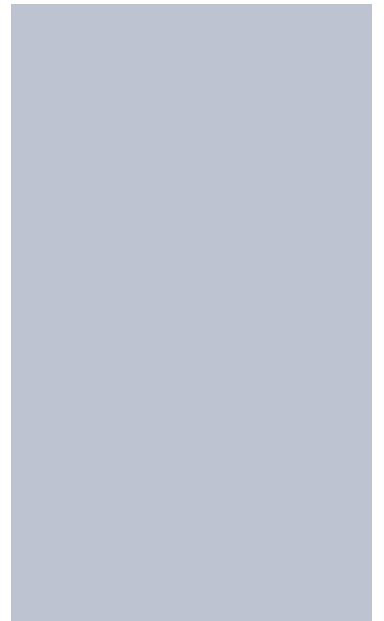
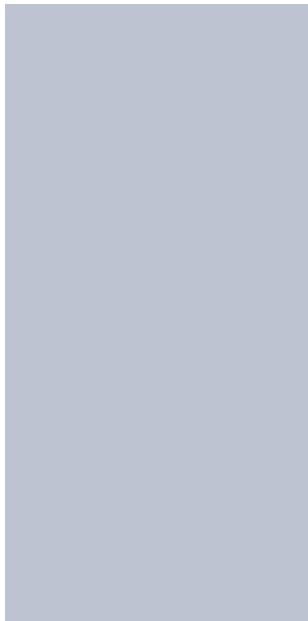




JOINT STOCK
COMPANY
FLEET



HOVERCRAFT





ABOUT THE COMPANY

The staff of the company includes professionals who have been engaged in the design and creation of hovercraft for over 20 years. With the help of our specialists, more than 20 types of craft were produced and launched. The company plans to launch a product line of extensive modification, which differs not only in the number of seats (from 8 to 25), but also in the goals of the application. The production is located in Nizhny Novgorod. Currently up to 100 craft are produced per year. Operational capacity increase is possible.



**Our company offers comprehensive engineering solutions
in the field of shipbuilding convenient for the implementation**

**Our crafts make river traffic available
for you at any time of the year.**



Scientific partners:



HOVERCRAFT – ALL-SEASON CROSS-COUNTRY TRANSPORT



Shallow water



Rough terrain



Ice and hummocks



Wetlands



River banks without infrastructure

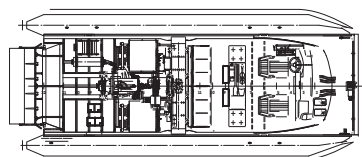
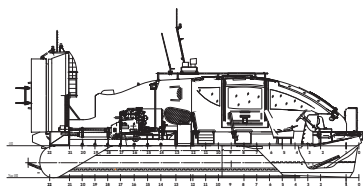


MARS-10 IS A UNIVERSAL VEHICLE

The hovercraft Mars 10 is designed for comfortable operation over water, overgrown shallow water, sand banks, snow and any other relatively flat surface, including loose snow, along rivers during ice drift and freeze-up. The boat has a high maneuverability and can be used to supply remote settlements, for passenger and freight transportation, protection of water bodies, as well as a type of official vehicle for law enforcement structures.



SPECIFICATION	VALUE
Hovercraft type	Skeg scheme of flexible fencing
Operation area	Inland waterways and lakes
Overall length, m	8
Overall width, m	3,6
Transportation width, m	2,4
Overall height, m	3,3
Transportation height, m	2,4
Doors	2doors like "wing of seagull" on vessel boards
Cabin dimensions (length, width, height), m	3,6 / 2,0 / 1,4
Passenger capacity, person	Up to 10 people including the boatmaster
MAX SPEED	
On water, km/h	75
On the snow/ ice, km/h	90
On grass, km/h	55
ENGINE	
Capacity, h.p. (IVECO F1C)	146; 197
Travel range, km	Up to 750 with additional tank



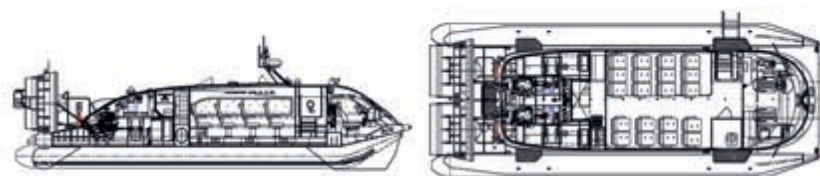
MARS-20 IS A UNIVERSAL VEHICLE



The hovercraft is designed for year-round transportation of passengers on inland water basins, as well as on snow and ground surfaces at air temperatures from -35°C to +55°C.



SPECIFICATIONS	VALUE
Hovercraft type	Skeg scheme of flexible fencing
Operation area	Inland waterways and lakes
Overall length, m	13,03
Overall width, m	5,06
Transportation width, m	3,6
Overall height, m	5,06
Transportation height, m	2,46
Passenger capacity, person	Up to 20
MAX SPEED	
On water, km/h	60
On the snow/ice, km/h	90
On grass/sand, km/h	60
ENGINE	
Brand/model	2 x IVECO F1C
Capacity of one engine, h/p	197
Travel range, km	500

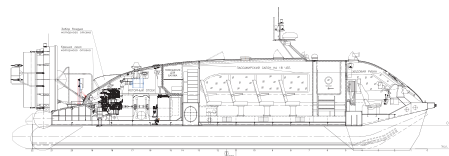
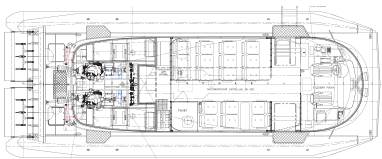




MARS-25 IS A UNIVERSAL VEHICLE

The hovercraft is designed for year-round use on water, land, snow and ice, shallows and shallow water. The craft can be operated at low temperatures and in harsh weather conditions.

SPECIFICATIONS	VALUE
Hovercraft type	Skeg scheme of flexible fencing
Operation area	Inland waterways and lakes
Overall length, m	14,0
Overall width, m	5,06
Transportation width, m	3,6
Overall height, m	5,06
Transportation height, m	2,46
Passenger capacity, person	Up to 25
MAX SPEED	
On water, km/h	60
On the snow/ice, km/h	90
On grass/sand, km/h	60
ENGINE	
Brand/model	2 x IVECO F1C
Capacity of one engine, h/p	197
Travel range, km	500



ADVANTAGES OF OUR HOVERCRAFT

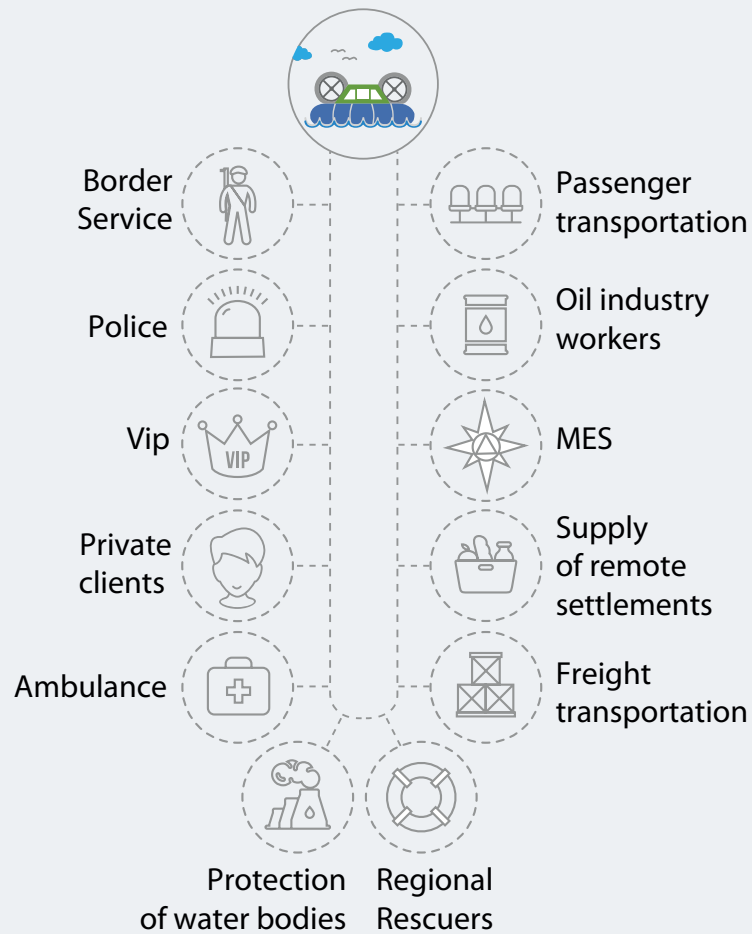


- » High maintainability and ease of maintenance;
- » Low level of noise;
- » Transportation on a trailer by public roads without the traffic police approval;
- » Branded maintenance program;
- » Training of navigators;
- » Two-year guarantee.

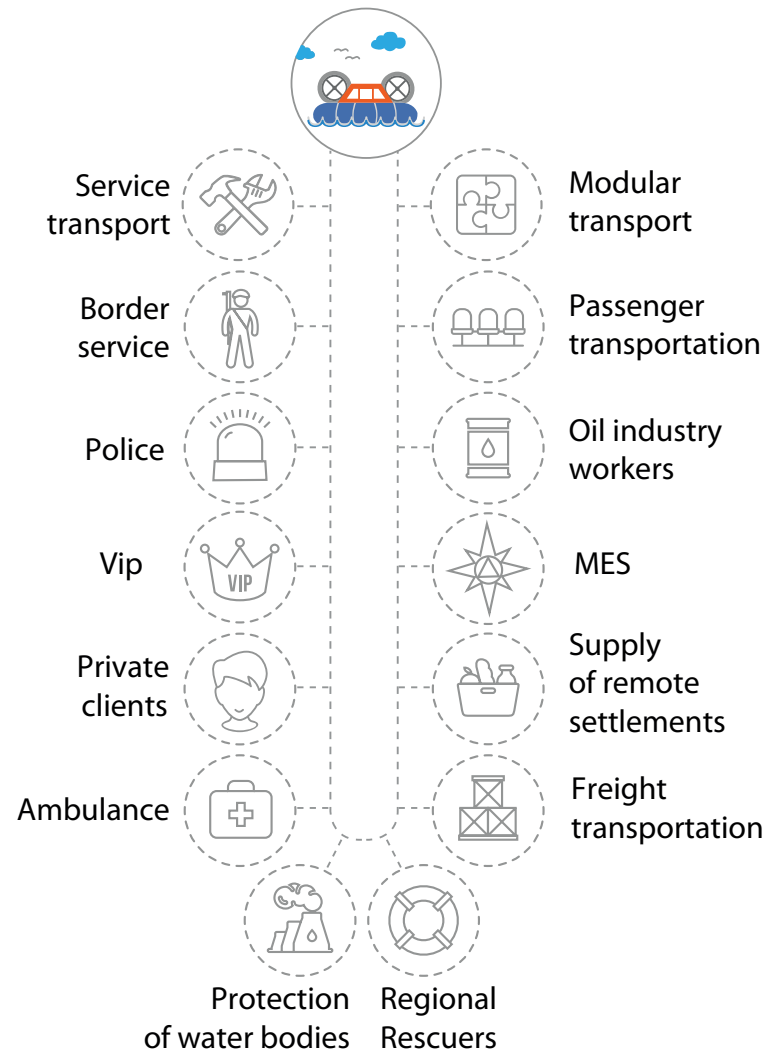
- » Travel range up to 750 km;
- » Metal screw in a standard model;
- » CC with anti-icing system;
- » Metal hull provides durability, and lightweight cabin made of fiberglass - high heat and sound insulation;

Area of usage

MARS-10



MARS-20/25



MODULAR HOVERCRAFT



This type of craft is applicable for the transport of goods and passengers on waterways, emergency assistance in remote areas, performing special operations, patrolling and emergency response on water bodies.

POSSIBILITY OF INSTALLATION OF THE FOLLOWING REPLACEABLE MODULES:

- | | |
|--|---|
| 1. Medical module for evacuation and resuscitation injured people | 4. Passenger module for passenger transport on regular routes |
| 2. Cargo module for delivery of goods to remote areas | 5. Module generator installation |
| 3. Refueling module for the implementation of LNG filling stations in cryogenic vehicles tanks | 6. "Shift" module for the delivery of personnel to the place of the rotational, emergency, construction, repair and other works |

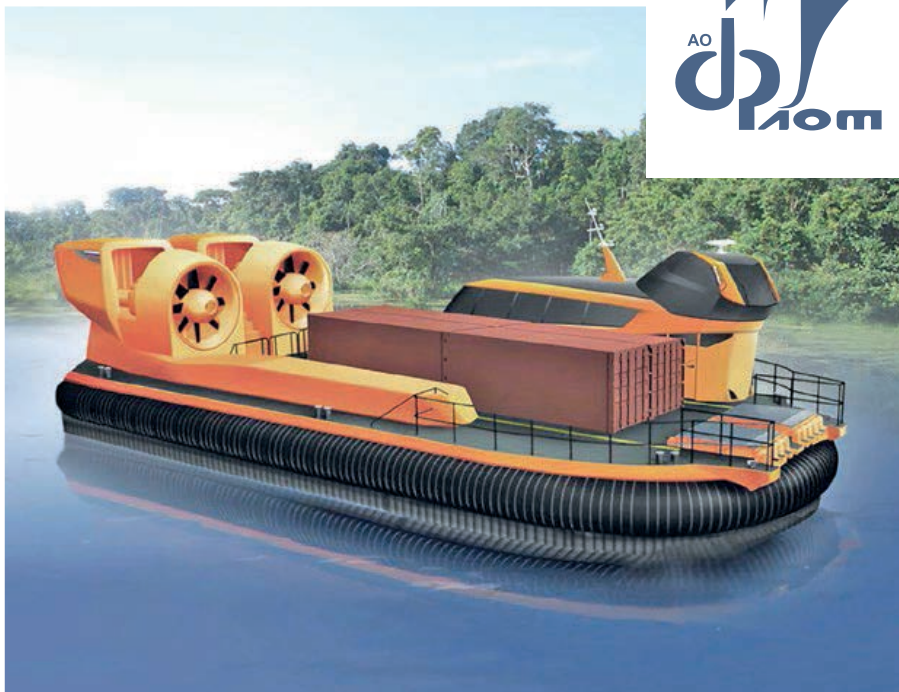
SPECIFICATIONS AND COMPONENTS OF HOVERCRAFT FOR ARCTIC:

- » possibility of installing liquefied natural gas engines
- » equipping the craft with a night vision system for operation in polar night conditions





HOVERCRAFT CARGO PLATFORM



A constructive type - amphibious air hovercraft with flexible fencing, aft arrangement of gas turbine engines with a cargo platform to accommodate passenger and cargo container, all kinds of units (such as the cargo part of the truck crane).

The area of operation is water basins of the "M" class, as well as snowy and unpaved surfaces without limiting the bearing capacity with a relief of up to 0.7 m at an outdoor air temperature from -4C to + 40C.



SPECIFICATIONS	VALUE
Overall length, m	25,0
Overall width, m	12,0
Hull height, m	7,0
FF height, m	bow 1,41/ stern 1,05
Full displacement, t	50,0
Payload, t	25,0
Dimensions of the cargo platform, m	18,0 x 3,5
Max speed in full load, km/h	100
Travel range, km	700

ALTAIR

high-speed passenger ship



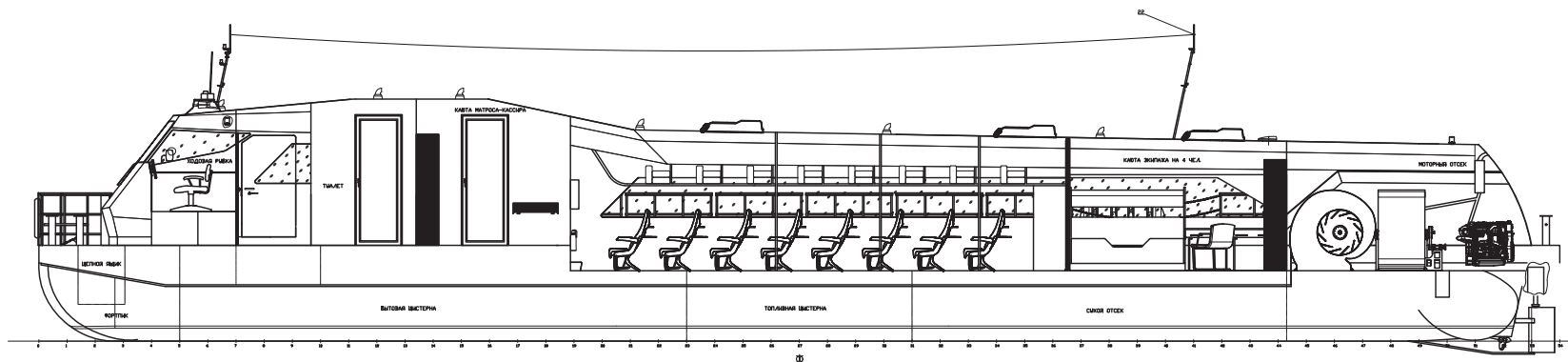
The ship is intended for carrying passengers. Due to a small draft it can move through shallow water, approach the unequipped shore, ensuring passengers land on it. High profitability and speed qualities are ensured by applying the dynamic principle of maintenance (air cushion).

The "Altair" type vessels have a serious potential for the river use (including small rivers) in Siberia and the Northern Urals. There is an export potential: passenger ships with low draft are used on the rivers and channels of Europe, South America, China, Southeast Asia.

CHARACTERISTIC	VALUE
Overall length, m	27,0
Overall width, m	5,80
Height of the hull, m	6,63
Full displacement, t	31,15
Payload, t	7380
Crew	5
Passenger capacity, people	55-70
Cruising speed	45
Maximum operational wave height, m	1,2
Cruising range, km	500
Serial engine (make, model)	IVECO N series
Number of engines, pieces	2 propulsion (450 hp) + 1 injection (250 hp)
Fuel type	Diesel
Mover (type)	propeller in the tunnel and nozzle
Number of movers, pcs	2
Type of air-cushion fencing	Rigid skegs with flexible bow and stern fences
Supervisory (registering authority)	RRR, RMRS



ALTAIR SCHEME



SIRIUS BOAT



"Sirius" is a multifunctional boat designed for the transportation of passengers and cargo, work on the water, including oil spill response, patrolling and performing other operational tasks.

The boat is made of intrinsically safe aluminum-magnesium alloy, which provides a lightweight of the ship, and also allows to perform work in the oil slick.

Bow ramp installed in the modification of the "LARN" boat, is intended for work on water and booms installation, as well as for loading and unloading the equipment.

The boat can be equipped with outboard or stationary engine.

The passenger capacity of the vessel is 12 passengers, including the crew.

SPECIFICATIONS	VALUES
Hull length, mm	7500
Hull width, mm	2480
Board height, m	1
Stern and fore locker	Available
The autonomy of cruising, h	10
Permissible operating temperature (air)	from -5 C° to +45 C°
Permissible operating temperature (water)	from +2 C° to -30 C°
Ramp width, mm	1300
Ramp drive type	hydraulic
Passenger capacity (including the crew), pers.	12
Crew, pers.	1
Max speed (without load), knots	25
Engine type	outboard / stationary
Engine capacity, h.p.	up to 200 h/p
Fuel tank capacity, l	250 l
Battery with mass breaker, pcs	1
Remote control, kit	1
Fuel system, kit	1
Running lights, kit	1
Dashboard, kit	1





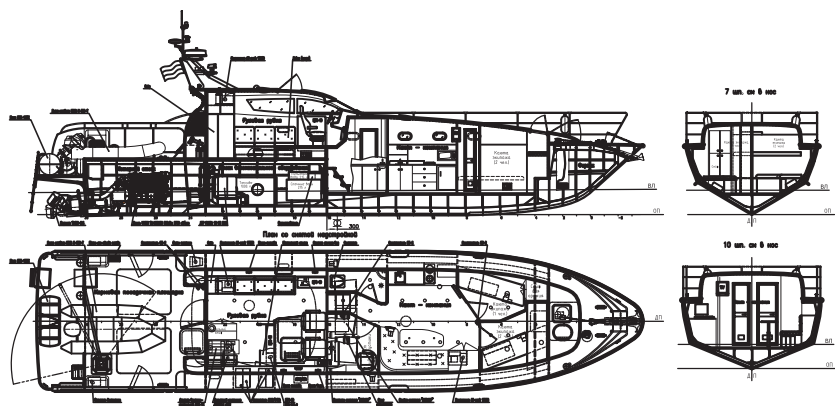
ONYX speedboat

The boat can also be used as a traveling boat, communication boat, health service boat, etc.

This type of a boat is a High Speed Special Purpose Vessel (patrol boat) with a central superstructure and wheelhouse, aft arrangement of the engine compartment and water jet movers.

The boat is designed for the "XM-SP 3.0 / 1.2 Hydrofoil" class according to the classification of the Russian River Register.

SPECIFICATIONS	VALUE
Overall length, m	17,53
Max length, m	16,1
The length by waterline, m	14,6
Overall width, m	4,3
Max width, m	4,0
Waterline width (midship), m	3,8
Board height amidships, m	2,00
Minimum height (in the stern), m	1,55
Waterline draft, m	0,65
Height from the MD (without mast), m	3,6
Full displacement, t	22,0
Type of main power plant	diesel
Number of main engines	2
Power of the main power plant, kW (hp)	2 × 550 (2 × 750)
Type of propulsion	Water jet
Number of movers	2
Maximum speed (not less), km / h	40
Navigation range without refueling, km	370
Crew, persons	3



ADVANTAGES OF SHALLOWING SPEED SHIPS

1

Can be operated without costly onshore facilities (berthing walls, pontoon berths)

2

Do not require operating costs for the maintenance of the fairways of the rivers, as they have a very small draft

3

High controllability and maneuverability

4

Delivery of goods to objects in the coastal marine zone and offshore

5

A small draft allows them moor for landing and disembarking passengers to flat coastal areas

6

Location of settlements in close proximity to waterways

7

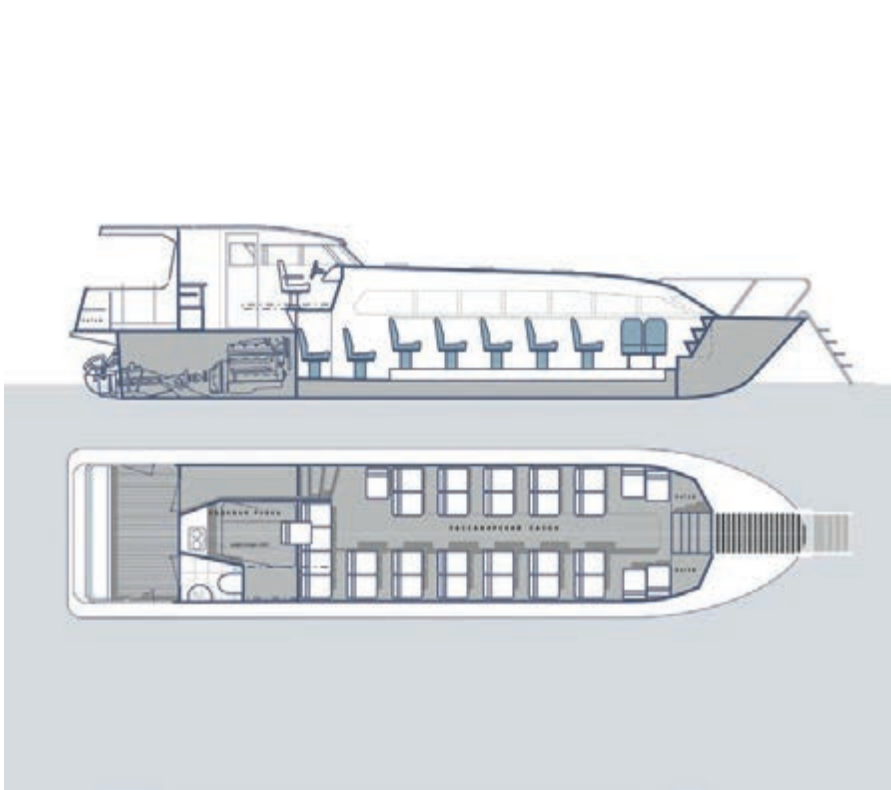
Effective operation on the ultimate shallow water



YAMAL

Jet boat

The high-speed displacement hydrofoil “Yamal” is designed to carry up to 26 passengers and can be used for various purposes. Production flexibility and qualification of the employees allow to quickly make changes to the project, maximally satisfying the wishes of the customer.



SPECIFICATIONS	VALUE
Overall length, m	14,7
Overall width, m	3,4
Overall height, m	3,3
Passenger capacity, pass.	Up to 26
Max speed (no less than), km/h	35
Maximum power of the main power plant, h.p	Up to 480
Navigation range without refueling, km	400

ORION

Jet boat



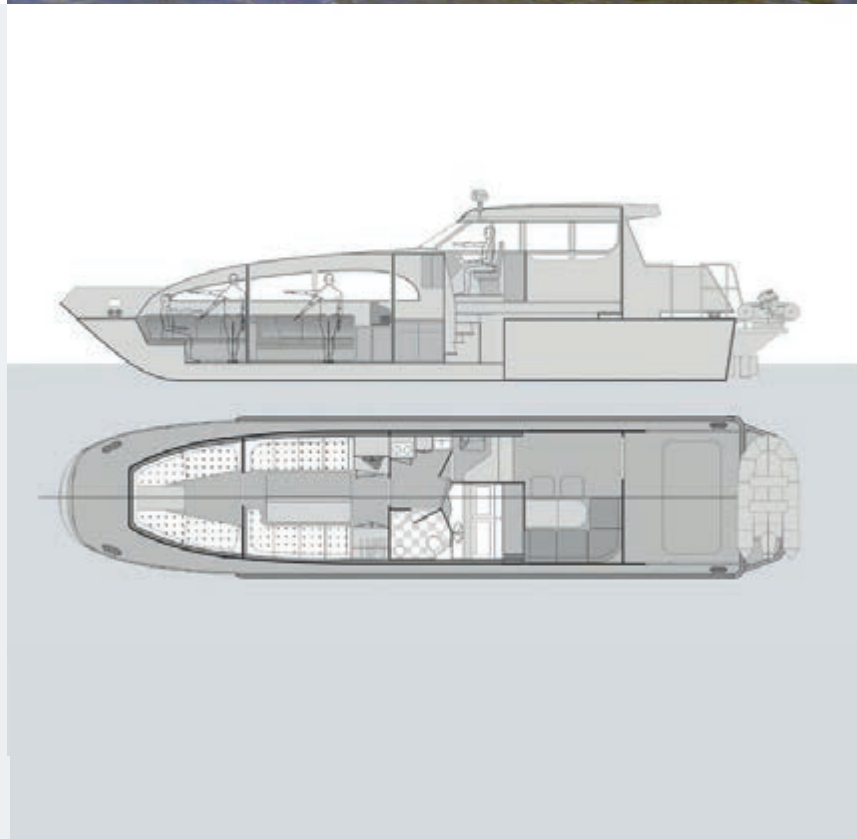
High-speed jet boat "Orion" can be used as a service-traveling ship.

Thanks to a small draft and a flat bottom, it can freely move even over stony shallow water, go out onto an unequipped shore.

The materials used in the production make it possible to guarantee the reliability and safety of the boat.



SPECIFICATIONS	VALUE
Overall length, m	15,0
Overall width, m	3,4
Overall height, m	3,5
Transportation height, m	2,5
Passenger capacity, pass.	Up to 8
Max speed (no less than), knots	20
Maximum power of the main power plant, h.p	Up to 480
Navigation range without refueling, km	400





FISHING CARGO REFRIGERATOR BOAT

OPERATING CONDITIONS

Large and small rivers (including non-navigable), lakes, reservoirs.

RUNNING PERFORMANCE

Course stability and maneuverability, small radius of circulation at waves of up to 1.2 m and shallow depths up to 0.6 m.

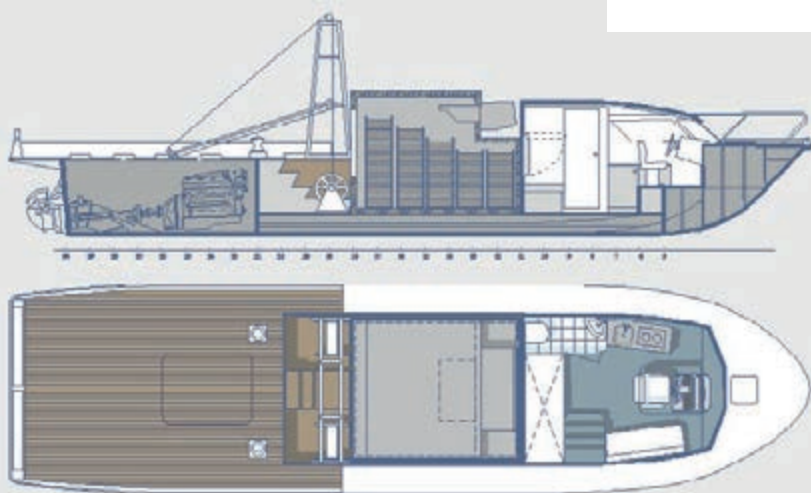
DESIGN FEATURES

Steel hull, aluminum superstructure, water jet, comfortable working conditions for the crew (galley, toilet, heater). Installation of additional equipment in accordance with customer requirements. The dimensions and the weight of the boat allow you to deliver it to any region of Russia by road, rail and water transport.

SPECIFICATIONS	VALUE
Overall length, m	14,7
Overall width, m	3,2
Displacement, t	Up to 12,5
Draft amidships, m	Up to 0,52
Number of beds, persons	2
Engine	ЯМЗ 236H
Power kW / hp	125/170
Propeller	Water jet
Speed, km / h	Up to 25
Travel range without refueling, km	700
Load capacity, t	4,2
RRR class	«O 1,2»

SPECIFICATIONS OF THE REFRIGERATING INSTALLATION

SPECIFICATIONS	VALUE
Volume of thermal container, m3	8
Set of trays, pcs	50
Refrigeration unit	Termo king CD-30 max
Cooling capacity, W	3450
Autonomous drive	Diesel
Adjustment range	
Container temperatures	from +3 to -30



CARGO REFRIGERATOR BOAT



OPERATING CONDITIONS

Large and small rivers (including non-navigable), lakes, reservoirs.

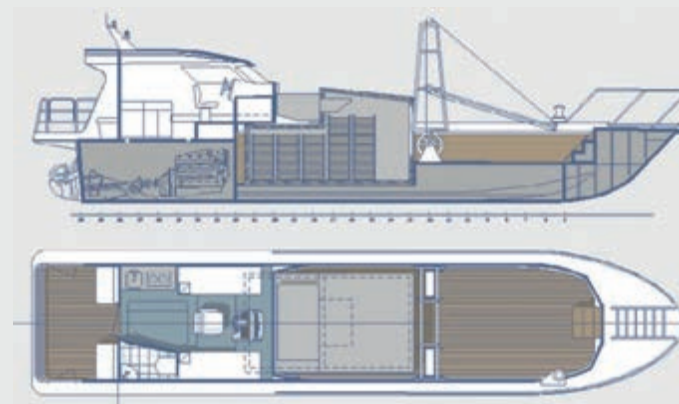
RUNNING PERFORMANCE

Good handling, small circulation radius on swell of up to 1.2 m and shallow depths up to 0.6 m.

DESIGN FEATURES

Steel hull, aluminum superstructure, water jet, good working conditions for the crew (galley, toilet, heater). Installation of additional equipment in accordance with customer requirements. The dimensions and weight of the boat allow you to deliver it to any region of Russia by road, rail and water transport.

SPECIFICATIONS	VALUES
Overall length, m	14,1
Overall width, m	3,2
Displacement, t	Up to 12,5
Draft amidships, m	Up to 0,52
Number of beds, persons	2
Engine	ЯМЗ 236H
Power kW / h.p.	125/170
Propeller	Water jet
Speed, km / h	Up to 25
Travel range without refueling, km	700
Load capacity, t	4,2
RRR class	«O 1,2»



SPECIFICATIONS OF THE REFRIGERATING INSTALLATION

SPECIFICATIONS	VALUES
Volume of thermal container, m3	8
Set of trays, pcs	50
Refrigeration unit	Termo king CD-30 max
Cooling capacity, W	3450
Autonomous drive	Diesel
Adjustment range	
Container temperatures	from +3 to -30



BUOY TENDER

OPERATING CONDITIONS

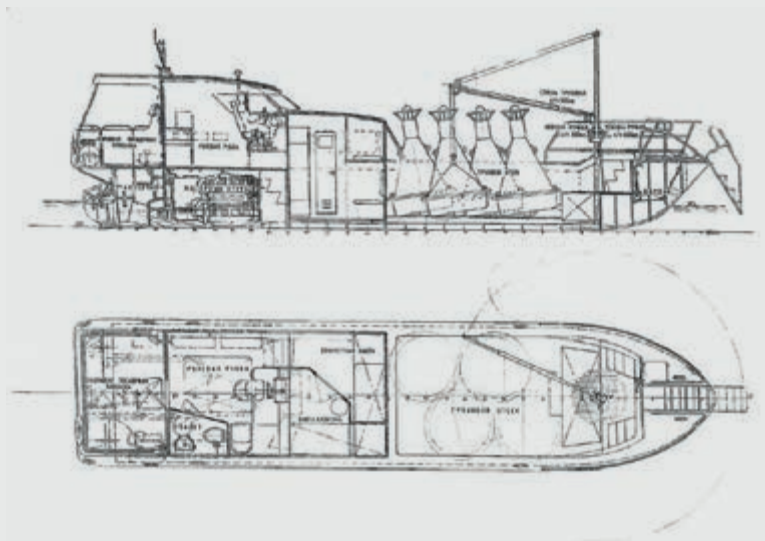
Large and small rivers (including non-navigable), lakes, reservoirs.

RUNNING PERFORMANCE

Good handling, small circulation radius at waves of up to 1.2 m and shallow depths up to 0.6 m.

DESIGN FEATURES

Steel hull, aluminum superstructure, water jet, good working conditions for the crew (galley, toilet, heater). Installation of additional equipment in accordance with customer requirements. The dimensions and weight of the boat allow you to deliver it to any region of Russia by road, rail and water transport.



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Overall length, m	14,1
Overall width, m	3,2
Displacement, t	Up to 12,5
Draft amidships, m	Up to 0,52
Number of beds, persons	2
Engine	ЯМЗ 236H
Power kW / h.p.	125/170
Propeller	Water jet
Travel range without refueling, km	Up to 25
Travel range without refueling, km	700
Load capacity, t	4,2
RRR class	«O 1,2»



Production is localized in Nizhny Novgorod.

Currently, the production capacity provides for the production of up to 100 vessels per year.





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of shipbuilding convenient for the implementation**

**Our crafts make river traffic available
for you at any time of the year.**

Joint Stock Company Fleet