

Floor Bar Grille



Description The LinkedAir Floor Bar Grille is the standard QVE Linear Bar grille with additional supports as the rear. The blades are fixed and can be chosen from 0° deflection, 15° deflection and 30° deflection. The linear bar grilles can be manufactured up to 3 meters in length as a single piece, multiple pieces can be produced with joining strips provided to create continuous grilles with lengths in excess of 3 meters. Free area approximately 77% (12mm spacing). Architecturally aesthetical grilles design available such as reverse flange, Flangeless type etc.

Construction Extruded Aluminium

Application Supply Air / Return Air / Exhaust Air for sidewall, bulkhead or ceiling

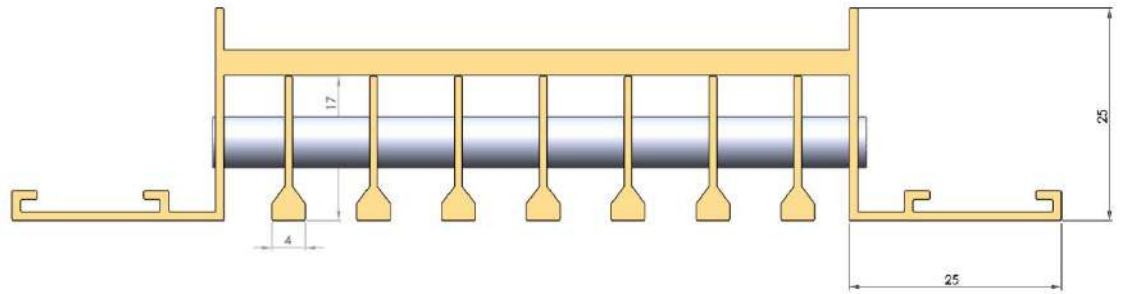
Size Flange Size: 25mm

Finish White (Powdercoated)

Options

Deflection	Flange	Colour
0°	14mm	Natural Anodised
15°	18mm	/
30°	30mm	Dulux Range

Accessories Opposite Blade Damper
Filter
Deflection Blade
Plenum with Side or Top Entry
Blanking Plate



Neck Size (mm)	AIR FLOW RATE (l/s)	Total Pressure (Pa)	NECK AIR VELOCITY (m/s)	MIN MAX THROW (M)	NR LEVEL
1000 x 40	40	2	1.25	0.9 - 1.8	-
	50	3	1.5	1.5 - 3.0	-
	60	6	2	2.3 - 4.1	-
	75	9	2.5	2.7 - 5.0	18
	90	12	3	3.0 - 5.8	22
	110	16	3.5	3.8 - 6.7	26
	125	19	4	4.3 - 7.5	28
1000 x 90	90	2	1.15	1.8 - 3.4	-
	110	2	1.35	2.4 - 4.3	-
	125	3	1.5	2.7 - 5.0	-
	140	5	1.75	2.7 - 5.4	-
	160	6	1.9	3.3 - 6.0	15
	190	8	2.4	4.0 - 6.4	19
	230	12	3	5.3 - 8.5	24
	270	15	3.35	6.0 - 9.0	26
	310	17	3.8	7.3 - 10.6	29
1000 x 140	190	8	1.5	3.0 - 5.0	-
	230	12	1.8	4.3 - 6.4	15
	270	15	2	4.3 - 6.0	16
	310	17	2.35	4.7 - 7.0	20
	350	19	2.65	3.7 - 6.8	22
	390	20	2.95	5.0 - 8.0	26
	430	22	3.05	7.3 - 10.4	28
	470	23	3.35	8.0 - 11.0	30
1000 x 190	270	3	1.5	4.3 - 6.0	-
	310	4	1.7	4.7 - 7.0	15
	350	6	1.9	5.0 - 8.0	17
	390	6	2.1	6.0 - 9.0	18
	430	8	2.35	6.8 - 9.7	21
	470	9	2.5	7.3 - 10.3	24
	540	12	3	8.3 - 12.0	27
1000 x 240	350	3	1.5	3.7 - 6.8	-
	390	4	1.65	5.0 - 8.0	15
	430	5	1.85	5.5 - 8.6	17
	470	6	2	6.0 - 9.3	19
	540	8	2.3	7.5 - 11.0	22
1000 x 290	430	3	1.5	5.0 - 7.7	14
	470	4	1.65	5.4 - 8.2	16
	540	5	1.9	6.0 - 10.0	19

Correction Factors by Deflection Blade		
<i>Deflection</i>	<i>15°</i>	<i>30°</i>
Pressure Factor	1.2	1.5
Throw Factor	0.85	0.75
NR Addition	+2	+4

Correction Factors by Differential Temperature		
<i>Differential Temperature</i>	<i>-10 °C</i>	<i>10 °C</i>
Throw Factor	1.15	0.6

Correction Factors by Grille Length		
<i>Grille Length</i>	<i>Throw Factor</i>	<i>NR Addition</i>
1.0 - 1.5	1	+0
1.5 - 2.5	1.1	+2
2.5+	1.15	+5

Exhaust Applications	
Pressure Factor	1.3
NR Addition	+5

Notes:

- All performance data is based on isothermal conditions
- **THROWS** Maximum and minimum throws are based on jet terminal velocities of 0.25m/s and 0.75m/s correspondingly at a room height of 2.7m, positioned 250mm from a ceiling
- **NOISE LEVEL** Noise data is based on a room absorption of 8db