

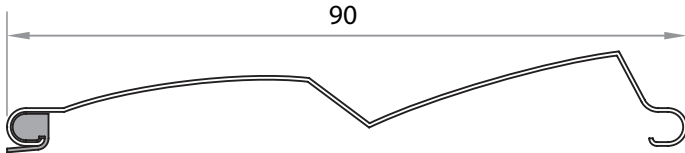
mv90z maxim external venetian blind

maxim
louvres

Maxim External Venetian blinds are the most versatile external louvre product because they are fully retractable and adjustable. It is a robust, 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.

mv90z

- **purposefully designed to block out more light and withstand stronger winds than all other external venetians.**
- excellent visibility through the blades when open.
- Z shape blades close up tight compared to other blades and a PVC strip on one edge of the blade seals the smallest light gap.
- designed like the aerofoil on the rear of a racing car so the blade, when open, is pushed down by wind rather than lifting thus stabilising the blades and reducing movement.
- the rolled edge and extra folds in the shape maximise the strength of the blade.
- the ladder braid is directly attached to the blade reducing movement.



mv90z

versatility

- improved light blackout
- superior wind resistance
- 12 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

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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

- 12 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.
- **can withstand strong winds when fitted close to the building façade.**
- also available for internal use.
- **reduction in internal heat gain of up to 90%.**
- 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 degrees
- complete privacy control.
- no maintenance required apart from cleaning. Self lubricating motors and bearings and UV resistant adjusting 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.

Five extra folds in the aluminium make this stronger than other blades.

Adjusting Tapes – the MV blinds use a flat lifting tape to ensure 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 braid directly attached to each blade for maximum stability. 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 side guides. The extruded guides allow a superior tilt and light block out and in gusty conditions louvre blade movement is minimized. Anti-friction inserts in the side guide extrusion negate noise.

Finishes – the side guides and bottom bar are finished in either clear anodised or powdercoated to closely match the blade colour.

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 ² (up to 3 blinds linked)

Gearbox and handle – normally used for smaller blinds (up to 2m high and 9m²). Through varying transition connectors, the gear winder is operable by an internal or external handle.

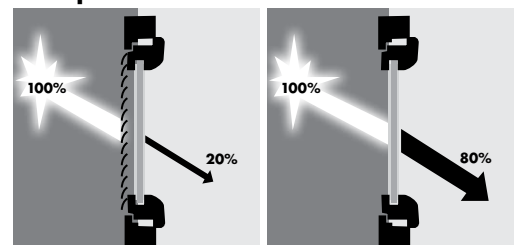
Maximum width	5000mm
Maximum height	2000mm
Minimum width	600mm
Maximum area	9m ²

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 extreme weather that may damage the blind. Also keeps the blind clean so maintenance is minimised.
- if fitted outside the glazing then blinds should be kept to narrower widths and fitted as close to the building as possible to minimise the risk of wind damage.
- **if designed correctly these blinds can withstand wind speeds of over 100kph.**



Product design and specification subject to change without notice.