



LINEAR BAR GRILLE (in) PERFORMANCE DATA [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	45	60	77	87	95	103	113
	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	78	99	111	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	159	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	199	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	179	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	483				
	Throw Sill or Floor	12-17	22-31	21-33				
	Throw Side Wall	15-21	24-35	27-38				

As part of our continuous improvement program, we reserve the right to make further improvements without notice



LINEAR BAR GRILLE (in) PERFORMANCE DATA (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	36	51	63	71	78	85	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	114	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	141	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				

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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.

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



LINEAR BAR GRILLE (metric) PERFORMANCE DATA

LM1 LINEAR GRILLES SELECTION TABLE - 1

Neck Size WxH mm x mm	Effective Area m ²	AIR VELOCITY m/s															
		1,5 m/s		2,0 m/s		2,5 m/s		3,0 m/s		4,0 m/s		5,0 m/s		6,0 m/s		7,0 m/s	
200x75	0,010	54,00	m ³ /h	72,00	m ³ /h	90,00	m ³ /h	108,00	m ³ /h	144,00	m ³ /h	180,00	m ³ /h	216,00	m ³ /h	252,00	m ³ /h
250x75	0,013	70,20	m ³ /h	93,60	m ³ /h	117,00	m ³ /h	140,40	m ³ /h	187,20	m ³ /h	234,00	m ³ /h	280,80	m ³ /h	327,60	m ³ /h
300x75	0,015	81,00	m ³ /h	108,00	m ³ /h	135,00	m ³ /h	162,00	m ³ /h	216,00	m ³ /h	270,00	m ³ /h	324,00	m ³ /h	378,00	m ³ /h
400x75	0,020	108,00	m ³ /h	144,00	m ³ /h	180,00	m ³ /h	216,00	m ³ /h	288,00	m ³ /h	360,00	m ³ /h	432,00	m ³ /h	504,00	m ³ /h
450x75	0,023	124,20	m ³ /h	165,60	m ³ /h	207,00	m ³ /h	248,40	m ³ /h	331,20	m ³ /h	414,00	m ³ /h	496,80	m ³ /h	579,60	m ³ /h
500x75	0,025	135,00	m ³ /h	180,00	m ³ /h	225,00	m ³ /h	270,00	m ³ /h	360,00	m ³ /h	450,00	m ³ /h	540,00	m ³ /h	630,00	m ³ /h
600x75	0,030	162,00	m ³ /h	216,00	m ³ /h	270,00	m ³ /h	324,00	m ³ /h	432,00	m ³ /h	540,00	m ³ /h	648,00	m ³ /h	756,00	m ³ /h
700x75	0,035	189,00	m ³ /h	252,00	m ³ /h	315,00	m ³ /h	378,00	m ³ /h	504,00	m ³ /h	630,00	m ³ /h	756,00	m ³ /h	882,00	m ³ /h
800x75	0,040	216,00	m ³ /h	288,00	m ³ /h	360,00	m ³ /h	432,00	m ³ /h	576,00	m ³ /h	720,00	m ³ /h	864,00	m ³ /h	1008,00	m ³ /h
1000x75	0,050	270,00	m ³ /h	360,00	m ³ /h	450,00	m ³ /h	540,00	m ³ /h	720,00	m ³ /h	900,00	m ³ /h	1080,00	m ³ /h	1260,00	m ³ /h
200x100	0,013	70,20	m ³ /h	93,60	m ³ /h	117,00	m ³ /h	140,40	m ³ /h	187,20	m ³ /h	234,00	m ³ /h	280,80	m ³ /h	327,60	m ³ /h
250x100	0,017	91,80	m ³ /h	122,40	m ³ /h	153,00	m ³ /h	183,60	m ³ /h	244,80	m ³ /h	306,00	m ³ /h	367,20	m ³ /h	428,40	m ³ /h
300x100	0,020	108,00	m ³ /h	144,00	m ³ /h	180,00	m ³ /h	216,00	m ³ /h	288,00	m ³ /h	360,00	m ³ /h	432,00	m ³ /h	504,00	m ³ /h
400x100	0,027	145,80	m ³ /h	194,40	m ³ /h	243,00	m ³ /h	291,60	m ³ /h	388,80	m ³ /h	486,00	m ³ /h	583,20	m ³ /h	680,40	m ³ /h
450x100	0,030	162,00	m ³ /h	216,00	m ³ /h	270,00	m ³ /h	324,00	m ³ /h	432,00	m ³ /h	540,00	m ³ /h	648,00	m ³ /h	756,00	m ³ /h
500x100	0,033	178,20	m ³ /h	237,60	m ³ /h	297,00	m ³ /h	356,40	m ³ /h	475,20	m ³ /h	594,00	m ³ /h	712,80	m ³ /h	831,60	m ³ /h
600x100	0,040	216,00	m ³ /h	288,00	m ³ /h	360,00	m ³ /h	432,00	m ³ /h	576,00	m ³ /h	720,00	m ³ /h	864,00	m ³ /h	1008,00	m ³ /h
700x100	0,047	253,80	m ³ /h	338,40	m ³ /h	423,00	m ³ /h	507,60	m ³ /h	676,80	m ³ /h	846,00	m ³ /h	1015,20	m ³ /h	1184,40	m ³ /h
800x100	0,053	286,20	m ³ /h	381,60	m ³ /h	477,00	m ³ /h	572,40	m ³ /h	763,20	m ³ /h	954,00	m ³ /h	1144,80	m ³ /h	1335,60	m ³ /h
1000x100	0,067	361,80	m ³ /h	482,40	m ³ /h	603,00	m ³ /h	723,60	m ³ /h	964,80	m ³ /h	1206,00	m ³ /h	1447,20	m ³ /h	1688,40	m ³ /h
200x150	0,020	108,00	m ³ /h	144,00	m ³ /h	180,00	m ³ /h	216,00	m ³ /h	288,00	m ³ /h	360,00	m ³ /h	432,00	m ³ /h	504,00	m ³ /h
250x150	0,025	135,00	m ³ /h	180,00	m ³ /h	225,00	m ³ /h	270,00	m ³ /h	360,00	m ³ /h	450,00	m ³ /h	540,00	m ³ /h	630,00	m ³ /h
300x150	0,030	162,00	m ³ /h	216,00	m ³ /h	270,00	m ³ /h	324,00	m ³ /h	432,00	m ³ /h	540,00	m ³ /h	648,00	m ³ /h	756,00	m ³ /h
400x150	0,040	216,00	m ³ /h	288,00	m ³ /h	360,00	m ³ /h	432,00	m ³ /h	576,00	m ³ /h	720,00	m ³ /h	864,00	m ³ /h	1008,00	m ³ /h
450x150	0,045	243,00	m ³ /h	324,00	m ³ /h	405,00	m ³ /h	486,00	m ³ /h	648,00	m ³ /h	810,00	m ³ /h	972,00	m ³ /h	1134,00	m ³ /h
500x150	0,050	270,00	m ³ /h	360,00	m ³ /h	450,00	m ³ /h	540,00	m ³ /h	720,00	m ³ /h	900,00	m ³ /h	1080,00	m ³ /h	1260,00	m ³ /h
600x150	0,060	324,00	m ³ /h	432,00	m ³ /h	540,00	m ³ /h	648,00	m ³ /h	864,00	m ³ /h	1080,00	m ³ /h	1296,00	m ³ /h	1512,00	m ³ /h
700x150	0,070	378,00	m ³ /h	504,00	m ³ /h	630,00	m ³ /h	756,00	m ³ /h	1008,00	m ³ /h	1260,00	m ³ /h	1512,00	m ³ /h	1764,00	m ³ /h
800x150	0,080	432,00	m ³ /h	576,00	m ³ /h	720,00	m ³ /h	864,00	m ³ /h	1152,00	m ³ /h	1440,00	m ³ /h	1728,00	m ³ /h	2016,00	m ³ /h
1000x150	0,100	540,00	m ³ /h	720,00	m ³ /h	900,00	m ³ /h	1080,00	m ³ /h	1440,00	m ³ /h	1800,00	m ³ /h	2160,00	m ³ /h	2520,00	m ³ /h
200x200	0,027	145,80	m ³ /h	194,40	m ³ /h	243,00	m ³ /h	291,60	m ³ /h	388,80	m ³ /h	486,00	m ³ /h	583,20	m ³ /h	680,40	m ³ /h
250x200	0,033	178,20	m ³ /h	237,60	m ³ /h	297,00	m ³ /h	356,40	m ³ /h	475,20	m ³ /h	594,00	m ³ /h	712,80	m ³ /h	831,60	m ³ /h
300x200	0,040	216,00	m ³ /h	288,00	m ³ /h	360,00	m ³ /h	432,00	m ³ /h	576,00	m ³ /h	720,00	m ³ /h	864,00	m ³ /h	1008,00	m ³ /h
400x200	0,053	286,20	m ³ /h	381,60	m ³ /h	477,00	m ³ /h	572,40	m ³ /h	763,20	m ³ /h	954,00	m ³ /h	1144,80	m ³ /h	1335,60	m ³ /h
450x200	0,060	324,00	m ³ /h	432,00	m ³ /h	540,00	m ³ /h	648,00	m ³ /h	864,00	m ³ /h	1080,00	m ³ /h	1296,00	m ³ /h	1512,00	m ³ /h
500x200	0,067	361,80	m ³ /h	482,40	m ³ /h	603,00	m ³ /h	723,60	m ³ /h	964,80	m ³ /h	1206,00	m ³ /h	1447,20	m ³ /h	1688,40	m ³ /h
600x200	0,080	432,00	m ³ /h	576,00	m ³ /h	720,00	m ³ /h	864,00	m ³ /h	1152,00	m ³ /h	1440,00	m ³ /h	1728,00	m ³ /h	2016,00	m ³ /h
700x200	0,093	502,20	m ³ /h	669,60	m ³ /h	837,00	m ³ /h	1004,40	m ³ /h	1339,20	m ³ /h	1674,00	m ³ /h	2008,80	m ³ /h	2343,60	m ³ /h
800x200	0,107	577,80	m ³ /h	770,40	m ³ /h	963,00	m ³ /h	1155,60	m ³ /h	1540,80	m ³ /h	1926,00	m ³ /h	2311,20	m ³ /h	2696,40	m ³ /h
1000x200	0,133	718,20	m ³ /h	957,60	m ³ /h	1197,00	m ³ /h	1436,40	m ³ /h	1915,20	m ³ /h	2394,00	m ³ /h	2872,80	m ³ /h	3351,60	m ³ /h
1000x250	0,167	901,80	m ³ /h	1202,40	m ³ /h	1503,00	m ³ /h	1803,60	m ³ /h	2404,80	m ³ /h	3006,00	m ³ /h	3607,20	m ³ /h	4208,40	m ³ /h
1000x300	0,200	1080,00	m ³ /h	1440,00	m ³ /h	1800,00	m ³ /h	2160,00	m ³ /h	2880,00	m ³ /h	3600,00	m ³ /h	4320,00	m ³ /h	5040,00	m ³ /h
1000x400	0,267	1441,80	m ³ /h	1922,40	m ³ /h	2403,00	m ³ /h	2883,60	m ³ /h	3844,80	m ³ /h	4806,00	m ³ /h	5767,20	m ³ /h	6728,40	m ³ /h

LM1 : Linear grille with 15° angle fixed standard blades

As part of our continuous improvement program, we reserve the right to make further improvements without notice



LINEAR BAR GRILLE (metric) PERFORMANCE DATA

LM2 - LM3 LINEAR GRILLES SELECTION TABLE - 2

Neck Size WxH mm x mm	Effective Area m ²	AIR VELOCITY m/s													
		1,5 m/s		2,0 m/s		2,5 m/s		3,0 m/s		4,0 m/s		5,0 m/s		6,0 m/s	
200x75	0,012	64,80	m ³ /h	86,40	m ³ /h	108,00	m ³ /h	129,60	m ³ /h	172,80	m ³ /h	216,00	m ³ /h	259,20	m ³ /h
250x75	0,014	75,60	m ³ /h	100,80	m ³ /h	126,00	m ³ /h	151,20	m ³ /h	201,60	m ³ /h	252,00	m ³ /h	302,40	m ³ /h
300x75	0,017	91,80	m ³ /h	122,40	m ³ /h	153,00	m ³ /h	183,60	m ³ /h	244,80	m ³ /h	306,00	m ³ /h	367,20	m ³ /h
400x75	0,023	124,20	m ³ /h	165,60	m ³ /h	207,00	m ³ /h	248,40	m ³ /h	331,20	m ³ /h	414,00	m ³ /h	496,80	m ³ /h
450x75	0,026	140,40	m ³ /h	187,20	m ³ /h	234,00	m ³ /h	280,80	m ³ /h	374,40	m ³ /h	468,00	m ³ /h	561,60	m ³ /h
500x75	0,029	156,60	m ³ /h	208,80	m ³ /h	261,00	m ³ /h	313,20	m ³ /h	417,60	m ³ /h	522,00	m ³ /h	626,40	m ³ /h
600x75	0,035	189,00	m ³ /h	252,00	m ³ /h	315,00	m ³ /h	378,00	m ³ /h	504,00	m ³ /h	630,00	m ³ /h	756,00	m ³ /h
700x75	0,040	216,00	m ³ /h	288,00	m ³ /h	360,00	m ³ /h	432,00	m ³ /h	576,00	m ³ /h	720,00	m ³ /h	864,00	m ³ /h
800x75	0,046	248,40	m ³ /h	331,20	m ³ /h	414,00	m ³ /h	496,80	m ³ /h	662,40	m ³ /h	828,00	m ³ /h	993,60	m ³ /h
1000x75	0,058	313,20	m ³ /h	417,60	m ³ /h	522,00	m ³ /h	626,40	m ³ /h	835,20	m ³ /h	1044,00	m ³ /h	1252,80	m ³ /h
200x100	0,015	81,00	m ³ /h	108,00	m ³ /h	135,00	m ³ /h	162,00	m ³ /h	216,00	m ³ /h	270,00	m ³ /h	324,00	m ³ /h
250x100	0,019	102,60	m ³ /h	136,80	m ³ /h	171,00	m ³ /h	205,20	m ³ /h	273,60	m ³ /h	342,00	m ³ /h	410,40	m ³ /h
300x100	0,023	124,20	m ³ /h	165,60	m ³ /h	207,00	m ³ /h	248,40	m ³ /h	331,20	m ³ /h	414,00	m ³ /h	496,80	m ³ /h
400x100	0,031	167,40	m ³ /h	223,20	m ³ /h	279,00	m ³ /h	334,80	m ³ /h	446,40	m ³ /h	558,00	m ³ /h	669,60	m ³ /h
450x100	0,035	189,00	m ³ /h	252,00	m ³ /h	315,00	m ³ /h	378,00	m ³ /h	504,00	m ³ /h	630,00	m ³ /h	756,00	m ³ /h
500x100	0,038	205,20	m ³ /h	273,60	m ³ /h	342,00	m ³ /h	410,40	m ³ /h	547,20	m ³ /h	684,00	m ³ /h	820,80	m ³ /h
600x100	0,046	248,40	m ³ /h	331,20	m ³ /h	414,00	m ³ /h	496,80	m ³ /h	662,40	m ³ /h	828,00	m ³ /h	993,60	m ³ /h
700x100	0,054	291,60	m ³ /h	388,80	m ³ /h	486,00	m ³ /h	583,20	m ³ /h	777,60	m ³ /h	972,00	m ³ /h	1166,40	m ³ /h
800x100	0,061	329,40	m ³ /h	439,20	m ³ /h	549,00	m ³ /h	658,80	m ³ /h	878,40	m ³ /h	1098,00	m ³ /h	1317,60	m ³ /h
1000x100	0,077	415,80	m ³ /h	554,40	m ³ /h	693,00	m ³ /h	831,60	m ³ /h	1108,80	m ³ /h	1386,00	m ³ /h	1663,20	m ³ /h
200x150	0,023	124,20	m ³ /h	165,60	m ³ /h	207,00	m ³ /h	248,40	m ³ /h	331,20	m ³ /h	414,00	m ³ /h	496,80	m ³ /h
250x150	0,029	156,60	m ³ /h	208,80	m ³ /h	261,00	m ³ /h	313,20	m ³ /h	417,60	m ³ /h	522,00	m ³ /h	626,40	m ³ /h
300x150	0,035	189,00	m ³ /h	252,00	m ³ /h	315,00	m ³ /h	378,00	m ³ /h	504,00	m ³ /h	630,00	m ³ /h	756,00	m ³ /h
400x150	0,046	248,40	m ³ /h	331,20	m ³ /h	414,00	m ³ /h	496,80	m ³ /h	662,40	m ³ /h	828,00	m ³ /h	993,60	m ³ /h
450x150	0,052	280,80	m ³ /h	374,40	m ³ /h	468,00	m ³ /h	561,60	m ³ /h	748,80	m ³ /h	936,00	m ³ /h	1123,20	m ³ /h
500x150	0,058	313,20	m ³ /h	417,60	m ³ /h	522,00	m ³ /h	626,40	m ³ /h	835,20	m ³ /h	1044,00	m ³ /h	1252,80	m ³ /h
600x150	0,069	372,60	m ³ /h	496,80	m ³ /h	621,00	m ³ /h	745,20	m ³ /h	993,60	m ³ /h	1242,00	m ³ /h	1490,40	m ³ /h
700x150	0,081	437,40	m ³ /h	583,20	m ³ /h	729,00	m ³ /h	874,80	m ³ /h	1166,40	m ³ /h	1458,00	m ³ /h	1749,60	m ³ /h
800x150	0,092	496,80	m ³ /h	662,40	m ³ /h	828,00	m ³ /h	993,60	m ³ /h	1324,80	m ³ /h	1656,00	m ³ /h	1987,20	m ³ /h
1000x150	0,115	621,00	m ³ /h	828,00	m ³ /h	1035,00	m ³ /h	1242,00	m ³ /h	1656,00	m ³ /h	2070,00	m ³ /h	2484,00	m ³ /h
200x200	0,031	167,40	m ³ /h	223,20	m ³ /h	279,00	m ³ /h	334,80	m ³ /h	446,40	m ³ /h	558,00	m ³ /h	669,60	m ³ /h
250x200	0,038	205,20	m ³ /h	273,60	m ³ /h	342,00	m ³ /h	410,40	m ³ /h	547,20	m ³ /h	684,00	m ³ /h	820,80	m ³ /h
300x200	0,046	248,40	m ³ /h	331,20	m ³ /h	414,00	m ³ /h	496,80	m ³ /h	662,40	m ³ /h	828,00	m ³ /h	993,60	m ³ /h
400x200	0,061	329,40	m ³ /h	439,20	m ³ /h	549,00	m ³ /h	658,80	m ³ /h	878,40	m ³ /h	1098,00	m ³ /h	1317,60	m ³ /h
450x200	0,069	372,60	m ³ /h	496,80	m ³ /h	621,00	m ³ /h	745,20	m ³ /h	993,60	m ³ /h	1242,00	m ³ /h	1490,40	m ³ /h
500x200	0,077	415,80	m ³ /h	554,40	m ³ /h	693,00	m ³ /h	831,60	m ³ /h	1108,80	m ³ /h	1386,00	m ³ /h	1663,20	m ³ /h
600x200	0,092	496,80	m ³ /h	662,40	m ³ /h	828,00	m ³ /h	993,60	m ³ /h	1324,80	m ³ /h	1656,00	m ³ /h	1987,20	m ³ /h
700x200	0,107	577,80	m ³ /h	770,40	m ³ /h	963,00	m ³ /h	1155,60	m ³ /h	1540,80	m ³ /h	1926,00	m ³ /h	2311,20	m ³ /h
800x200	0,123	664,20	m ³ /h	885,60	m ³ /h	1107,00	m ³ /h	1328,40	m ³ /h	1771,20	m ³ /h	2214,00	m ³ /h	2656,80	m ³ /h
1000x200	0,153	826,20	m ³ /h	1101,60	m ³ /h	1377,00	m ³ /h	1652,40	m ³ /h	2203,20	m ³ /h	2754,00	m ³ /h	3304,80	m ³ /h
1000x250	0,192	1036,80	m ³ /h	1382,40	m ³ /h	1728,00	m ³ /h	2073,60	m ³ /h	2764,80	m ³ /h	3456,00	m ³ /h	4147,20	m ³ /h
1000x300	0,230	1242,00	m ³ /h	1656,00	m ³ /h	2070,00	m ³ /h	2484,00	m ³ /h	3312,00	m ³ /h	4140,00	m ³ /h	4968,00	m ³ /h
1000x400	0,307	1657,80	m ³ /h	2210,40	m ³ /h	2763,00	m ³ /h	3315,60	m ³ /h	4420,80	m ³ /h	5526,00	m ³ /h	6631,20	m ³ /h

LM2 : Linear grille with 15° angle fixed slim type blades, LM3 : Linear grille with 35° angle fixed type blades

As part of our continuous improvement program, we reserve the right to make further improvements without notice



LINEAR BAR GRILLE (metric) PERFORMANCE DATA

LM1 Effective Area Ak(m2)

H / W	200	250	300	400	450	500	600	700	800	1000	1200	1500
75	0,010	0,013	0,015	0,020	0,023	0,025	0,030	0,035	0,040	0,050	0,060	0,075
100	0,013	0,017	0,020	0,027	0,030	0,033	0,040	0,047	0,053	0,067	0,080	0,100
150	0,020	0,025	0,030	0,040	0,045	0,050	0,060	0,070	0,080	0,100	0,120	0,150
200	0,027	0,033	0,040	0,053	0,060	0,067	0,080	0,093	0,107	0,133	0,160	0,200
250	0,033	0,042	0,050	0,067	0,075	0,083	0,100	0,117	0,133	0,167	0,200	0,250
300	0,040	0,050	0,060	0,080	0,090	0,100	0,120	0,140	0,160	0,200	0,240	0,300
400	0,053	0,067	0,080	0,107	0,120	0,133	0,160	0,187	0,213	0,267	0,320	0,400
450	0,060	0,075	0,090	0,120	0,135	0,150	0,180	0,210	0,240	0,300	0,360	0,450
500	0,067	0,083	0,100	0,133	0,150	0,167	0,200	0,233	0,267	0,333	0,400	0,500
600	0,080	0,100	0,120	0,160	0,180	0,200	0,240	0,280	0,320	0,400	0,480	0,600

Table-1

LM2 Effective Area Ak(m2)

H / W	200	250	300	400	450	500	600	700	800	1000	1200	1500
75	0,012	0,014	0,017	0,023	0,026	0,029	0,035	0,040	0,046	0,058	0,069	0,086
100	0,015	0,019	0,023	0,031	0,035	0,038	0,046	0,054	0,061	0,077	0,092	0,115
150	0,023	0,029	0,035	0,046	0,052	0,058	0,069	0,081	0,092	0,115	0,138	0,173
200	0,031	0,038	0,046	0,061	0,069	0,077	0,092	0,107	0,123	0,153	0,184	0,230
250	0,038	0,048	0,058	0,077	0,086	0,096	0,115	0,134	0,153	0,192	0,230	0,288
300	0,046	0,058	0,069	0,092	0,104	0,115	0,138	0,161	0,184	0,230	0,276	0,345
400	0,061	0,077	0,092	0,123	0,138	0,153	0,184	0,215	0,245	0,307	0,368	0,460
450	0,069	0,086	0,104	0,138	0,155	0,173	0,207	0,242	0,276	0,345	0,414	0,518
500	0,077	0,096	0,115	0,153	0,173	0,192	0,230	0,268	0,307	0,383	0,460	0,575
600	0,092	0,115	0,138	0,184	0,207	0,230	0,276	0,322	0,368	0,460	0,552	0,690

Table-2

LM3 Effectif Area Ak(m2)

H / W	200	250	300	400	450	500	600	700	800	1000	1200	1500
75	0,010	0,013	0,015	0,020	0,023	0,025	0,030	0,035	0,040	0,050	0,060	0,075
100	0,013	0,017	0,020	0,027	0,030	0,033	0,040	0,047	0,053	0,067	0,080	0,100
150	0,020	0,025	0,030	0,040	0,045	0,050	0,060	0,070	0,080	0,100	0,120	0,150
200	0,027	0,033	0,040	0,053	0,060	0,067	0,080	0,093	0,107	0,133	0,160	0,200
250	0,033	0,042	0,050	0,067	0,075	0,083	0,100	0,117	0,133	0,167	0,200	0,250
300	0,040	0,050	0,060	0,080	0,090	0,100	0,120	0,140	0,160	0,200	0,240	0,300
400	0,053	0,067	0,080	0,107	0,120	0,133	0,160	0,187	0,213	0,267	0,320	0,400
450	0,060	0,075	0,090	0,120	0,135	0,150	0,180	0,210	0,240	0,300	0,360	0,450
500	0,067	0,083	0,100	0,133	0,150	0,167	0,200	0,233	0,267	0,333	0,400	0,500
600	0,080	0,100	0,120	0,160	0,180	0,200	0,240	0,280	0,320	0,400	0,480	0,600

Table-3

As part of our continuous improvement program, we reserve the right to make further improvements without notice

LINEAR BAR GRILLE (metric) PERFORMANCE DATA

SUPPLY LM1 SELECTION DIAGRAM

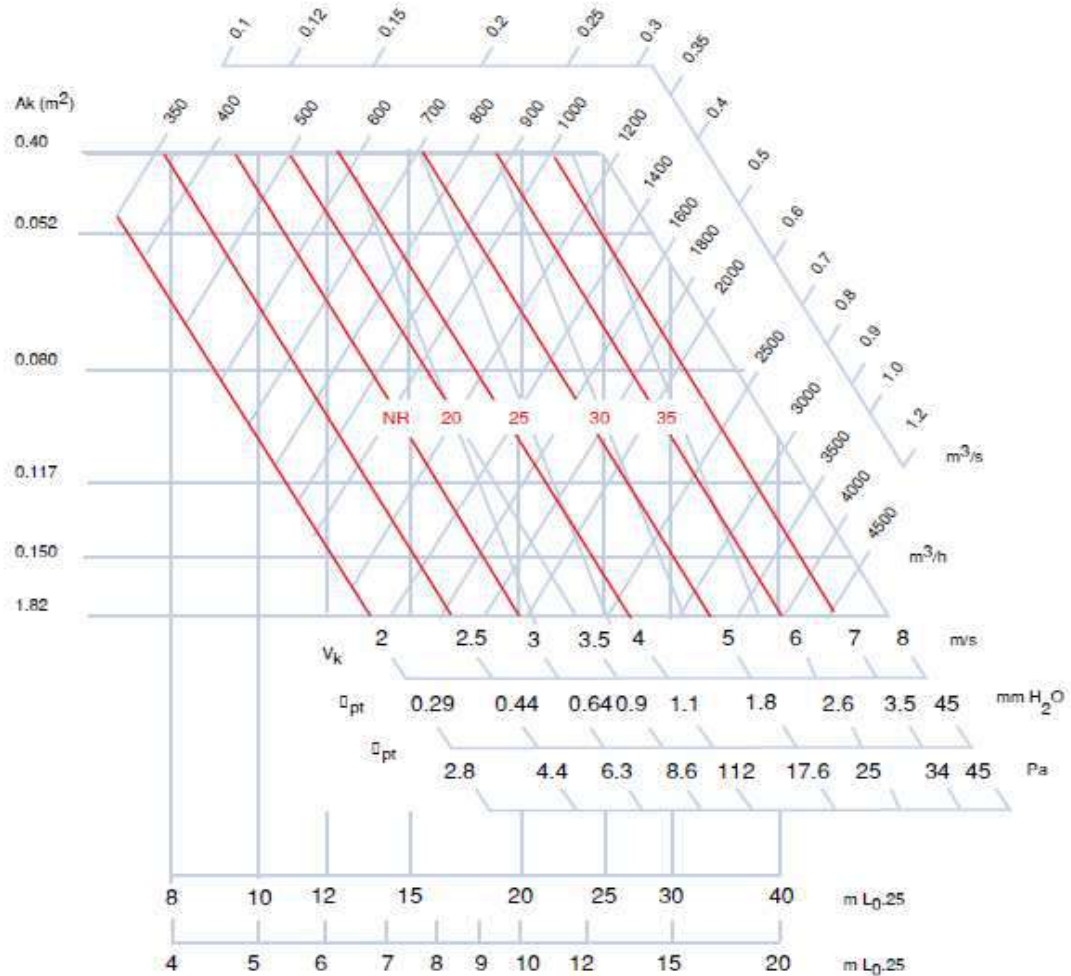
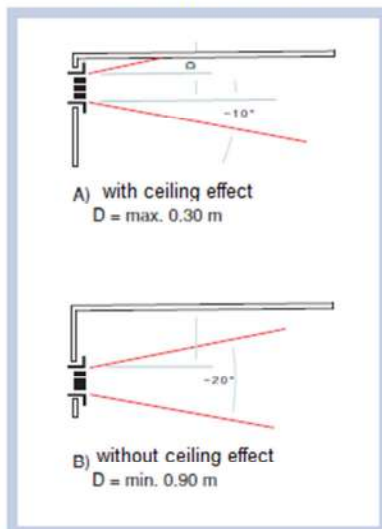


Diagram-1

CEILING EFFECT



Vt(m/s) Correction Table

Table-4

Vt (m/s)	0.25	0.375	0.5	0.825
Lt	A	x 1	x 0.67	x 0.5
	B	x 0.7	x 0.47	x 0.35

Volume and Pressure Loss Table

Table-5

Damper Position	100 % açık	50 % açık	25 % açık
Pt X 1.00	Pt X 1.00	Pt X 2.25	Pt X 5.90
LW + 0	LW + 0	LW +10	LW +20

Grille Length for Correction Table

Table-6

B (m)	1	1.5	2	2.5	3	4	5	6	8	10
Lt (m)	X 1	X 10.5	X 1.1					X 1.15		
LW (NR)	0	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8	+ 9	+10

LINEAR BAR GRILLE (metric) PERFORMANCE DATA

RETURN LM1 SELECTION DIAGRAM

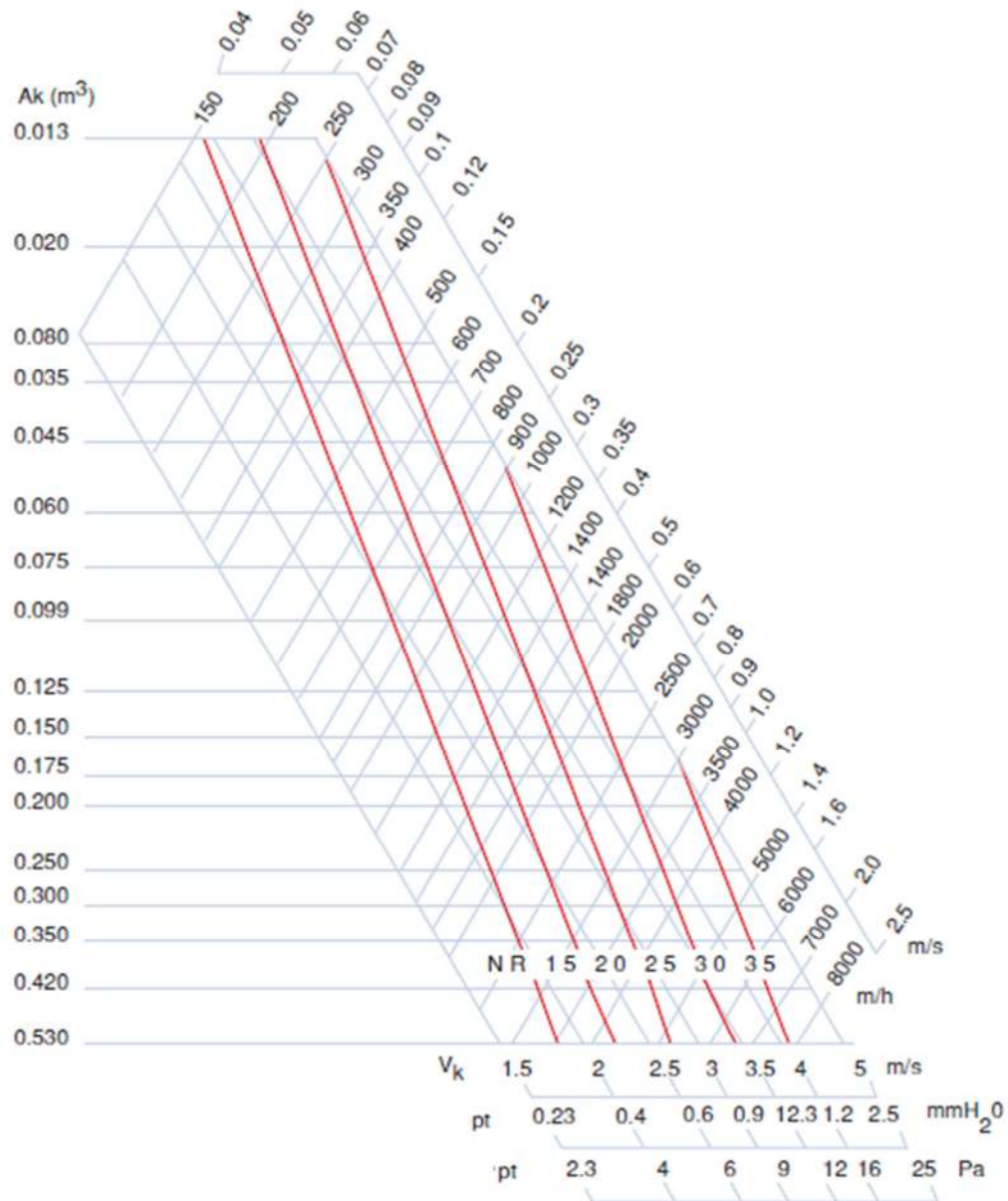


Diagram-2

Volume and Pressure Loss Table

Damper Position	100 % açık	50 % açık	25 % açık
Pt X 1.00	Pt X 1.00	Pt X 2.25	Pt X 5.90
LW + 0	LW + 0	LW +10	LW +20

Table -7

LINEAR BAR GRILLE (metric) PERFORMANCE DATA

SUPPLY LM2 SELECTION DIAGRAM

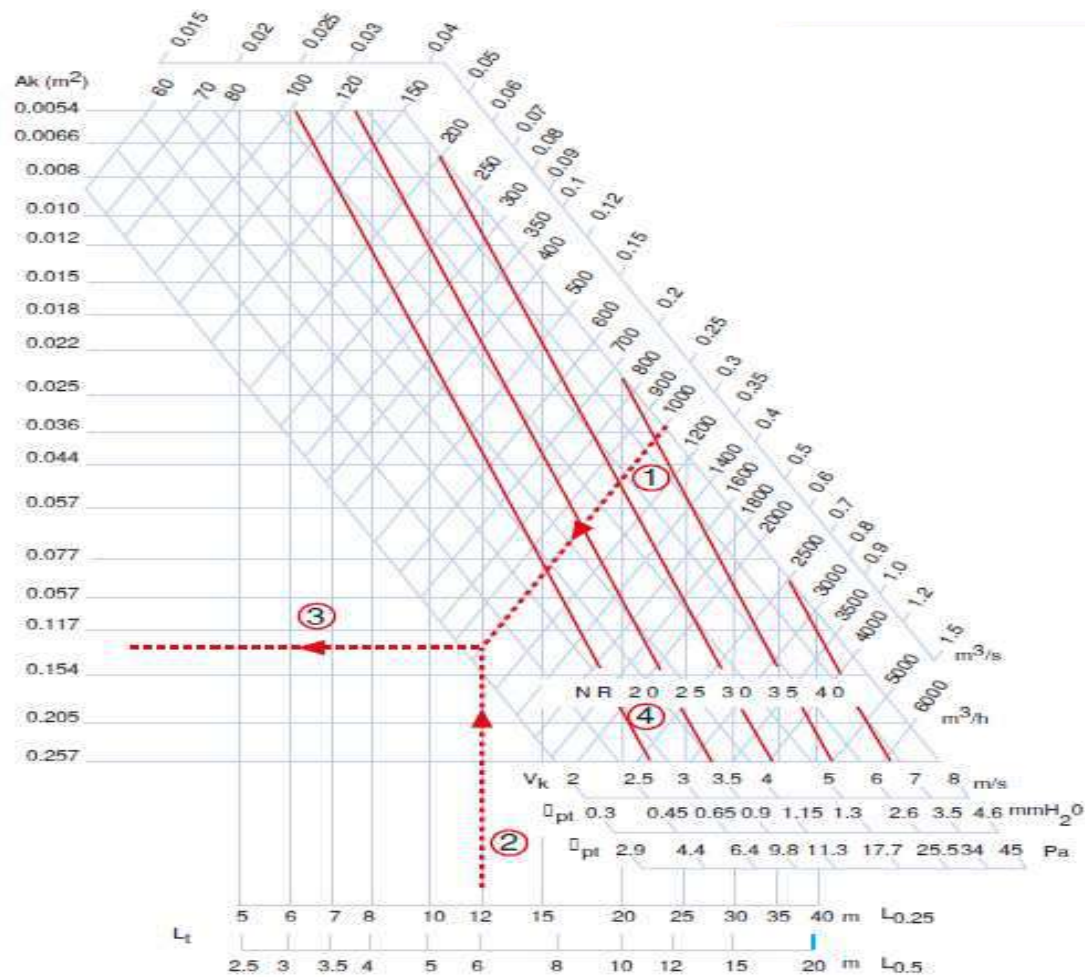
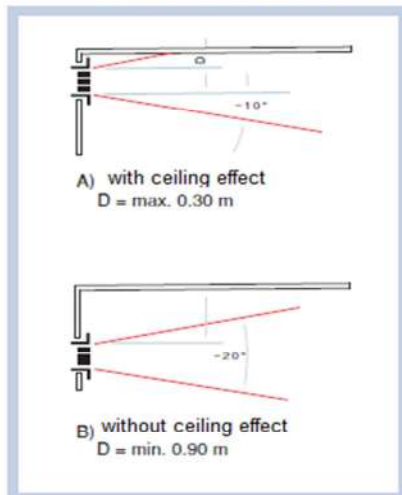


Diagram-3

CEILING EFFECT



Vt(m/s) Correction Table

Vt (m/s)		0.25	0.375	0.5	0.825
L _t	A	x 1	x 0.67	x 0.5	x 0.4
	B	x0.7	x0.47	x 0.35	x0.28

Volume and Pressure Loss Table

Damper Position	100 % açık	50 % açık	25 % açık
Pt X 1.00	Pt X 1.00	Pt X 2.25	Pt X5.90
LW + 0	LW + 0	LW +10	LW +20

Grille Length for Correction Table

B (m)	1	1.5	2	2.5	3	4	5	6	8	10
L _t (m)	X 1	X 10.5	X 1.1				X 1.15			
Lw (NR)	0	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8	+ 9	+10

LINEAR BAR GRILLE (metric) PERFORMANCE DATA

RETURN LM2 SELECTION DIAGRAM

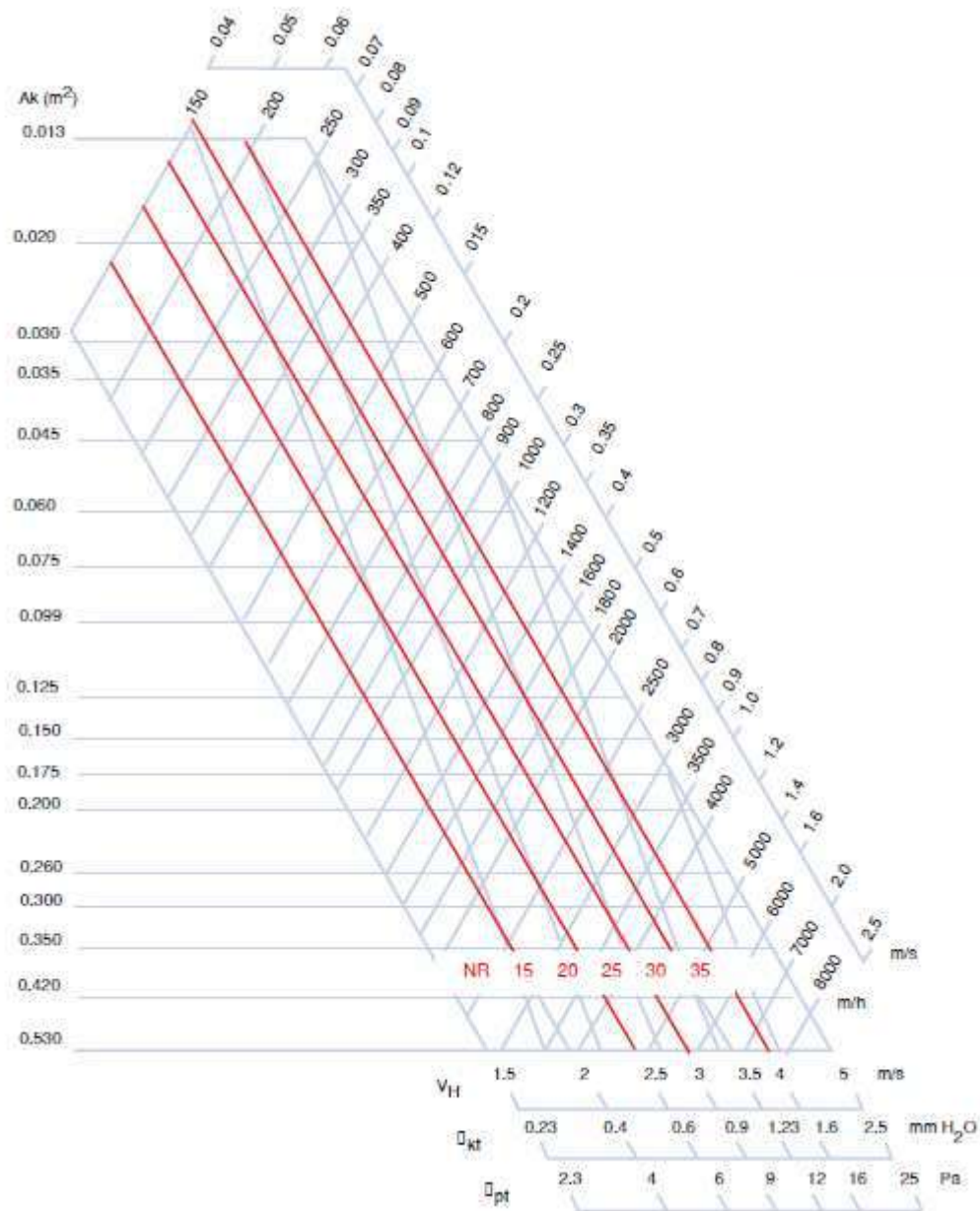


Diagram-4

Volume and Pressure Loss Table

Damper Pozition	100 % açık	50 % açık	25 % açık
Pt X 1.00	Pt X 1.00	Pt X 2.25	Pt X 5.90
LW + 0	LW + 0	LW + 10	LW + 20

Table-11

LINEAR BAR GRILLE (metric) PERFORMANCE DATA

SUPPLY LM3 SELECTION DIAGRAM

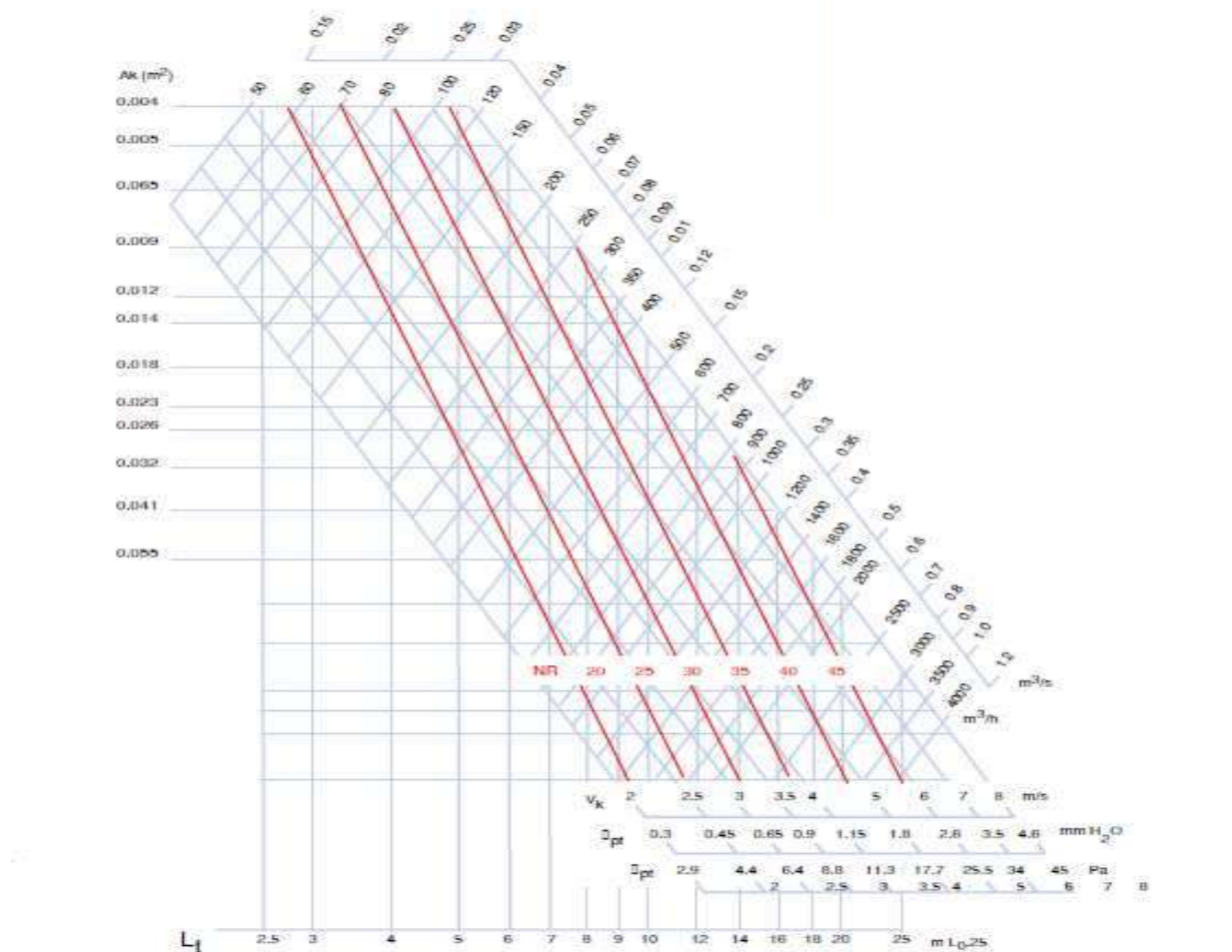
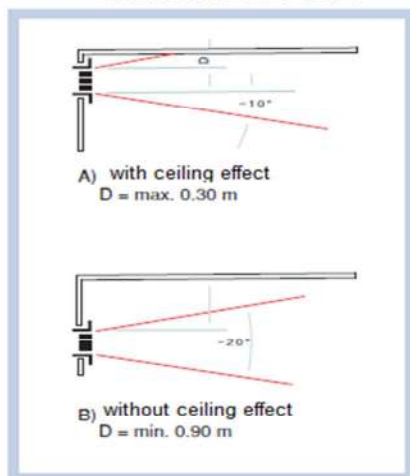


Diagram-5

CEILING EFFECT



Vt(m/s) Correction Table

Table-12	Vt (m/s)	0.25	0.375	0.5	0.825
	Lt	A	x 1	x 0.67	x 0.5
	B	x0.7	x0.47	x 0.35	x0.28

Volume and Pressure Loss Table

Table-13	Damper Position			
	100 % açık	50 % açık	25 % açık	
	Pt X 1.00	Pt X 1.00	Pt X 2.25	Pt X5.90
	LW + 0	LW + 0	LW +10	LW +20

Grille Length for Correction Table

Table-14	B (m)									
	1	1.5	2	2.5	3	4	5	6	8	10
	Lt (m)	X 1	X 10.5	X 1.1				X 1.15		
	Lw (NR)	0	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8	+ 9

LINEAR BAR GRILLE (metric) PERFORMANCE DATA

RETURN LM3 SELECTION DIAGRAM

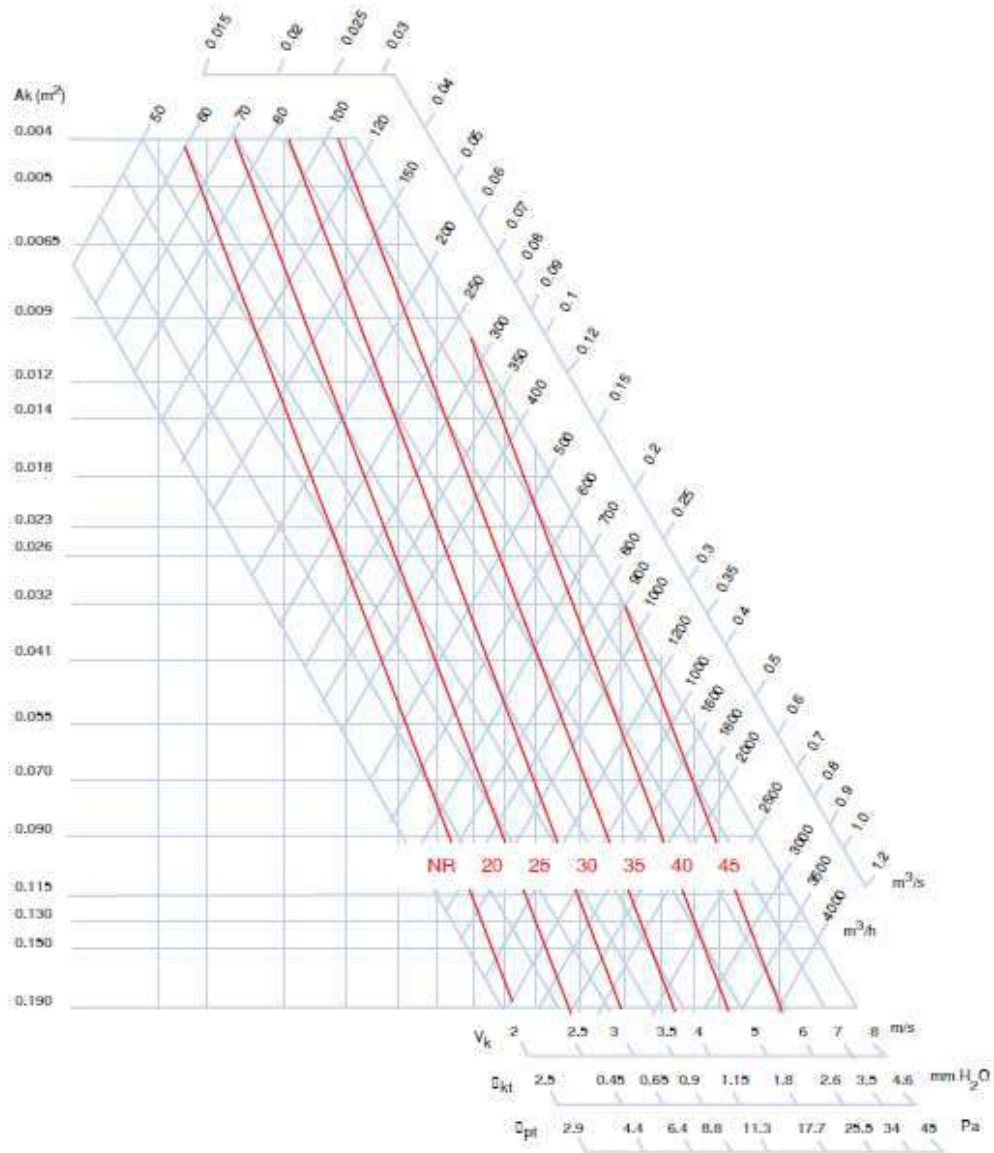


Diagram-6

Volume and Pressure Loss Table

Damper Pozition	100 % açık	50 % açık	25 % açık
Pt X 1.00	Pt X 1.00	Pt X 2.25	Pt X 5.90
LW + 0	LW + 0	LW +10	LW +20

Table-15

LINEAR BAR GRILLE (metric) PERFORMANCE DATA

Sample Grille Selection:

LM2 Blade, $Q_v = 1000 \text{ m}^3/\text{h}$, Room Length: 6 m, $V_t : 0,5\text{m/s}$

Result :

Table 9 for $L_t 0,5 = 12\text{m}$, Diagram 3 for ; $A_k : 0,123\text{m}^2$ (3) , $V_k: 2,4 \text{ m/s}$ (4) Selection

LM1 , LM2, LM3 AIR FALL SELECTION DIAGRAM

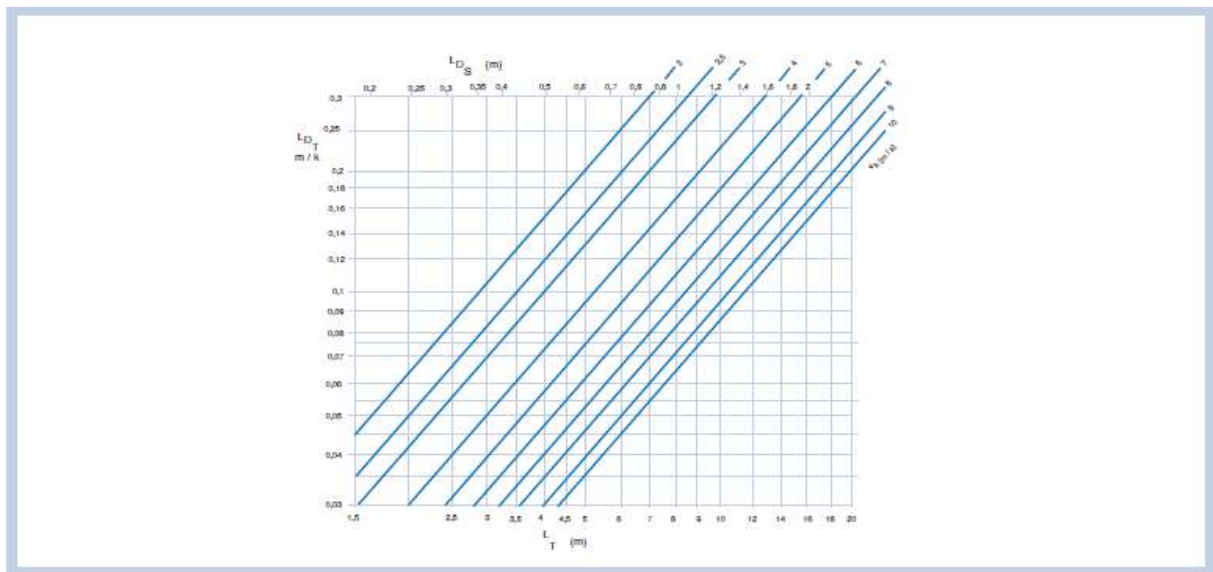
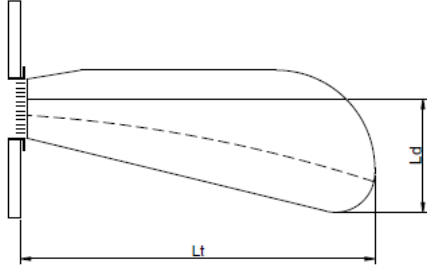


Diagram-7

LINEAR BAR GRILLE (metric) PERFORMANCE DATA

AIR FALL



Description :

The total air drop is the vertical distance between the air drop center and the lowest point to the air drop V_t (m / s). Total air loss consists of two components.

$$L_d = L_{ds} + L_{dt}$$

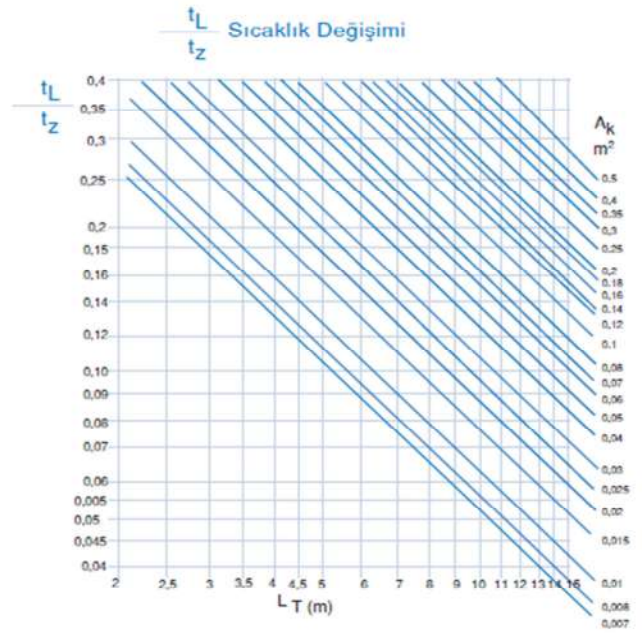
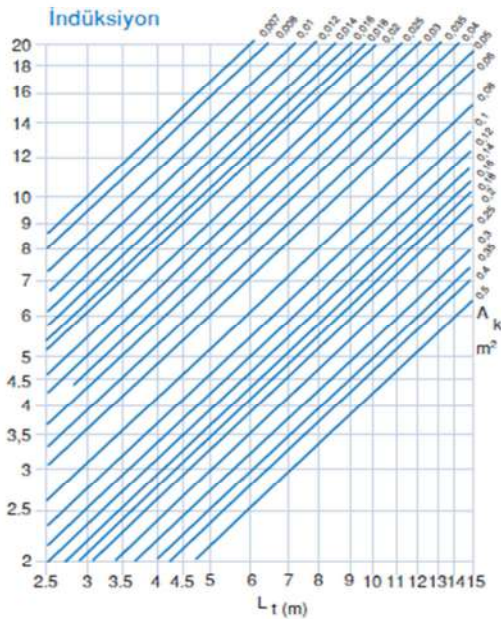


Diagram-8

T_L / T_z : Temperature Change

T_L (K) : Maximum temperature difference between room temperature and air temperature

T_z (K) : Maximum temperature difference between room temperature and distributor air temperature

I : induction