

Our Advice On Electric Outboard Motors:

These fall in to 2 VERY DIFFERENT types of engines. There are **THRUSTERS** and **PROPER OB** Motors.

The only **PROPER ELECTRIC** engine is the **TORQEEDO**, these are German made and come with integrated batteries, they are a very serious piece Of kit with a price tag to match, they start at OVER £1300 and these are Motors with 1.5 – 3 hp ratings and will hold their own with equivalent petrol motor.



THRUSTERS on the other hand start at a little over £100 and are ideal for Still calm water. **THRUSTERS** have a LBS Thrust rating not an HP rating. The reason for this is That **EVEN THE MOST POWERFUL** thrusters of 100 lbs thrust + are NOT 0.5 hp. In fact we are looking at motors that have HP ratings of 0.2-0.4 hp. So in reality whether a motor has a 30 or 40 lb thrust rating you will notice very little difference in performance. There is a difference but it is not a vast one and depending on the size of your boat / payload the difference may be very hard to see!

These motors are meant for small craft in still calm water, they **WILL NOT** cope with flowing water, strong winds or waves. Now obviously this is a sweeping statement and it all depends on how strong the current is and how big the waves are. **THRUSTERS** do not have integral batteries rather you need to power them from a 12 V car type battery. The bigger the battery the longer it will last. Whilst any car type battery will do **LEISURE BATTERIES** are designed to charge and discharge over and over again and are better for the job. A normal car battery will develop a memory and not accept a full charge if used on a motor and partly discharged and recharged over and over again, Leisure batteries do not do this. So in addition to the motor you will need a Battery and a Battery Charger. Electric motors **DO NOT** charge the battery as they go along !! If they did that would be perpetual motion !!

THRUSTERS will typically give walking speed on small craft in still water, they are silent in operation and are better than rowing / paddling. Not all makes are suitable for **SALTWATER USE**, the motors we offer, Torqeedo, Yamaha are **ALL** suitable for saltwater use, **SOME** of the Minn Kota Engines are Saltwater engines and these are clearly marked in the name as **SALTWATER** motors. So if you can row to where you want to go then a thrusters will be ideal **IF** you are replacing a Petrol Motor or need “more power” than rowing gives you then you really need a petrol motor. Obviously the electric motor can run for hours and you can not row / paddle for hours but the motor is only delivering the power of flat out rowing.

BATTERY LIFE: This all depends on the current draw and the size and type of the battery. Typically a decent 110 AH Leisure battery will give **AT MOST** 1-2 hours continuous operation **BUT THIS IS ONLY A GUIDE.**

YAMAHA: These are made by Minn Kota for Yamaha and represent the most popular models on the market. These have a 2 year warranty. Features like LED battery indicators etc are just pointless as they offer no meaningful information !! Decent leisure batteries are likely to have condition indicators on them anyway.

MINN KOTA: US Made They have a much wider range of motor types and thrusts than in the Yamaha line up and there will be something in the range to suit everyone.

They also have motors with digital throttles rather than just 5 speed switch options. These Digital throttle motors will give longer battery life at lower power settings. MK also have **PROPER** Saltwater use motors in the Rip Tide Range.

MOTORGUIDE: Another US maker with a limited range of motors, standard 5 speed and some digital throttle models. Whilst very good Minn Kota have the bigger name.

Electric Drive

RM12 - RM18 - RM20 - RM26

Just switch on and go...

When all that's needed is to get the most out of a pleasurable day's fishing or pottering about on a quiet lake or river, one of the range of Yamaha Electric Drives may be the perfect answer. A 12V battery is the only power source required and of course, there isn't a more user-friendly or environmentally friendly way to power a small boat.

Despite their relative simplicity, the new Yamaha Electric Drives have some versatile features and are very easy to fit and to use. Mounting is effortless, as the drive unit is very light in weight, and the ingenious adjustable bracket makes it simple to fit the drive to the transom of almost any small boat.

The comfortable twist-grip throttle makes smooth speed changes and control very straightforward under all normal conditions and manoeuvring is a real pleasure.

These drives are tough, too. They feature permanent magnet motors, damage-resistant casings and coatings, and a special composite drive shaft that won't bend, break or corrode in normal use.

As a finishing touch, all Yamaha Electric Drives are fitted with a special Weedless Wedge propeller that maximises thrust, and is more resistant than most to trailing weeds and other underwater debris.

The Yamaha Difference

	M12	M18	M20	M26
Static thrust (kg)	13.6	16.3	20.8	25.0
Amp. draw**	30	36	42	43
Voltage	12	12	12	12
Speed control features	20	20	20	Variable
Shaft	Twist	Twist	Twist	Twist
Shaft	762mm	914mm	914mm	914mm
Weight (kg)	9.5	10.9	12.3	12.3
Bracket twist	Yes	Yes	Yes	Yes
Composite shaft	Yes	Yes	Yes	Yes
Weedless wedge	Yes	Yes	Yes	Yes
Pulse width modulation	No	No	No	Yes
Warranty**	2 year	2 year	2 year	2 year

**On-the-water performance with motor set on highest speed
**Second year limited warranty

CHINESE MOTORS:

We have given up, just too much warranty with ALL the cheap Chinese Motors. Alas as with the rest of life you get what you pay for ! We have sold several makes over the years and they just do not last Like the Minn Kota or the Yamaha.

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