

SPECIFICATIONS



Vollay V9000 MSLS-M – Mono Skin Louvre System-Motorised

This system based on a 150x80mm motor housing that concealed the motor, drive shaft and a range of gearboxes, which enable the desired louvre size to be motorised.

Available mono skin aerofoil blade sizes include the one-piece 200mm and 300mm blades, the two-piece 600mm and the three-piece 900mm and 1200 mm blade. With this range of blade sizes you are able to select a suitable blade to suit the span and scale of any building.

The MSLS-M system can be installed as an awning, vertical either on the face or over an opening and horizontal to the face of the wall, horizontally over an opening or in an awning format.

The system can be provided with either a rear mounted, complete four-sided or two-sided frame inside an extruded aluminium frame using the 150x80mm framing system when there is no existing fixing points for the louvres.

The frames are assembled with stainless steel fixings and allow the louvres to be installed inside a recess, to the outside of the structure or over the top of an opening so the blade can be adjusted to the ideal angle, which offer the shading and privacy required.

The motor housing encloses the drive system that consists of the motor connected to our extruded aluminum spline drive shaft, which connects to the required reduction drive gearbox to suit the blade size and wither its end or centre pivoting. The motor housing mullion has a removable extruded cover plate, which is located on the 80mm face to allow access to the compo entry for maintenance.

The range of gearbox has either an extruded aluminium insert that takes the square drive with twin set screws into, which inserts the drive blade that is welded to the end plate.

Inside the frame is mounted a 20 newton metre dual drive electrical motor, which is manufactured in Germany with its integrated triple reduction planetary gearbox rated at IP66. The motor also includes both in-built adjustable limit switches and a thermal overload.

LOUVRES SOLUTIONS FOR ALL SEASONS



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When installing the MSLS-M into an existing structure, we have a range of edge attaching fixing plates and various end plates, which allow the blades to pivot from a central point or its edge inside the frame.

These edge or end plates are machined on our CNC machining centre from aluminium sheet and this allow the development of custom bracket designs for your application. With a wide range of rear attaching concealed bracket designed available, the V9000 system enables the use of our full range of louvres to be attached to existing structural members.

Inside the frame the blades can be adjusted to provide the optimum blade angle and shading required with the touch of a button, the concealed fixing are machined into the frame, attached from the rear and the blades are attached using stainless steel fixings.

The MSLS-M can either be installed inside a recess, to the face of the wall using angle brackets from our wide range of sizes or can be attached to a tracking system to slide once closed. The frames can also be cantilevered off the wall using either a suitable wall bracket, a flat bar stay or a suspension rod brace from the V9000 range.

The selected blade is inserted into a range of our edge attaching brackets and secured with stainless steel fixing. These are interconnected with either an extruded aluminium control rod, which control the rotation of the louvre bank or a link arm in the case of the 600mm and 900mm to operate the louvre.

The desired blade is attached through a HDPP bush to the frame using a stainless steel pivot, which provides years of smooth trouble free operation. The blade ends are covered with a 3mm thick aluminium end cap, held in place with 3mm stainless steel fixings.

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When the blades are required to run vertically down the wall, we can attach a structural aluminum pivot member, which can be an angle or channel. This is normally attached to the slab edge, into which we have machined the blade pivot points. This allows the blades to pivot off the wall, but close tightly over the opening to offer excellent light control.

The motor housing includes provision for cabling and room to house a range of remote control and sensor receivers, which includes sun, wind and rain sensors plus a range of group controllers that enable multiple motor on one switch to integrate into BMS systems.

The blade is attached with an extruded blade bracket through the angle using a 8mm stainless steel bolt to the section attached to the slab edge. To the horizontal fixing angle we can machine a range of fixing hole to enable the angle to be fixed to either the wall or the slab edge with suitable anchors.

Aluminium shall be extruded to Australian Standards AS 1866:1997.

Aluminum sections shall be powder coated to AS 3715-2002.

Aluminum sections shall be anodized to AS 1231-2000 and complies with corrosion resistance as per AS1580.457.1.

All fixings, bolts, screws and Pivots are manufactured from Stainless Steel.

All plastic parts are manufactured from UV resistant HDPP (High Density Polypropylene) or similar.

Please contact our office for a complete range of CAD drawings or any further assistance.

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