

# COMPUTER FLOOR GRILLE - CFG

## DESCRIPTION & FEATURES

Computer floor grilles (CFG) are designed for use in computer rooms with raised 600 x 600mm modular floor systems and under-floor distribution and ductwork. CFG grilles offer excellent loading characteristics and are interchangeable within the floor grid to suit varying room layouts. Fitted Opposed Blade Dampers (OBD) are available.



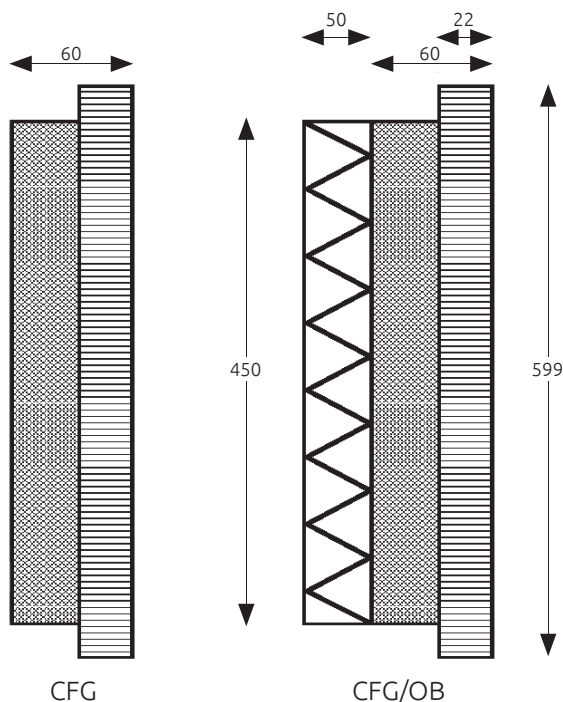
CFG

CFG grilles are manufactured from 6mm thick aluminium bar and angle, with a fully supported mild steel sub frame.

As standard, aluminium linished core, with steel sub frame black powder coated. Alternative finishes available.

CFG ORDERING CODE	
Series	<b>CFG</b>
Damper	<b>OB</b> - Damper <b>0</b> - Not applicable
Depth	<b>22mm</b> (standard) Other depths available
Finish	<b>1</b> - (Mill Finish) <b>2</b> - RAL9006 (Silver/Grey) <b>3</b> - RAL9010 (White) <b>4</b> - RAL9005 (Black) <b>5</b> - RAL9003 (White) <b>6</b> - RAL9016 (White), <b>7</b> - Other RAL/BS Code (additional costs may apply) <b>8</b> - Chrome Finish - Powder Coated <b>9</b> - Linished Aluminium <b>10</b> - Shadowline
Example: <b>CFG/OB/28.25/10/600x600</b>	

## CFG Dimensions



Weight of floor grille CFG = 22kg.

Independent loading tests confirm that CFG computer floor grilles are capable of withstanding an 11.0kN load over 25mm square at any point. This complies with the requirements of PSA Specification for Platform Floors MOB 08.801 as being suitable for full access extra heavy grade floor systems.

Full details for Pedestal, Jack Head and Floor depth required at order stage to enable correct flush fitting of grille.

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## CFG PERFORMANCE DATA

CFG

SUPPLY				
AIR VOL (l/s)	OUTLET VELOCITY	P.DROP (Pa)	THROW (m)	NOISE (NR)
150	1.3m/s	3	1.2	/
200	1.5m/s	4	1.6	/
250	2m/s	5	2.1	20
350	2.5m/s	7	2.8	20
450	3.36m/s	14	3.7	23
550	4.3m/s	18	4.6	28
650	5.1m/s	26	5.1	32
800	6.3m/s	39	6.3	38

EXTRACT				
AIR VOL (l/s)	OUTLET VELOCITY	P.DROP (Pa)	THROW (m)	NOISE (NR)
150	1.3m/s	3	N/A	/
200	1.5m/s	4	N/A	/
250	2m/s	5	N/A	20
350	2.5m/s	7	N/A	20
450	3.36m/s	12	N/A	26
550	4.3m/s	18	N/A	31
650	5.1m/s	25	N/A	35
800	6.3m/s	39	N/A	41

### The performance data is based on the following parameters:

Isothermal conditions. Acceptable conditions for heating and cooling differentials up to 10°C can also be expected.

Sound ratings are based on dampers in the fully open position.

Pressure drops indicated should be increased by 50% where dampers are fitted.

NC values are based on a room absorption of 9 dB re 10<sup>-12</sup> watts.

### Fixing methods

Supplied for lay-in application. Depth 22mm as standard.

Factory fitted corner packing blocks can be supplied to suit all proprietary flooring systems, relevant information must be advised at time of ordering.