

**SERIES XG-SS-LT PERFORMANCE DATA**  
**MODEL XG-SS-LT/SSI-LT**

		CFM/LF	10	15	20	25	30	35	40	50	
2' Length	5" Inlet	Horizontal	CFM	20	30	40	50	60	70	80	100
			Ps	.020	.045	.081	.126	.182	.247	.323	.504
			Pt	.022	.048	.086	.134	.104	.264	.344	.538
		Throw	2-3-6	3-5-9	4-6-11	5-8-12	6-9-13	7-10-14	9-11-15	10-12-17	
		NC	<15	<15	15	22	28	33	37	44	
		Vertical	CFM	20	30	40	50	60	70	80	100
	Ps		.020	.045	.081	.126	.182	.247	.323	.504	
	Pt		.022	.048	.086	.134	.194	.264	.344	.538	
	Throw		1-2-4	2-3-5	2-4-7	3-4-8	4-5-9	4-6-9	5-7-10	6-8-11	
	NC		<15	<15	15	22	28	33	37	44	
	6" Inlet	Horizontal	CFM	20	30	40	50	60	70	80	100
			Ps	.019	.043	.077	.121	.174	.237	.309	.483
			Pt	.020	.045	.080	.125	.180	.245	.320	.499
			Throw	2-3-6	3-5-9	4-6-11	5-8-12	6-9-13	7-10-14	9-11-15	10-12-17
NC			<15	<15	15	22	28	33	37	44	
Vertical		CFM	20	30	40	50	60	70	80	100	
		Ps	.019	.043	.077	.121	.174	.237	.309	.483	
		Pt	.020	.045	.080	.125	.180	.245	.320	.499	
		Throw	1-2-4	2-3-5	2-4-7	3-4-8	4-5-9	4-6-9	5-7-10	6-8-11	
		NC	<15	<15	15	22	28	33	37	44	
3' Length	5" Inlet	Horizontal	CFM	30	45	60	75	90	105	120	-
			Ps	.024	.053	.095	.148	.213	.290	.379	-
			Pt	.027	.060	.107	.167	.240	.327	.427	-
			Throw	1-2-7	2-5-10	4-7-12	5-8-13	7-10-15	8-11-16	9-12-17	-
			NC	<15	<15	18	25	31	37	42	-
		Vertical	CFM	30	45	60	75	90	105	120	-
			Ps	.021	.048	.085	.133	.192	.261	.341	-
			Pt	.024	.055	.097	.152	.219	.298	.390	-
			Throw	1-2-4	2-3-6	3-4-8	3-5-9	4-6-10	5-7-11	5-8-12	-
			NC	<15	<15	18	25	31	37	42	-
	6" Inlet	Horizontal	CFM	30	45	60	75	90	105	120	-
			Ps	.024	.053	.095	.148	.213	.290	.379	-
			Pt	.025	.057	.100	.157	.226	.308	.402	-
			Throw	1-2-7	2-5-10	4-7-12	5-8-13	7-10-15	8-11-16	9-12-17	-
NC			<15	<15	18	25	31	37	42	-	
Vertical		CFM	30	45	60	75	90	105	120	-	
		Ps	.021	.048	.085	.133	.192	.261	.341	-	
		Pt	.023	.051	.091	.142	.205	.279	.365	-	
		Throw	1-2-4	2-3-6	3-4-8	3-5-9	4-6-10	5-7-11	5-8-12	-	
NC	<15	<15	18	25	31	37	42	-			

PLENUM SLOT  
DIFFUSERS

LIGHT TROFFER DIFFUSERS

XG-LT

**SERIES XG-SS-LT PERFORMANCE DATA**  
**MODEL XG-SS-LT/SSI-LT**

		CFM/LF	10	15	20	25	30	35	40	50	
4' Length	5" Inlet	Horizontal	CFM	40	60	80	100	120	140	-	-
			Ps	.028	.062	.111	.173	.250	.340	-	-
			Pt	.033	.075	.132	.207	.298	.406	-	-
			Throw	1-2-6	2-4-9	4-6-10	5-7-12	6-9-13	7-10-14	-	-
			NC	<15	<15	23	30	37	44	-	-
		Vertical	CFM	40	60	80	100	120	140	-	-
			Ps	.026	.059	.105	.164	.236	.321	-	-
			Pt	.032	.071	.126	.197	.284	.387	-	-
			Throw	1-2-4	2-3-6	3-4-8	3-5-8	4-6-9	5-7-10	-	-
			NC	<15	<15	23	30	37	44	-	-
	6" Inlet	Horizontal	CFM	40	60	80	100	120	140	-	-
			Ps	.028	.062	.111	.173	.250	.340	-	-
			Pt	.030	.068	.121	.190	.273	.372	-	-
			Throw	1-2-6	2-4-9	4-6-10	5-7-12	6-9-13	7-10-14	-	-
NC			<15	<15	23	30	37	44	-	-	
Vertical		CFM	40	60	80	100	120	140	-	-	
		Ps	.026	.059	.105	.164	.236	.321	-	-	
		Pt	.029	.065	.115	.180	.259	.352	-	-	
		Throw	1-2-4	2-3-6	3-4-8	3-5-8	4-6-9	5-7-10	-	-	
		NC	<15	<15	23	30	37	44	-	-	

**SERIES XG-DS-LT PERFORMANCE DATA**  
**MODEL ZG-DS-LT/ZG-DSI-LT - TOP INLET**

W x L		CFM/LF	15	20	25	30	35	40	45	50	55	60	
2' x 2'	5" Inlet	Horizontal	CFM	30	40	50	60	70	80	90	100	110	120
			Ps	.014	.026	.040	.057	.078	.102	.129	.160	.193	.230
			Pt	.017	.031	.048	.070	.095	.124	.156	.193	.234	.278
		Throw	0-1-2	0-1-3	1-2-4	1-2-4	1-3-5	2-3-6	2-3-7	2-4-7	3-4-8	3-4-9	
		NC	<15	<15	<15	<15	17	21	25	28	32	36	
		Vertical	CFM	30	40	50	60	70	80	90	100	110	120
	Ps		.014	.026	.040	.057	.078	.102	.129	.160	.193	.230	
	Pt		.017	.031	.048	.070	.095	.124	.156	.193	.234	.278	
	Throw		1-1-3	1-2-4	1-3-5	2-3-7	3-4-8	3-4-8	3-5-9	4-5-9	4-6-10	4-7-10	
	NC		<15	<15	<15	<15	17	21	25	28	32	36	
	6" Inlet		Horizontal	CFM	30	40	50	60	70	80	90	100	110
		Ps		.013	.024	.037	.054	.073	.096	.121	.150	.181	.216
		Pt		.015	.027	.042	.060	.081	.106	.135	.156	.201	.239
		Throw		0-1-2	0-1-3	1-2-4	1-2-4	1-3-5	2-3-6	2-3-7	2-4-7	3-4-8	3-4-9
		NC		<15	<15	<15	<15	17	21	25	28	32	36
		Vertical		CFM	30	40	50	60	70	80	90	100	110
			Ps	.013	.024	.037	.054	.073	.096	.121	.159	.161	.216
			Pt	.015	.027	.042	.060	.081	.106	.135	.168	.201	.239
Throw			1-1-3	1-2-4	1-3-5	2-3-7	3-4-8	3-4-8	3-5-9	4-5-9	4-6-10	4-7-10	
NC			<15	<15	<15	<15	17	21	25	28	32	36	
5" Inlet			Horizontal	CFM	45	60	75	90	105	120	135	150	165
		Ps		.017	.030	.048	.069	.093	.122	.154	.191	.231	.274
	Pt	.024		.043	.067	.096	.130	.170	.215	.266	.322	.383	
	Throw	0-1-4		1-2-5	1-2-6	2-4-7	2-4-8	3-5-10	4-5-10	4-6-11	4-7-11	5-7-12	
	NC	<15		<15	<15	16	21	25	29	32	35	37	
	Vertical	CFM		45	60	75	90	105	120	135	150	165	180
		Ps	.017	.030	.048	.069	.093	.122	.154	.191	.231	.274	
		Pt	.024	.043	.067	.096	.130	.170	.215	.266	.322	.383	
		Throw	0-1-3	1-2-4	1-2-5	2-3-7	2-4-7	3-4-8	3-5-8	4-5-9	4-6-9	4-7-9	
		NC	<15	<15	<15	16	21	25	29	32	35	37	
		6" Inlet	Horizontal	CFM	45	60	75	90	105	120	135	150	165
	Ps			.015	.027	.042	.061	.083	.108	.137	.169	.205	.244
Pt	.019			.033	.051	.074	.101	.132	.167	.206	.249	.296	
Throw	0-1-4			1-2-5	1-2-6	2-4-7	2-4-8	3-5-10	4-5-10	4-6-11	4-7-11	5-7-12	
NC	<15			<15	<15	16	21	25	29	32	35	37	
Vertical	CFM			45	60	75	90	105	120	135	150	165	180
	Ps		.015	.027	.042	.061	.083	.108	.137	.169	.205	.244	
	Pt		.019	.033	.051	.074	.101	.132	.167	.206	.249	.296	
	Throw		0-1-3	1-2-4	1-2-5	2-3-7	2-4-7	3-4-8	3-5-8	4-5-9	4-6-9	4-7-9	
	NC		<15	<15	<15	16	21	25	29	32	35	37	

PLENUM SLOT  
DIFFUSERS

LIGHT TROFFER DIFFUSERS

XG-LT

**SERIES XG-DS-LT PERFORMANCE DATA**  
**MODEL XG-DS-LT/XG-DSI-LT - TOP INLET**

W x L		CFM/LF	15	20	25	30	35	40	45	50	55	60	
4' x 4'	5" Inlet	Horizontal	CFM	60	80	100	120	140	160	180	200	220	-
			Ps	.023	.042	.065	.094	.127	.166	.210	.260	.314	-
			Pt	.035	.063	.099	.142	.193	.252	.319	.394	.477	-
			Throw	1-2-4	2-3-5	2-3-7	3-4-8	3-5-8	4-5-9	4-6-9	4-7-10	5-7-10	-
			NC	<15	<15	16	21	26	30	33	37	41	-
	Vertical	CFM	60	80	100	120	140	160	180	200	220	-	
		Ps	.023	.042	.065	.094	.127	.166	.210	.260	.314	-	
		Pt	.035	.063	.099	.142	.193	.252	.319	.394	.477	-	
		Throw	0-1-4	1-2-5	1-2-6	2-4-6	2-4-7	3-5-7	4-5-8	4-6-8	4-6-8	-	
		NC	<15	<15	16	21	26	30	33	37	41	-	
2' x 4'	6" Inlet	Horizontal	CFM	60	80	100	120	140	160	180	200	220	-
			Ps	.021	.037	.058	.083	.113	.148	.187	.231	.280	-
			Pt	.027	.047	.074	.107	.145	.189	.240	.296	.358	-
			Throw	1-2-4	2-3-5	2-3-7	3-4-8	3-5-8	4-5-9	4-6-9	4-7-10	5-7-10	-
			NC	<15	<15	16	21	26	30	33	37	41	-
	Vertical	CFM	60	80	100	120	140	160	180	200	220	-	
		Ps	.021	.037	.058	.083	.113	.148	.187	.231	.280	-	
		Pt	.027	.047	.074	.107	.145	.189	.240	.296	.358	-	
		Throw	0-1-4	1-2-5	1-2-6	2-4-6	2-4-7	3-5-7	4-5-8	4-6-8	4-6-8	-	
		NC	<15	<15	16	21	26	30	33	37	41	-	
1' x 4'	6" Inlet	Horizontal	CFM	60	80	100	120	140	160	180	200	220	-
			Ps	.021	.037	.058	.083	.113	.148	.187	.231	.280	-
			Pt	.027	.047	.074	.107	.145	.189	.240	.296	.358	-
			Throw	1-2-4	2-3-5	2-3-7	3-4-8	3-5-8	4-5-9	4-6-9	4-7-10	5-7-10	-
			NC	<15	<15	16	21	26	30	33	37	41	-
	Vertical	CFM	60	80	100	120	140	160	180	200	220	-	
		Ps	.021	.037	.058	.083	.113	.148	.187	.231	.280	-	
		Pt	.027	.047	.074	.107	.145	.189	.240	.296	.358	-	
		Throw	0-1-4	1-2-5	1-2-6	2-4-6	2-4-7	3-5-7	4-5-8	4-6-8	4-6-8	-	
		NC	<15	<15	16	21	26	30	33	37	41	-	

**SERIES XG-DS-LT PERFORMANCE DATA**  
**MODEL XG-DS-LT/XG-DSI-LT - SIDE INLET**

W x L		CFM/LF	15	20	25	30	35	40	45	50	55	60	
2' x 2'	5" Inlet	Horizontal	CFM	30	40	50	60	70	80	90	100	110	120
			Ps	.016	.029	.046	.066	.089	.117	.148	.182	.221	.263
			Pt	.019	.035	.054	.078	.106	.138	.175	.216	.261	.311
			Throw	0-1-2	0-1-4	1-2-6	1-2-9	1-3-10	2-4-11	2-5-11	3-6-12	3-7-13	4-9-13
			NC	<15	<15	<15	<15	17	22	26	29	32	36
		Vertical	CFM	30	40	50	60	70	80	90	100	110	120
			Ps	.016	.029	.046	.066	.089	.117	.148	.182	.221	.263
			Pt	.019	.035	.054	.078	.106	.138	.175	.216	.261	.311
			Throw	1-1-3	1-2-4	2-3-5	2-3-6	2-4-7	3-4-8	3-5-8	3-5-9	4-6-9	4-6-10
			NC	<15	<15	<15	<15	17	22	26	29	32	36
	6" Inlet	Horizontal	CFM	30	40	50	60	70	80	90	100	110	120
			Ps	.014	.025	.040	.057	.078	.102	.129	.159	.193	.229
			Pt	.016	.028	.044	.063	.086	.112	.142	.175	.212	.253
			Throw	0-1-2	0-1-4	1-2-6	1-2-9	1-3-10	2-4-11	2-5-11	3-6-12	3-7-13	4-9-13
			NC	<15	<15	<15	<15	17	22	26	29	32	36
		Vertical	CFM	30	40	50	60	70	80	90	100	110	120
			Ps	.014	.025	.040	.057	.078	.102	.129	.159	.193	.229
			Pt	.016	.028	.044	.063	.086	.112	.142	.175	.212	.253
Throw			1-1-3	1-2-4	2-3-5	2-3-6	2-4-7	3-4-8	3-5-8	.221	4-6-9	4-6-10	
NC			<15	<15	<15	<15	17	22	26	29	32	36	
3' x 3'	5" Inlet	Horizontal	CFM	45	60	75	90	105	120	135	150	165	180
			Ps	.021	.038	.059	.085	.115	.150	.190	.235	.284	.339
			Pt	.028	.050	.078	.112	.152	.199	.252	.311	.376	.447
			Throw	0-1-4	1-2-5	1-2-6	2-4-7	2-4-8	3-5-9	4-5-11	4-6-11	4-6-12	5-7-12
			NC	<15	<15	<15	19	24	28	31	34	36	39
		Vertical	CFM	45	60	75	90	105	120	135	150	165	180
			Ps	.021	.038	.059	.085	.115	.150	.190	.235	.284	.339
			Pt	.028	.050	.078	.112	.152	.199	.252	.311	.376	.447
			Throw	0-1-4	1-2-5	1-2-6	2-4-7	2-4-8	3-5-10	4-5-11	4-6-12	4-7-12	5-7-13
			NC	<15	<15	<15	19	24	28	31	34	36	39
	6" Inlet	Horizontal	CFM	45	60	75	90	105	120	135	150	165	180
			Ps	.018	.033	.051	.074	.100	.131	.166	.205	.248	.295
			Pt	.022	.039	.060	.087	.118	.154	.195	.241	.292	.347
			Throw	0-1-4	1-2-5	1-2-6	2-4-7	2-4-8	3-5-9	4-5-11	4-6-11	4-6-12	5-7-12
			NC	<15	<15	<15	19	24	28	31	34	36	39
		Vertical	CFM	45	80	75	90	105	120	135	150	165	180
			Ps	.018	.033	.051	.074	.100	.131	.166	.205	.248	.295
			Pt	.022	.039	.060	.087	.118	.154	.195	.241	.292	.347
Throw			0-1-4	1-2-5	1-2-6	2-4-7	2-4-8	3-5-10	4-5-11	4-6-12	4-7-12	5-7-13	
NC			<15	<15		19	24	28	31	34	36	39	

PLENUM SLOT  
DIFFUSERS

LIGHT TROFFER DIFFUSERS

XG-LT

**SERIES XG-DS-LT PERFORMANCE DATA**  
**MODEL XG-DS-LT/XG-DSI-LT - SIDE INLET**

W x L		CFM/LF	15	20	25	30	35	40	45	50	55	60		
4' x 4'	5" Inlet	Horizontal	CFM	60	80	100	120	140	160	180	200	-	-	
			Ps	.031	.056	.087	.125	.171	.223	.282	.349	-	-	
			Pt	.043	.077	.121	.174	.237	.309	.391	.483	-	-	
			Throw	1-2-3	1-2-4	2--3-5	2-3-6	2-4-7	3-4-8	3-5-9	3-5-10	-	-	
			NC	<15	<15	20	25	29	33	37	41	-	-	
	Vertical	CFM	60	80	100	120	140	160	180	200	-	-		
		Ps	.031	.056	.087	.125	.171	.223	.282	.349	-	-		
		Pt	.043	.077	.121	.174	.237	.309	.391	.483	-	-		
		Throw	0-1-2	0-1-4	1-1-6	1-2-6	1-3-7	2-4-7	2-5-8	3-6-8	-	-		
		NC	<15	<15	20	25	29	33	37	41	-	-		
	2' x 4'	6" Inlet	Horizontal	CFM	60	80	100	120	140	160	180	200	-	-
				Ps	.026	.046	.072	.103	.141	.184	.233	.287	-	-
Pt				.032	.056	.088	.127	.172	.225	.285	.352	-	-	
Throw				1-2-3	1-2-4	2-3-5	2-3-6	2-4-7	3-4-8	3-5-9	3-5-10	-	-	
NC				<15	<15	20	25	29	33	37	41	-	-	
Vertical		CFM	60	80	100	120	140	160	180	200	-	-		
		Ps	.026	.046	.072	.103	.141	.184	.233	.287	-	-		
		Pt	.032	.056	.088	.127	.172	.225	.285	.352	-	-		
		Throw	0-1-2	0-1-4	1-1-6	1-2-6	1-3-7	2-4-7	2-5-8	3-6-8	-	-		
		NC	<15	<15	20	25	29	33	37	41	-	-		
1' x 4'		6" Inlet	Horizontal	CFM	60	80	100	120	140	160	180	200	-	-
				Ps	.026	.046	.072	.103	.141	.184	.233	.287	-	-
	Pt			.032	.056	.088	.127	.172	.225	.285	.352	-	-	
	Throw			1-2-3	1-2-4	2-3-5	2-3-6	2-4-7	3-4-8	3-5-9	3-5-10	-	-	
	NC			<15	<15	20	25	29	33	37	41	-	-	
	Vertical	CFM	60	80	100	120	140	160	180	200	-	-		
		Ps	.026	.046	.072	.103	.141	.184	.233	.287	-	-		
		Pt	.032	.056	.088	.127	.172	.225	.285	.352	-	-		
		Throw	0-1-2	0-1-4	1-1-6	1-2-6	1-3-7	2-4-7	2-5-8	3-6-8	-	-		
		NC	<15	<15	20	25	29	33	37	41	-	-		

**PERFORMANCE NOTES FOR SERIES XG-PHP**  
**MODEL XG-DS-LT**

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

**DEFINITION OF UNITS**

Pt Total pressure (inches of water column)

Throw Isothermal throw (supply air temperature the same as 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<sup>-12</sup> watts minus a 10dB room attenuation in all octave bands