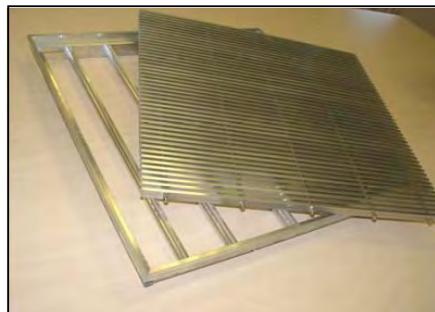




Heavy Duty Floor Grilles for Data Centres

Type 31-1-F



Heavy Duty Floor Grilles, Series 31-1-F (0° Deflection) and 31-15-F (15° Deflection) are specifically designed to be used in the air conditioning of any rooms with raised technical floors, eg Data Centres.

Heavy Duty Floor Grilles are manufactured in extruded Aluminium finished in its natural colour. Ral finishes available upon request.

The standard dimension is 600x600 (599x599 Overall), however other dimensions can be manufactured, in order to adapt these grilles to any type of floor.

These grilles are also available with (29-0) opposed blade damper, which can be easily adjusted from above with a screwdriver.

Also available is an air deflector (G) on the rear.

Technical Data - Quick Selection Table

Q		Dim LxH	600x600
(m ³ /h)	(l/s)	A _k (m ²)	0,2013
400	111,1	X (m)	0,7
		dB(A)	<15
		p _t (Pa)	1
		V _k (m/s)	0,6
500	138,9	X (m)	0,8
		dB(A)	<15
		p _t (Pa)	1
		V _k (m/s)	0,7
600	166,7	X (m)	1,0
		dB(A)	<15
		p _t (Pa)	1
		V _k (m/s)	0,8
700	194,4	X (m)	1,1
		dB(A)	<15
		p _t (Pa)	1
		V _k (m/s)	1,0
800	222,2	X (m)	1,3
		dB(A)	<15
		p _t (Pa)	1
		V _k (m/s)	1,1
900	250,0	X (m)	1,5
		dB(A)	<15
		p _t (Pa)	1
		V _k (m/s)	1,2
1000	277,8	X (m)	1,6
		dB(A)	<15
		p _t (Pa)	1
		V _k (m/s)	1,4
1200	333,3	X (m)	2,0
		dB(A)	15
		p _t (Pa)	2
		V _k (m/s)	1,7
1400	388,9	X (m)	2,3
		dB(A)	19
		p _t (Pa)	2
		V _k (m/s)	1,9
1600	444,4	X (m)	2,6
		dB(A)	22
		p _t (Pa)	3
		V _k (m/s)	2,2



X: Throw for a terminal Air Velocity of 0.25m/s at 100mm above floor level

V_k: Effective Velocity

ΔPt: Pressure Drop

dB(A): Sound Power Level



- 31-1-F** Linear Floor Grille, 0° Deflection
- 31-15-F** Linear Floor Grille, 15° Deflection
- 0** Opposed Blade Damper, type 29-0
- G** Air Deflector

