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McKenzie Martin

Louvres & Ventilation Systems

Louvres

Maximair Louvre Systems
A Series Weather Louvres



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Description

The Maximair A Series Louvre is an extruded natural ventilation system with integrated water rejection features to provide enhanced weather protection while still allowing fresh air into an internal space.

Combining advanced aerodynamic design & BSRIA proven weather protection the A Series Louvre offers a premium quality, highly efficient solution to providing natural ventilation to a wide variety of educational, commercial & industrial applications.

Design

- A Series Louvres are manufactured from aluminium extrusions grade 6063 T6 to BS 1474.
- Welded mitred corners to give sharp aesthetic appearance.
- Louvre blades have been designed to achieve maximum weather protection whilst maintaining an efficient airflow.

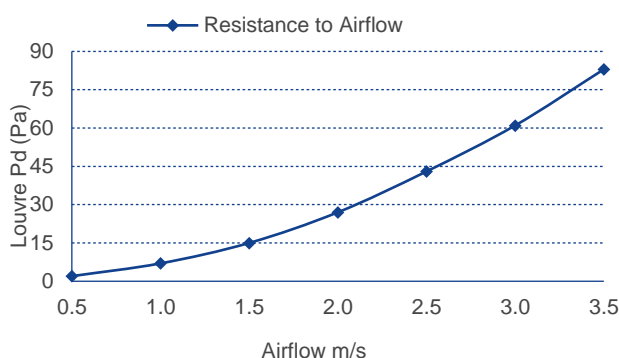
Applications

- Intake/extract louvres requiring enhanced water/weather rejection
- Louvred doors to internal spaces
- Louvred turrets (please see our Turrets brochure for further details)

Technical Information

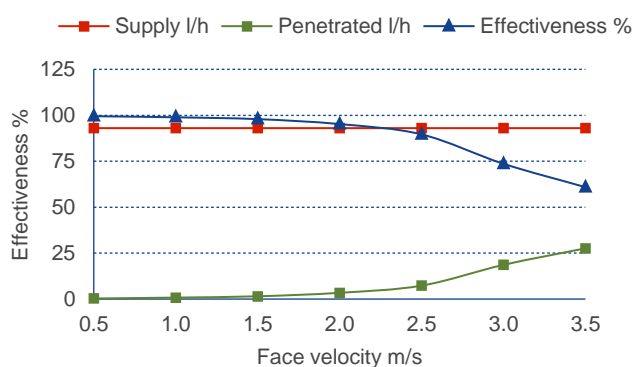
Aerodynamic Performance

Pressure drop with standard bird mesh fitted.



Rain Defence

The A Series louvre system has been tested by BSRIA to EN 13030 : 2002 and achieves Class 'A' weather protection at 13m/s wind velocity with an average rainfall of 75mm/hr.



Class "A"
Weather
Protection

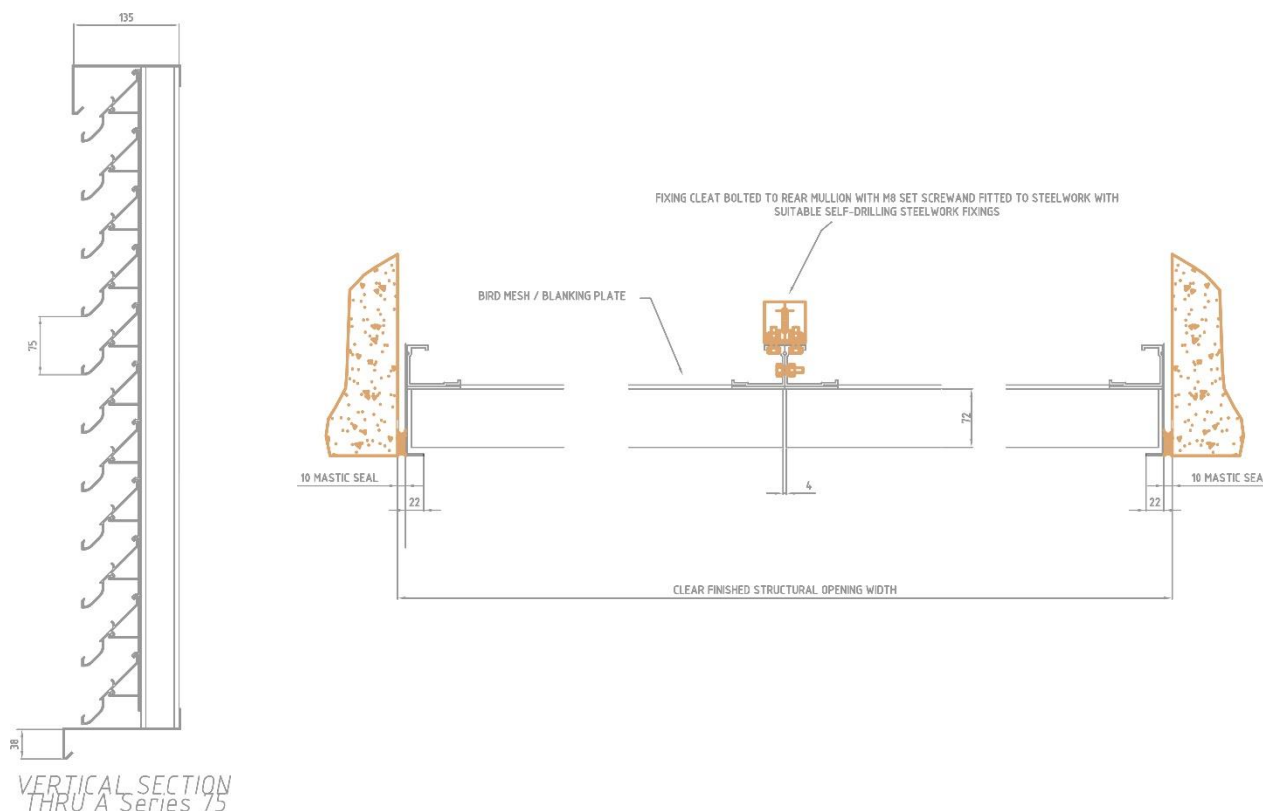


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Standard Details



System Options:

The main body of the A Series system is made from extruded Aluminium grade 6063-T6 with the flanges and external boxes produced from 1.2mm Aluminium Sheet.

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

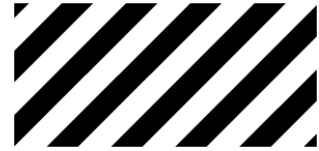
Size, free area & weight

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 14.5kg/m²

The system provides a free area of 48% and a Coefficient of Discharge of 0.32



Maximair Louvre Systems A Series Weather Louvres



Specifications



Maximair A Series Louvre – L10 NBS Spec

Manufacturer: McKenzie Martin Ltd,

Product Reference: Maximair A Series Weather Louvre

Description: High performance weather louvre, A-rated in BSRIA testing and suitable for architectural purposes.

Louvre Blade Pitch: 75mm

Overall Depth: 135mm (with 50mm mullion)

Measured Free Area: 48%

Coefficient of Discharge: 0.32

Material (Louvre Blades, Clips and Mullions): Extruded aluminium grade 6063-T6

Material (Flanges and External Boxes): 1.2mm Aluminium 1050A H14
Construction: Pre-built modules / Component form for on-site assembly.
Finish: Mill Finish Aluminium / Polyester Powder Coated / Marine Grade Polyester Powder Coated

Mesh: Bird guard 1.2mm expanded aluminium alloy, diamond mesh size 12.35mm x 35.05mm / Insect mesh perforated expanded aluminium alloy, diamond mesh size 3.5mm x 2mm

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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For more information or to speak to one of our sales advisors call 0161 723 2234 or email sales@mckenziemartin.co.uk

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