

0161 723 2234 sales@mckenziemartin.co.uk

www.mckenziemartin.co.uk



McKenzie Martin

Louvres & Ventilation Systems

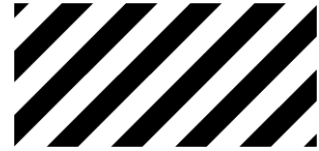
Louvres

Fabricated Louvre Systems
Clearvent Roof Louvres



Fabricated Louvre Systems

Clearvent Roof Louvres



Product Details

Description

The Clearvent Roof Louvre is designed to act as a controllable ventilation source for either inlet or exhaust. Individual units contain moveable, louvre blades which are mounted into robust frames. Offered as single units which can be mounted directly into pitched or flat roofs and northlights with flanges formed to suit any mounting detail.

Design

- Our Clearvent Louvres are manufactured from sheet Aluminium or 0.9mm galvanized mild steel
- Available as single units
- Integrated drains and overlapping blades to shed water when closed

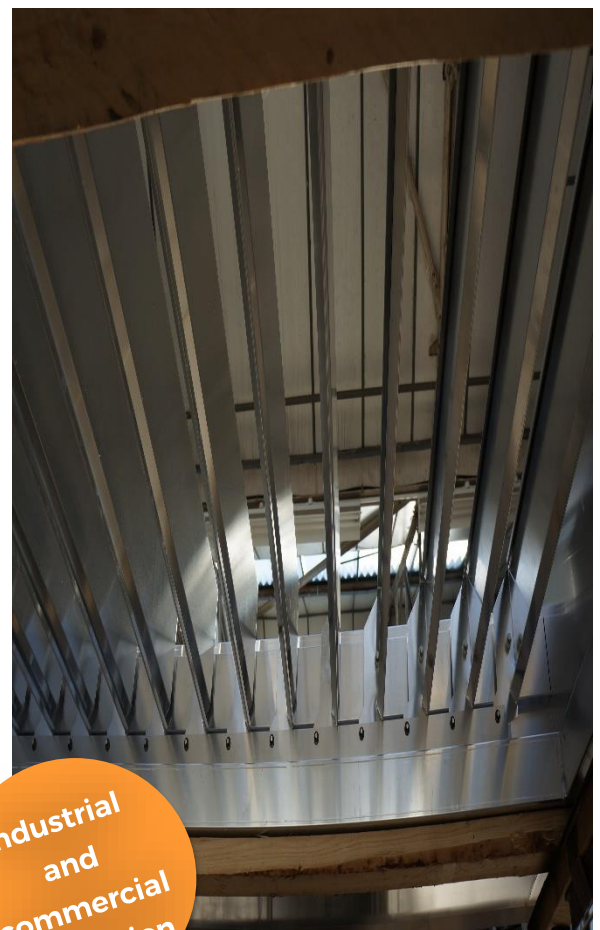
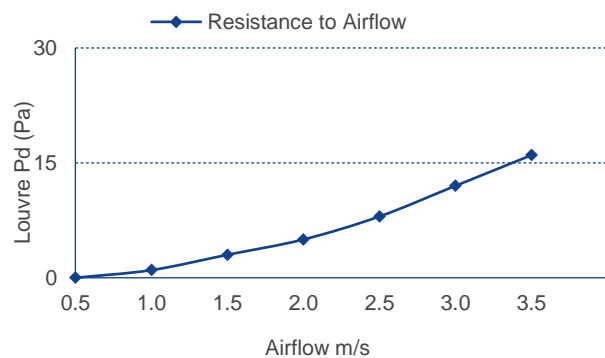
Applications

- Intake/extract louvres for industrial or commercial buildings
- Balance louvres for building management systems or thermal release purposes

Technical Information

Aerodynamic Performance

Pressure drop with standard bird mesh fitted.

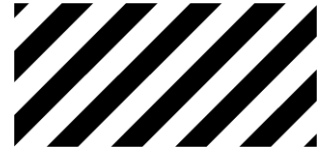


Industrial
and
commercial
ventilation

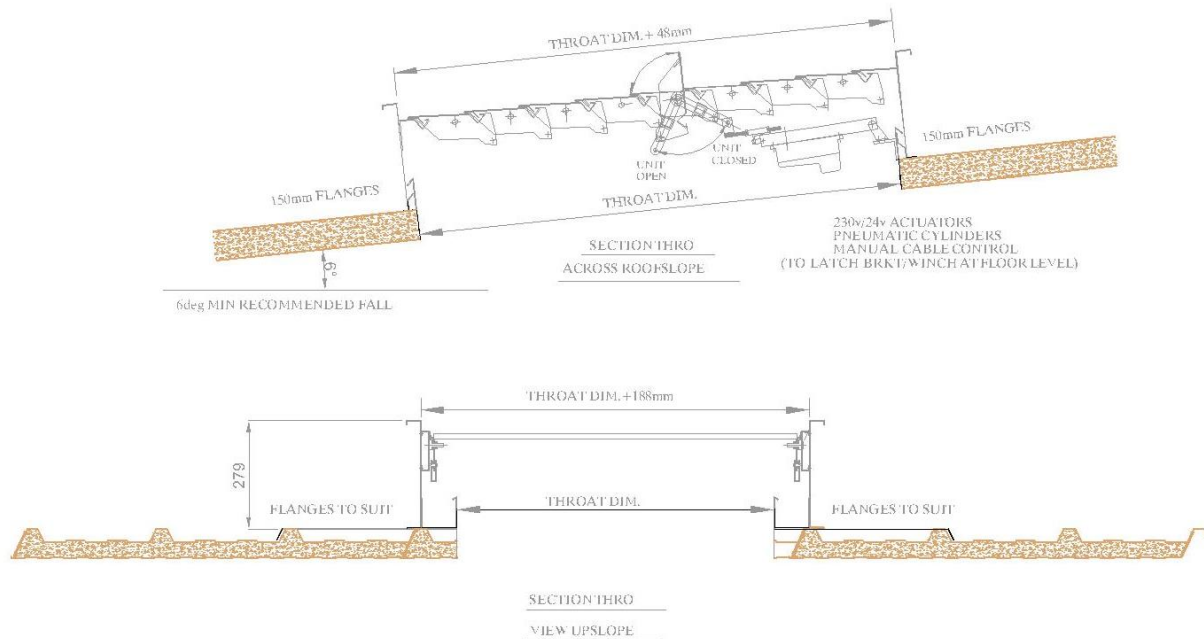


Fabricated Louvre Systems

Clearvent Roof Louvres



Standard Details



System Options:

The main body of the system can be fabricated from 1.2mm Aluminium Sheet 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)

Operation

Our operating units can be provided with the following modes of actuation;

- Manual (Hand operated, Cable to low level, Cable to Winch, Pole Operation)
- Pneumatic Actuation
- Electrical Actuation (230v, 24v)

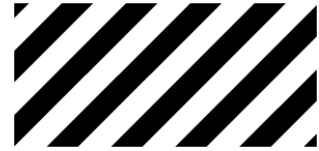
Size, free area & weight

Louvre units can be manufactured to bespoke sizes to suit most requirements. Standard units have an approximate weight of 21 kg/m²

The system provides a free area of 70% when fully opened and a Coefficient of Discharge of 0.68



Fabricated Louvre Systems Clearvent Roof Louvres



Specifications

Clearvent Roof Louvre – L10 NBS Spec

Manufacturer: McKenzie Martin Ltd

Product Reference: Clearvent Roof Louvre

Description: Louvred roof mounted aluminium natural exhaust ventilator suitable for day-to-day environmental use. Interlocking louvre blades are fitted with energy conserving draught strips to reduce heat loss when closed. Ventilator construction to have integral rain discharge channels. Integral base skirt to fix down and flash to all types of building structures.

Construction: Manufactured using aluminium BS EN 485 alloy, louvre blades, internal drainage channels, control arms and actuators are secured to the main ventilator body.

Controls: Extended Manual: Nylon covered wire cable to clam cleat.
Extended Manual: Nylon covered wire cable to winch operator.
Pneumatic single acting with spring return or double acting.
Electric actuation in 24V dc or 230V ac.

Accessories: Internal closure trim flashings.
Bird guards – 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.
Security guards – 1.6mm stainless steel, square mesh sizes 5.8mm x 5.8mm.
Extended base flanges.

Technical Information:- Aerodynamic coefficient of 0.68 to be used to check project suitability by the Project Mechanical Consultant.

Design: All design details/specifications are to be approved by Architect/Agent before manufacture.



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McKenzie Martin Ltd. Eton Hill Works.

Eton Hill Road, Radcliffe, Manchester. M26 2US

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

www.mckenziemartin.co.uk

