



# McKenzie Martin

Louvres & Ventilation Systems

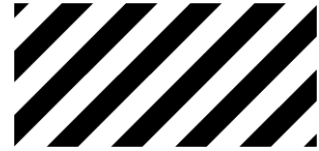
Louvres

Fabricated Louvre Systems  
Operating Box Louvres



## Fabricated Louvre Systems

# Operating Box Louvres



### Product Details

#### Description

The Operating Box 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 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 Operating Box Louvres are manufactured from sheet Aluminium, 0.9mm Platisol sheets or 0.9mm galvanized mild steel
- Available as single units or continuous runs to suit plant screening
- Louvre blades have been designed to achieve maximum weather protection whilst maintaining an efficient airflow.

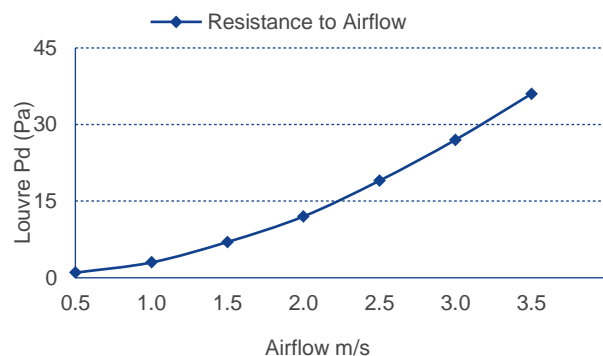
#### Applications

- Intake/exhaust louvres for industrial or commercial buildings
- Louvred doors to internal spaces

### Technical Information

#### Aerodynamic Performance

Pressure drop with standard bird mesh fitted.

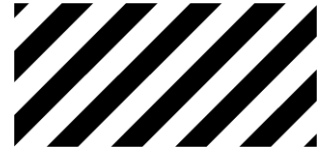


Industrial  
and  
commercial  
ventilation

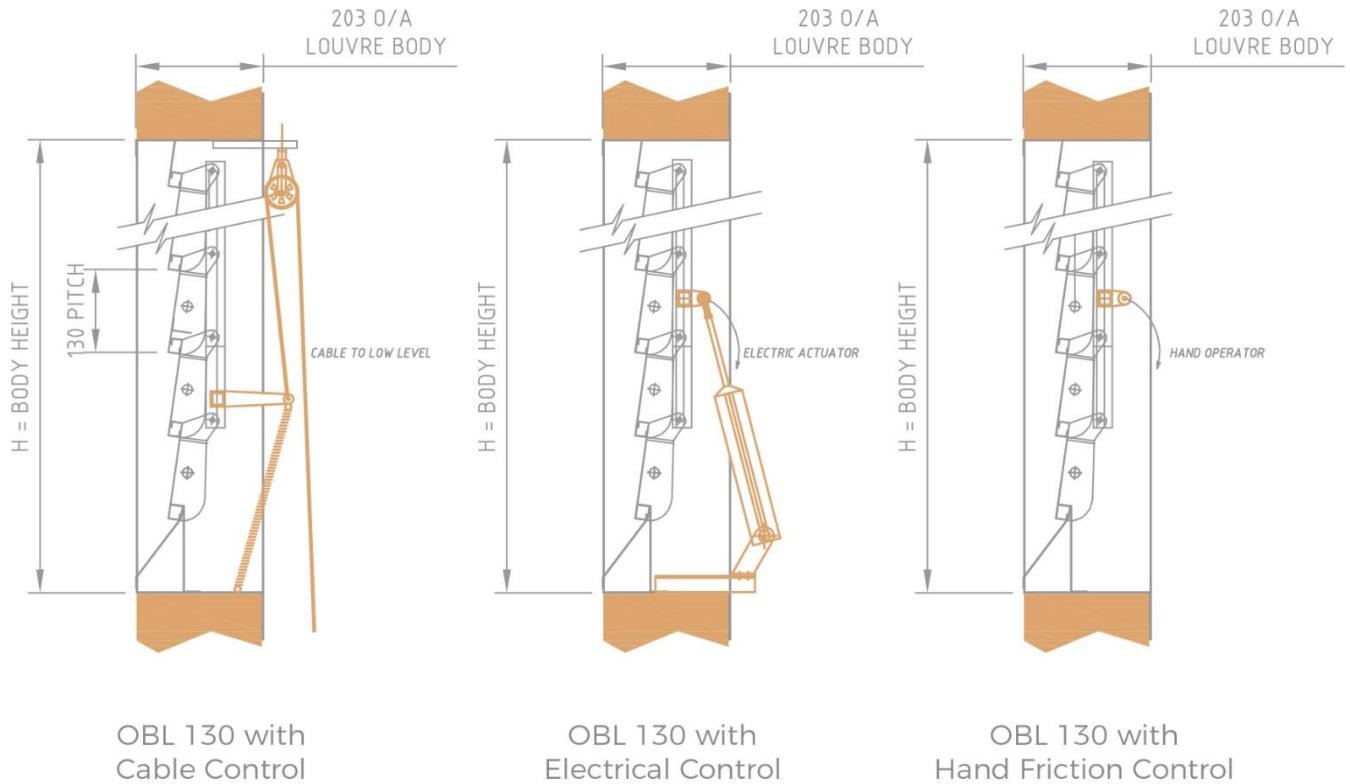


## Fabricated Louvre Systems

### Operating Box Louvres



#### Standard Details



#### 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

#### 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

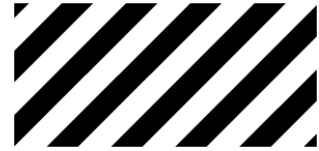
Louvre units can be manufactured to bespoke sizes to suit most requirements, larger non-standard sizes are manufactured in multiple sections for site assembly by installer. Standard units have an approximate weight of 15 kg/m<sup>2</sup>

The system provides a free area of 80% when fully opened and a Coefficient of Discharge of 0.45





## Fabricated Louvre Systems Operating Box Louvres



### Specifications

#### Operating Box Louvre 130 – L10 NBS Spec

**Manufacturer:** McKenzie Martin Ltd

**Product Reference:** Operating Box Louvre (OBL) 130

**Description:** Operating louvre with adjustable pivoting louvre blades

**Louvre Blade Pitch:** 130mm

**Overall Depth:** 203mm

**Measured Free Area:** 80% (Fully opened)

**Coefficient of Discharge:** 0.45

**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

**Method Of Operation:** Manual Friction Loaded, Hand Operation / Manual Friction Loaded, Pole Operation / Cable operation to Clam Cleat / Cable operation to Winch / Pneumatic Actuation / 230v Actuator / 24v Actuator

**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](mailto:sales@mckenziemartin.co.uk)

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