

PERFORMANCE DATA - LINEAR BAR GRILLES

MODEL LBG - (1/2" BAR SPACING, 7/32" BAR WIDTH, 0° AND 15° DEFLECTION)

Listed Width (in inches)	Outlet Velocity (Vk)	500	700	900	1000	1100	1200	1300
	Total Pressure (Pt)	.016	.031	.051	.062	.076	.090	.105
	Static Pressure (Ps)	.012	.024	.040	.050	.060	.072	.084
	NC	-	15	20	23	26	29	31
1 1/2 .062	Flow CFM / FT	31	43	56	62	68	74	81
	Throw Sill or Floor	6-9	9-13	10-14	11-16	13-18	13-19	14-20
	Throw Side Wall	8-11	11-16	13-18	14-20	15-22	17-24	17-25
2 .086	Flow CFM / FT	43	60	77	86	95	103	112
	Throw Sill or Floor	5-8	8-12	10-14	11-16	13-18	13-19	14-20
	Throw Side Wall	7-10	10-15	13-18	14-20	15-22	17-24	17-25
2 1/2 .110	Flow CFM / FT	55	77	99	110	121	132	143
	Throw Sill or Floor	6-9	9-13	11-16	13-18	13-19	15-21	15-22
	Throw Side Wall	8-11	11-16	14-20	16-23	17-24	18-26	20-28
3 .130	Flow CFM / FT	65	91	117	130	143	156	169
	Throw Sill or Floor	7-10	10-15	13-18	15-21	15-22	17-24	18-26
	Throw Side Wall	8-12	13-18	15-22	17-25	18-26	20-28	21-30
3 1/2 .152	Flow CFM / FT	76	106	137	152	167	182	198
	Throw Sill or Floor	7-10	10-15	13-18	15-21	15-22	17-24	18-26
	Throw Side Wall	9-13	13-18	16-23	18-26	20-26	21-30	21-30
4 .176	Flow CFM / FT	88	123	158	176	194	211	229
	Throw Sill or Floor	8-11	12-16	14-20	16-23	18-26	19-27	20-29
	Throw Side Wall	10-14	15-22	17-25	20-29	22-32	24-34	25-36
5 .220	Flow CFM / FT	110	154	198	220	242	264	286
	Throw Sill or Floor	8-12	13-18	15-21	17-24	18-26	19-27	21-30
	Throw Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
6 .265	Flow CFM / FT	133	186	239	265	292	318	345
	Throw Sill or Floor	8-12	13-18	15-22	17-25	18-26	20-28	21-30
	Throw Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
8 .356	Flow CFM / FT	178	249	320	356	392		
	Throw Sill or Floor	10-14	13-19	15-22	18-26	19-27		
	Throw Side Wall	12-17	17-24	20-28	23-33	24-34		
10 .446	Flow CFM / FT	223	312	401	446			
	Throw Sill or Floor	10-15	15-22	18-26	21-30			
	Throw Side Wall	13-19	20-28	23-33	26-37			
12 .536	Flow CFM / FT	268	375	482				
	Throw Sill or Floor	12-17	22-31	21-33				
	Throw Side Wall	15-21	24-35	27-38				

PERFORMANCE DATA - LINEAR BAR GRILLES

MODEL LBG - (1/2" BAR SPACING, 7/32" BAR WIDTH, 30° DEFLECTION)

Listed Width (in inches)	Outlet Velocity (V _k)	500	700	900	1000	1100	1200	1300
	Total Pressure (Pt)	.020	.040	.067	.081	.100	.119	.139
	Static Pressure (Ps)	.017	.034	.056	.070	.084	.100	.118
	NC	15	20	25	28	31	34	36
1 1/2 .062	Flow CFM / FT	35	49	64	71	78	84	92
	Throw Sill or Floor	5-8	8-12	10-14	11-16	13-18	13-19	14-20
	Throw Side Wall	7-9	10-14	12-16	14-20	15-22	17-24	17-25
2 .086	Flow CFM / FT	49	68	88	98	108	118	128
	Throw Sill or Floor	6-9	9-13	10-14	11-16	13-18	13-19	14-20
	Throw Side Wall	8-10	10-15	13-18	15-21	16-23	17-27	18-26
2 1/2 .110	Flow CFM / FT	63	88	113	126	138	151	163
	Throw Sill or Floor	6-9	9-13	11-16	13-18	13-19	15-21	15-22
	Throw Side Wall	8-11	11-16	14-60	16-23	17-24	18-26	20-28
3 .130	Flow CFM / FT	74	104	133	148	163	178	193
	Throw Sill or Floor	7-10	10-14	13-18	15-21	15-22	17-24	18-26
	Throw Side Wall	8-12	13-18	15-22	17-25	18-26	20-28	21-30
3 1/2 .152	Flow CFM / FT	87	121	156	173	191	208	226
	Throw Sill or Floor	7-10	10-15	13-18	14-20	15-21	15-22	17-24
	Throw Side Wall	8-12	13-19	16-23	18-26	20-28	21-30	22-32
4 .176	Flow CFM / FT	100	140	180	201	221	241	261
	Throw Sill or Floor	8-11	13-18	15-21	17-24	18-26	19-27	21-30
	Throw Side Wall	10-14	15-22	17-25	20-29	22-32	24-34	25-36
5 .220	Flow CFM / FT	126	176	226	251	276	301	326
	Throw Sill or Floor	8-12	13-18	15-22	17-25	18-26	20-28	21-30
	Throw Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
6 .265	Flow CFM / FT	151	212	272	302	333	363	393
	Throw Sill or Floor	9-13	13-18	15-22	17-25	18-26	20-28	21-30
	Throw Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
8 .356	Flow CFM / FT	203	284	366	406	447		
	Throw Sill or Floor	10-14	13-19	15-22	18-26	19-27		
	Throw Side Wall	12-17	17-24	20-28	23-33	24-34		
10 .446	Flow CFM / FT	254	356	458	509			
	Throw Sill or Floor	10-15	15-22	18-26	21-30			
	Throw Side Wall	13-19	20-28	23-33	26-37			
12 .536	Flow CFM / FT	306	428	550				
	Throw Sill or Floor	12-17	22-31	21-30				
	Throw Side Wall	15-21	24-35	27-38				

PERFORMANCE NOTES FOR SERIES LBG

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

VK Outlet Velocity

Pt Total pressure (inches of water column)

Ps Static pressure = $P_t - P_v$ (inches of water column)

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

Throw Total distance (in feet) covered by an airstream before its maximum velocity falls to a preselected terminal level (Vt) of 150fpm and 50fpm respectively.