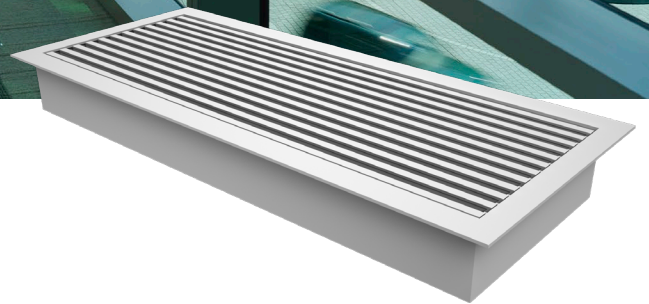


LFG

LINEAR FLOOR GRILLES

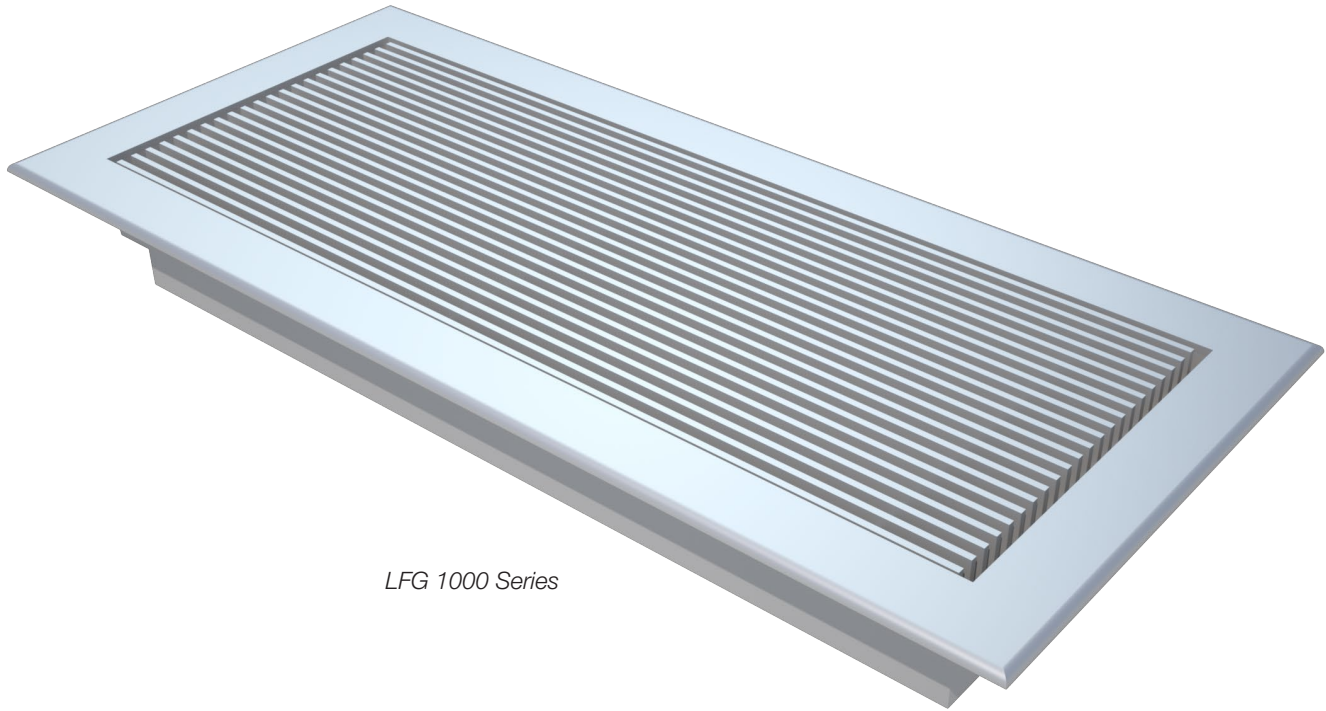


LFG

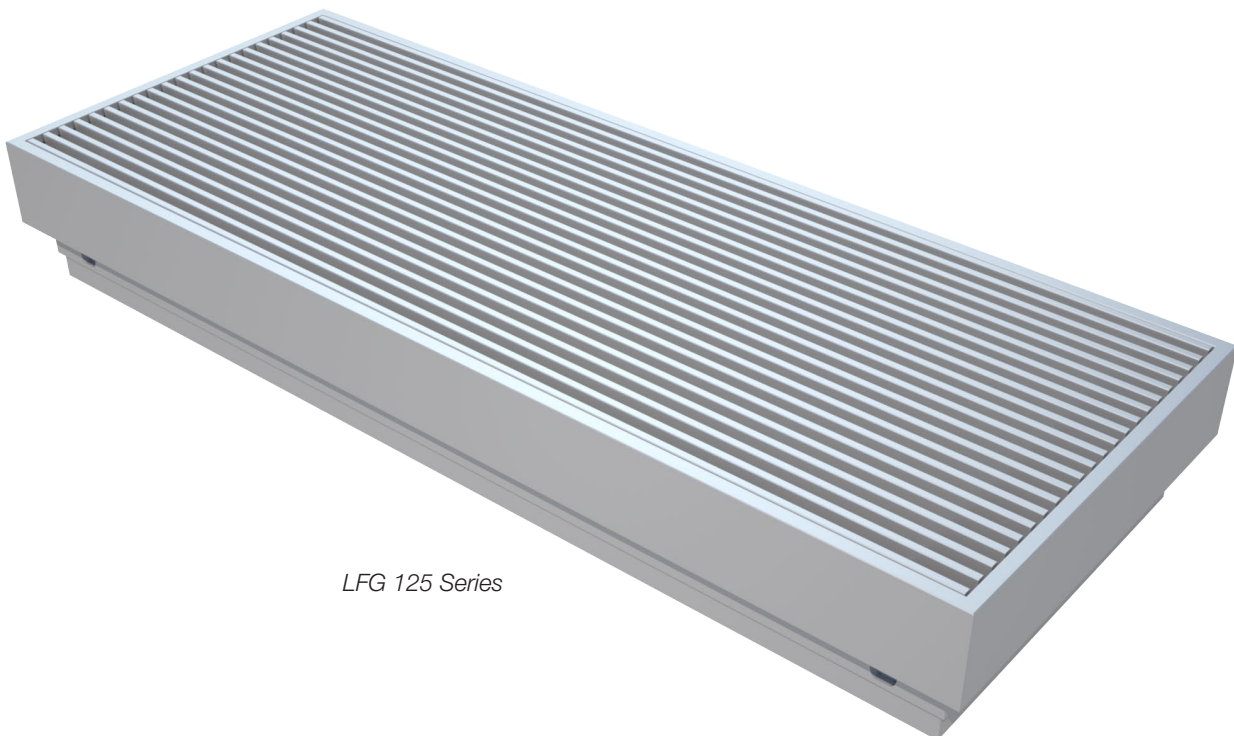
Linear Floor Grilles

The Linear Floor Grille (LFG) series consists of strong, durable floor grilles that are specifically designed for underfloor applications. These grilles can be used in conjunction with various Price underfloor plenums and terminal units. The LFG series has been designed as efficient air supply product for use in air distribution systems utilizing raised floor and trench designs.

A number of different accessories and mounting options are available to suit a wide range of applications.



LFG 1000 Series



LFG 125 Series

DESIGNED FOR FLOOR INSTALLATION

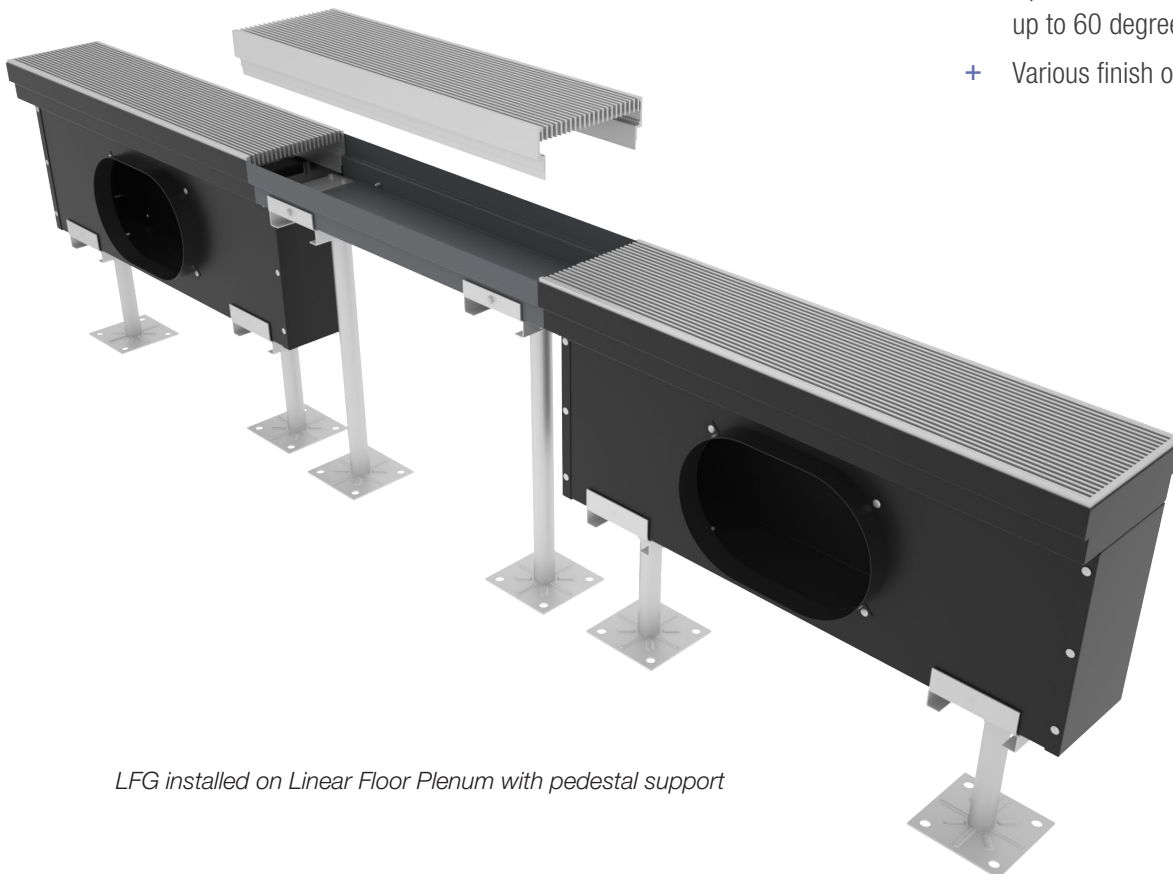
- + Options include various border styles, core configurations and constructions, fastening methods, and directional vanes.
- + The LFG is used in combination with various floor plenum configurations including:
 - Ducted fan supply (LFP)
 - Damper for VAV control of underfloor plenum air (LPT-VC)
 - Changeover plenum combining ducted and VAV plenums (LPT-HC)
 - Recirculating natural convection floor terminals (LNT)

TYPICAL APPLICATIONS

LFG's handle regular foot traffic and do not intrude on wall space. This makes them well suited for offices, lobbies, schools and universities with raised floor or trench systems along the perimeter. Plenum options allow for ducted, cooling, and heating applications.

FEATURES

- + Pressed and mandrel cores
- + Choice of deflection angle and blade spacing
- + Pencil and heel-proof spacing available
- + Spring clip and counter-sunk screw fastening types
- + Optional directional vanes (DV1) providing up to 60 degree deflection
- + Various finish options

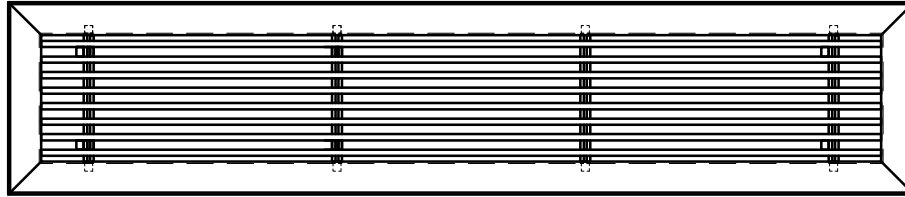


LFG installed on Linear Floor Plenum with pedestal support

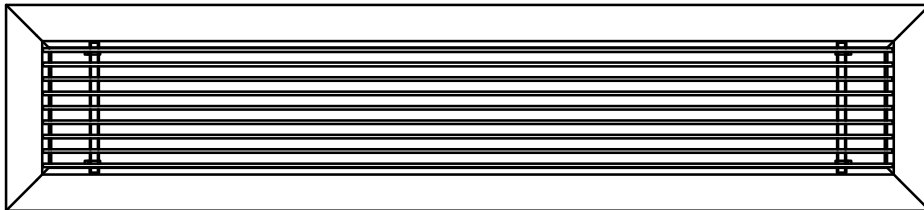
DIMENSIONAL DATA

LFG is available in multiple size options, reference submittal package for sizes and core styles.

Pressed Core

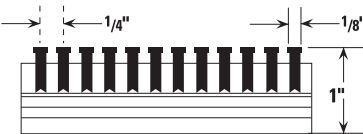


Mandrel Core

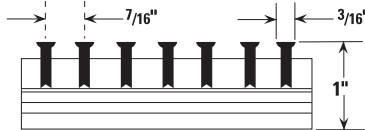


Available Cores

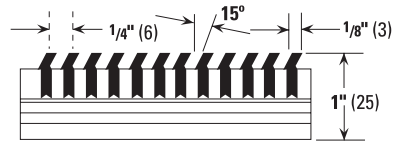
Narrow Bar Spacing
Core 15A 0° Deflection



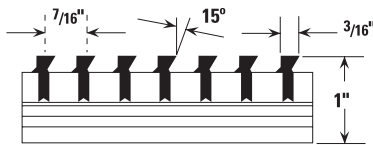
Pencil Proof Bar Spacing
Core 25C 0° Deflection



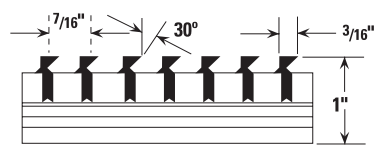
Core 16A 15° Deflection



Core 26C 15° Deflection



Core 27C 30° Deflection



PERFORMANCE DATA

Pressed Core Style - 15A

Size	Static Pressure	.001	.024	.044	.069	.098	.133	.175	.222
1½ in.	Flow cfm / ft NC	12 —	19 —	25 —	31 19	37 24	43 28	50 32	56 35
	Throw ft	2-4-6	4-7-10	6-9-13	7-11-16	8-13-19	9-15-21	10-16-23	12-18-25
2 in.	Flow cfm / ft NC	19 —	28 —	37 —	47 18	56 23	66 28	75 31	84 35
	Throw ft	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-27	15-22-29
2½ in.	Flow cfm / ft NC	26 —	39 —	52 —	65 19	78 24	91 29	104 33	117 36
	Throw ft	4-6-8	6-9-12	8-12-16	10-15-20	13-18-24	15-21-27	16-22-30	20-27-34
3 in.	Flow cfm / ft NC	33 —	50 —	66 —	83 20	100 25	116 30	133 34	149 37
	Throw ft	4-6-9	7-10-14	9-13-18	12-17-22	15-20-25	18-23-29	20-26-33	23-30-37
3½ in.	Flow cfm / ft NC	41 —	61 —	82 —	102 21	122 26	143 31	163 35	184 38
	Throw ft	5-7-10	8-11-15	10-15-20	15-19-24	17-22-27	20-25-31	22-28-35	25-32-39
4 in.	Flow cfm / ft NC	49 —	73 —	98 16	122 22	146 28	171 32	195 36	220 39
	Throw ft	6-8-11	9-12-16	12-16-20	15-20-25	19-24-29	21-26-32	24-30-36	26-33-40
5 in.	Flow cfm / ft NC	63 —	94 —	125 16	157 22	188 27	220 32	251 36	282 39
	Throw ft	7-9-12	11-14-18	14-18-22	17-21-26	21-26-31	24-29-35	27-33-39	30-36-43
6 in.	Flow cfm / ft NC	78 —	116 —	155 18	194 24	233 29	272 34	310 37	349 41
	Throw ft	8-10-13	12-15-19	15-19-23	20-24-28	23-27-32	26-31-37	29-34-40	33-39-45

Pressed Core Style - 16A

Size	Static Pressure	.013	.027	.050	.079	.111	.151	.199	.252
1½ in.	Flow cfm / ft NC	14 —	20 —	27 22	34 29	41 34	48 38	54 42	6 45
	Throw ft	2-4-6	4-7-10	6-10-14	7-12-17	9-14-20	10-16-22	12-18-25	13-20-27
2 in.	Flow cfm / ft NC	20 —	29 —	39 20	49 26	59 31	69 36	78 40	88 43
	Throw ft	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-27	15-22-30
2½ in.	Flow cfm / ft NC	26 —	39 —	52 20	65 26	78 31	91 36	104 40	117 43
	Throw ft	4-6-8	6-9-12	8-12-16	10-15-20	13-19-24	14-20-26	17-23-30	19-26-33
3 in.	Flow cfm / ft NC	33 —	49 —	66 20	82 26	98 31	115 36	131 40	148 43
	Throw ft	4-6-9	7-10-13	9-13-17	12-16-21	15-20-25	17-22-28	20-26-32	21-28-35
3½ in.	Flow cfm / ft NC	40 —	59 —	79 20	99 27	119 32	138 36	158 40	178 43
	Throw ft	5-7-9	8-11-14	11-15-19	13-17-22	16-21-26	19-24-30	22-28-34	23-30-37
4 in.	Flow cfm / ft NC	47 —	70 —	94 21	117 27	140 33	164 37	187 41	220 44
	Throw ft	5-7-10	9-12-15	12-16-20	15-19-24	19-23-28	21-26-32	23-29-35	25-32-39
5 in.	Flow cfm / ft NC	61 —	91 —	121 22	152 28	182 33	212 38	243 42	274 45
	Throw ft	7-9-12	10-13-17	14-18-22	16-21-26	20-25-30	23-28-34	25-31-37	28-34-41
6 in.	Flow cfm / ft NC	74 —	111 —	149 22	186 29	223 34	260 39	298 42	335 46
	Throw ft	8-10-13	11-14-18	15-19-23	19-23-27	23-27-31	25-30-35	28-33-39	31-37-43

PERFORMANCE DATA

Pressed Core Style - 25C

Size	Static Pressure	.010	.022	.040	.063	.089	.121	.159	.202
1½ in.	Flow cfm / ft NC	10 —	16 —	21 —	26 19	31 24	36 29	42 33	47 36
	Throw ft	2-4-6	4-7-10	5-9-13	7-12-17	8-13-19	10-16-22	11-17-24	12-19-26
2 in.	Flow cfm / ft NC	18 —	27 —	36 —	45 18	54 23	63 28	72 32	81 35
	Throw ft	3-5-7	5-9-12	7-11-16	9-14-20	10-16-23	13-19-26	14-21-28	15-22-30
2½ in.	Flow cfm / ft NC	26 —	40 —	53 —	66 20	79 25	92 30	106 34	119 37
	Throw ft	4-6-8	6-9-12	8-12-17	11-16-22	13-19-25	15-21-28	18-25-32	21-28-36
3 in.	Flow cfm / ft NC	35 —	53 —	70 —	88 21	106 26	123 31	141 35	158 38
	Throw ft	5-7-10	7-11-15	10-14-19	12-17-23	15-21-27	18-24-31	20-27-34	24-31-39
3½ in.	Flow cfm / ft NC	44 —	66 —	88 16	110 22	132 27	154 32	176 36	198 39
	Throw ft	5-7-10	9-12-16	12-16-20	15-20-25	18-23-28	20-26-32	23-29-36	25-32-40
4 in.	Flow cfm / ft NC	53 —	80 —	106 17	133 23	160 28	186 33	213 37	239 40
	Throw ft	6-8-11	10-13-17	13-17-21	16-21-26	20-25-30	22-28-34	24-30-37	28-35-42
5 in.	Flow cfm / ft NC	71 —	106 —	142 18	177 24	212 29	248 34	283 38	318 41
	Throw ft	8-10-13	11-14-18	15-19-23	18-22-27	22-27-32	25-31-37	27-33-40	30-37-44
6 in.	Flow cfm / ft NC	89 —	133 —	178 19	222 25	266 30	310 35	355 39	400 42
	Throw ft	9-11-14	13-16-20	16-20-24	20-24-29	24-29-34	28-33-39	30-35-41	34-40-46

Pressed Core Style - 26C

Size	Static Pressure	.012	.026	.048	.076	.107	.145	.191	.242
1½ in.	Flow cfm / ft NC	12 —	19 16	25 24	31 31	37 36	43 241	50 45	56 48
	Throw ft	2-4-6	4-7-10	6-10-14	7-12-17	9-14-20	10-16-23	12-18-25	13-20-27
2 in.	Flow cfm / ft NC	19 —	29 —	38 19	48 26	58 31	67 36	77 40	86 43
	Throw ft	3-5-7	5-8-12	7-11-16	9-14-20	11-17-24	13-19-26	15-22-29	16-23-31
2½ in.	Flow cfm / ft NC	27 —	40 —	54 19	67 26	80 31	94 36	107 40	120 43
	Throw ft	4-6-8	6-9-13	9-13-17	11-16-21	14-19-25	15-21-27	17-24-31	20-27-35
3 in.	Flow cfm / ft NC	34 —	52 —	69 19	86 26	103 31	120 36	138 40	155 43
	Throw ft	4-6-9	8-11-15	10-14-19	13-18-23	16-21-27	18-24-31	21-28-35	23-30-38
3½ in.	Flow cfm / ft NC	42 —	63 —	84 20	105 27	126 32	147 37	168 41	189 44
	Throw ft	6-8-11	9-12-16	12-16-21	14-19-24	18-23-29	21-27-33	23-29-36	25-32-40
4 in.	Flow cfm / ft NC	51 —	76 —	102 21	127 28	152 33	178 38	203 42	228 45
	Throw ft	6-9-12	10-13-17	13-17-22	15-20-25	19-24-30	22-28-34	25-31-38	28-36-42
5 in.	Flow cfm / ft NC	67 —	100 —	134 21	167 28	200 33	234 38	267 42	301 45
	Throw ft	8-11-14	11-15-19	15-9-24	19-23-28	21-26-32	24-30-36	26-32-39	29-36-43
6 in.	Flow cfm / ft NC	84 —	126 —	168 23	210 30	252 35	294 40	336 44	378 47
	Throw ft	9-12-15	14-17-21	17-21-25	20-24-29	24-29-34	27-32-38	29-35-41	32-38-44

PERFORMANCE DATA

Pressed Core Style - 27C

Size	Static Pressure	0.012	0.026	0.048	0.076	0.107	0.145	0.191	0.242
1½ in.	Flow cfm / ft NC	13 —	19 16	26 24	32 31	38 36	45 41	51 45	58 48
	Throw ft	2-4-6	4-7-10	6-9-13	7-11-16	8-13-19	9-15-21	10-16-23	12-18-25
2 in.	Flow cfm / ft NC	19 —	29 —	38 20	48 26	58 31	67 36	77 40	86 43
	Throw ft	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-27	15-22-30
2½ in.	Flow cfm / ft NC	26 —	39 —	52 20	65 26	77 31	91 36	104 40	117 43
	Throw ft	4-6-8	6-9-12	8-12-16	10-15-20	13-19-24	14-20-26	17-23-30	19-26-33
3 in.	Flow cfm / ft NC	33 —	50 —	66 20	83 26	100 31	116 36	133 40	149 43
	Throw ft	4-6-9	7-10-13	9-13-17	12-16-21	15-20-25	17-22-28	20-26-32	21-28-35
3½ in.	Flow cfm / ft NC	40 —	60 —	80 20	100 27	120 32	140 36	160 40	180 43
	Throw ft	5-7-9	8-11-14	11-15-19	13-17-22	16-21-26	19-24-30	22-28-34	23-30-37
4 in.	Flow cfm / ft NC	49 —	73 —	97 21	122 27	146 33	171 37	195 41	219 44
	Throw ft	6-8-11	9-12-16	12-16-20	15-20-25	19-24-29	21-26-32	24-30-36	26-33-40
5 in.	Flow cfm / ft NC	63 —	95 —	126 22	158 28	190 33	221 38	253 42	284 45
	Throw ft	7-9-12	11-14-19	14-18-22	17-21-26	21-26-31	24-29-35	27-33-39	30-36-43
6 in.	Flow cfm / ft NC	76 —	114 —	152 22	190 29	228 34	266 39	304 42	342 46
	Throw ft	8-10-13	12-15-18	15-19-23	20-24-28	23-27-32	26-31-37	29-34-40	33-39-45

Performance Notes

Tested in accordance with ASHRAE Standard 70-2006 (RA 2011)

"Method of Testing for Rating the Performance of Air Outlets and Inlets."

1. Pressure

All pressures are in in. w.g.

2. Throw

Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).

These throw values are based on a 4 ft active section of grille with a cooling temperature differential of 20 °F.

The multiplier factors listed in the table below are applicable for other lengths.

Throw Correction for Length (Multiply)

Active Length	Terminal Velocity		
	150 fpm	100 fpm	50 fpm
1 ft	0.5	0.6	0.7
10 ft or Continuous	1.6	1.4	1.2

3. Sound

The NC values are based on a room absorption of 10 dB, re 10-12 watts and a 10 ft active section.

The NC correction values for other lengths are listed in the table below.

4. Blank (—) spaces indicate an NC level below 15

NC Correction for Length

Active Length, ft	1	2	4	6	8	10	15	20	25	30
Correction	-10	-7	-4	-2	-1	0	+2	+3	+4	+5

PERFORMANCE DATA

Mandrel Core Style - 15A

Size	Static Pressure	.011	.024	.044	.069	.098	.133	.175	.222	.275
1½ in.	Flow cfm / ft	11	15	21	27	32	38	43	48	54
	NC	—	—	—	17	21	26	30	33	36
	Throw ft	2-4-6	4-7-10	6-9-13	7-11-16	8-13-19	9-15-21	10-16-23	12-18-25	13-20-28
2 in.	Flow cfm / ft	17	25	34	43	51	60	68	77	86
	NC	—	—	—	17	22	26	30	33	36
	Throw ft	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-27	15-22-29	16-24-32
2½ in.	Flow cfm / ft	23	35	47	59	71	82	95	106	118
	NC	—	—	—	17	23	27	31	34	38
	Throw ft	4-6-8	6-9-12	8-12-16	10-15-20	13-18-24	15-21-27	16-22-30	20-24-34	22-30-38
3 in.	Flow cfm / ft	31	47	62	78	93	109	125	140	156
	NC	—	—	—	20	25	29	33	37	39
	Throw ft	4-6-8	7-10-14	9-13-18	12-17-22	15-20-25	18-23-29	20-26-33	23-30-37	25-32-40
3½ in.	Flow cfm / ft	40	59	79	98	118	138	158	178	198
	NC	—	—	—	21	26	31	35	38	41
	Throw ft	5-7-10	8-11-15	10-15-20	15-19-24	17-22-27	20-25-31	22-28-35	25-32-39	27-34-42
4 in.	Flow cfm / ft	46	69	93	116	138	161	183	208	230
	NC	—	—	16	22	27	31	35	39	41
	Throw ft	6-8-11	9-12-16	12-16-20	15-20-25	19-24-29	21-26-32	24-30-36	26-33-40	30-37-44
5 in.	Flow cfm / ft	62	92	122	152	182	212	242	273	302
	NC	—	—	18	24	29	33	37	41	43
	Throw ft	7-9-12	11-14-18	14-18-22	17-21-26	21-26-31	24-29-35	27-33-39	30-36-43	33-40-47
6 in.	Flow cfm / ft	76	133	152	190	228	266	302	342	380
	NC	—	—	19	25	30	35	38	41	44
	Throw ft	8-10-13	12-15-19	15-19-23	20-24-28	23-27-32	26-31-37	29-34-40	33-40-45	37-43-49

Mandrel Core Style - 16A

Size	Static Pressure	.013	.027	.050	.079	.111	.155	.199	.252	.310
1½ in.	Flow cfm / ft	12	19	25	31	38	44	50	56	62
	NC	—	—	21	27	33	38	41	45	48
	Throw ft	2-4-6	4-7-10	6-10-14	7-12-17	9-14-20	10-16-23	12-18-25	13-20-27	14-22-30
2 in.	Flow cfm / ft	18	27	36	44	54	63	72	81	88
	NC	—	—	17	24	30	35	38	42	44
	Throw ft	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-27	15-22-30	16-24-32
2½ in.	Flow cfm / ft	24	35	47	59	71	83	94	106	118
	NC	—	—	16	23	29	34	37	41	44
	Throw ft	4-6-8	6-9-12	8-12-16	10-15-20	13-19-24	14-20-26	17-23-30	19-26-33	21-28-36
3 in.	Flow cfm / ft	29	43	58	72	87	101	116	130	144
	NC	—	—	17	23	29	33	37	41	44
	Throw ft	4-6-9	7-10-13	9-13-17	12-16-21	15-20-25	17-22-28	20-26-32	21-28-35	23-31-39
3½ in.	Flow cfm / ft	35	52	70	87	104	122	139	157	174
	NC	—	—	17	23	29	34	38	41	44
	Throw ft	5-7-9	8-11-14	11-15-19	13-17-22	16-21-26	19-24-30	22-28-34	23-30-37	26-33-41
4 in.	Flow cfm / ft	42	63	84	105	126	147	168	189	210
	NC	—	—	18	25	30	34	39	42	45
	Throw ft	5-7-10	9-12-15	12-16-20	15-19-24	18-23-28	21-26-32	23-29-35	25-32-39	29-36-43
5 in.	Flow cfm / ft	54	81	108	135	162	189	216	243	270
	NC	—	—	19	26	31	36	40	43	47
	Throw ft	7-9-12	10-13-17	14-18-22	16-21-26	20-25-30	23-28-34	25-31-37	28-34-41	31-38-45
6 in.	Flow cfm / ft	66	99	132	165	198	231	264	297	330
	NC	—	—	19	25	31	36	40	43	46
	Throw ft	8-10-13	11-14-18	15-19-23	19-23-27	23-27-31	25-30-35	28-33-39	31-37-43	34-40-46

PERFORMANCE DATA

Mandrel Core Style - 25C

Size	Static Pressure	.010	.022	.040	.063	.089	.121	.159	.202	.250
1½ in.	Flow cfm / ft NC	12 —	18 —	24 —	30 —	36 18	42 24	48 28	54 31	60 34
	Throw ft	2-4-6	4-7-10	5-9-13	7-12-17	8-13-19	10-16-22	11-17-24	12-19-26	14-21-29
2 in.	Flow cfm / ft NC	20 —	29 —	39 —	49 —	59 21	69 25	79 29	89 33	98 36
	Throw ft	3-5-7	5-9-12	7-11-16	9-14-20	10-16-23	13-19-26	14-21-28	15-22-30	17-25-33
2½ in.	Flow cfm / ft NC	28 —	43 —	57 —	71 18	85 23	99 27	117 32	125 34	142 37
	Throw ft	4-6-8	6-9-12	8-12-17	11-16-22	13-19-25	15-21-28	18-25-32	21-28-36	22-30-39
3 in.	Flow cfm / ft NC	38 —	57 —	76 —	95 20	113 25	132 30	151 33	170 36	190 40
	Throw ft	5-7-10	7-11-15	10-14-19	12-17-23	15-21-27	18-24-31	20-27-34	24-31-39	26-34-42
3½ in.	Flow cfm / ft NC	45 —	68 —	91 —	114 20	133 25	159 30	184 34	205 37	228 41
	Throw ft	5-7-10	9-12-16	12-16-20	15-20-25	18-23-28	20-26-32	23-29-36	25-32-40	29-36-44
4 in.	Flow cfm / ft NC	54 —	81 —	108 —	135 21	162 26	189 31	216 34	243 38	270 41
	Throw ft	6-8-11	10-13-17	13-17-21	16-21-26	20-25-30	22-28-34	24-30-37	28-35-42	31-38-46
5 in.	Flow cfm / ft NC	72 —	108 —	144 17	180 23	216 28	252 33	289 37	324 40	360 43
	Throw ft	8-10-13	11-14-18	15-19-23	18-22-27	22-27-32	25-31-37	27-33-40	30-37-44	34-41-48
6 in.	Flow cfm / ft NC	90 —	135 —	180 17	225 24	270 30	314 34	360 38	404 41	450 45
	Throw ft	9-11-14	13-16-20	16-20-24	20-24-29	24-29-34	28-33-39	30-35-41	34-40-46	38-44-50

Mandrel Core Style - 26C

Size	Static Pressure	.012	.026	.048	.076	.107	.145	.191	.242	.300
1½ in.	Flow cfm / ft NC	13 —	19 —	26 19	32 25	39 31	45 36	51 40	58 43	64 46
	Throw ft	2-4-6	4-7-10	6-10-14	7-12-17	9-14-20	10-16-23	12-18-25	13-20-27	14-22-30
2 in.	Flow cfm / ft NC	19 —	29 —	39 16	48 23	58 29	67 33	77 37	87 41	96 44
	Throw ft	3-5-7	5-8-12	7-11-16	9-14-20	11-17-24	13-19-26	15-22-29	16-23-31	17-25-34
2½ in.	Flow cfm / ft NC	26 —	40 —	53 16	66 23	79 28	92 33	105 37	119 41	132 45
	Throw ft	4-6-8	6-9-13	9-13-17	11-16-21	13-18-24	15-21-27	17-24-31	20-27-34	22-29-38
3 in.	Flow cfm / ft NC	34 —	51 —	68 16	85 23	102 29	119 34	136 38	152 41	170 45
	Throw ft	4-6-9	7-10-14	10-14-19	12-17-22	15-20-26	18-24-30	20-27-33	23-30-37	25-33-40
3½ in.	Flow cfm / ft NC	42 —	63 —	84 18	106 25	126 30	148 36	169 40	190 43	212 47
	Throw ft	5-7-10	8-11-15	11-15-20	14-19-24	17-22-28	21-27-33	22-28-35	25-31-39	28-35-43
4 in.	Flow cfm / ft NC	50 —	75 —	100 19	125 25	150 31	175 35	200 40	225 44	250 47
	Throw ft	6-8-11	10-13-17	13-17-21	16-20-25	19-24-29	22-28-33	24-30-37	27-35-41	30-37-44
5 in.	Flow cfm / ft NC	66 —	99 —	132 20	165 27	198 33	231 38	264 42	297 45	330 48
	Throw ft	8-11-13	11-15-18	14-18-23	18-22-27	21-29-31	24-30-35	26-32-39	30-35-43	32-38-46
6 in.	Flow cfm / ft NC	84 —	126 —	168 22	210 29	252 35	294 40	336 43	378 47	420 50
	Throw ft	9-12-15	13-16-20	17-21-25	20-24-29	23-28-33	26-31-37	28-34-40	30-37-44	35-41-47

PERFORMANCE DATA

Mandrel Core Style - 27C

Size	Static Pressure	.012	.026	.048	.076	.107	.145	.191	.242
1½ in.	Flow cfm / ft	13	19	26	32	38	45	51	58
	NC	—	16	24	31	36	41	45	48
	Throw ft	2-4-6	4-7-10	6-9-13	7-11-16	8-13-19	9-15-21	10-16-23	12-18-25
2 in.	Flow cfm / ft	19	29	38	48	58	67	77	86
	NC	—	—	20	26	31	36	40	43
	Throw ft	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-2	15-22-30
2½ in.	Flow cfm / ft	26	39	52	65	77	91	104	117
	NC	—	—	20	26	31	36	40	43
	Throw ft	4-6-8	6-9-12	8-12-16	10-15-20	13-19-24	14-20-26	17-23-30	19-26-33
3 in.	Flow cfm / ft	33	50	66	83	100	116	133	149
	NC	—	—	20	26	31	36	40	43
	Throw ft	4-6-9	7-10-13	9-13-17	12-16-21	15-20-25	17-22-28	20-26-32	21-28-35
3½ in.	Flow cfm / ft	40	60	80	100	120	140	160	180
	NC	—	—	20	27	32	36	40	43
	Throw ft	5-7-9	8-11-14	11-15-19	13-17-22	16-21-26	19-24-30	22-28-34	23-30-37
4 in.	Flow cfm / ft	49	73	97	122	146	171	195	219
	NC	—	—	21	27	33	37	41	44
	Throw ft	6-8-11	9-12-16	12-16-20	15-20-25	19-24-29	21-26-32	24-30-36	26-33-40
5 in.	Flow cfm / ft	63	95	126	158	190	228	253	284
	NC	—	—	22	28	33	38	42	45
	Throw ft	7-9-12	11-14-19	14-18-22	17-21-26	21-26-31	24-29-35	27-33-39	30-36-43
6 in.	Flow cfm / ft	76	114	152	190	228	266	304	342
	NC	—	—	22	29	34	39	42	46
	Throw ft	8-10-13	12-15-18	15-19-23	20-24-28	23-27-32	26-31-37	29-34-40	33-39-45

Performance Notes

Tested in accordance with ASHRAE Standard 70-2006 (RA 2011)
"Method of Testing for Rating the Performance of Air Outlets and Inlets."

1. Pressure

All pressures are in in. w.g.

2. Throw

Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).

These throw values are based on a 4 ft active section of grille with a cooling temperature differential of 20 °F.

The multiplier factors listed in the table below are applicable for other lengths.

Throw Correction for Length (Multiply)

Active Length	Terminal Velocity		
	150 fpm	100 fpm	50 fpm
1 ft	0.5	0.6	0.7
10 ft or Continuous	1.6	1.4	1.2

3. Sound

The NC values are based on a room absorption of 10 dB, re 10-12 watts and a 10 ft active section.

The NC correction values for other lengths are listed in the table below.

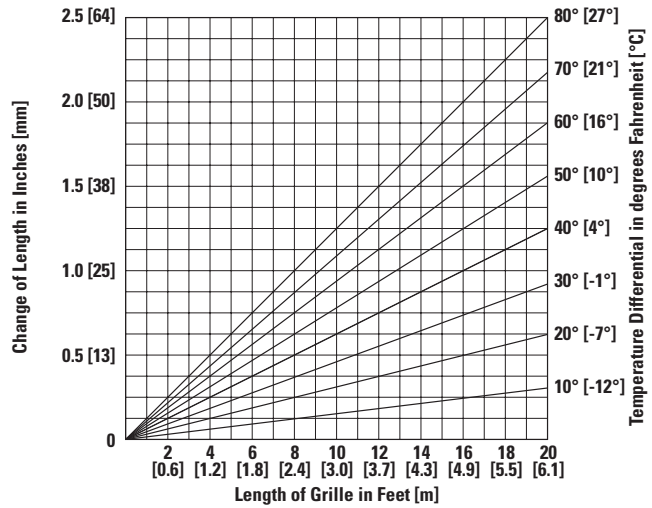
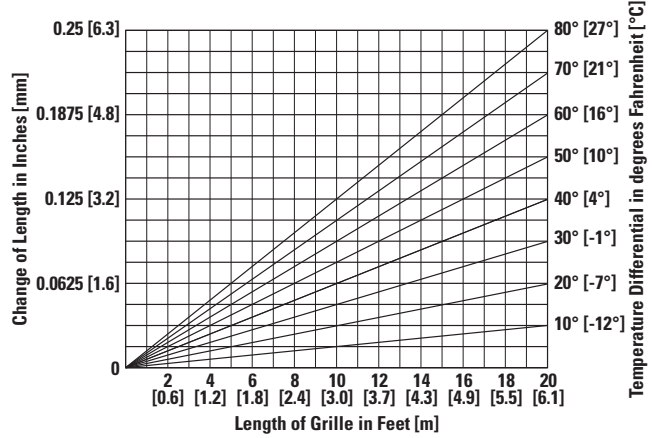
4. Blank (—) spaces indicate an NC level below 15

Active Length, ft	NC Correction for Length									
	1	2	4	6	8	10	15	20	25	30
Correction	-10	-7	-4	-2	-1	0	+2	+3	+4	+5

EXPANSION AND CONTRACTION OF ALUMINUM LINEAR GRILLES

The expansion and contraction of aluminum linear grilles due to temperature differentials are shown in the frames on the right. For most normal applications, the slight clearance which occurs when linear grilles are butted together is sufficient to account for the expansion and contraction of the diffusers. Alignment splice plates supplied with the diffusers help to maintain alignment of the adjacent sections as the cores expand and contract.

Expansion and contraction of aluminum linear grilles





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