



ENVIROCAT ALL-ELECTRIC ECO 8.5

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THE VESSEL FOR YOURSELF**

The All-Electric Envirocat Eco 8.5 plastic and debris collection vessel has been designed to remove floating plastic and flotsam from the water's surface, as well as support operations within industries such as fish farming and aquaculture.

Developed by MMS Ship Repair and Dry Dock Co., in conjunction with Rockabill Marine Design, the vessel enables efficient, reliable and eco-friendly clearance and cleanup of waterways, including harbours, ports, marinas, lakes and canals.

The catamarans are built in marine grade aluminium to the very highest of British ship building standards, with ease of operation and low maintenance costs.

Powered by two electric outboards the Eco 8.5 Produces zero emissions and can support an 8-hour working day.

For flotsam usage plastic is collected between the hulls as the vessel moves forward and is held in a 3m³ capacity cartridge.

For aquaculture and general workboat support either a portable or fixed deck can be installed giving the vessel a 1.5 tonne carrying capacity, a small crane can be mounted if requested.



DIMENSIONS

| | |
|-------------------|-----------------|
| Length | 8.5m |
| Beam | 2.55m |
| Draft | 0.3m |
| Height | 2.4m |
| Weight | 1.9T |
| Deck fwd | 4.6m x 2.3m |
| Collection basket | 3m ³ |

MECHANICAL

| | |
|-----------------|----------------------|
| Power | 2 x 9.9Hp / 6kW each |
| Batteries | 6 x 200 AMP/Hr @ 48V |
| Habitat battery | 100 AMP/Hr 12V |
| Charging | 6 x 650W |
| Charging time | 8 Hours (from zero) |

PERFORMANCE

| | |
|------------|--------------|
| Speed | 7 Knots max. |
| Range full | 3 Hours |
| Range half | 4.5 Hours |
| Range slow | 6 Hours* |

*Vessel can easily support an 8-hour working day.

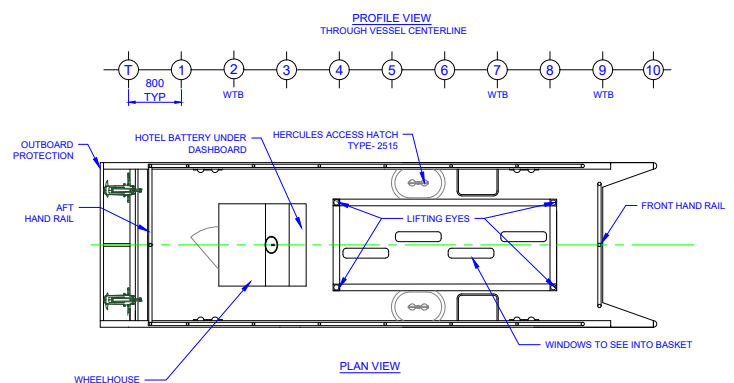
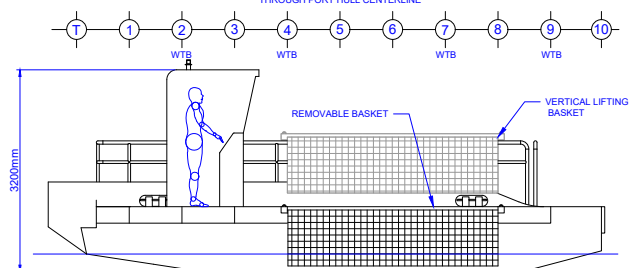
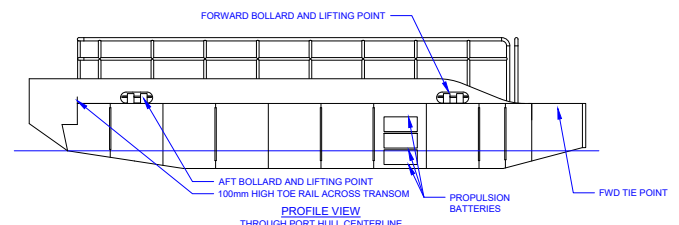
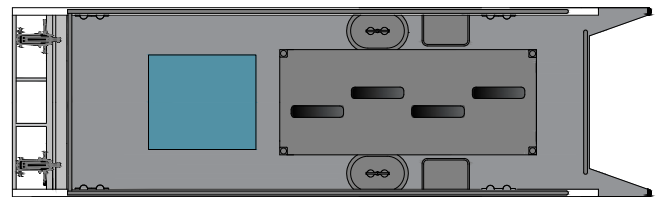
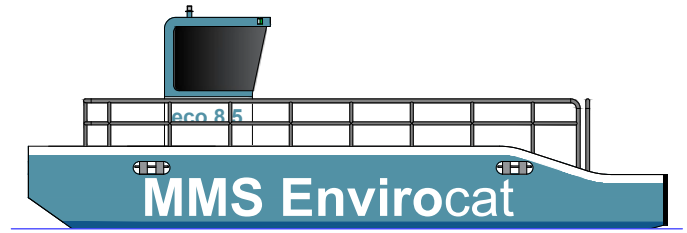
CONSTRUCTION

- Marine Grade Aluminium 5mm
- MIG & TIG welded throughout
- Tinted bonded wheelhouse windows
- Wheelhouse fixed or fold down

GENERAL

Vessel displays digital and colour indicators showing RPM, power consumption, distance and speed.

Cost to fully charge approximately
 £12 = £2 per hour Operational Cost
 €13.96 = €2.33 per hour Operational Cost
 (Based on 2023 UK electric cost of 34p per kWh)



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