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# McKenzie Martin

Louvres & Ventilation Systems

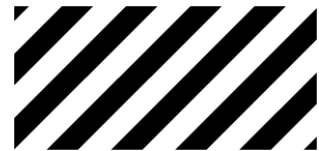
Louvres

Natural Ventilation Louvre Systems  
Louvred Doors



## Natural Ventilation Louvres

# Louvred Doors



### Description

Our range of Louvred Doors can be produced from any of the Louvre systems which we have on offer. Available in Single and Double Leaf configurations with additional panels to top/sides if required.

### Design

- Door Frames are manufactured from aluminium extrusions grade 6063 T6 to BS 1474.
- Welded frame construction to provide better stability
- Louvre blades have been designed to achieve maximum weather protection whilst maintaining an efficient airflow.

### System Options

- Single or Double doors available in custom widths & heights
- Additional Louvre Panels
- Intake/extract louvres requiring enhanced water/weather rejection
- Acoustic Louvres of various depths for advanced sound attenuation
- Birdmesh
- Flymesh
- Blanking plates (single skin or insulated)
- Standard Door furniture includes: stainless steel hinges, euro-profile cylinder lock c/w internal turn & external 'D' handles
- Custom ironmongery available on request

### Finishes

Louvred Doors can be supplied in a variety of finishes including

- Natural mill finish
- Polyester powder paint finishes (including Syntha Pulvin)
- Anodised effect paint to match standard Analok colours.

### Installation

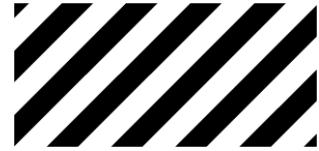
Louvre Doors are supplied with an external welded frame with each leaf having its own welded subframe. This allows for easy installation on site as the external frame can be fixed to the building fabric with the leaves being hung afterwards. Using the hinges provided.



Extruded,  
Acoustic or  
Fabricated  
options



## Natural Ventilation Louvres Louvred Doors



### Size, free area & weight

Louvred Doors can be manufactured to bespoke sizes to suit most requirements. Due to the large number of systems which can be built into our doors please see the table on the following page for weight and free area information.

### Construction

Louvre blades are installed into a welded door frame and are supplied in a series of fully assembled modules. Alternatively larger units can be supplied in breakdown form to allow for easier handling/installation on site.

### System Materials:

The main body of the Door system is made from extruded Aluminium grade 6063-T6 with the blades produced from 1.2mm Aluminium Sheet or extruded Aluminium depending on your choice of louvre.

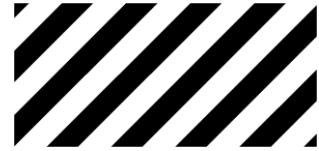
The units can be provided in Mill Finish Aluminium, Polyester Powder Coated or Marine Grade Polyester Powder Coated and fitted with an optional Bird mesh (1.2mm expanded aluminium alloy, diamond mesh size 12.35mm x 35.05mm) or Insect mesh (perforated expanded aluminium alloy, diamond mesh size 3.5mm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

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



## Natural Ventilation Louvres

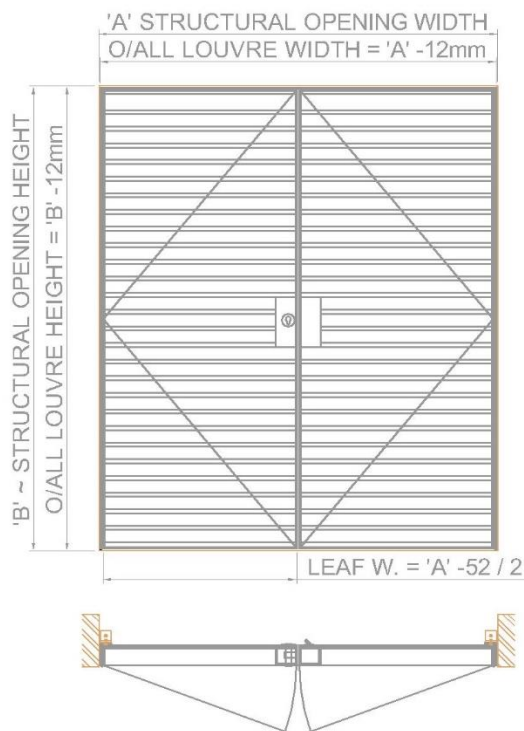
## Louvred Doors



### Technical Details

Louvre System	Weight per m <sup>2</sup> (approx.)	Cd	Free Area
A Series 75mm	14.5kg	0.32	48%
Maximair 50mm	19kg	0.235	49%
Maximair 75mm	17kg	0.328	43%
Maximair 100mm	16kg	0.353	59%
50mm Chevron	19kg	0.127	48%
100mm Acoustic	30kg	0.223	33%
150mm Acoustic	35kg	0.227	34%
300mm Acoustic	44kg	0.278	30%
Fixed Box Louvre 112	11kg	0.298	48%-50%

### Standard Details



#### Maximair Louvre Double Door

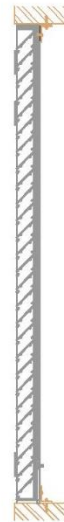
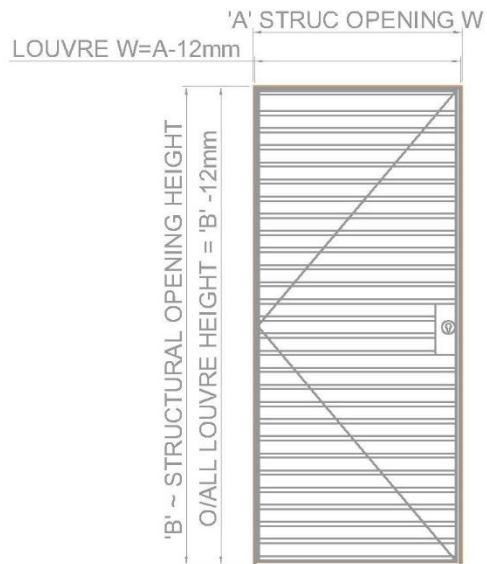
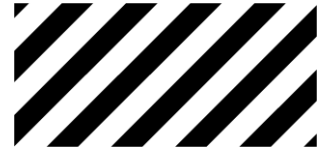
Our standard double door is produced at 1800mm wide x 2100mm high.

The doors come equipped with standard ironmongery to include stainless steel hinges, euro-profile cylinder lock c/w internal turn, shoot bolts to the second leaf & external 'D' handles where required.



## Natural Ventilation Louvres

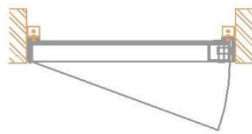
### Louvred Doors



#### Maximair Louvre Single Door

Our standard single door is produced at 900mm wide x 2100mm high.

The doors come equipped with standard ironmongery to include stainless steel hinges, euro-profile cylinder lock c/w internal turn & external 'D' handles where required.

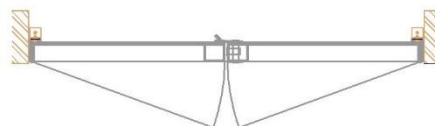
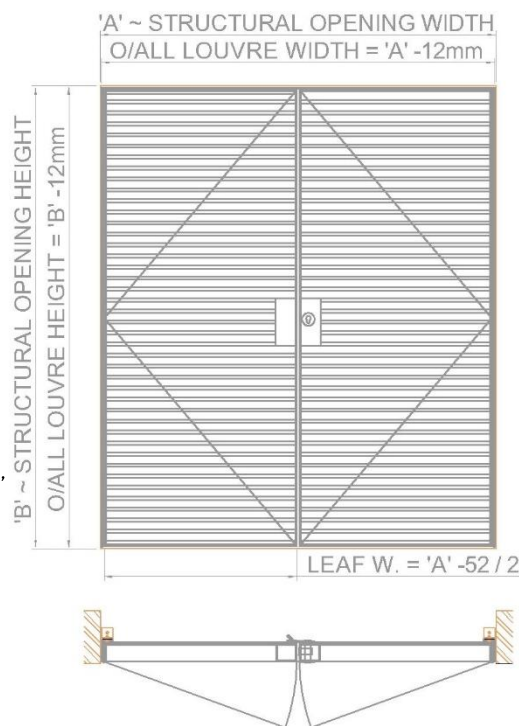


#### Chevron Louvre Double Door

Our standard double door is produced at 900mm wide x 2100mm high.

Alternative options include Chevron, Fabricated Fixed Louvres, Weather rated systems and Acoustic Louvres

The doors come equipped with standard ironmongery to include stainless steel hinges, euro-profile cylinder lock c/w internal turn, shoot bolts to the second leaf & external 'D' handles where required.



## Natural Ventilation Louvres Louvred Doors



### Specifications

#### Louvred Door – L10 NBS Spec

**Manufacturer:** McKenzie Martin Ltd.

**Product Reference:** Louvred Door

**Description:** High performance Louvred Doors, available in architectural, fabricated and acoustic models.

**Louvre Blade Pitch:** Various (50mm, 75mm, 100mm)

**Overall Depth:** Varies (please see individual produce data sheets)

**Measured Free Area:** Varies (please see individual produce data sheets)

**Coefficient of Discharge:** Varies (please see individual produce data sheets)

**Material** (Louvre Blades, Clips and Mullions): Extruded Aluminium grade 6063-T6, 1.2mm Aluminium 1050A H14

**Material** (Flanges and External Boxes): Extruded Aluminium grade 6063-T6

**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



**McKenzie Martin**  
Louvres & Ventilation Systems

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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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