

SPECIFICATIONS



Vollay V4000 PLCHS-M – Panel Lift Centre Hung System-Motorised

The V4000 Panel Lift Centre Hung System is designed to allow an opening to be covered with an aluminium louvre, which can be folded up into the roof space to provide an uninterrupted view.

This system allows the panel to stack both inside and outside the opening to provide an additional level of protection or if required to clear an object in the roof space, which would foul the end hung system.

The system can accommodate the 90mm, 115mm, 150mm or 200mm blade in a horizontal format. The blades can be motorised with a concealed motor located in the stile. This motor can be connected to the BMS or remote controller.

The concealed IP66 motor is connected via a 10mm square drive to a drive blade, which then is connected to the idle blades via an “L” rod.

The system consists of two panels, the lower panel is 2/3 of the opening size and the top panel is 1/3 of the opening size, and hinge from their central members and can be raised and lowered manually using a pair of counter-balanced weights concealed in the vertical side guide members.

The head is an extruded aluminium section, which is attached to the top of the opening and incorporates a receiving channel to attach a full-length extruded aluminium hinge, allowing the top panel to close up against a lip with an integrated seal.

The lower panel is attached to the upper panel with a full-length extruded aluminium bushed hinge, which is attached using stainless steel fixings after locating into a full-length receiving channel. The upper cross member also includes a snib lock that operates a locking rod into both side members.

The lower panels bottom outer corners has spring loaded stainless 9.5mm pin, which locates into a HDPP lifting / lowering block which moves up and down within the side frame.

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The HDPP lifting blocks are inserted inside the vertical member of the outer frame and are guided with a series of extruded guide fins.

The lifting blocks are connected to a stainless steel cable which is looped over a pulley located in the top of the outer frame and is then connected to a weight frame which has heights added to counter-balance the panel and allow it to be lifted into the head space.

Once the counter-balance weights have been set, the mechanism is concealed with a snap-on cover.

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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