

PERFORMANCE DATA - MODEL LSDSQ
LINEAR SLOT DIFFUSERS SQUARE - 3/4" SLOT WIDTH

1 Slot 8" Inlet	CFM	100	150	200	250	300	350
	Throw	3-5-10	5-7-13	6-9-15	8-12-18	9-14-20	11-16-22
	Pt	0.023	0.046	0.080	0.122	0.172	0.228
	Ps	0.017	0.034	0.059	0.090	0.125	0.165
	NC	-	-	27	30	38	44
2 Slot 10" Inlet	CFM	150	200	250	330	350	400
	Throw	2-4-10	3-6-12	5-8-15	7-10-17	8-13-21	8-15-24
	Pt	0.030	0.050	0.074	0.103	0.137	0.169
	Ps	0.025	0.041	0.061	0.084	0.110	0.135
	NC	-	-	22	28	35	39
3 Slot 12" Inlet	CFM	200	250	300	350	400	450
	Throw	4-5-10	5-7-13	6-8-16	7-9-19	8-11-21	9-13-23
	Pt	0.028	0.042	0.055	0.074	0.090	0.117
	Ps	0.023	0.035	0.046	0.061	0.074	0.094
	NC	-	-	20	25	29	34
4 Slot 8" Inlet	CFM	250	300	350	400	450	500
	Throw	4-5-10	5-7-13	6-8-15	7-10-19	7-11-20	8-12-22
	Pt	0.034	0.048	0.059	0.071	0.091	0.107
	Ps	0.027	0.038	0.045	0.55	0.68	0.081
	NC	-	20	23	27	30	33

PERFORMANCE DATA - MODEL LSDSQ
MODEL XG-6600SQ 3/4" SLOT WIDTH

1 Slot 6" Inlet	CFM	50	100	150	200	250	300
	Throw	2-3-5	3-5-9	4-8-13	6-10-16	8-12-18	10-15-20
	Pt	0.013	0.039	0.083	0.145	0.219	0.319
	Ps	0.011	0.033	0.071	0.125	0.187	0.272
	NC	-	-	20	28	32	39
2 Slot 10" Inlet	CFM	100	150	200	250	300	350
	Throw	2-4-7	3-6-10	5-8-13	6-10-16	7-12-18	8-14-20
	Pt	0.015	0.033	0.068	0.087	0.124	0.172
	Ps	0.013	0.026	0.049	0.074	0.105	0.145
	NC	-	-	20	24	26	31
3 Slot 10" Inlet	CFM	150	200	250	300	350	400
	Throw	3-4-9	4-5-12	5-7-15	6-9-17	7-11-19	8-13-22
	Pt	0.023	0.040	0.051	0.078	0.117	0.149
	Ps	0.018	0.031	0.048	0.059	0.090	0.115
	NC	-	-	22	25	28	32
4 Slot 12" Inlet	CFM	200	250	300	350	400	450
	Throw	3-4-8	4-5-11	6-9-15	7-10-18	8-11-20	8-13-22
	Pt	0.025	0.038	0.064	0.075	0.092	0.117
	Ps	0.021	0.031	0.044	0.062	0.075	0.094
	NC	-	-	-	22	25	28

PERFORMANCE DATA - MODEL LSDSQ

LINEAR SLOT DIFFUSERS SQUARE - 1/2" SLOT WIDTH

1 Slot 6" Inlet	CFM	50	100	150	175	200	225
	Throw	4-6-8	6-10-15	8-13-19	12-17-22	15-20-29	18-24-35
	Pt	0.028	0.102	0.227	0.302	0.37	0.42
	Ps	0.023	0.086	0.19	0.251	0.305	0.42
	NC	-	27	35	41	48	52
2 Slot 8" Inlet	CFM	75	125	150	200	250	275
	Throw	3-5-7	4-7-10	5-8-12	7-10-15	9-3-19	11-18-22
	Pt	0.034	0.059	0.122	0.021	0.312	0.39
	Ps	0.03	0.051	0.11	0.18	0.28	0.35
	NC	-	-	24	29	38	45
3 Slot 8" Inlet	CFM	100	150	200	225	250	300
	Throw	2-4-5	3-6-7	5-8-11	6-9-13	7-10-15	9-12-18
	Pt	0.042	0.088	0.146	0.187	0.222	0.312
	Ps	0.036	0.076	0.125	0.16	0.19	0.265
	NC	-	-	21	27	35	43
4 Slot 10" Inlet	CFM	150	200	250	275	300	350
	Throw	3-5-6	5-7-8	7-10-12	8-11-14	9-13-17	11-15-21
	Pt	0.061	0.103	0.153	0.191	0.209	0.282
	Ps	0.056	0.094	0.14	0.175	0.19	0.255
	NC	-	22	28	32	37	40

PERFORMANCE NOTES FOR SERIES LSDSQ

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 150, 100 and 50 fpm.
NC	Noise criterion, sound pressure level. NC ratings are based on sound power level (Lw) re: 10^{-12} watts minus a 10 dB room attenuation in all octave bands
Ps	Static pressure = $P_t - P_v$ (inches of water column)
Pt	Total pressure (inches of water column)
Pv	Velocity pressure (inches of water column)
fpm	Velocity of air stream in Feet per Minute