

## **General information:**

Model: Boat for the disabled

Reference year: 2020

Creator: Giovanni Da Ponte (Venice)

Boatyard: IL BARCARIZZO (Venice)

## **Specifications:**

LFT (LOA): 7.00mt.

LM (BM): 2.00mt

Displacement (displacement): 600Kg

Hull (hull): vertical bow with corner hull Mahogany frame

Mahogany and iroko deck

Marine plywood hull 9mm thick Marine plywood sides 9mm thick

## **This boat has four fundamental characteristics:**

1. Wooden construction of all parts of the hull and interior.
2. Lines of water designed to generate the least amount of water.
3. Electric propulsion (40hp/30kw) powered by batteries.
4. Lifting platform for access to people with limited mobility

The choice of this type of hull has been determined by many years of motorboating in the Venice lagoon and by an attention to research and observation of the many boats that cross the canals of the city every day.

The dimensions of this boat are a good compromise to be able to navigate through the narrow internal channels of the island but also to guarantee a certain stability and comfort when you want to reach the most remote islands of the lagoon.

The tapered and vertical bow allows the boat to slice through the surface of the water with ease, reducing pitch and attenuating the blows of the waves that create stress on the hull structure and disturb the crew. The slightly rounded transom and the almost flat hull allow the fluid to flow out harmoniously from under the hull without creating turbulence around the propeller.

The propulsion is entrusted to an outboard motor that allows the boat to navigate even near the shallows of the lagoon.

The ability to adjust the depth of the propeller and to be able to control the presence of algae or objects that can get stuck in the propulsion system allow you to easily manage navigation. The electric outboard motor will have a power of 10kw which allows it a cruising speed of around 9 knots. To achieve considerable glide speeds, at least a 20kw motor must be installed. The electronic system is easy to install having a generous locker available that can accommodate up to four 100Amper batteries and the devices for managing the recharge.

The boat is equipped with a 100cm x 150cm platform that can be lifted up to the gunwale through a hydraulic pump and returned to a leveled rest position on the paioli floor. This system is used to facilitate the embarkation and disembarkation phase of guests confined to wheelchairs or with mobility difficulties.

Two benches at the bow comfortably accommodate up to 4 guests or accompanying persons. Between the platform and the benches there is a 95cm space intended to accommodate a second wheelchair. With this arrangement, the crew will consist of a driver and six guests for a total of 7 people on board.

The boat is built with high quality material and R.I.N.A approved marine plywood and finished with enamels and paints suitable for marine environments, including also elements on deck in stainless steel, navigation lights, construction of the platform and electrical system for handling the platform.

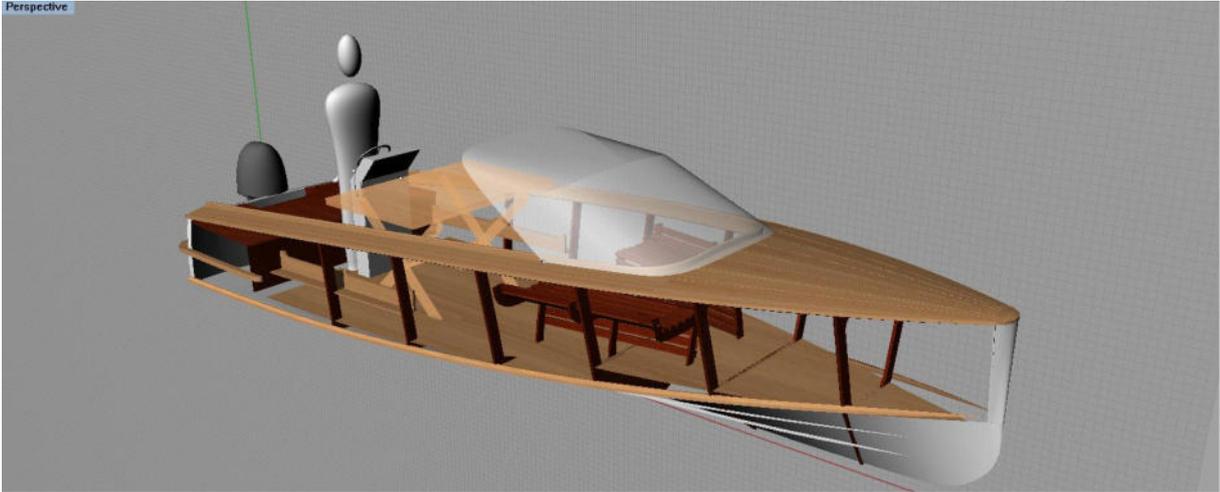
**Cost** of building this boat taking in the labour, materials and the CE certification (about € 3,000) would be around € 20,000.

But I propose an investment of my own in the project of 40% in which I can hope for a commercial return that makes me build other boats of this type in the near future.

Beyond the economic aspect, I want to hope that for Venice there is a sustainable future made up of boats with low environmental impact and respectful of the fragility of this city.

Therefore the price for which I can guarantee the construction of this boat is 12,000 €

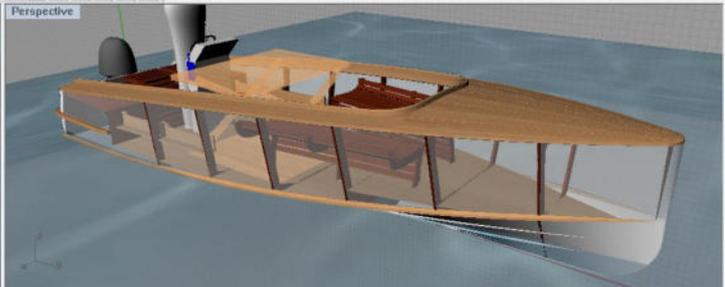
Perspective



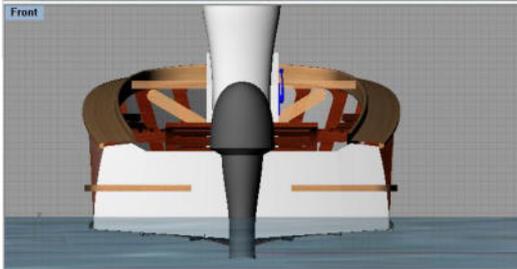
Perspective



Perspective



Front



Right



