

# LiteRACE 1X

The LiteRACE 1X is a coastal/offshore rowing boat which meets FISA requirements. It was designed in 2012 by the Naval Architects, Sam Manuard Yacht Design to meet all the necessary FISA requirements for offshore competition.

In 2016, Sam Manuard designed a EVO from the 1st boat: the rower is lower in the boat to increase stability and rowing efficiency, bow is reduced in height... So, this boat is a new design from Sam Manuard, 2016.

**Julien Gazaix won the French National Coastal Championship in 2017 with the LiteRACE 1X.**

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: 6m | Beam: 0,75m | Weight: 35Kg.

(We try to complete boats at 33 or 34 kg, just under the racing weight of 35 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 onto monolithic type base zones.
- > **Seats:** Carbon or foam (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.
- > **Fin/skeg:** with US box for easy change

### **4. 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.