

“Arctic Bort 11.0”



Appointment:

A low-pressure polyethylene HDPE exit boat is designed to solve various problems, including:

- transportation of team members with landing on an unequipped shore;
- transportation of goods;
- carrying out work on the installation of booms;
- exploration and study of the water basin;
- fishing, diving and outdoor activities;

A small vessel has seaworthy properties that ensure the use of its technical means and navigation safety when sea waves are up to 4 points inclusive in the displacement mode and up to 2 points inclusive in the planing mode.

In the displacement mode, the small vessel retains the possibility of stable movement and controllability at any directional angles with respect to the direction of the waves and wind at a wave height of 3% of security no more than 2.0 meters with speed limits of up to 15 knots with a distance of 12 miles from the coast.

Terms of Use:

- the effect of ambient temperature from -45 ° C to +45 ° C
- the effect of sea water temperature from -2 ° C to +35 ° C
- exposure to ambient humidity up to 98% at 35 ° C
- exposure to aggressive environments (sea water, oil, salt fog, detergents, degassing agents, disinfection).

With the simultaneous operation of all installed equipment, there is no electromagnetic interference that affects the quality of the navigation and radio equipment.

Case:

The boat is an arctic planing type vessel, the hull and deckhouse of which are made of low-pressure polyethylene.

The design of the boat provides trouble-free and reliable operation of the boat in conditions of temperature drops (- 45 C to +45 C). It is possible to move a boat in shallow ice without adversely affecting the hull and its components and equipment.

The outer skin of the bow is made of supermolecular polyethylene not lower than PE 100.

Cabin:

The cabin is made with insulation and trim suitable for use in small shipbuilding. In the aft part there is a splash-proof door with a porthole and a lock. In the cabin, a comfortable temperature is maintained due to the functioning of ventilation and heating systems or air conditioning. In the wheelhouse, a control panel is provided for crew members with instrumentation and boat controls located on them.

In the cabin there are places for storing working equipment, emergency equipment, supplies, lockers and cabinets for storing personal belongings. There are sofas in the cabin, for the skipper and navigator two chairs. Passenger capacity 6-8 people.

The perimeter is glazed with splash-proof windows, the frontal windows are equipped with wipers. In the stern of the boat is a locker for battery boxes.

Electric Power System (EES):

The power system is designed to power consumers of a small vessel.

The electric power system provides for the generation, conversion, distribution of electric energy during operation of a small vessel, including starter start of the engine, recharging of the battery (additional option), signal lighting, protection of the network by fuses from overloads of short circuit currents, and supply of signal-distinctive lights.

A service battery (battery) is used as a power source, depending on the installed outboard motor.

The battery provides continuous power to the following consumers:

- signal and distinctive lights;
- lighting of the add-in;
- starting the outboard motor.

Navigation and communication systems:

On a small boat there is a chartplotter, an echo sounder, and there can also be a radio station (additional option), a radar station (additional option), navigation charts (additional option)

Rescue equipment and facilities:

On a small boat, life-saving appliances are delivered according to passenger capacity.

Control Panel:

For control of a small vessel, its basic technical means and guidance of crew actions, a control post (panel) with a frame located in front of the superstructure and equipped with control elements, instrumentation, light-signaling devices, communications and navigation devices is provided.

Ship devices:

500 kg mini crane hoist (optional)

A small ship is equipped with anchor, mooring and rail devices.

Anchor device provides retention of a small vessel at the anchor point. Anchor device equipment is located in forepeak.

Anchor device consists of: anchors; anchor polymer rope.

Mooring device provides mooring of a small vessel to coastal and floating objects, as well as to unequipped shore.

The mooring device consists of: mooring fenders (two fenders are located onboard at the aft end of a small vessel, two fenders are located onboard at the fore end of a small vessel).

The rail device consists of stationary rails located side by side.

For launching and raising the vessel to the water, cargo rods are provided.

Ship systems:

Small vessel is equipped with an automatic drainage system, ventilation system.

The vessel is equipped with a heating / air conditioning system. (additional option)

On a small vessel, a self-draining cockpit system is provided.

Fuel system with 300 l fuel tank, including fuel gauge sensors.

Possible increase to 800 liters. (additional option)

Power plant:

The power plant consists of two outboard boat motors (engines). (additional option)

(The model and the manufacturer of the engine is agreed with the customer)

Type of engines - four stroke.

The power of each engine is not less than 175 hp

It is also possible to install stationary engines of the same power.

Ship navigation lights include:

- left - red, right - green running lights;
- towing yellow; (additional option)
- stern light; (additional option)
- light pulse signal; (additional option)
- pilot lights according; (additional option)
- fire control switch;
- circular white with an arc of illumination of 360 degrees;
- floodlight with remote control. (additional option)

Main characteristics:

Length 11.0 m

3.5 m wide

Double cylinders d 0.5m (filled with PSB) do not require any repairs during the operation of the vessel

Silence on the transom 21g

4.5 t displacement

Passenger capacity 6-8 people

Recommended motors 2 x 250 hp

Vozmonnye motors 2 x 175 - 2 x 350 hp



Production time 6-8 months., depending on the order.

