



Monodraught are the recognised market leaders in ultra-low carbon, low energy solutions for Natural Ventilation, Natural Cooling and Natural Lighting.

WINDCATCHER[®], **SUNPIPE**[®] and **COOL-PHASE**[®] brands are synonymous with quality and innovation (ISO9001 & 14001) and are supported by our market leading design service.

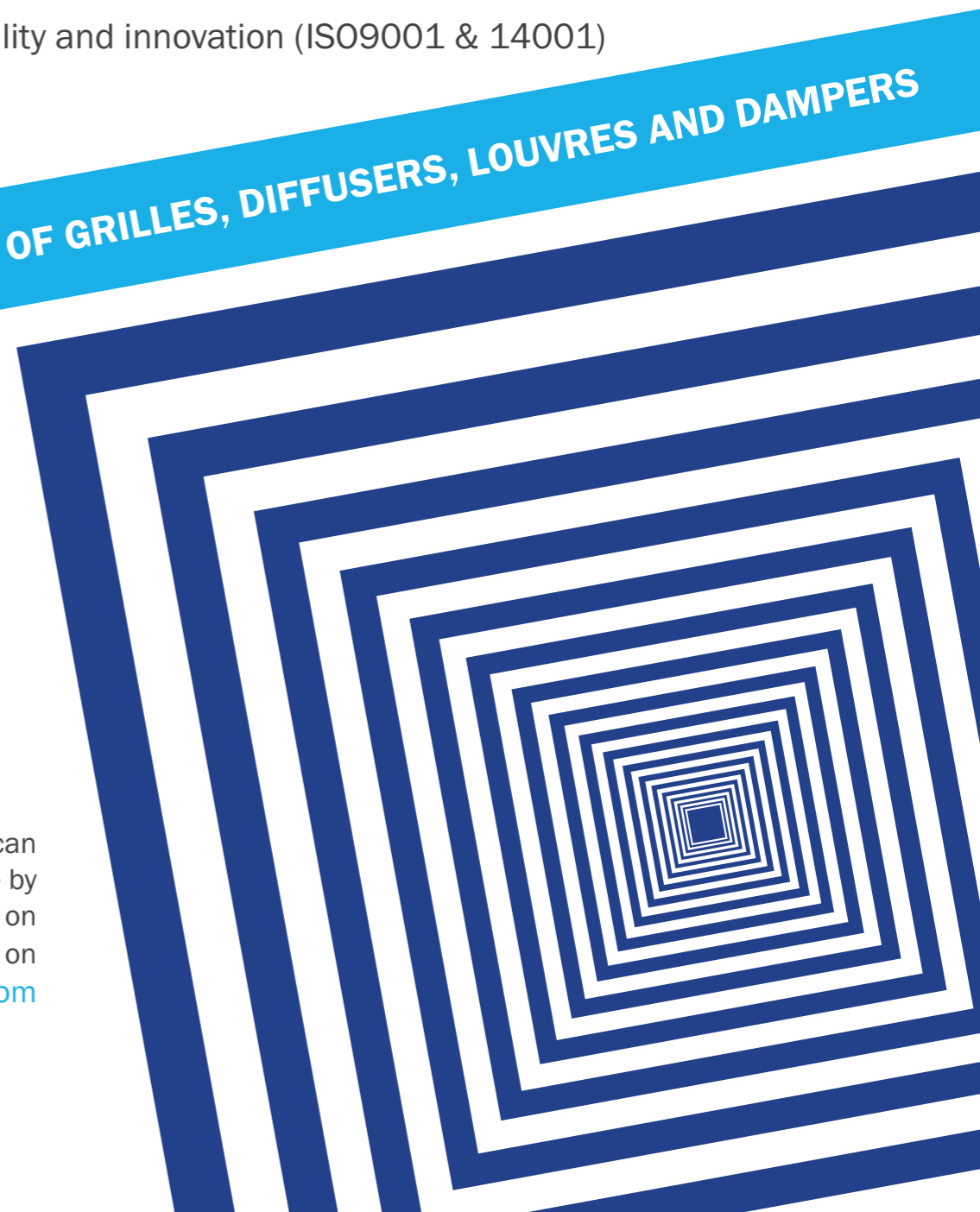
Air-Precision is an addition to Monodraught's portfolio including grilles, diffusers, external louvres and volume control dampers.

PRODUCT RANGE OF GRILLES, DIFFUSERS, LOUVRES AND DAMPERS

We are supporting this range with:

- £1 million of fast moving stock
- Bespoke manufacture with any standard RAL colour within 5 days
- 15 dedicated selection experts
- Designed with industry leading software
- Belimo actuators used throughout
- AA5 anodisation (ISO7599) utilised
- Market leading quality fully supported by a **10 year guarantee**

We are confident that we can beat any quotation you have by 10% so please contact us on **01494897700** or email us on air-precision@monodraught.com



Curved Blade Grilles - CB



Designed primarily as a supply diffuser, Series CB curved blade grilles provide an unconventional appearance with excellent diffusion capabilities, allowing narrow or wide throws to be created, in multiple directions.

Available in 5 throws formats and with a range of options including opposed blade dampers and concealed fixings.

Materials:

- Extruded aluminium frame and blades

Size:

- Minimum: 100 mm x 50 mm (CB1 Only)
- Maximum single unit: 2900 mm x 2900 mm

Series:

- CB1: Curved blade grille - 1 way blow
- CB20: Curved blade grille - 2 way opposed blow
- CB2C: Curved blade grille - 2 way corner blow
- CB3: Curved blade grille - 3 way blow
- CB4: Curved blade grille - 4 way blow

Finish:

- SAA: Satin anodised (standard)
- Mill aluminium
- RAL: Polyester powder coated to RAL
- BS: Polyester powder coated to BS



Damper (optional):

- D: Opposed blade damper fitted

Frame

- 32BS: 32 mm Small bevelled frame (standard)
- 25F: 25 mm Flat frame (recommended for lay in ceiling systems)
- SML: Surface mounted

Mass/m² face area:

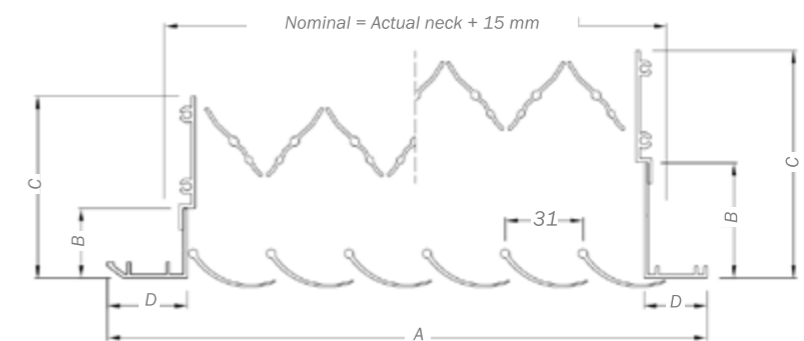
- 8.5 kg
- 16.5 kg including opposed blade damper

Free Area:

- Approx. 90% maximum

Frame Type:

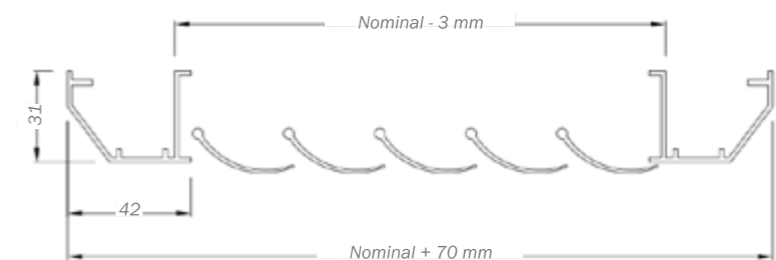
- Standard:



32BS: 32 mm bevelled small	
A	Nominal + 45 mm
B	28 mm
C	72 mm
D	32 mm

25F: 25 mm flat	
A	Nominal + 30 mm
B	46 mm
C	90 mm
D	25 mm

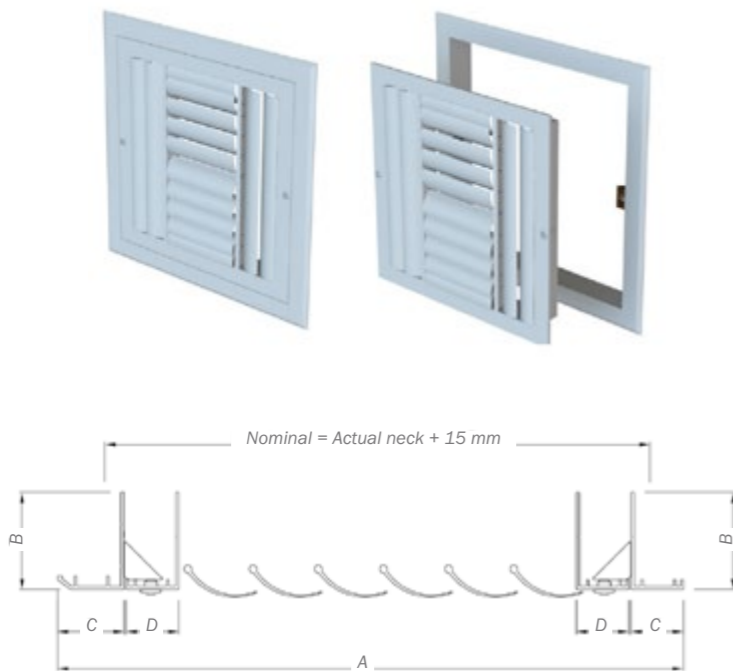
- SML Surface Mounted (optional):



Curved Blade Grilles - CB

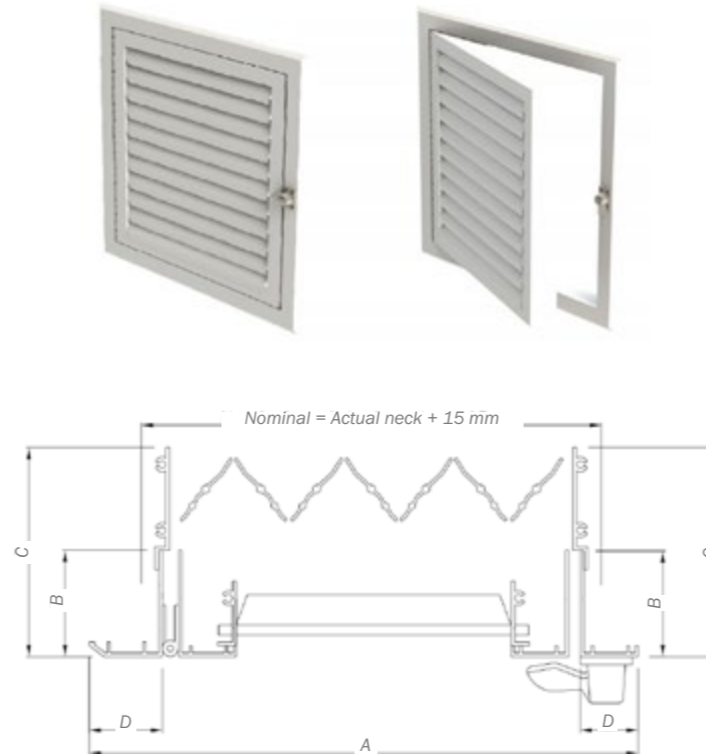
Core Type:

- **Fixed**
- **RC Removable Core:**
Fitted with spring loaded quarter turn fasteners, the outer frame has angle brackets fixed to the inside of the neck.
The inner removable frame holds the chrome plated, slotted head studs, for removal with a flathead screwdriver.
Other stud types are available for use with allen keys, or with a larger head for removal by hand.



32BD: 32 mm bevelled large		25F: 25 mm flat	
A	Nominal + 45 mm	A	Nominal + 30 mm
B	46 mm	B	46 mm
C	32 mm	C	25 mm
D	25 mm	D	25 mm

- **HC Hinged Core:**
Enabling the core to hinge outwards may be preferable to it being fully removable. The full length piano hinge at one side is discreet and gives minimal loss of core area. The inner core is held in place by a chrome plated cam fastener as standard, bolts are optional.

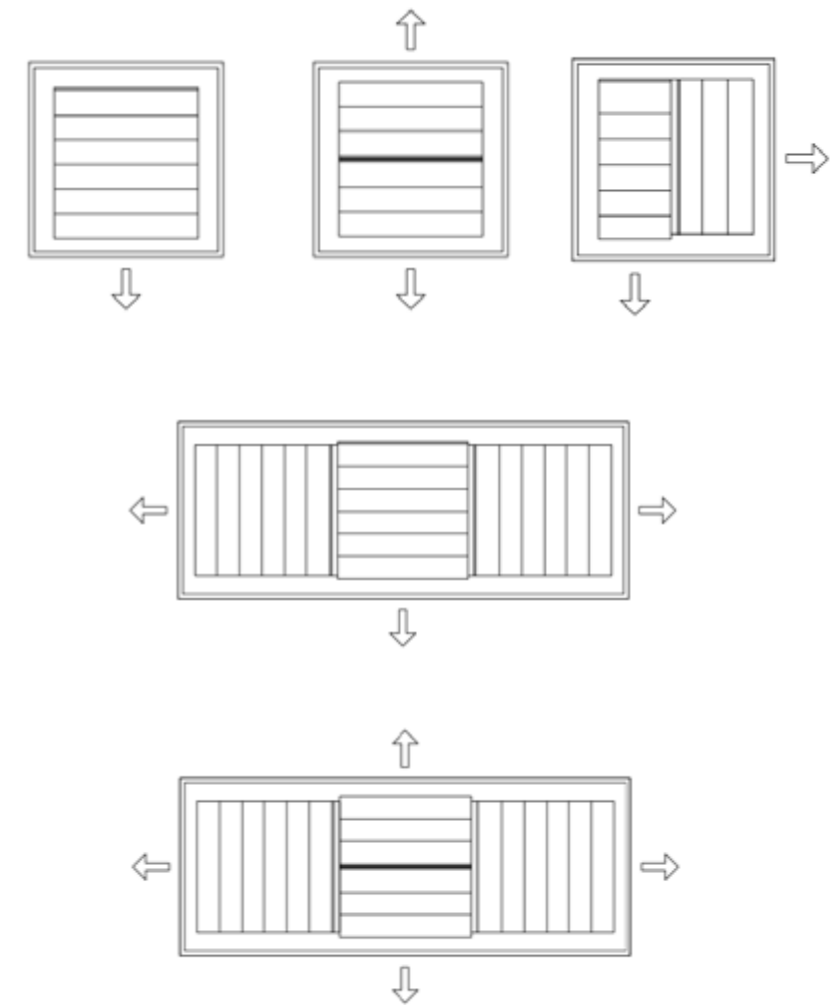


32BD: 32 mm bevelled large		25F: 25 mm flat	
A	Nominal + 45 mm	A	Nominal + 30 mm
B	46 mm	B	46 mm
C	90 mm	C	90 mm
D	32 mm	D	25 mm

Blow Patterns:

Series CB curved blade grilles are available with the following blow patterns:

- **CB1:** 1 Way
- **CB20:** 2 Way opposed
- **CB2C:** 2 Way corner
- **CB3:** 3 Way
- **CB4:** 4 Way

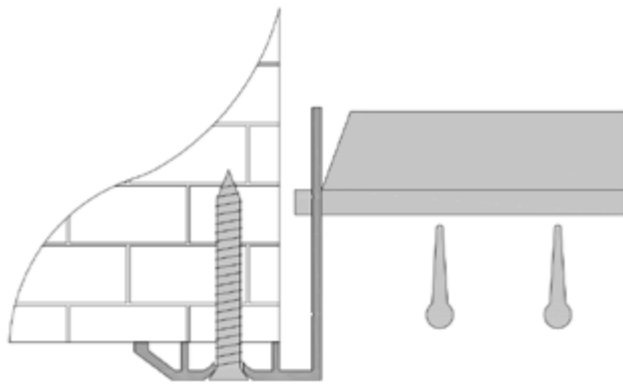


Curved Blade Grilles - CB

Fixings:

FH Countersunk fixing holes:

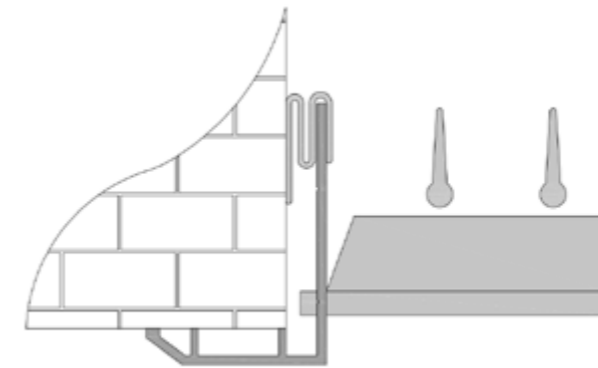
Countersunk fixing holes in the grille frame are the easiest fitting method. Screws in the same finish are supplied with the grille.



PC Push-in-clips:

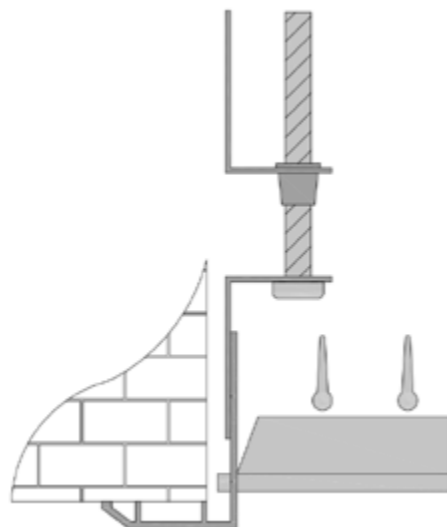
These sprung clips are compressed when the grille is pushed into place. The outward force provided then holds the grille securely in place.

This fixing method is not suitable for use in ceilings.



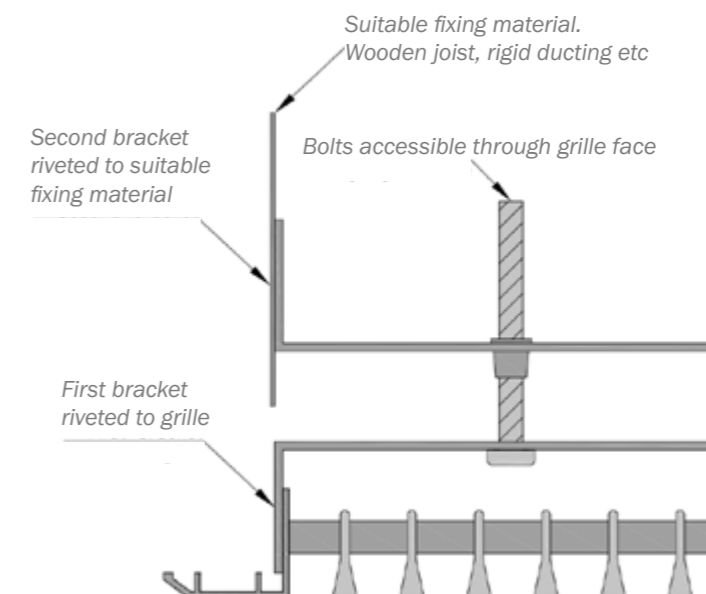
CF Concealed fixings:

Consisting of L brackets with threaded ports, one L bracket is fixed into the ductwork or plenum, the other is riveted to the rear of the grille frame. Supplied bolts are then used to hold the grille into the supporting structure.



GB Goalpost brackets:

Enables the grille's removal by accessing bolts through the face.

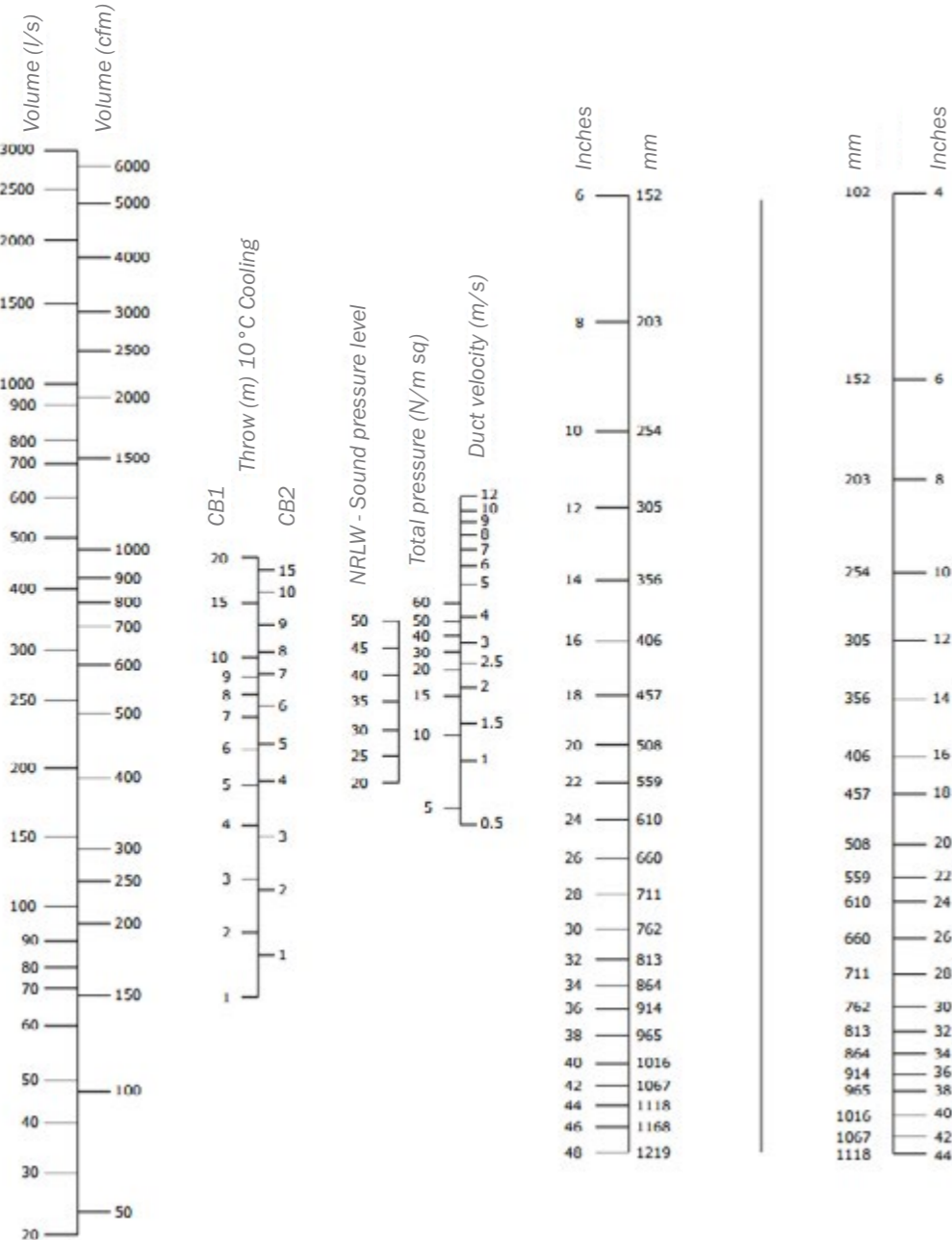


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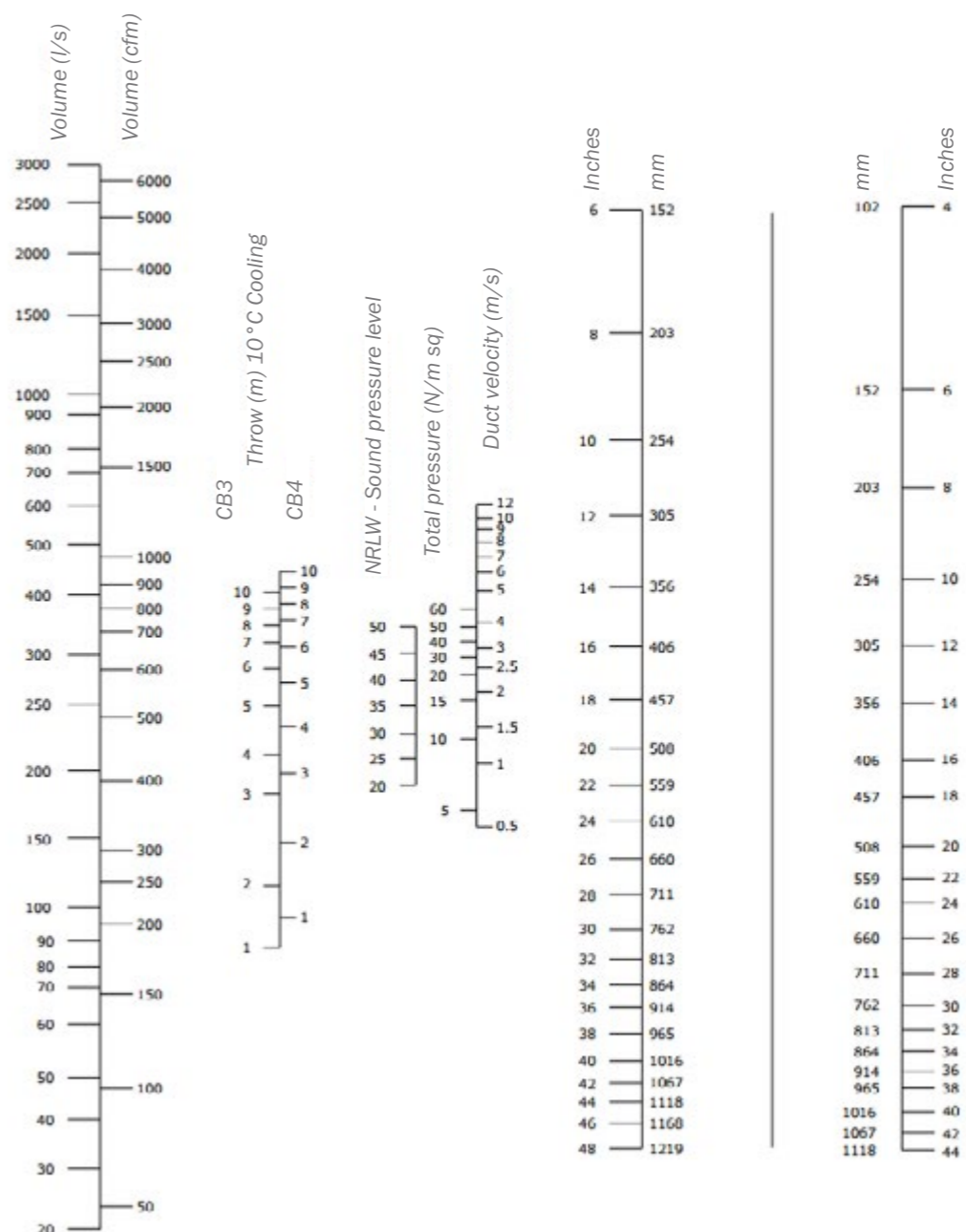
Selection data


CB1 and CB2:


Throw values based on ceiling application.
 Sound and pressure levels based upon supply with dampers fully open. Without dampers subtract 2dB and multiply total pressure by 0.9.
 For isothermal applications increase throw values by 25%





CB3 and CB4:



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