



Heavy Duty Floor Grille - Tile Replacement

HDFG

Introduction

The Waterloo HDFG Heavy Duty Floor Grille has been designed for commercial and industrial applications where heavy foot traffic is experienced. The HDFG is a 600mm tile replacement, structurally complying to the Extra Heavy Duty Class of BS EN 13264-2001.

Product Description

- HDFG** Extra heavy duty floor grille, tile replacement.
- OBSS** Opposed blade damper
- HMD** Low height hit-and-miss damper
- BL** Blanking plate

Features

- Tested to, and complied with, BS EN 13264-2001 Ventilation for Buildings - Floor mounted Air Terminal Devices - Test for Structural Classification - Extra Heavy Structural Class.
- Improved additional strength design.
- Suitable for most pedestal flooring systems.
- Easy "Drop in" installation.
- Two choices of damper, including low height version
- Convenient damper adjustment.
- Dampers and blanking plate can be supplied factory-fitted, or can be retro-fitted on site if necessary.

Floor compatibility

- Matches most raised floor systems based upon 600mm x 600mm module.
- Configurable to match floor thickness's 30mm to 50mm.

Finish

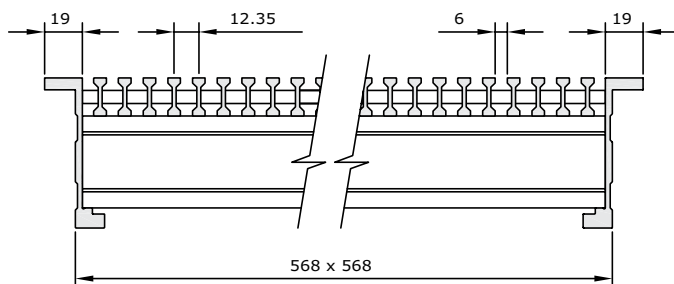
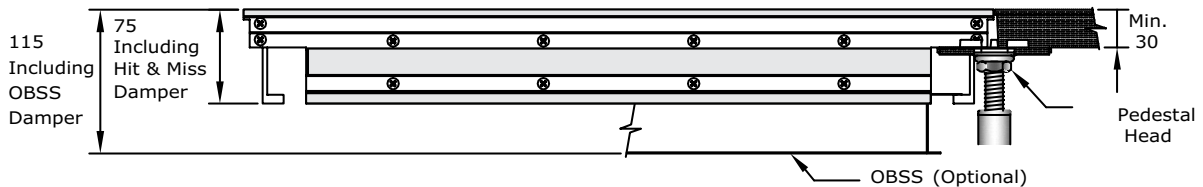
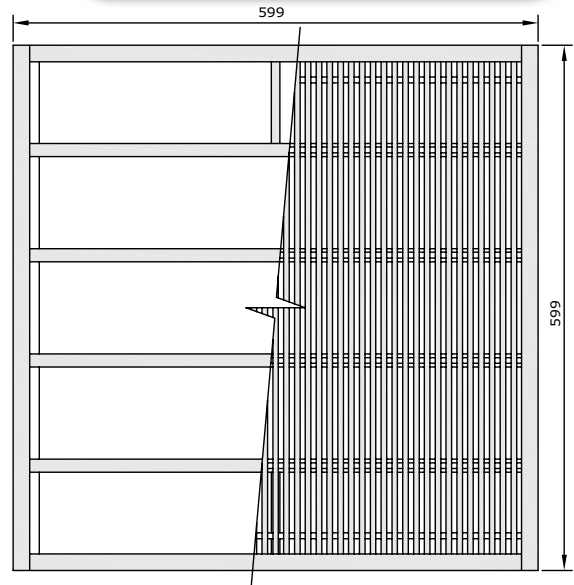
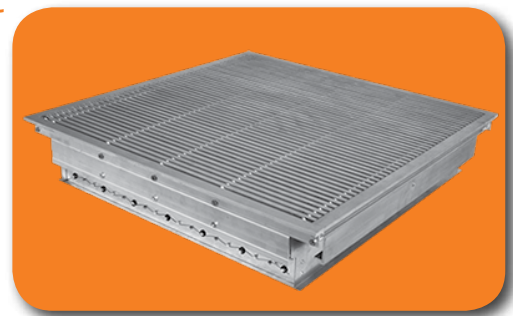
- Mill finish as standard.
- Powder or anti-static nylonic coating options available on request.

Weights

- HDFG 10 kg per grille
- OBSS 9.5 kg/m² face area

Sizes

Nominal 600mm x 600mm tile replacement (599mm x 599mm actual).



Free Area
33%

ORDER EXAMPLE

HDFG/38/MILL/OBSS

Type _____

Floor Thickness _____

Finish _____

Option _____

HDFG 600x600 Tile Replacement						
Flow rate (l/s)		No Damper	OBSS 100%	OBSS 50%	H & M 100%	H & M 50%
100	T	0.6	0.7	0.9	0.8	1.1
	P _s	1	2	4	3	5
	L _w	<20	<20	20	<20	21
200	T	1.1	1.2	1.7	1.5	2.0
	P _s	3	4	6	5	9
	L _w	<20	<20	21	21	23
300	T	1.9	2.0	2.7	2.4	3.2
	P _s	5	6	13	12	22
	L _w	21	21	25	25	31
400	T	3.0	3.2	3.9	3.6	4.4
	P _s	9	10	25	23	40
	L _w	27	28	33	32	41-
500	T	4.2	4.4	5.1	4.9	-
	P _s	13	15	40	34	-
	L _w	34	36	41	20	-
600	T	5.6	5.9	-	-	-
	P _s	17	22	-	-	-
	L _w	42	44	-	-	-

ΔT = 6°C
Throw (m) at 0.25 m/s