

ideal
grilles

Eggcrate Grilles

EG 1 / ER 1 Series

Product Overview

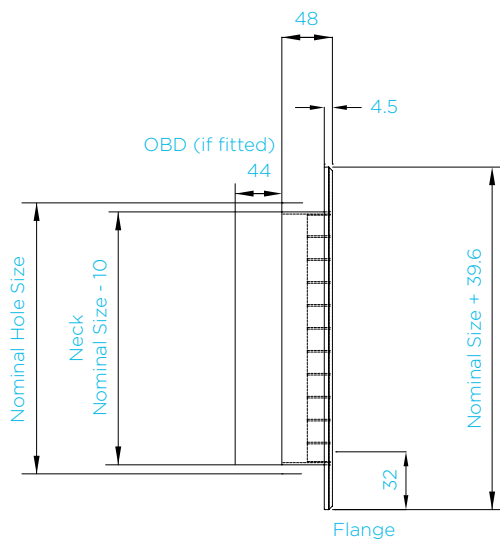
Idealair Series EG1 eggcrate extract grilles are suitable for duct and ceiling applications in most commercial projects. When fitted with an opposed blade damper at the rear they become series ER1 with the damper being adjustable through the front face of the grille.

Construction

Frames are manufactured from 6063 T6 extruded aluminium. Frame mitres are mechanically jointed and tig welded on the rear and neck for added strength and rigidity preventing any distortion of the hairline mitres. Eggcrate Grille Cores are constructed from aluminium eggcrate 12.5mm x 12.5mm.

Size Range

100 x 100mm to 1000 x 1000mm nominal size in 50mm increments. Special sizes and multiple units are available on a made to order basis. Preferred sizes for the EG1 / ER1 series are available for next working day. Please enquire for details.



Fixing

Grilles are supplied with countersunk holes (excluding 595 x 595mm tile) as standard. Alternative fixing methods are available on request.

- N** - No fixing provided (fixing by others)
- L** - Lay-in tile replacer*
- S** - Countersunk flange holes
- R** - Rear fixing lugs

*595 x 595mm overall across flange (flange for surface mounting).

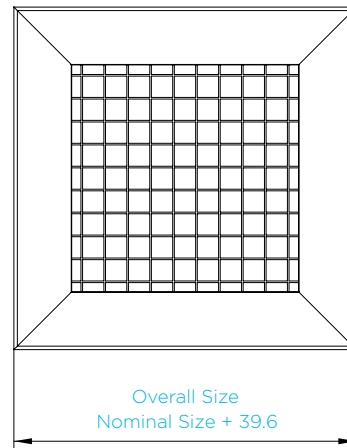
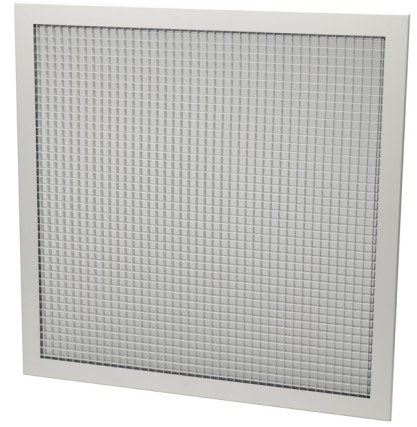
Finish

- PPC RAL9010** - 20% gloss white (Standard)
- MF** - Mill Finish
- PPC RAL** - Stock RAL colours available to order

Accessories

Please specify the accessories on your order.

- Opposed blade damper (OBD)
- Neck reducers
- Plenum boxes



All measurements in millimetres (mm)

Eggcrate Grilles

Selection Nomogram

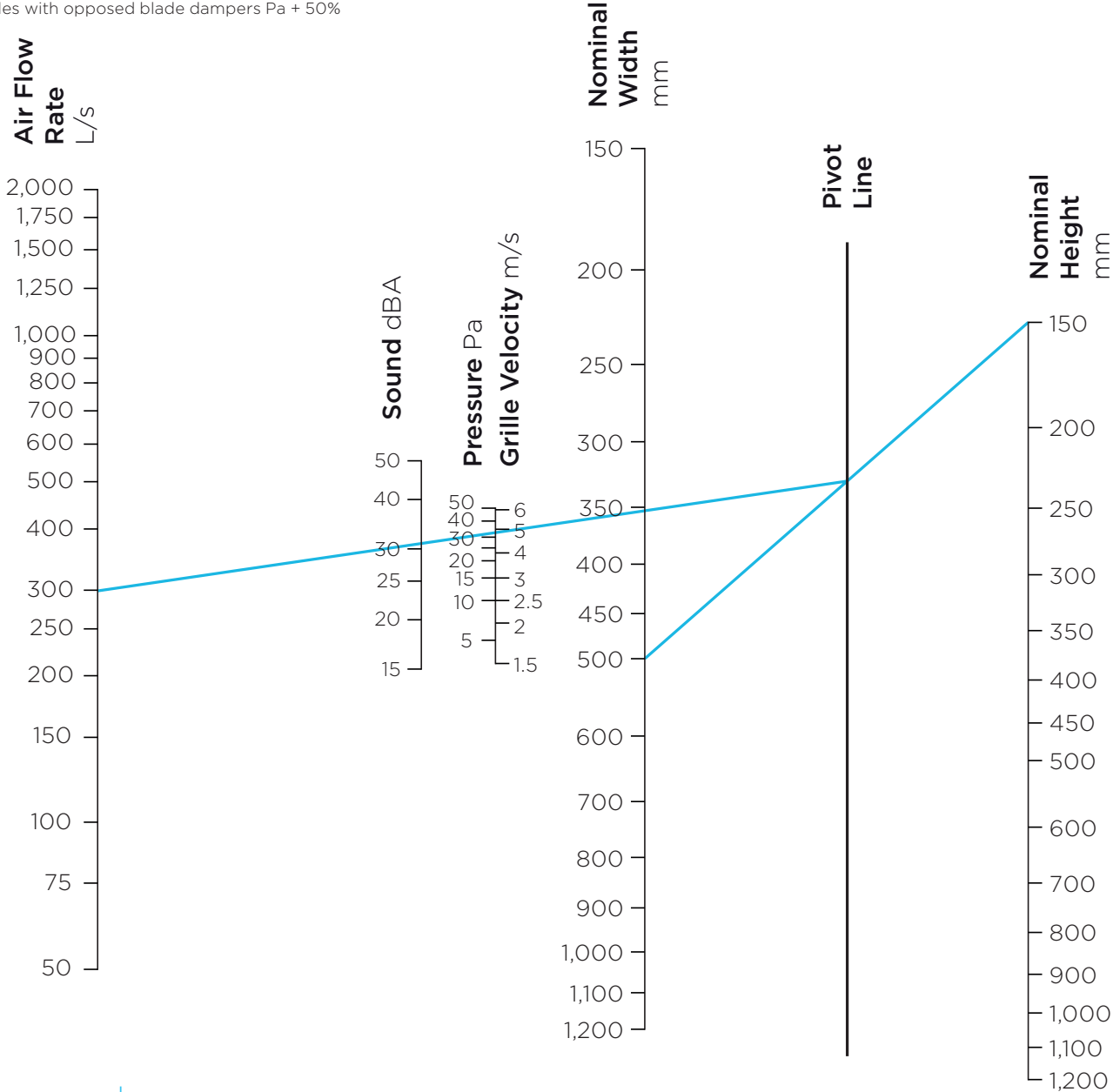
All data based on:

*Terminal velocity 0.4m/s @ stated throw

*Grilles mounted within 400mm of ceiling > 400mm reduce throw by 1/3

*dBA figures based on room losses of 8 db for sound power reference 10⁻¹²W

*For grilles with opposed blade dampers Pa + 50%



Placing an order

Example Product Code					
EG1	0595	0595	AF	L	RAL9010

Terminal Velocity m/s	0.5	0.4	0.25
Throw Multiplier	0.8	1	1.5

Series		Size mm*		Dimensional Selection		Fixing		Finish	
		Width	Height						
EG1	Grille only	0100	0100	NOM	Nominal opening size or duct size	N	No fixing (fixing by others)	RAL9010	PPC RAL9010 (20% Gloss) white
ER1	Grille with opposed blade damper fitted	1000	1000	NK	Neck size of the grille	L	Lay-in ceiling grid (595x595 only)	MF	Mill Finish
				AF	Across flange size of the grille	S	Countersunk flange holes	RAL	PPC RAL colours
						R	Rear fixing lugs		

*Sizes in 50mm increments
When ordering please state requirement from each column: Series, Size, Dimensional Selection, Fixing & Finish.