

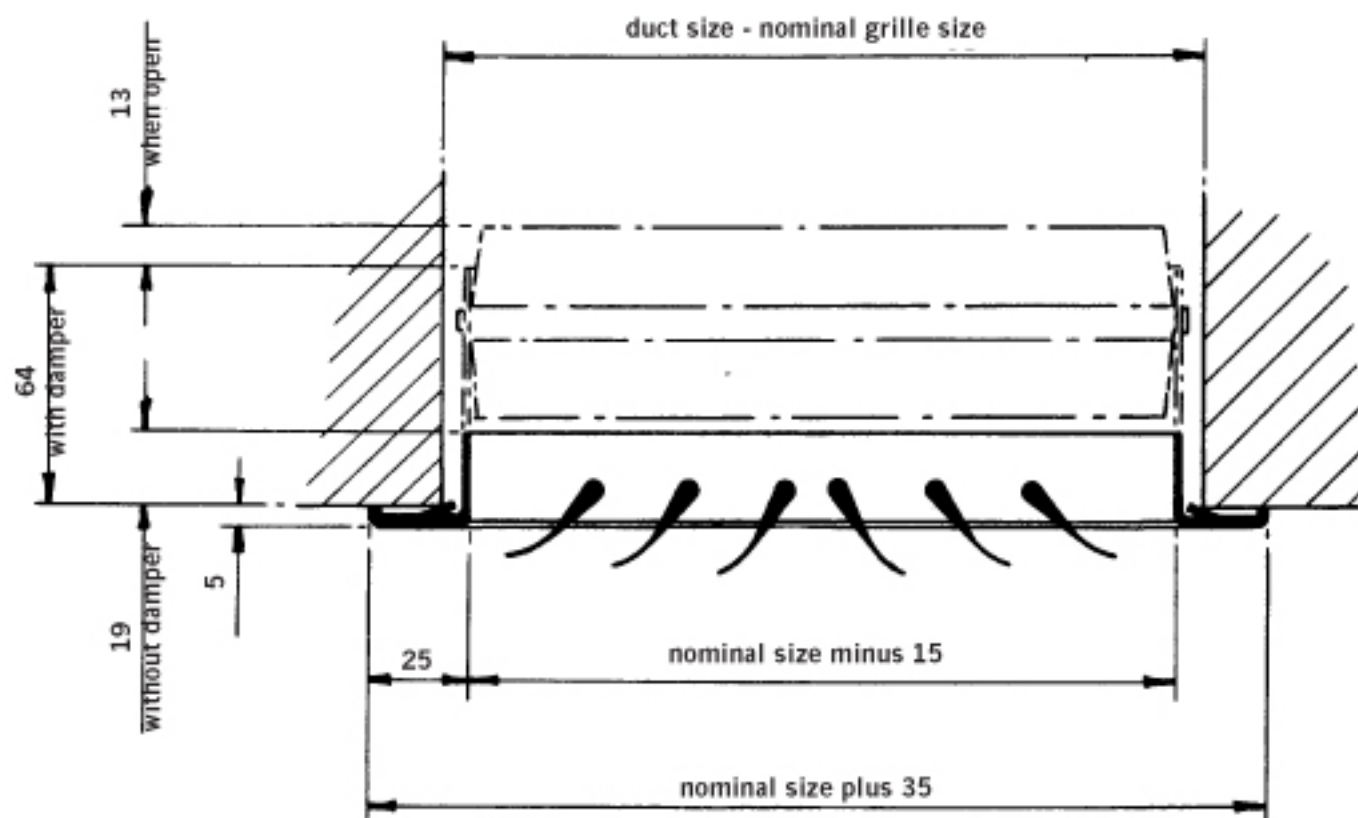


*air diffusion*  
**FNW**  
*Engineering Developments Ltd*

## **Ceiling Supply Grilles Types CS1 CS2 CS3 CS4**

**New Street Skelmanthorpe Huddersfield HD8 9BL Telephone 01484 861233 Fax 01484 864928**

All products are manufactured in the UK at the above address



F.N.W. plastic faced steel Ceiling Supply Grilles have 'Eyelash' louvres at 25mm centres pivoting about their rear edge for individual adjustment.

All the types of grille consisting of a zinc coated steel spot welded casing with steel pivoting axles welded at their ends, onto which self-coloured plastic extrusions are assembled.

Produced in standard sizes of 50mm increments from 150 x 150 (250 x 250 for the CS3 and CS4) up to and including 1200 x 600, but can be produced in any intermediate size both on length and width.

Mullions being provided to limit the span of louvres to a maximum of 400mm. All grilles sizes being expressed as Length x Width and referring to nominal opening size.

Louvres and flange facing available in Black, White Cream or Grey.

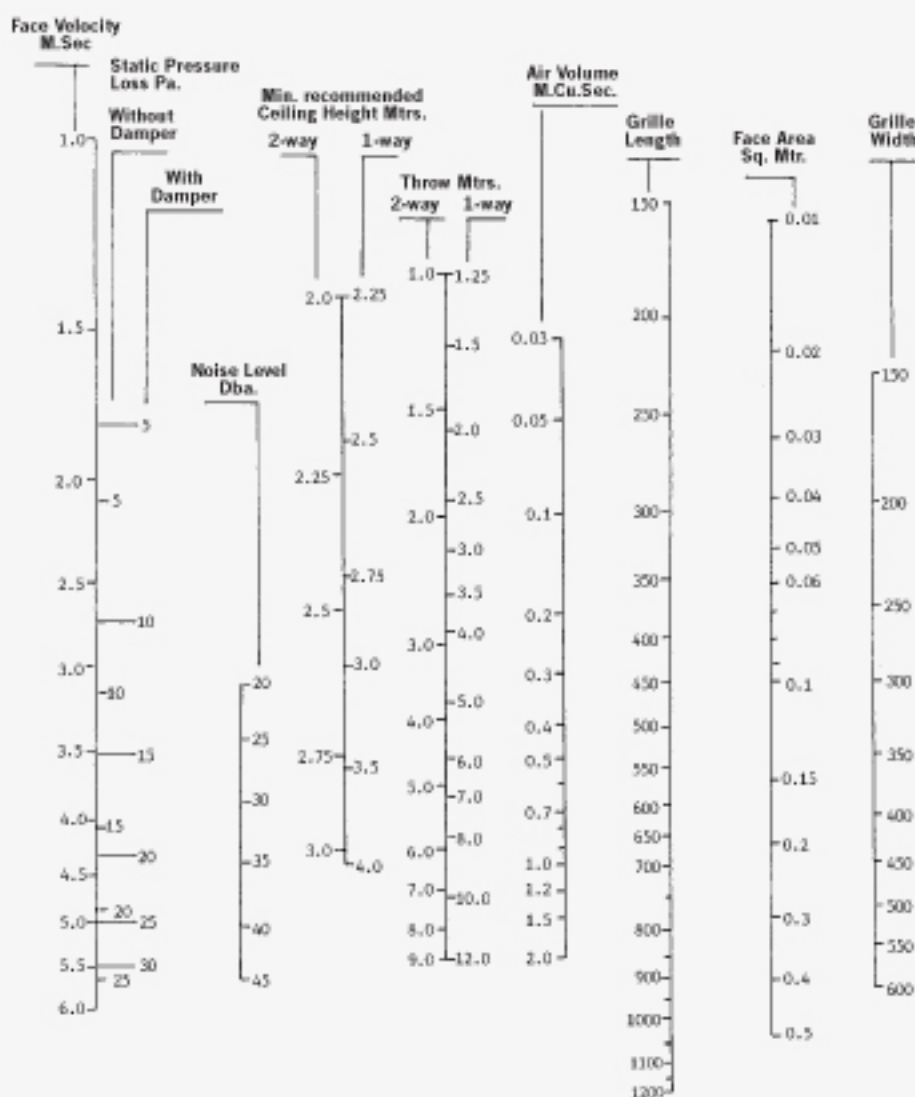
Since louvres and flange facing are fitted individually, they may of the same colour or the flange can be a different colour to the louver. ie. White flange - Black louvres

Volume control dampers can be fitted behind each grille, should this be required 'EF' should be added to the grille designation, a type 'CS2' would become type 'CS2/EF' when fitted with a damper.

Although possessing excellent non-corrosive properties in their standard form, this can be enhanced further when grilles are installed in corrosion causing atmospheres, by polyester powder coating the zinc coated casings prior to assembly of the plastic extruded sections and the damper unit (if fitted) similarly treated with all moving parts manufactured in stainless steel.

## SIZE SELECTION

Types CS1 and CS2



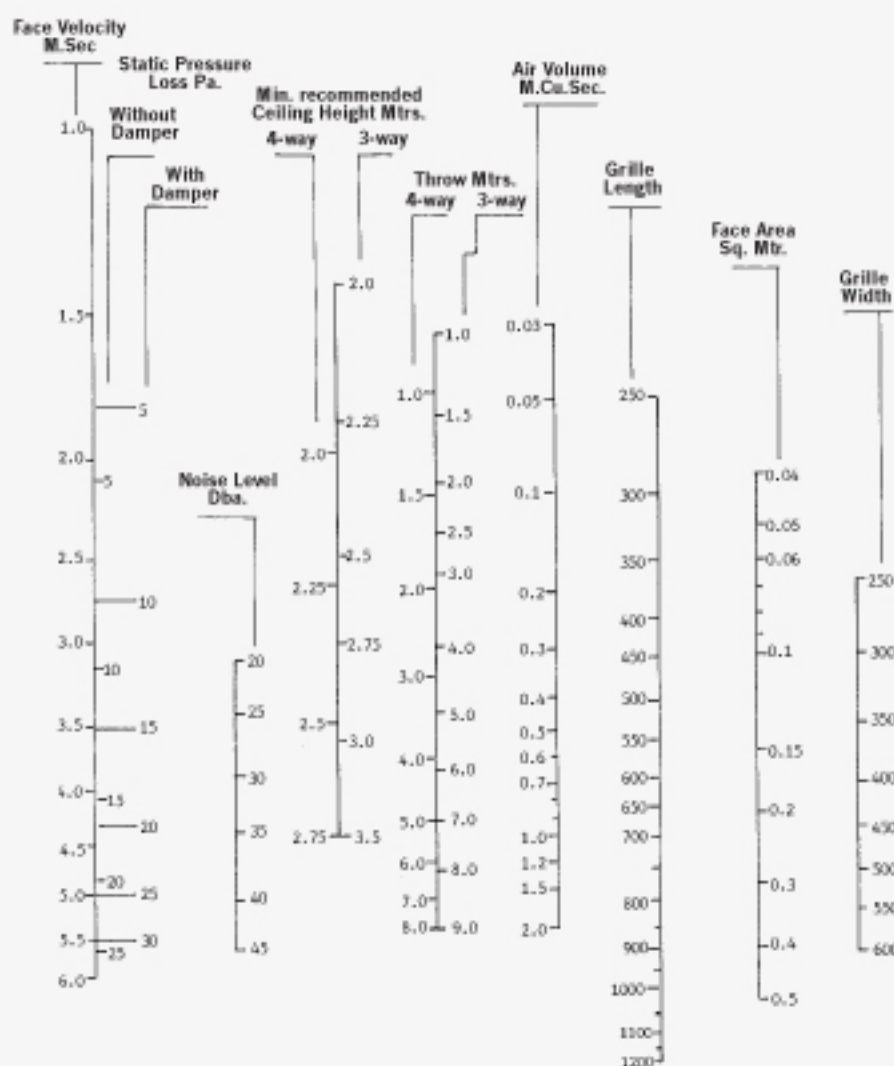
Assuming that the Air Volume and Forward Throw (either 1-way or 2-way) are the known factors, from the above nomogram, place a rule intersecting these factors, read off Face Velocity, Static Pressure Loss, Noise Level and the Free Area of grille to fulfill those conditions.

Pivoting the rule about the Free Area determined, the Grille Length and Width can be read off.



## SIZE SELECTION

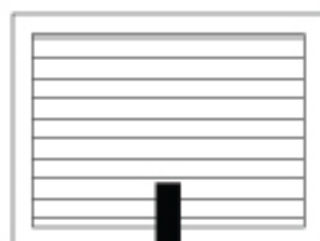
Types CS3 and CS4



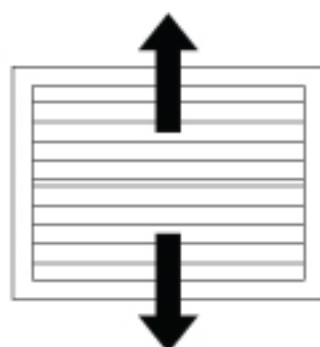
Assuming that the Air Volume and Forward Throw (either 3-way or 4-way) are the known factors, from the above nomogram, place a rule intersecting these factors, read off Face Velocity, Static Pressure Loss, Noise Level and the Free Area of grille to fulfill those conditions.

Pivoting the rule about the Free Area determined, the Grille Length and Width can be read off.

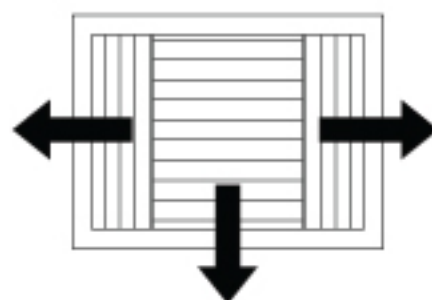
## *Type CS Air Supply Grilles*



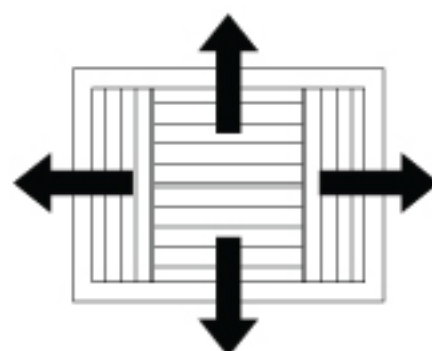
*Type CS1*



*Type CS2*



*Type CS3*



*Type CS4*