	B				
6 x 9	Total CFM		75		113		150		185		225		263						
	CFM/Side	13		25	19		38	25		50	31		63	38		75	43		86
	Throw	2-4		2-5	4-8		5-9	7-11		8-12	9-13		10-14	11-16		12-17	13-17		14-18
	NC		-		-		-		-		-		-		-		-		-
6 x 12	Total CFM		100		150		200		250		300		350						
	CFM/Side	13		38	19		56	25		75	31		94	38		113	44		131
	Throw	2-4		3-6	4-8		6-10	7-11		8-13	9-13		11-15	11-16		13-17	13-17		15-19
	NC		-		-		-		-		20		-	25		-	30		-
9 x 12	Total CFM		150		225		300		375		450		525						
	CFM/Side	28		47	42		70	56		94	70		117	84		141	98		164
	Throw	3-5		3-7	5-9		6-10	8-12		9-13	10-15		11-16	12-17		13-18	14-18		15-20
	NC		-		-		-		-		22		-	27		-	32		-
9 x 15	Total CFM		188		281		375		469		563		656						
	CFM/Side	28		66	42		98	56		131	70		164	84		197	98		230
	Throw	3-5		4-8	5-9		7-11	8-12		9-14	10-15		12-17	12-17		14-19	14-18		16-21
	NC		-		-		-		-		23		-	28		-	33		-
9 x 18	Total CFM		225		338		450		563		675		788						
	CFM/Side	28		84	42		127	56		169	70		211	84		253	98		295
	Throw	3-5		4-9	5-9		7-12	8-12		10-16	10-15		13-18	12-17		15-20	14-18		17-22
	NC		-		-		-		-		24		-	29		-	34		-
9 x 21	Total CFM		263		394		525		656		788		919						
	CFM/Side	28		103	42		155	56		206	70		258	84		309	98		361
	Throw	3-5		5-10	5-9		8-13	8-12		11-17	10-15		13-19	12-17		16-21	14-18		18-23
	NC		-		-		-		20		25		-	30		-	35		-
12 x 15	Total CFM		250		375		500		625		750		875						
	CFM/Side	50		75	75		113	100		150	125		188	150		225	175		263
	Throw	3-7		4-8	6-10		7-12	9-14		10-15	11-16		12-18	13-18		14-20	15-20		16-21
	NC		-		-		-		20		25		-	30		-	35		-
12 x 18	Total CFM		300		450		600		750		900		1050						
	CFM/Side	50		100	75		150	100		200	125		250	150		300	175		350
	Throw	3-7		5-10	6-10		8-13	9-14		11-16	11-16		13-19	13-18		15-21	15-20		17-23
	NC		-		-		-		20		25		-	30		-	35		-

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DIFFUSERS

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XG-5000

**SERIES XG-5000 PERFORMANCE DATA/4-WAY RECTANGULAR PATTERN (R4)
MODEL XG-5000**

Neck Size	Side Designation	Neck Velocity															
		200		300		400		500		600		700					
		Ps		.013		.022		.035		.050		.068					
		Pt		.018		.032		.050		.072		.099					
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
12 x 21	Total CFM	350		525		700		875		1050		1225					
	CFM/Side	50	125	75	188	100	250	125	313	150	375	175	438				
	Throw	3-7	5-11	6-10	8-14	9-14	11-18	11-16	14-20	13-18	16-22	15-20	18-24				
	NC	-		-		21		26		31		36					
12 x 24	Total CFM	400		600		800		1000		1200		1400					
	CFM/Side	50	150	75	225	100	300	125	375	150	450	175	525				
	Throw	3-7	6-12	6-10	9-15	9-14	12-19	11-16	15-21	13-18	17-23	15-20	1-25				
	NC	-		-		22		27		32		37					
15 x 18	Total CFM	375		563		750		938		1125		1313					
	CFM/Side	78	109	117	164	156	219	195	273	234	328	273	383				
	Throw	4-8	5-10	7-12	8-14	10-15	11-17	12-18	14-19	15-20	16-22	17-22	18-23				
	NC	-		-		21		26		31		36					
15 x 24	Total CFM	500		750		1000		1250		1500		1750					
	CFM/Side	78	172	117	258	156	344	195	430	234	516	273	602				
	Throw	4-8	6-13	7-12	9-16	10-15	13-19	12-18	15-22	15-20	18-24	17-22	20-26				
	NC	-		-		22		27		32		37					
18 x 24	Total CFM	600		900		1200		1500		1800		2100					
	CFM/Side	113	188	160	281	225	375	281	469	338	563	394	656				
	Throw	5-10	6-13	8-14	10-17	11-17	13-20	14-20	16-23	16-22	18-25	18-23	20-26				
	NC	-		-		23		28		33		38					
21 x 33	Total CFM	963		1444		1925		2406		2888		3369					
	CFM/Side	153	328	230	492	306	656	383	820	459	984	536	1148				
	Throw	6-12	8-17	9-16	12-21	12-19	15-24	15-21	18-26	17-23	21-29	19-25	23-30				
	NC	-		20		25		30		35		40					
24 x 30	Total CFM	1000		1500		2000		2500		3000		3500					
	CFM/Side	200	300	300	1500	400	600	500	750	600	900	700	1050				
	Throw	7-14	8-16	10-17	12-20	13-20	15-23	16-23	18-26	18-25	21-28	21-27	23-30				
	NC	-		20		25		30		35		40					

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XG-5000

**SERIES XG-5000 PERFORMANCE DATA/3-WAY SQUARE PATTERN (S3)
MODEL XG-5000**

Neck Size		Neck Velocity					
		200	300	400	500	600	700
		Ps	0.006	0.013	0.022	0.035	0.05
	Pt	0.008	0.018	0.032	0.05	0.072	0.099
6 x 6	Total CFM	50	75	100	125	150	175
	CFM/Side	13	19	25	31	38	44
	Throw	2-4	4-8	7-11	9-13	11-16	13-17
	NC	-	-	-	-	20	25
9 x 9	Total CFM	113	169	225	281	335	394
	CFM/Side	28	42	56	70	84	98
	Throw	3-5	5-9	8-12	10-15	12-17	14-18
	NC	-	-	-	21	26	31
12 x 12	Total CFM	200	300	400	500	600	700
	CFM/Side	50	75	100	125	150	175
	Throw	3-7	6-10	9-14	11-16	13-18	15-20
	NC	-	-	-	24	29	34
15 x 15	Total CFM	313	469	625	781	938	1094
	CFM/Side	78	117	156	195	234	273
	Throw	4-8	7-12	10-15	12-18	15-20	17-22
	NC	-	-	21	26	31	36
18 x 18	Total CFM	450	675	900	1125	1350	1575
	CFM/Side	113	169	225	281	338	394
	Throw	5-10	8-14	11-17	14-20	16-22	18-23
	NC	-	-	22	27	32	37
21 x 21	Total CFM	613	919	1225	1531	1837	2144
	CFM/Side	153	230	306	383	459	536
	Throw	6-12	9-16	12-19	15-21	17-23	19-25
	NC	-	-	23	28	33	38
24 x 24	Total CFM	800	1200	1600	2000	2400	2800
	CFM/Side	200	300	400	500	600	700
	Throw	7-14	10-17	12-20	16-23	18-25	21-27
	NC	-	-	24	29	34	39
27 x 27	Total CFM	1013	1519	2025	2531	3037	3544
	CFM/Side	253	380	506	633	759	886
	Throw	7-15	11-19	14-22	17-25	20-27	22-28
	NC	-	20	25	30	35	4

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XG-5000

**SERIES XG-5000 PERFORMANCE DATA/3-WAY RECTANGULAR PATTERN (R3S)
 MODEL XG-5000**

Neck Size	Side Destination	Neck Velocity													
		200		300		400		500		600		700			
		Ps		.013		.022		.035		.050		.068			
		Pt		.018		.032		.050		.072		.099			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
6 x 9	Total CFM		75		113		150		188		225		263		
	CFM/Side	28	23	42	35	56	47	70	59	84	70	98	82		
	Throw	3-6	3-6	7-12	7-11	11-18	11-17	16-23	16-23	21-29	20-28	24-32	24-34		
	NC	-	-	-	-	-	-	-	21	-	26	-	31	-	
6 x 12	Total CFM		100		150		200		250		300		350		
	CFM/Side	50	25	75	38	100	50	125	63	150	75	175	88		
	Throw	5-9	3-6	8-15	7-12	13-20	11-17	18-26	16-23	22-31	20-28	26-37	24-34		
	NC	-	-	-	-	-	-	-	23	-	28	-	33	-	
9 x 12	Total CFM		150		225		300		375		450		525		
	CFM/Side	50	50	75	75	100	100	125	125	150	150	175	175		
	Throw	5-9	5-9	8-15	8-15	13-20	13-20	18-26	18-26	22-31	22-31	26-37	26-37		
	NC	-	-	-	-	20	-	25	-	30	-	35	-		
9 x 15	Total CFM		188		281		375		469		563		656		
	CFM/Side	78	55	117	82	156	109	195	137	234	164	273	191		
	Throw	4-8	3-7	7-12	6-11	10-15	9-14	12-18	11-16	15-20	14-19	17-22	15-20		
	NC	20	-	20	-	20	-	23	-	28	-	33	-		
12 x 15	Total CFM		250		375		500		625		750		875		
	CFM/Side	78	86	117	129	156	172	195	215	234	258	273	301		
	Throw	4-8	4-9	7-12	7-12	10-15	10-16	12-18	13-18	15-20	15-20	17-22	17-22		
	NC	20	-	20	-	20	-	25	-	30	-	35	-		
12 x 18	Total CFM		300		450		600		750		900		1050		
	CFM/Side	113	94	169	141	225	188	281	234	338	281	394	328		
	Throw	5-10	4-9	8-14	7-13	11-17	10-16	14-20	13-19	16-22	15-21	18-23	17-22		
	NC	20	-	20	-	20	-	25	-	30	-	35	-		
15 x 18	Total CFM		375		563		750		938		1125		1313		
	CFM/Side	113	131	169	197	225	263	281	238	338	394	394	459		
	Throw	5-10	5-11	8-14	8-15	11-17	12-18	14-20	14-20	16-22	17-23	18-23	19-24		
	NC	20	-	20	-	21	-	26	-	31	-	36	-		
15 x 21	Total CFM		438		656		875		1094		1313		1531		
	CFM/Side	153	142	230	213	306	284	383	355	459	427	536	498		
	Throw	6-12	5-11	9-16	9-15	12-19	12-18	15-21	15-21	17-23	17-23	19-25	19-25		
	NC	20	-	20	-	22	-	27	-	32	-	37	-		
18 x 24	Total CFM		600		900		1200		1500		1800		2100		
	CFM/Side	200	200	300	300	400	400	500	500	600	600	700	700		
	Throw	7-14	7-14	10-17	10-17	13-20	13-20	16-23	16-23	18-25	18-25	21-27	21-27		
	NC	20	-	20	-	23	-	28	-	33	-	38	-		
21 x 27	Total CFM		788		1181		1575		1969		2362		2756		
	CFM/Side	253	267	380	401	506	534	633	668	759	802	886	935		
	Throw	7-15	7-15	11-19	11-19	14-22	15-22	17-25	17-25	20-27	20-27	22-28	22-29		
	NC	20	-	20	-	24	-	29	-	34	-	39	-		
24 x 30	Total CFM		1000		1500		2000		2500		3000		3500		
	CFM/Side	313	344	469	516	625	688	781	859	938	1031	1094	1203		
	Throw	8-17	8-17	12-20	12-11	15-23	16-24	18-26	19-27	21-28	21-29	23-30	23-31		
	NC	20	-	20	-	25	-	30	-	35	-	40	-		

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 DIFFUSERS

LOUVERED FACE DIFFUSERS

XG-5000

**SERIES XG-5000 PERFORMANCE DATA/3-WAY RECTANGULAR PATTERN (R3L)
MODEL XG-5000**

Neck Size	Side Designation	Neck Velocity															
		200		300		400		500		600		700					
		Ps		.013		.022		.035		.050		.068					
		Pt		.018		.032		.050		.072		.099					
		A	B	A	B	A	B	A	B	A	B	A	B	A	B		
6 x 9	Total CFM		75		113		150		185		225		263				
	CFM/Side	13	25	19	38	25	50	31	63	38	75	43	86				
	Throw	2-4	2-5	4-8	5-9	7-11	8-12	9-13	10-14	11-16	12-17	13-17	14-18				
	NC	-		-		-		-		-		-		-			
6 x 12	Total CFM		100		150		200		250		300		350				
	CFM/Side	13	38	19	56	25	75	31	94	38	113	44	131				
	Throw	2-4	3-6	4-8	6-10	7-11	8-13	9-13	11-15	11-16	13-17	13-17	15-19				
	NC	-		-		-		20		25		30					
9 x 12	Total CFM		150		225		300		375		450		525				
	CFM/Side	28	47	42	70	56	94	70	117	84	141	98	164				
	Throw	3-5	3-7	5-9	6-10	8-12	9-13	10-15	11-16	12-17	13-18	14-18	15-20				
	NC	-		-		-		22		27		32					
9 x 15	Total CFM		188		281		375		469		563		656				
	CFM/Side	28	66	42	98	56	131	70	164	84	197	98	230				
	Throw	3-5	4-8	5-9	7-11	8-12	9-14	10-15	12-17	12-17	14-19	14-18	16-21				
	NC	-		-		-		23		28		33					
9 x 18	Total CFM		225		338		450		563		675		788				
	CFM/Side	28	84	42	127	56	169	70	211	84	253	98	295				
	Throw	3-5	4-9	5-9	7-12	8-12	10-16	10-15	13-18	12-17	15-20	14-18	17-22				
	NC	-		-		-		24		29		34					
9 x 21	Total CFM		263		394		525		656		788		919				
	CFM/Side	28	103	42	155	56	206	70	258	84	309	98	361				
	Throw	3-5	5-10	5-9	8-13	8-12	11-17	10-15	13-19	12-17	16-21	14-18	18-23				
	NC	-		-		20		25		30		35					
12 x 15	Total CFM		250		375		500		625		750		875				
	CFM/Side	50	75	75	113	100	150	125	188	150	225	175	263				
	Throw	3-7	4-8	6-10	7-12	9-14	10-15	11-16	12-18	13-18	14-20	15-20	16-21				
	NC	-		-		20		25		30		35					

CEILING
DIFFUSERS

LOUVERED FACE DIFFUSERS

XG-5000

**SERIES XG-5000 PERFORMANCE DATA/3-WAY RECTANGULAR PATTERN (R3L)
 MODEL XG-5000**

Neck Size	Side Designation	Neck Velocity																	
		200		300		400		500		600		700							
		Ps		.013		.022		.035		.050		.068							
		Pt		.018		.032		.050		.072		.099							
		A	B	A	B	A	B	A	B	A	B	A	B						
12 x 18	Total CFM		300			450			600			750			900			1050	
	CFM/Side	50		100	75		150	100		200	125		250	150		300	175		350
	Throw	3-7		5-10	6-10		8-13	9-14		11-16	11-16		13-19	13-18		15-21	15-20		17-23
	NC		-			-			20			25			30			35	
12 x 21	Total CFM		375			563			750			938			1125			1313	
	CFM/Side	148		78	223		117	297		156	371		195	445		234	520		273
	Throw	6-12		4-8	9-15		7-12	12-19		10-15	15-21		12-18	17-23		15-20	19-25		17-22
	NC		20			20			21			26			31			36	
12 x 24	Total CFM		438			656			875			1094			1313			1531	
	CFM/Side	180		78	270		117	359		156	449		195	539		234	629		273
	Throw	6-13		4-8	10-17		7-12	13-20		10-15	16-22		12-18	18-27		16-22	20-26		17-22
	NC		20			20			22			27			32			37	
15 x 18	Total CFM		525			788			1050			1313			1575			1837	
	CFM/Side	206		113	309		169	413		225	516		281	619		338	722		394
	Throw	7-14		5-10	10-17		8-14	13-21		11-17	16-23		14-20	19-25		16-22	21-27		18-23
	NC		20			20			23			28			33			38	
15 x 24	Total CFM		600			900			1200			1500			1800			2100	
	CFM/Side	244		113	366		169	488		225	609		281	731		338	853		394
	Throw	7-15		5-10	11-19		8-14	14-22		11-17	17-24		14-20	19-26		17-23	22-28		18-23
	NC		20			20			23			28			33			38	
18 x 24	Total CFM		788			1181			1575			1969			2362			2756	
	CFM/Side	317		153	476		230	634		306	793		383	952		459	1110		536
	Throw	8-17		6-12	12-20		9-16	15-24		12-19	18-26		15-21	21-28		18-23	23-30		19-25
	NC		20			20			24			29			34			39	

**SERIES XG-5000 PERFORMANCE DATA/2-WAY SQUARE PATTERN (S2 – SC)
MODEL XG-5000**

Neck Size		Neck Velocity					
		200	300	400	500	600	700
		Ps	0.006	0.013	0.022	0.035	0.05
	Pt	0.008	0.018	0.032	0.05	0.072	0.099
6 x 6	Total CFM	50	75	100	125	150	175
	CFM/Side	25	38	50	63	75	88
	Throw	2-5	5-9	8-12	10-14	12-17	14-18
	NC	20	20	20	20	20	25
9 x 9	Total CFM	113	169	225	281	338	394
	CFM/Side	56	84	113	141	169	197
	Throw	3-7	6-11	9-14	12-17	14-19	16-20
	NC	20	20	20	21	26	31
12 x 12	Total CFM	200	300	400	500	600	700
	CFM/Side	100	150	200	250	300	350
	Throw	5-10	8-13	11-16	13-19	15-21	17-23
	NC	20	20	20	24	29	34
15 x 15	Total CFM	313	469	625	781	938	1094
	CFM/Side	156	234	313	391	469	547
	Throw	6-12	9-16	12-19	15-21	17-24	19-25
	NC	20	20	21	26	31	36
18 x 18	Total CFM	450	675	900	1125	1350	1575
	CFM/Side	225	338	450	563	675	788
	Throw	7-14	10-18	14-21	17-24	19-26	21-28
	NC	20	20	22	27	32	37
21 x 21	Total CFM	613	919	1225	1531	1837	2144
	CFM/Side	306	459	613	766	979	1072
	Throw	8-17	12-20	15-23	18-26	21-28	23-30
	NC	20	20	23	28	33	38
24 x 24	Total CFM	800	1200	1600	2000	2400	2800
	CFM/Side	400	600	800	1000	1200	1400
	Throw	9-18	13-22	16-25	19-28	22-30	24-30
	NC	20	20	24	29	34	39
27 x 27	Total CFM	1013	1519	2025	2531	3037	3544
	CFM/Side	506	759	1013	1266	1519	1772
	Throw	10-20	14-24	17-27	21-29	23-32	25-33
	NC	20	20	25	30	35	40

CEILING
DIFFUSERS

LOUVERED FACE DIFFUSERS

XG-5000

**SERIES XG-5000 PERFORMANCE DATA/1-WAY SQUARE PATTERN (S1)
 MODEL XG-5000**

Neck Size		Neck Velocity					
		200	300	400	500	600	700
		Ps	0.006	0.013	0.022	0.035	0.05
	Pt	0.008	0.018	0.032	0.05	0.072	0.099
6 x 6	Total CFM	50	75	100	125	150	175
	Throw	3-7	6-10	9-14	11-16	13-18	15-20
	NC	20	20	20	20	20	25
9 x 9	Total CFM	113	169	225	281	338	394
	Throw	5-10	8-14	11-17	14-20	16-22	18-23
	NC	20	20	20	21	26	31
12 x 12	Total CFM	200	300	400	500	600	700
	Throw	7-14	10-17	13-20	16-23	18-25	21-27
	NC	20	20	20	24	29	34
15 x 15	Total CFM	313	469	625	781	938	1094
	Throw	8-17	12-20	15-23	18-26	21-28	23-30
	NC	20	20	21	26	31	36
18 x 18	Total CFM	450	675	900	1125	1350	1575
	Throw	9-19	13-23	17-26	20-29	23-31	25-32
	NC	20	20	22	27	32	37
21 x 21	Total CFM	615	919	1225	1531	1837	2144
	Throw	10-21	14-25	18-28	21-31	24-33	26-35
	NC	20	20	23	28	33	38
24 x 24	Total CFM	800	1200	1600	2000	2400	2800
	Throw	11-23	15-27	19-30	23-32	25-34	28-36
	NC	20	20	24	29	34	39
27 x 27	Total CFM	1013	1519	2025	2531	3037	3544
	Throw	12-24	16-28	20-31	23-34	26-36	29-38
	NC	20	20	25	30	35	40

 CEILING
 DIFFUSERS

LOUVERED FACE DIFFUSERS

XG-5000

**SERIES XG-5000 PERFORMANCE DATA/
2-WAY RECTANGULAR PATTERN (R2L – R2S)
MODEL XG-5000**

Neck Size		Neck Velocity					
		200	300	400	500	600	700
		Ps	0.006	0.013	0.022	0.035	0.05
	Pt	0.008	0.018	0.032	0.05	0.072	0.099
6 x 9	Total CFM	75	113	150	188	225	263
	CFM/Side	38	56	75	94	113	131
	Throw	3-6	6-10	8-13	11-15	13-17	15-19
	NC	20	20	20	20	23	28
6 x 12	Total CFM	100	150	200	250	300	350
	CFM/Side	50	75	100	125	150	175
	Throw	3-7	6-10	9-14	11-16	13-18	15-20
	NC	20	20	20	20	25	30
6 x 15	Total CFM	125	188	250	313	375	438
	CFM/Side	63	94	125	156	188	219
	Throw	4-7	6-11	9-14	12-17	14-19	16-21
	NC	20	20	20	21	26	31
6 x 18	Total CFM	150	225	300	375	450	525
	CFM/Side	75	113	150	188	225	263
	Throw	4-8	7-12	10-15	12-18	14-20	16-21
	NC	20	20	20	22	27	32
9 x 15	Total CFM	188	281	375	469	563	656
	CFM/Side	94	141	188	234	281	328
	Throw	4-9	7-13	10-16	13-19	15-21	17-22
	NC	20	20	20	23	28	33
9 x 18	Total CFM	225	338	450	563	675	788
	CFM/Side	113	169	225	281	338	394
	Throw	5-10	8-14	11-17	14-20	16-22	18-23
	NC	20	20	20	24	29	34
9 x 21	Total CFM	263	394	525	656	788	919
	CFM/Side	131	197	263	328	394	459
	Throw	5-11	8-15	12-18	14-20	17-23	19-24
	NC	20	20	20	25	30	35
12 x 15	Total CFM	250	375	500	625	750	875
	CFM/Side	125	188	250	313	375	438
	Throw	5-11	8-14	11-18	14-20	16-22	18-24
	NC	20	20	20	25	30	35

**SERIES XG-5000 PERFORMANCE DATA/
 2-WAY RECTANGULAR PATTERN (R2L – R2S)
 MODEL XG-5000**

Neck Size		Neck Velocity					
		200	300	400	500	600	700
		Ps	0.006	0.013	0.022	0.035	0.05
	Pt	0.008	0.018	0.032	0.05	0.072	0.099
12 x 18	Total CFM	300	450	600	750	900	1050
	CFM/Side	150	225	300	375	450	525
	Throw	6-12	9-15	12-19	15-21	17-23	19-25
	NC	20	20	20	25	30	35
12 x 21	Total CFM	350	525	700	875	1050	1225
	CFM/Side	175	263	350	438	525	613
	Throw	6-13	9-16	13-20	15-22	18-24	20-26
	NC	20	20	21	26	31	36
15 x 21	Total CFM	438	656	875	1094	1313	1531
	CFM/Side	219	328	438	547	656	766
	Throw	7-14	10-18	14-21	16-24	19-26	21-27
	NC	20	20	22	27	32	37
15 x 24	Total CFM	500	750	1000	1250	1500	1750
	CFM/Side	250	375	500	625	750	875
	Throw	7-15	11-19	14-22	17-25	20-27	22-28
	NC	20	20	22	27	32	37
18 x 21	Total CFM	525	788	1050	1313	1575	1837
	CFM/Side	263	394	525	656	788	919
	Throw	7-15	11-19	14-22	17-25	20-27	22-29
	NC	20	20	23	28	33	38
18 x 24	Total CFM	600	900	1200	1500	1800	2100
	CFM/Side	300	450	600	750	900	1050
	Throw	8-16	12-20	15-23	18-26	21-28	23-30
	NC	20	20	23	28	33	38
21 x 27	Total CFM	788	1181	1575	1969	2362	2756
	CFM/Side	394	591	788	984	1181	1378
	Throw	9-18	13-22	16-25	19-28	22-30	24-32
	NC	20	20	24	20	34	39

**SERIES XG-5000 PERFORMANCE DATA/
1-WAY RECTANGULAR PATTERN (R1L – R1S)
MODEL XG-5000**

Neck Size		Neck Velocity					
		200	300	400	500	600	700
		Ps	0.006	0.013	0.022	0.035	0.05
	Pt	0.008	0.018	0.032	0.05	0.072	0.099
6 x 9	Total CFM	75	113	150	188	225	263
	Throw	4-8	7-12	10-15	12-18	14-20	16-21
	NC	20	20	20	20	23	28
6 x 12	Total CFM	100	150	200	250	300	350
	Throw	5-10	8-13	11-16	13-19	15-21	17-23
	NC	20	20	20	20	25	30
6 x 15	Total CFM	125	188	250	313	375	438
	Throw	5-11	8-14	11-18	14-20	16-22	18-24
	NC	20	20	20	21	26	31
6 x 18	Total CFM	150	225	300	300	450	525
	Throw	6-12	9-15	12-19	12-19	17-23	19-25
	NC	20	20	20	20	27	32
6 x 21	Total CFM	175	263	350	438	525	613
	Throw	6-13	9-16	13-20	15-22	18-24	20-26
	NC	20	20	20	23	28	33
9 x 15	Total CFM	188	281	375	469	563	656
	Throw	6-13	10-17	13-20	16-23	18-25	20-26
	NC	20	20	20	23	28	33
9 x 18	Total CFM	225	338	450	563	675	788
	Throw	7-14	10-18	14-21	17-24	19-26	21-28
	NC	20	20	20	24	29	34
12 x 15	Total CFM	250	375	500	625	750	875
	Throw	7-15	11-19	14-22	17-25	20-27	22-28
	NC	20	20	20	25	30	35
12 x 18	Total CFM	300	450	600	750	900	1050
	Throw	8-16	12-20	15-23	18-26	21-28	23-30
	NC	20	20	20	25	30	35
15 x 21	Total CFM	438	656	875	1094	1313	1531
	Throw	9-19	13-23	17-26	20-28	22-31	25-32
	NC	20	20	22	27	32	37
15 x 24	Total CFM	500	750	1000	1250	1500	1750
	Throw	10-20	14-24	17-27	20-29	23-31	25-33
	NC	20	20	22	27	32	37
18 x 21	Total CFM	525	788	1050	1313	1575	1837
	Throw	10-20	14-24	18-27	21-30	23-32	26-34
	NC	20	20	23	28	33	38
18 x 24	Total CFM	600	900	1200	1500	1800	2100
	Throw	10-21	14-25	18-28	21-31	24-33	26-34
	NC	20	20	23	28	33	38
21 x 27	Total CFM	788	1181	1575	1969	2362	2756
	Throw	11-23	15-26	19-30	23-32	25-34	28-36
	NC	20	20	24	29	34	39

CEILING
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LOUVERED FACE DIFFUSERS

XG-5000

PERFORMANCE NOTES FOR SERIES XG-5000

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

DEFINITION OF UNITS

CFM	Cubic Feet Per Minute (air)
Horizontal Throw	Throw distance in feet at terminal velocities of 150fpm, 100fpm and 50fpm
NC	noise criteria, 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
Ps	Static pressure. Diffuser only
Pt	Total pressure. Includes plenum and inlet size listed and is the sum of velocity and static pressure
Pv	Velocity pressure
fpm	Velocity of air stream in Feet Per Minute
Ps-H	Static pressure horizontal
Ps-V	Static pressure vertical
Pt-V	Total pressure vertical
Throw H C	Throw horizontal cooling
Throw V C	Throw vertical cooling
Throw V H	Vertical heating