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McKenzie Martin

Louvres & Ventilation Systems

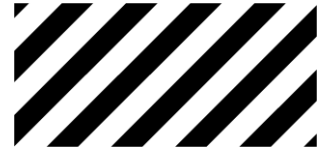
Louvres



Fabricated Louvre Systems
Fixed Blade Louvres

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Fixed Blade Louvres



Product Details

Description

The Fixed Blade Louvre is designed to act as a ventilation source either for inlet air or exhaust. Individual units contain louvre blades which are mounted into robust box frames. Offered as single units or alternatively they may be joined together to form banks of unlimited height and width.

All units are suitable for mounting into cladding, glazing and brickwork with flanges formed to suit any mounting detail.

Design

- Our Fixed Blade Louvres are manufactured from sheet Aluminium, 0.9mm Plasticsol sheets or 0.9mm galvanized mild steel
- Available as single units or continuous runs to suit plant screening
- Welded mitred corners to give sharp aesthetic appearance.
- Louvre blades have been designed to achieve maximum weather protection whilst maintaining an efficient airflow.

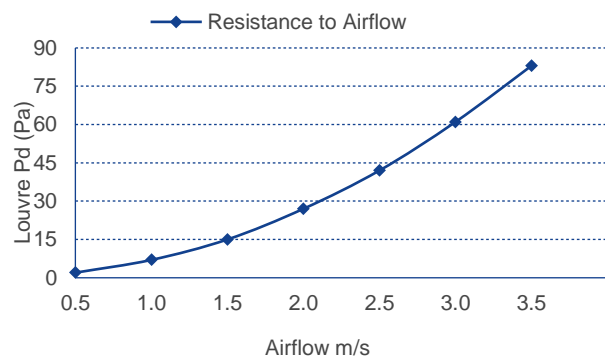
Applications

- Intake/extract louvres for industrial or commercial buildings
- Louvred doors to internal spaces
- Louvred turrets (please see our Turrets brochure for further details)

Technical Information

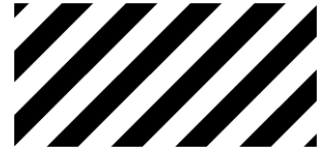
Aerodynamic Performance

Pressure drop with standard bird mesh fitted.

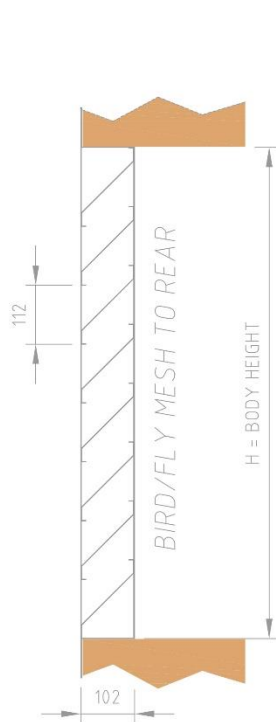


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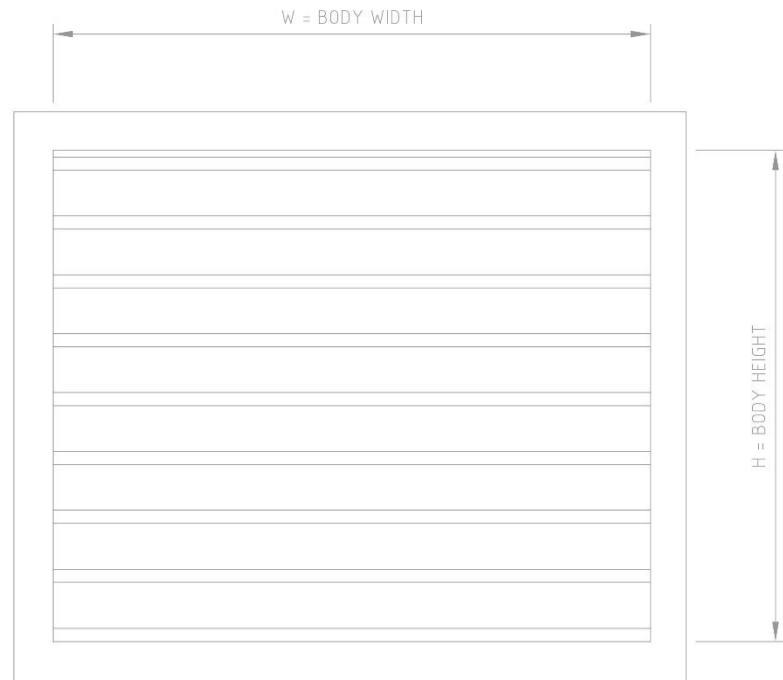
Fixed Blade Louvres



Standard Details



Vertical Section Through
Fixed Blade Louvre 112



Elevation View
Fixed Blade Louvre 112

System Options:

The main body of the system can be fabricated from 1.2mm Aluminium Sheet, 0.9mm Plastisol or 0.9mm galvanized Mild Steel.

The units can be provided in Mill Finish Aluminium, Polyester Powder Coated or Marine Grade Polyester Powder Coated and fitted with an optional Bird mesh (1.2mm expanded aluminium alloy, diamond mesh size 12.35mm x 35.05mm) or Insect mesh (perforated expanded aluminium alloy, diamond mesh size 3.5mm x 2mm)

Single skin 1.5mm aluminium or Double skin insulated or acoustic 1.5mm aluminium blanking plates are also available if required

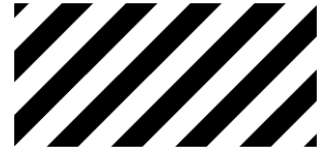
Size, free area & weight

Louvre units can be manufactured to bespoke sizes to suit most requirements, larger non-standard sizes are manufactured in multiple sections for site assembly by installer. Standard units have an approximate weight of 11 kg/m²

The system provides a free area of 48-50% and a Coefficient of Discharge of 0.298



Fabricated Louvre Systems Fixed Blade Louvres



Specifications

Fixed Blade Louvre 112 – L10 NBS Spec

Product Reference: Fixed Blade Louvre 112

Description: A fabricated fixed blade louvre suitable for industrial/commercial applications

Louvre Blade Pitch: 112mm

Overall Depth: 102mm

Measured Free Area: 48%-50%

Coefficient of Discharge: 0.298

Material: 1.2mm Aluminium 1050A H14 / 0.7mm hot dip galv, plastic coated one side (Plastisol) / 0.7mm hot dip galv, plastic coated both sides (Plastisol) / 0.9mm galvanised mild steel

Finish: Mill Finish Aluminium / Polyester Powder Coated / Marine Grade Polyester Powder Coated / Leathergrain, Standard stock colour (Plastisol) / Galvanised

Mesh: Aluminium bird diamond mesh 35 x 12 / Aluminium fly diamond mesh 3.5 x 2

Blanking Plates: None / Single skin 1.5mm aluminium / Double skin insulated or acoustic 1.5mm aluminium

Fixing: Louvres to be installed in line with manufacturer's instructions by a competent installer



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