

Commercial Tender Specifications

Aqua Valet

Design Notes

The Aqua Valet pool cover winch is built on a robust square section SAE 304 stainless-steel frame supported by Ø125mm total-braked swivel castors with SAE 304 stainless-steel forks, with an anodised aluminium case. The 24VDC unit is charged by an external charger, capable of supplying continuous 5-amp charging, with an ingress protection rating of IP67. Batteries are enclosed in units to prevent any off-gassing, with a minimum capacity of 40Ah required to ensure large commercial centres can remove all covers on a single charge. When not in use units are required to be on constant charge.

The external winch drum sits on a solid SAE 304 stainless-steel shaft, coiled with 50mm wide non-absorbent webbing rated to a minimum tensile strength of two thousand kilograms. The winch drum is driven by a 4-pole 600-watt motor rated to 30-amperes. An intermediate self-locking 50:1 gearbox is required on standard units.

The entire drive assembly is mounted on a floating platform to achieve no less than 150-millimetre range of motion.

A special motorised roller configuration requires an automatic clutch and potentiometer to prevent damage to the cover, roller or winch unit.

In-Pit version includes actuated vertical travel, custom gearbox, a right-angle drive, and vertical driveshaft for coupling with below ground rollers.

A pair of dedicated Boom Winch units are available to assist daily relocation of moveable bulkheads. These require a radio transmitter, analogue controls for each unit in a single portable controller. Mechanicals are also upgraded with use of a custom gearbox and extended strap length.

Colour

Clear Anodised Aluminium Case

Electropolished Stainless-Steel Frame

Warranty

10 Year – Structural Frame and Casing

3 Year – Bearings, Castors, and Gas Struts

1 Year – Motor, Gearbox, Electronics, Batteries & Wiring

Please see full warranty information – <https://sunbather.com.au/support/warranty/>



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