

SPECIFICATIONS



Vollay V7000 Opening Roof System – ZBS – 200mm “Z” Blade System

This system is based on a 200mm “Z” shaped louvre, which has two 40mm interlocking lips. It has a male leading edge on one side of the blade and a female receiving channel on the opposite edge, which takes silicon-impregnated pile. This mono-skin blade is able to interlock and provide a water resistant join while ensuring no metal-to-metal contact.

This blade rotates through 170 degrees inside an outer extruded aluminium frame, which is both the structural frame and also acts as the motor housing. This conceals the motor and drive hardware and measures 80mm wide x 150mm deep. These sections are assembled using 6mm stainless steel bolts, which are concealed within the frame and finished off with a 3mm thick aluminium end plate.

Under the motor housing is installed the extruded aluminium gutter system, which locks into the motor housing with a concealed lip and is held in place with two countersunk 5mm bolts and extruded corner stakes in each corners. The captured water is discharged through a HDPP insert inside the gutter, which both transfers the load of the roof into the 75x75mm extruded aluminium support post while also allowing the water to pass internally down the post, eliminating the need for down pipes.

The motor housing encloses the drive system, which consists of the motor connected to the extruded aluminium drive that connects to the required amount of 22:1 reduction drive gearboxes. The motor housing mullion has an extruded cover plate, which is located on the 80mm face to allow access to the compo entry for maintenance.

The gearbox has an extruded insert, which has square drive with twin set screws into which inserts the drive blade that is connected with a 10mm square aluminium drive shaft.

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

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The motor housing includes provision for cabling and room to house a range of remote control and sensor receivers.

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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