

0161 723 2234

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

[www.mckenziemartin.co.uk](http://www.mckenziemartin.co.uk)



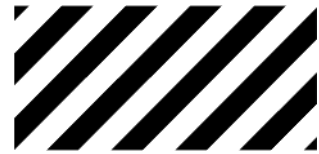
# McKenzie Martin

Louvres & Ventilation Systems

Louvres

Natural Ventilation Louvre Systems  
Thermac 2000

## Natural Ventilation Louvre Systems Thermac 2000 Louvres



### Product Details

#### Description

The Thermac 2000 Combination Louvre is designed to act as an energy efficient controllable unit for either inlet or exhaust natural ventilation applications. Thermac 2000 units consist of a BSRIA class 'A' rated weather louvre to the exterior with an ultra low leakage, thermally insulated & controllable damper to the inside. 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, curtain walling, glazing and brickwork with flanges formed to suit any mounting detail.

#### Design

- The Thermac 2000 Louvre is manufactured from extruded Aluminium sections for the exterior weather louvre and rigid uPVC having a U value of  $1.2\text{W/m}^2\text{K}$  for the internal control dampers
- Available as single units or continuous runs
- Integrated blade seals and stainless steel side seals and fittings
- $2.85\text{m}^3/\text{h}$  per  $\text{m}^2$  leakage at 50Pa exceeding the requirement of Part L – Building Regulations

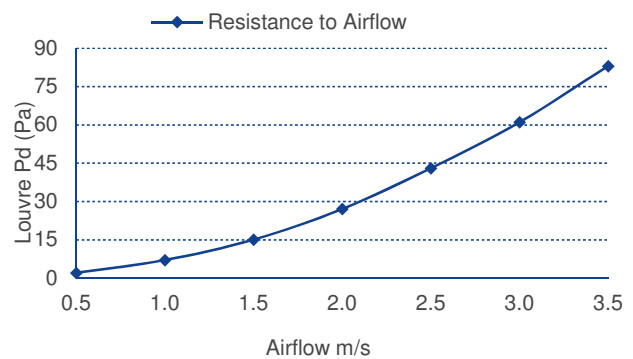
#### Applications

- Intake/extract louvres for offices, schools and other interior spaces buildings where thermal loss and draughts may be an issue
- Balance louvres for building management systems or thermal release purposes

### Technical Information

#### Aerodynamic Performance

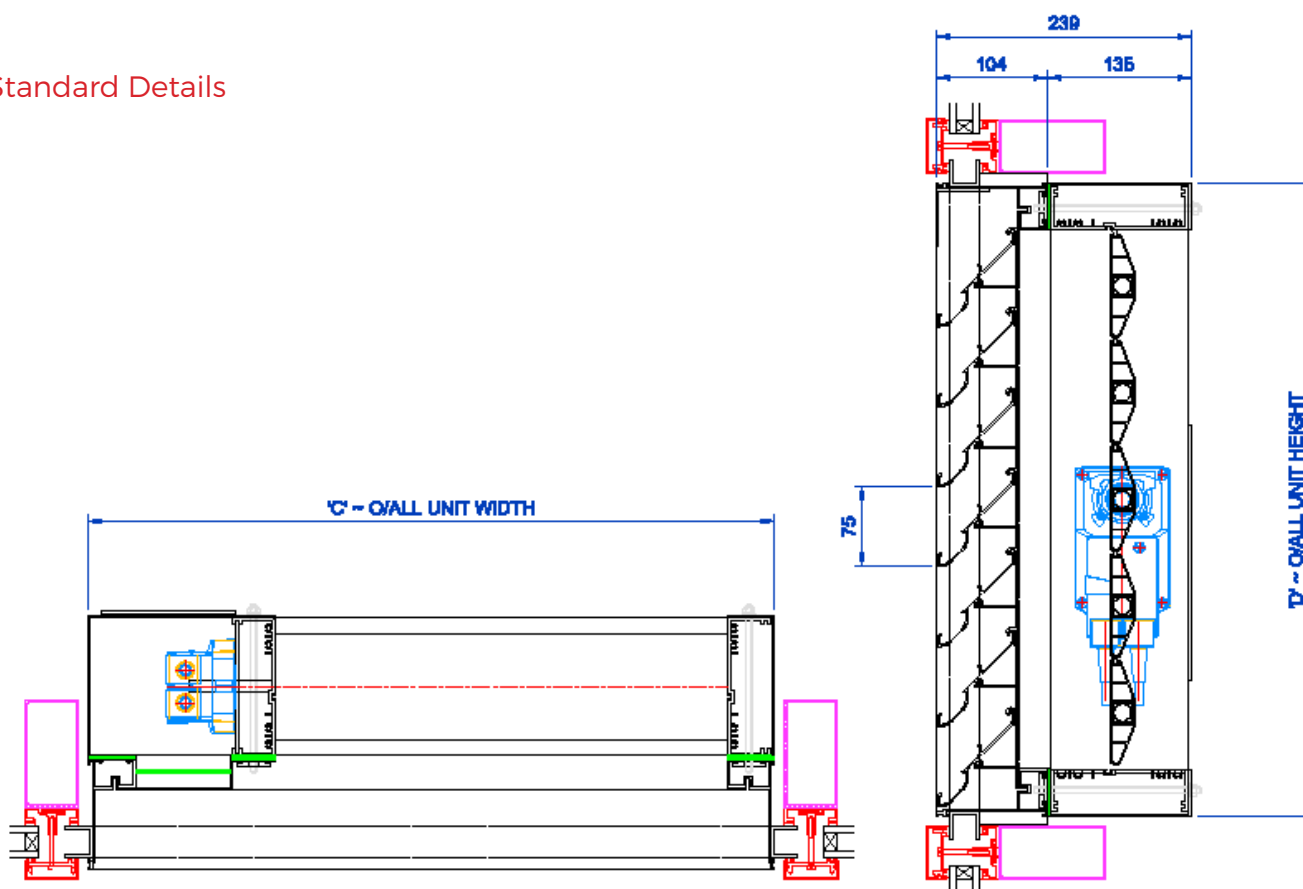
Pressure drop with standard bird mesh fitted.



## Natural Ventilation Louvre Systems Thermac 2000 Louvres



### Standard Details



### System Options:

The main body of the system is fabricated from extruded aluminium, while the dampers to the rear consist of a white PVC body and blades with flexible plastic seals.

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)

### Controls:

Standalone control panel complete with temperature CO<sub>2</sub>, manual override and optional weather station wind and rain sensor are available.

### Operation

Thermac 2000 units can be provided with the following modes of actuation;

- Manual, hand operated with locking quadrant
- Electrical, power open & close actuation, 230v or 24v with option for 0 – 10v modulating control and spring close / open function on power failure.
- Pneumatic Actuation

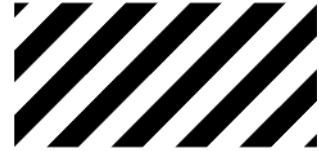
### Size, free area & weight

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 20 kg/m<sup>2</sup>

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



## Natural Ventilation Louvre Systems Thermac 2000 Louvres



### Specifications

#### Thermac 2000 Louvre - L10 NBS Spec

**Manufacturer:** McKenzie Martin Ltd

**Product Reference:** Thermac 2000 Louvre

**Description:** Combination Weather Louvre with adjustable thermally broken PVC Damper to the rear

**Louvre Blade Pitch:** 75mm

**Overall Depth:** 230mm

**Measured Free Area:** 48% (Fully opened)

**Coefficient of Discharge:** 0.32

**Material (Blades and Frame):** Extruded aluminium grade 6063-T6

**Material (Damper):** uPVC with a U value of 1.2W/m<sup>2</sup>C

**Finish:** Mill Finish Aluminium / Polyester Powder Coated / Marine Grade Polyester Powder Coated

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

**Method Of Operation:** Manual Friction Loaded, Hand Operation / Pneumatic Actuation / 230v Actuator / 24v Actuator

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

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



**McKenzie Martin**  
Louvres & Ventilation Systems

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](http://www.mckenziemartin.co.uk)

