

SILENT Tender 400

Silent and sprightly, this carbon-fibre tender weighs not much more than an inflatable.

Built to an exacting standard, the electric drivetrain of the SILENT Tender 400 makes it a boat that lives up to its name. Measuring just 4m, it borrows many of its style cues from SILENT-YACHTS' 60ft and 80ft electric catamarans. Its carbon lay-up ensures that the hull weighs no more than 90kg, which is similar to the weight of a 4m inflatable, making it an easy lift for most davit systems. Designed to carry six people with ease, the SILENT Tender 400 was conceived as the ultimate tender for the solar-powered SILENT 60 series of yachts, as well as serving as a fun electric runabout-cum-mini sports boat.

Designed with a central console, the Tender 400 has simple intuitive controls, specifically a throttle, a leather-padded wheel and a display showing speed, heading and depth. The helm seat is flanked by two other seats, and there are two bow seats – all with practical handholds. Boarding is via a step in the lowered bulwarks amidships. Owners are able to choose between various inboard and outboard propulsion options. Inboard power comes via a 20kW electric water jet, offering an extremely low draught – ideal for slipping onto the beach. With the sportier outboard, input power is either 20kW or 30kW, depending on the package selected.

The higher-rated motor is capable of propelling the boat at more than 20 knots. Battery capacity comes in either the standard 16kWh lithium battery or an upgraded 20kWh unit for more range. At a 10-knot cruising speed there is a minimum of two hours of power, though this will no doubt drop to less than an hour at full speed. Fast on-board charging can replenish the battery in just 2.5 hours.



It is a compact sports boat in its own right.

This 4m boat has enough deck space for six people.



www.silent-yachts.com

Wavebrite Grey-Water Filtration

Wavebrite SMART: grey-water filtration for the middleweight market.



Weighing 30kg, the Wavebrite is just over 2sq. ft in size.

This intelligent waste water filtration system removes the need for a grey-water tank. Contained within a single unit, and with a remote display screen, Wavebrite SMART removes all contaminants from grey (waste) water. This includes plastics, toxins, phosphates and pollutants, such as soap, grease, oils and microbeads. Wavebrite SMART then discharges as clean water, meeting the EU Waste Water Standard.

Many vessels have grey-water holding tanks that can be emptied dockside, but all too often boat owners simply discharge contaminated water overboard at sea. This system, being compact and lightweight, is easy to install in new builds or retrofit, so the smaller-boat owner no longer needs to haul around a tank of grey waste. The remote multifunction display screen shows the flow rate, daily and total volumes of filtered grey water, and the condition and status of the filters. The data and display function has been developed jointly by Wave International and Simarine, adding a good level of user functionality, and providing that crucial reassurance that the unit's filter and components are operating effectively.

The input of grey water is controlled by a level switch located in the waste water sump, which comes supplied with the unit. Up to 20,000 litres of grey water can be processed before the main filter needs to be changed, indicated by a clear warning signal on the display panel. A QR code enables users to easily access all the unit's spare part needs, and filter replacement information. Data available also shows the flow rate and accumulative volume of grey water filtered over the lifetime of the main module, with indicators on the display showing if any maintenance is required. For ease of use, the unit's multifunction display screen can be set up in a remote location. Dimensions are 36cm x 67cm x 33.7; weight: 30kg.

www.waveinternational.co.uk