

# SPECIFICATIONS



## Vollay V8000 NRVS-M – Non-Retractable Venetian System-Motorised

The V8000 non-Retractable Venetian System-Motorised is based on a series of rear mounted rack arms, which when driven with a motor, rotates the selected blade style from a closed down position through 110 degrees.

The four blade designs available includes a half aerofoil blade in a 90mm and 150mm width and a shingle design that allows the blades to close flat onto a seal in either a 90mm or 150mm width.

The rack arms are made from an extruded aluminium “T” shaped member that has a 40mm wide foot to allow fixing to the structure, a cable channel with snap on cover to conceal the electrical wiring and a fin which is punched to a pitch of suit either our 90mm or 150mm wide blades.

The extruded aluminium blade holder and clamp are attached to the rack arm using 4mm stainless steel bolts, secured with stainless steel nyloc nuts and interlinked with an “L” shaped extruded control rod.

The “L” shaped control rods are operated using a control arm and cam, and are interconnected using a hexagonal shaped extruded drive rod, which passes through the rear of the rack arm inside a HDPP bush.

The drive rod is then rotated using a reduction gearbox, which uses dual brass gearing to drive the drive shaft using the German manufactured electrical motor. The German design motor includes an integrated reduction planetary gearbox, rated as IP66, which is enclosed in the extruded aluminium motor housing box. The motor also includes both in-built adjustable limit switches and a thermal overload.

The motors and tilting system is accessed from its housing by removing its extruded aluminium cover plate. The motor housing includes provision for cabling and room to house a range of remote control and sensor receivers.

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The system can shade large areas of up to 12 square meters with the use of one motor, making this one of the most cost effective, adjustable, motorised shading system available.

With the use of the 80mm x 50mm rack arm stiffener, the system can span between slabs and so eliminate the need for balustrade systems with the use of the dual skinned 90mm blade.

The NRV-M system can be used in both vertical through to horizontal format, allowing it to be used in a wide range of areas where shading is required and when blade adjustment is required to allow for view, ventilation or to naturally raise lux levels.

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.

All welding is done to a standard that complies with the relevant Australian Standards.

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

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