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Marina tender with 3.5kW electric inboard motor

The 6m electric launch 'Friendship' was built by South Australian boat builder Cameron Donaldson of Easytiger Marine. She is destined for the tropical waters of Darwin's Cullen Bay to serve as a tender on the marina. Based on David Payne's 'Cinema' launch design but built using lightweight epoxy/foam sandwich construction, the 'Friendship' seats 8, has a self-draining cockpit, and teak deck, seats and cockpit console.



Motor and battery installation



'Friendship' at first launch

Friendship's electric motor is a Bellmann SilentProp 3.5kW (10HP) AC System, imported from Holland. The Asynchronous drive system has been designed for applications in which reliability under all circumstances is essential. The modern electric motor delivers high torque, is water-resistant (IP55), maintenance-free and exceptionally quiet. The graphic digital display gives all-important information such as battery condition, remaining running time, rpm and the power consumption.



48V AC electric inboard motor



'Friendship' under construction at Easytiger Marine in Adelaide



Batteries are installed under the floorboards, where the weight adds to the stability of the vessel

On board power is provided by 8 x 6V AGM 225Ah batteries for the motor, and one 75Ah battery for house power. An onboard 3-stage charger provides maintenance free, automatic charging. The boat has a cruising speed of 5 knots with 5 hours of motoring from full to 50% charge.



Steering console with graphic display informs on battery charge status, remaining running time, rpm and power consumption



For more information on electric propulsion visit:

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