

# LiteRACE 4X

The LiteRACE 4X is a coastal/offshore rowing boat which meets FISA requirements. It was designed in 2017 by the Naval Architects, Sam Manuard Yacht Design to meet all the necessary FISA requirements for offshore competition.

It is constructed to minimum weight using resin infusion methods and oven curing techniques that are used by the top river rowing boat manufacturers, to produce a very strong but light weight boat with a hard wearing gelcoat finish.

## 1. BOAT SPECIFICATIONS

### Dimensions and weights

Length: 10,70m | Beam: 1,30m | Weight: 140Kg approx'.

(We try to complete boats at 137 or 138kg, just under the racing weight of 140 kg. There are four special carbon lacing eyes fixed to the inner hull skin for securing any extra ballast that may be necessary to bring the boat up to racing weight).

### Construction materials

- > **Gelcoat:** > 700gr/sqM.
- > **Fabrics:** Glassfibre / Carbon fibre.
- > **Core materials:** Soric / Airex structural PVC foam.
- > **Resin:** Vinylester.

### Production techniques

The boat is constructed using a Vacuum Resin infusion process. It is cooked / heated in an oven at > 40°C for 6 hours for post cure to create a strong, stiff and light weight structure.

## 2. VERSIONS

We offer two (2) different versions for this boat:

### The **STANDARD** Version.

Fiberglass with some Carbon fibre Uni-Directional cloth and Carbon fibre reinforcement.

### The **CARBON** Version.

100% Carbon fibre construction only. *No fiberglass.*

- Both versions are stiffened by a system of four (4) bulkhead construction.
- There are three (3) different waterproof compartments.

### **3. PARTS & EQUIPMENT SPECIFICATIONS**

- > **Riggers:** The riggers are aluminium with epoxy coating. The riggers are fixed with A4 inserts (316 grade stainless steel) produced by Bohlhoff. These inserts are fixed on to monolithic type base zones.
- > **Seats:** Carbon (400mm).
- > **Foot stretchers:** Adjustable from 40 to 45°, aluminium, Epoxy coated.
- > **Shoes:** Active tools (adjustable in length).
- > **Rails:** Aluminium anodised, with easy access for repair or change.
- > **Bailers:** Two (2) Andersen self-bailers.
- > **Rudder:** Lifiable (up or down position).
- > **Cox seat:** Carbon seat.
- > **Fin/skeg:** Lifiable fin for easy turn.

#### **3. Manufacturing lead time.**

This will depend on the current orders as we work on a “first ordered, first served” basis. Once we receive an order (with deposit), we immediately confirm the manufacturing time and expected delivery date to all customers.