

## **MFA 'TORPEDO 850' MARINE ELECTRIC MOTOR. Pt.no.1115/1.**

The Torpedo 850 is a high quality motor designed specifically for the high performance medium size i.e. 76cm - 122cm (30 - 48") model boats. It gives 'planing' type performance and is ideal for fast cruisers, off-shore type powerboats etc. and where top performance is required. The motor comes complete with mounting bracket, connecting leads, ready to connect to your own power supply and is CE certified. Accessories for it, including coupling etc, are available from MFA, see list below.

When installing the motor in your boat, do make sure the motor shaft and prop shaft are in a straight line (as near as possible). If they are not, even when using a flexible coupling, performance will suffer as well as increased current consumption and noise. We suggest when lining up the motor to draw round the edge of the mounting bracket, then remove the motor from the mounting bracket, re-position the bracket, drill the four mounting holes and screw down the bracket (using suitable screws or M3 nuts & bolts) then, re-attach the motor. **IMPORTANT:** Make sure the thrust load from the propeller is taken on the front of the propeller and NOT transferred to the motor. To check this, when you have finished your installation, push the propeller forward, there should then be no gap between the front of the propeller (or its locking nut) and the back of the propeller tube i.e. they should be in contact. Re-set the coupling if necessary.

### **PERFORMANCE (approx):**

Voltage: 12 volts DC. Reversible by reversing the polarity.

R.P.M. (no load): 9,778.

Current consumption (no load): 1.9 amp.

Current consumption (maximum efficiency): 10.8 amps.

Current consumption (suggested maximum continuous): 13 amps.

Current consumption (stalled): 40 amps.

Propellers: 45mm, 50mm, 55mm & 62mm 2 blade nylon or equivalent 3 blade brass.

### **ACCESSORIES:**

Torpedo 850 coupling (motor to M5 or 4BA prop shaft thread): MFA pt.no. 778.

Prop shaft & tube (18cm or 7" tube length, M5 thread): MFA pt.no. 490.

Prop shaft & tube (30cm or 12" tube length, M5 thread): MFA pt.no. 780.

Prop shaft & tube (40.5cm or 16" tube length, M5 thread): MFA pt.no. 617.

Torpedo 850 mechanical speed controller (forward/off/reverse): MFA pt.no. 1081/2.

MFA 'Titan' rechargeable 12v, 7AH capacity battery: MFA pt.no. 1113.

MFA 'Titan' rechargeable 6v, 4AH batteries (2 required): MFA pt.no.177.

Charger for 12 volt or 6 volt batteries: MFA pt.no.229.

Fuse (15 amp) and fuse holder: MFA pt.no. 306.

Spare 10 amp fuse: MFA pt.no.307.

*Warning: Use under the direct supervision of an adult!*

**MODEL FLIGHT ACCESSORIES/COMO DRILLS. 7/97.**

