

PERFORMANCE DATA - LINEAR BAR GRILLES

MODEL LBG (1/4" BAR SPACING, 1/8" BAR WIDTH, 0° AND 15° DEFLECTION)

Listed Width (in inches) and effective Free Area	Outlet Velocity (V _k)	500	700	900	1000	1100	1200	1300
	Total Pressure (Pt)	.020	.038	.062	.076	.091	.110	.128
	Static Pressure (Ps)	.015	.029	.049	.061	.073	.088	.102
	NC	15	18	24	28	31	35	37
1.5 .062	Flow CFM / FT	31	44	56	63	69	75	81
	Throw Sill or Floor	7-11	11-16	12-17	13-19	16-22	16-23	17-24
	Throw Side Wall	10-13	13-19	16-22	17-24	18-26	20-29	20-30
2 .086	Flow CFM / FT	43	60	77	85	94	102	111
	Throw Sill or Floor	6-10	10-14	12-17	13-19	16-22	16-23	17-24
	Throw Side Wall	8-12	12-18	16-22	17-24	18-26	20-29	20-30
2.5 .110	Flow CFM / FT	55	77	99	110	121	132	143
	Throw Sill or Floor	7-11	11-16	13-19	16-22	16-23	18-25	18-26
	Throw Side Wall	10-13	13-19	17-24	19-28	20-29	22-31	24-34
3 .130	Flow CFM / FT	65	91	117	130	143	156	169
	Throw Sill or Floor	8-12	12-17	16-22	17-24	18-25	18-26	20-29
	Throw Side Wall	10-14	16-22	18-26	20-30	22-31	24-34	25-36
3.5 .152	Flow CFM / FT	76	107	137	153	168	183	198
	Throw Sill or Floor	8-12	12-18	16-22	18-25	18-26	20-29	22-31
	Throw Side Wall	10-14	16-22	18-26	20-30	22-31	24-34	25-36
4 .176	Flow CFM / FT	88	123	158	176	193	210	228
	Throw Sill or Floor	10-13	16-22	17-24	1-29	22-31	23-32	24-35
	Throw Side Wall	12-18	18-26	20-30	24-35	26-38	29-41	30-43
5 .220	Flow CFM / FT	110	154	198	220	242	264	286
	Throw Sill or Floor	10-14	16-22	18-25	20-29	22-30	23-32	25-36
	Throw Side Wall	12-18	18-26	22-31	25-36	26-38	29-41	31-44
6 .265	Flow CFM / FT	133	186	239	265	292	318	345
	Throw Sill or Floor	10-14	16-22	18-26	20-30	22-32	24-34	25-36
	Throw Side Wall	12-18	18-26	23-32	26-37	28-40	30-43	32-46
8 .356	Flow CFM / FT	178	249	320	356	391		
	Throw Sill or Floor	12-17	16-23	18-26	22-31	23-33		
	Throw Side Wall	14-20	20-29	24-34	28-40	29-43		
10 .446	Flow CFM / FT	223	312	401	445			
	Throw Sill or Floor	12-18	18-26	22-31	25-36			
	Throw Side Wall	16-23	24-34	28-40	31-44			
12 .536	Flow CFM / FT	268	375	482				
	Throw Sill or Floor	14-20	26-37	25-36				
	Throw Side Wall	18-20	29-42	32-46				

PERFORMANCE DATA - LINEAR BAR GRILLES

MODEL LBG (1/4" BAR SPACING, 1/8" BAR WIDTH, 30° DEFLECTION)

Listed Width (in inches)	Outlet Velocity (V _k)	500	700	900	1000	1100	1200	1300
	Total Pressure (Pt)	.016	.031	.051	.062	.076	.090	.105
	Static Pressure (Ps)	.012	.024	.040	.050	.061	.072	.084
	NC	0	20	23	26	29	31	36
1.5 .062	Flow CFM / FT	36	50	65	71	79	86	94
	Throw Sill or Floor	7-11	11-16	12-17	13-19	16-22	16-23	17-24
	Throw Side Wall	10-13	13-19	16-22	17-24	18-26	20-29	20-30
2 .086	Flow CFM / FT	48	68	88	97	108	117	127
	Throw Sill or Floor	6-10	10-14	12-17	13-19	16-22	16-23	17-24
	Throw Side Wall	8-12	12-18	16-22	17-24	18-26	20-29	20-30
2.5 .110	Flow CFM / FT	63	88	114	125	139	152	164
	Throw Sill or Floor	7-11	11-16	13-19	16-22	16-23	18-25	18-26
	Throw Side Wall	10-13	13-19	17-24	19-28	20-29	22-31	24-34
3 .130	Flow CFM / FT	74	105	135	148	164	179	194
	Throw Sill or Floor	8-12	12-17	16-22	17-24	18-25	18-26	20-29
	Throw Side Wall	10-14	16-22	18-26	20-30	22-31	24-34	25-36
3.5 .152	Flow CFM / FT	87	123	156	174	193	211	228
	Throw Sill or Floor	8-12	12-18	16-22	18-25	18-26	20-29	22-31
	Throw Side Wall	10-14	16-23	19-28	22-31	24-34	25-36	26-38
4 .176	Flow CFM / FT	100	141	181	200	221	242	262
	Throw Sill or Floor	10-13	16-22	17-24	19-28	22-31	23-32	24-35
	Throw Side Wall	12-17	18-26	20-30	24-35	26-38	29-41	30-43
5 .220	Flow CFM / FT	125	177	228	251	278	304	329
	Throw Sill or Floor	10-14	16-22	18-25	20-29	22-31	23-32	25-36
	Throw Side Wall	12-17	18-26	22-31	25-36	26-38	29-41	31-44
6 .265	Flow CFM / FT	157	213	274	302	335	366	396
	Throw Sill or Floor	10-14	16-22	18-26	20-30	22-31	24-34	25-36
	Throw Side Wall	12-18	18-26	23-32	26-37	28-40	30-43	32-46
8 .356	Flow CFM / FT	202	286	367	405	449		
	Throw Sill or Floor	12-17	16-23	18-26	22-31	23-33		
	Throw Side Wall	14-20	20-29	23-32	28-40	29-43		
10 .446	Flow CFM / FT	254	358	461	507			
	Throw Sill or Floor	12-18	18-26	22-31	25-36			
	Throw Side Wall	16-23	20-29	28-40	31-44			
12 .536	Flow CFM / FT	305	431	554				
	Throw Sill or Floor	14-20	20-28	25-36				
	Throw Side Wall	18-25	29-42	32-46				

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.