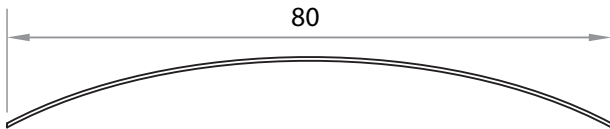


# mv80f maxim external venetian blind

Maxim External Venetian blinds are the most versatile external louvre product because they are fully retractable and adjustable. It is a high quality, precision built shading system and has been specifically designed for external shading where energy efficiency and the reduction of solar heat gain is of prime consideration.

## mv80f

- a crowned louvre blade that has a slight "c" curve.
- minimal pack height.
- flexible aluminium alloy that can bend and spring back into shape.
- only suitable for light wind areas and needs to be retracted at lower wind speed than mv80c.



**maxim**  
louvres

## mv80f

### versatility

- 4 standard colours
- electric or manual control
- adjustable
- retractable
- internal or external
- low maintenance

### solar control

- reduces heat gain by up to 90%
- reduces uv damage
- reduces glare
- improves A/C efficiency

# mv80f maxim external venetian blind

**maxim**  
louvres

Maxim External Venetian blinds can be used in most projects if our recommendations for blade design, sizes and installation are followed. For maximum **strength** and **longevity**, small rather than large blinds should be fitted close to the building façade. Side guides and automatic wind **sensors** can be provided for added wind protection. Contact us early in the design stage of the project as our experienced input will ensure the best result.

## key points

- minimal stack height required. See drawings.
- 4 standard colours and custom colours for large projects.
- aluminum blades are coil coated and oven cured in Switzerland using the highest quality procedures.
- european motors.
- electrically or manually controlled.
- electrically operated the blinds can be controlled by: switches, remote control or totally automatic controls.
- good option for internal use.
- reduces U/V damage.
- reduces unwanted glare and maintains excellent visibility.
- **energy savings:** air conditioning plants become more effective and save on running costs.
- tilt angle of the louvres may be adjusted through 90°.
- **reduction in internal heat gain of up to 90%.**
- complete privacy control.
- no maintenance required apart from cleaning. Self lubricating motors and bearings and UV resistant lifting tapes.

## construction

**Headbox** – the extruded aluminium headbox houses the tilt, raise and lower mechanisms. A single drive shaft runs in nylon bearings for quiet and lasting operation. An electric motor or manual gear winder is fitted within the headbox.

**Blades** – aluminium blades are coil coated and oven cured for corrosion resistance and a long life. When extruded aluminium side guides are used each louvre has a controlling guide pin attached to alternate ends to guide the louvres and minimize movement created by any breezes.

**Adjusting tapes** – a flat lifting tape ensures even lifting across the entire width of the blind. The patented Texband® lifting tape is designed with very high abrasion resistance. The louvre is supported by a Terylene ladder braid with double straps. All tapes are resistant to U/V and rotting to provide a long, maintenance free life.

**Pelmet** – standard pelmet is 200mm in height, extruded aluminium, powdercoated to closely match the blade colour.

**Recess** – blinds can be recessed. See drawings for dimensional details.

**Side Guides** – extruded aluminium or PVC sheathed stainless steel wire side guides. The extruded guides allow a superior tilt and light block out compared to the wire guides and in gusty conditions louvre blade movement is minimized. Anti-friction inserts in the side guide extrusion negate noise.

## controls

**Electric motor** – the european made high torque reversing motor tilts, raises and lowers the blades.

Maximum Width	5800mm
Maximum Height	4500mm
Minimum width	600mm
Maximum area	24m <sup>2</sup> (up to 3 blinds linked)

**Gearbox and handle** – normally used for smaller blinds (up to 2m high and 9m<sup>2</sup>). Through varying transition connectors, the gear winder is operable by an internal or external handle.

Maximum width	4500mm
Maximum height	2000mm
Minimum width	600mm
Maximum area	9m <sup>2</sup>

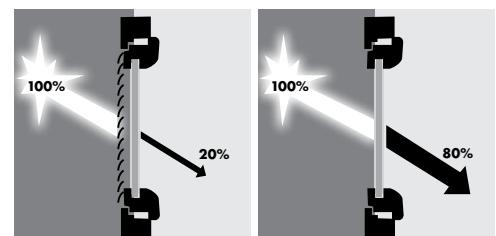
## Automatic controls

- up to 6400 motors can be controlled simultaneously with local override available.
- control can be customised according to the needs of the project. Blades can be adjusted taking into account the Solar Angle of Incidence(SAI) throughout the day for every geographical location.
- sun and wind sensors automatically control the blinds for local weather conditions.
- totally flexible programming allows control of other shading devices and interface with other Building Management Systems( BMS).

## high rise buildings

For the **best performance** these blinds should be fitted between double glazing. This gives maximum energy benefits and protects the blinds from the extreme and damaging weather. This option also keeps the blinds clean so maintenance is minimised.

If fitted outside the glazing, the blinds should be kept to narrower widths and fitted as close to the building as possible to minimise the risk of wind damage. We do not recommend this blade for high wind areas.



Product design and specification subject to change without notice.