

ideal  
grilles

## Fixed Blade Extract Grille

SEG 1 / SER 1 Series 45° Blade

### Product Overview

Idealair Series SEG1 45 Deg fixed blade 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 SER1 with the damper being adjustable through the front face of the grille.

### Construction

Frames and blade 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. Grille vanes are set at 20mm centres.

### 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. Please enquire for details.



### Fixing

Grilles are supplied with countersunk holes as standard. Alternative fixing methods are available on request.

- N** - No fixing provided (fixing by others)
- S** - Countersunk flange holes

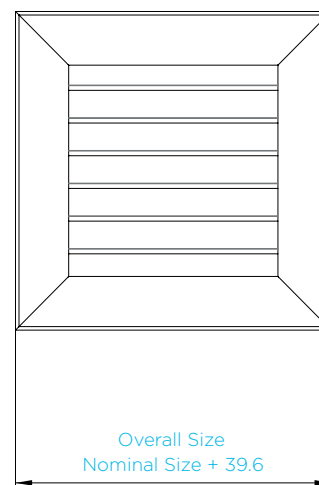
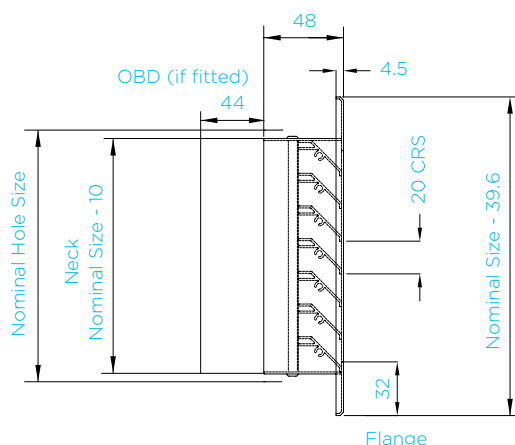
### Finish

- MF** - Mill Finish (Standard)
- 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)

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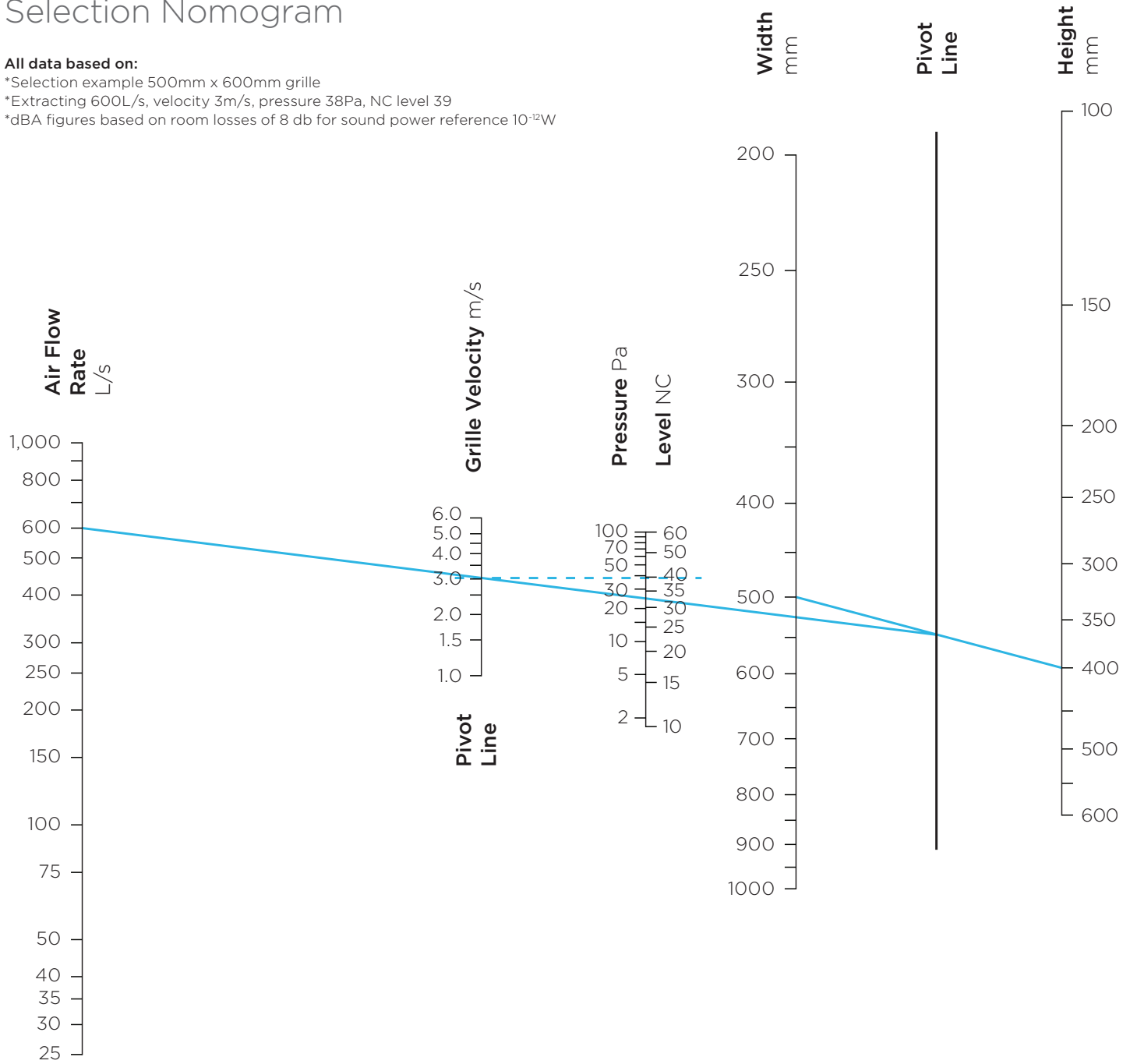
## Selection Nomogram

All data based on:

\*Selection example 500mm x 600mm grille

\*Extracting 600L/s, velocity 3m/s, pressure 38Pa, NC level 39

\*dBA figures based on room losses of 8 db for sound power reference 10<sup>-12</sup>W



## Placing an order

Example Product Code					
SEG1	0150	0500	NOM	S	MF

Terminal Velocity m/s	0.6	0.5	0.4	0.3
Throw Multiplier	x 0.8	x 1.0	x 1.3	x 1.66

Series	Size mm*	Dimensional Selection		Fixing	Finish				
		Width	Height						
SEG1	Grille only	0100	0100	NOM	Nominal opening size or duct size	N	No fixing (fixing by others)	MF	Mill Finish
SER1	Grille with opposed blade damper fitted	1000	1000	NK	Neck size of the grille	S	Countersunk flange holes	RAL	PPC RAL colours
				AF	Across flange size of the grille				

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