

# Air Diffusion

## Extra Heavy Grade Floor Grille

Type PF-HDA

Routing services through the floor void is now a standard solution for the modern building. The extra freedom which access floors allow in the planning and re-planning of internal layouts makes them popular with both designers and building owners.

The Type PF-HDA Extra Heavy Grade Floor Grille is constructed totally in aluminium and features a unique one-piece 'multi-blade' mitred frame. The reinforcing frame has been specially designed and tested to withstand high loading making this product ideal for installation in areas such as computer rooms where heavy loads may be placed upon them.

### Fully Tested

The Type PF-HDA Extra Heavy Grade Floor Grille has been fully tested and meets the heavy grade requirements of the PSA MOB PF2 PS/SPU March 1992 specification, which includes the rolling load test.

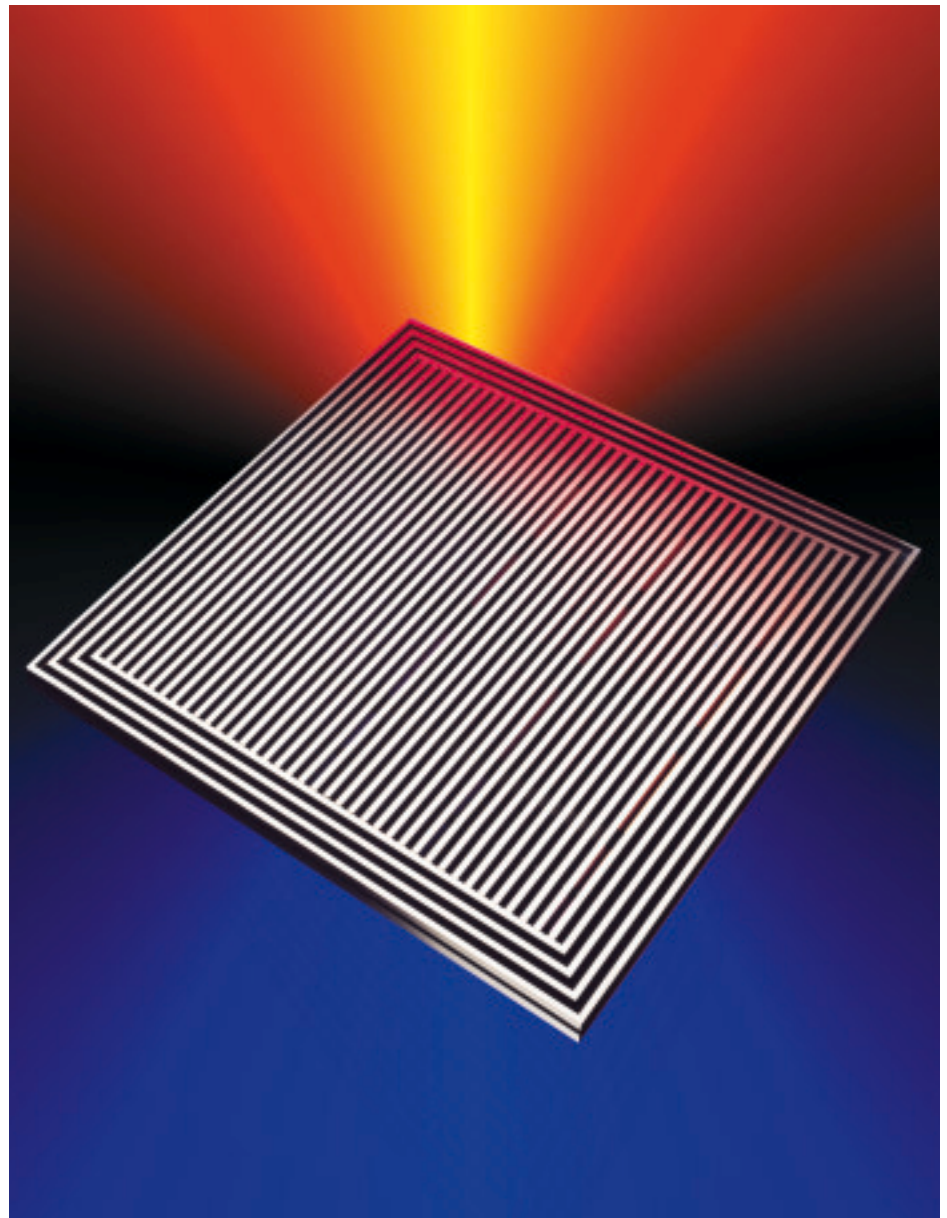
The Type PF-HDA Extra Heavy Grade Floor Grille has also passed the

**T11 extra heavy duty air grille** test without collapse.

### Specification

Units can be offered with optional Opposed Blade Dampers and users can also select either a brushed satin or tough nylon coat finish.

All grilles are manufactured to suit the overall thickness of raised floor panels inclusive of covering to ensure a flush finish.

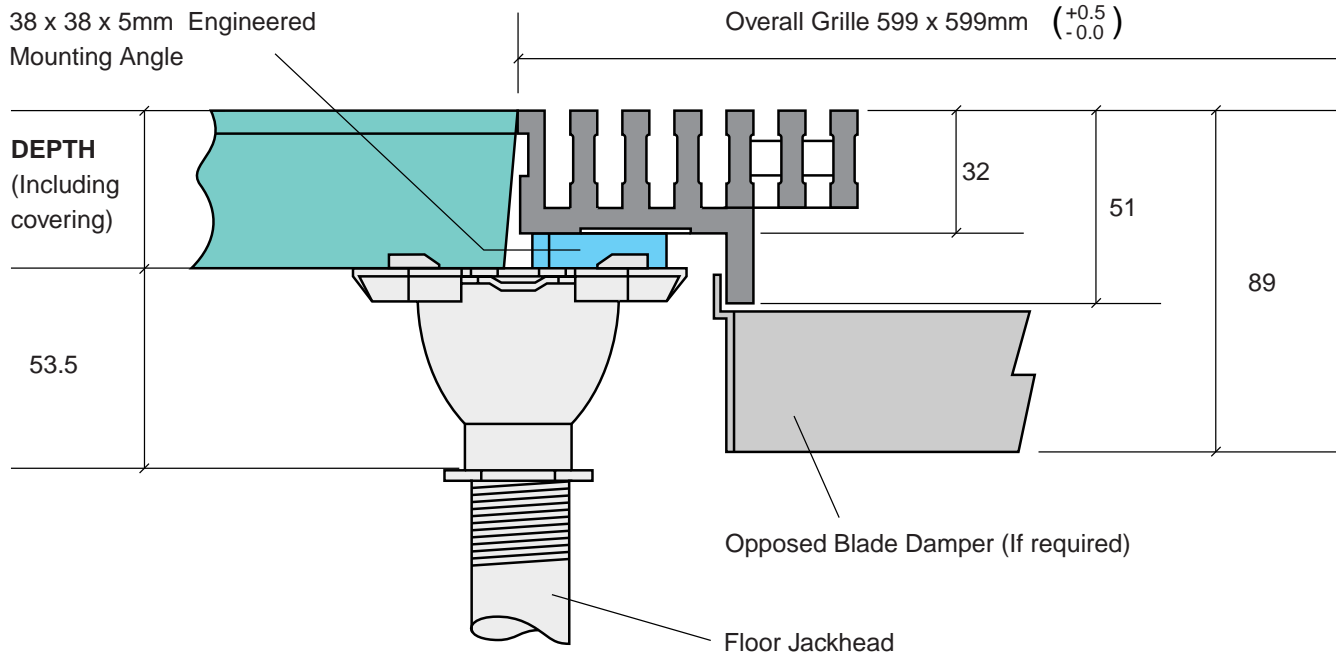


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## Technical Specifications

The information contained herein is subject to change without notice due to continuing research and development



## Model PF-HDA

Volume (l/s)	Total Pressure (Pa)	Free Area Velocity (m/s)	Duct Velocity (m/s)	Noise Level (NR)
200	6	1.7	0.9	26
300	12	2.5	1.4	27
400	19	3.3	1.8	31
500	25	4.2	2.3	42
600	32	5.0	2.7	46
700	38	5.8	3.2	49

All figures shown include an Opposed Blade Damper set fully open.

When no damper is required a reduction of both 2NR and 2Pa can be applied to the noise and pressure figures stated.

For some projects it is a requirement for safety and insulation that the exposed surfaces of the panel floor grilles are black nylon coated. Other colours are available on request. Earthing tags can also be supplied as an option.

Although the 600 x 600mm size is the most common other sizes are available.

## Ordering Procedure (Example)

SIZE	Type PF-HDA	ACCESSORY	FINISH	DEPTH
599 x 599	PF-HDA	G	6	42mm

No collapse when subjected to 22kN through 4 point load indenter.

**G** – No Opposed Blade Damper

**R** – With Opposed Blade Damper

**5** – Brushed Satin Finish

**6** – Black Nylon Coated Finish

**7** – Nylon Coated Finish (special RAL colour)

Total panel thickness including covering

For further information, please contact our Customer Service Office.

# Air Diffusion

CREATIVE AIR SOLUTIONS

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