

## HDPE boat 10.0 product price



Stability, seaworthiness and controllability correspond to category C. The boat has seaworthiness, ensuring the use of its technical means and the safety of navigation at sea up to 4 points inclusive in displacement mode and up to 2 points inclusive in planing mode.

The products are ISO 9001-2015 certified and CE certified in Europe.

### **Specifications:**

Length - 10m, width 2.7m, rigid cylinders filled with polystyrene d 500mm, wall thickness 15.3 mm. Deadrise angle on the transom 21 degrees. Draft is not less than 500mm. Passenger capacity 12 people.

### **Product Description:**

The boat is completely made of HDPE, the material of the HDPE sheet is UV stabilized, does not require painting and processing against contamination by microorganisms, is plastic to mechanical stress, the bottom thickness is at least 10 mm, the frame thickness is at least 15 mm, the keel thickness is at least 25 mm. A rigid HDPE cylinder is located along the perimeter of the body, the cylinder diameter is 500 mm.

The obligatory shape of the bottom of the Triclin type for a quick exit of the boat to the speedboat, gives a speed advantage of + 15%.

A fender is located along the perimeter of the rigid cylinder to protect the hull from mechanical stress in the event of a boat mooring and collisions at low speeds with other vessels.

The deck is designed as a self-draining cockpit.

### **The steering console:**

The steering console is centered. Console made of high density polyethylene (HDPE). Load-bearing elements are made of stainless steel pipes with a minimum diameter of 32 mm. The roof is made of tempered tinted glass. The console is equipped with controls, instrumentation, communication and navigation facilities.



### **ELECTRIC POWER SYSTEM:**

The power supply system ensures the generation, conversion, distribution of electrical energy during the operation of the boat, including starting the engine, recharging the battery, signal lighting, protecting the network with fuses against short-circuit overload currents, and power supply. signal and distinctive lights.

DC generators installed on the main engines serve as the main source of electrical energy, supplying power to all equipment.

As a source of emergency power supply, as well as to start engines, two service storage batteries (AKB) are used.

The time to ensure continuous power supply to consumers with a service battery (ACB) when operating in a buffer mode with a DC generator is at least 5 hours.

### **Fuel system**

The fuel system must consist of two tanks with a total volume of at least 300 liters. The tanks are located below deck and are equipped with fuel level sensors and air vents.

### **MARINE DEVICES**

The boat is equipped with anchor, mooring, towing and line devices.

The anchoring device ensures the holding of the small craft at the anchorage. Anchoring equipment is located in the forepeak.

The mooring device consists of:

- mooring of ducks (two ducks are located side by side in the stern of the small vessel, two ducks are located side by side in the bow of the small vessel);
- stern and bow oarlocks (two are located side by side in the stern of the small vessel, two - side by side in the bow of the small vessel) for the carriage of similar small vessels with a displacement;
- mooring ropes - 2 pcs.;
- mooring fenders - 4 pcs.

The towing device provides emergency towing of the smallest vessel, as well as towing of various floating craft of similar displacement.

Drainage system of the room.

- productivity of 2 automatic pumps - 40 l / min;
- productivity of the hand pump - 20 l / min.

The stern contains a targa and holders for spinning rods.

### **ENERGY PLANT**

The power plant consists of two outboard boat motors.

Engine type - four-stroke.

The power of each engine is at least 300 hp.

### **NAVIGATION AND COMMUNICATION SYSTEMS**

The boat is equipped with the following navigation and communication aids:

- magnetic compass;
- electronic cartographic navigation information system (ECDIS), located on the control panel, which allows displaying location, depth, bottom topography, speed, set route, compass;
- radar
- running lights;

- radio station;
- loudspeaker device;
- signal figure ball in the amount of 3 units;
- signal horn.

The vessel is equipped with navigation lights in accordance with the rules of operation in the sea area. There are also two search and rescue searchlights on the roof.

#### **Armchairs**

The boat is equipped with a shock-absorbing navigator's seat.

#### **Additional option (for a separate payment)**

Additionally, it is necessary to install 6 locker chairs at the bow and 4 locker chairs for passengers at the stern. There is a locker sofa across the entire width of the stern.

