

Amphibious hovercraft PARMA 15



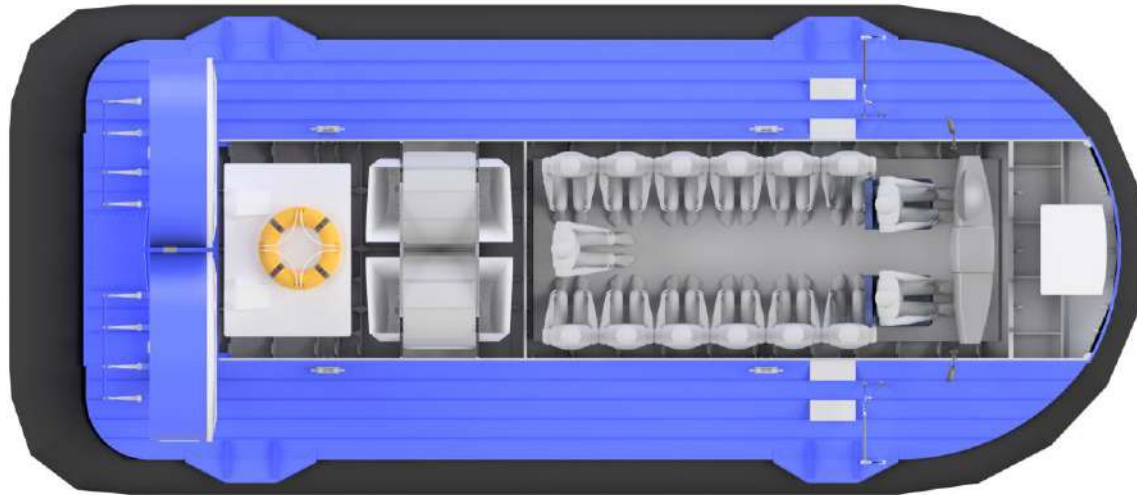
SPECIFICATION

	Parma 15
Main dimensions (length x width), m	9.1 x 4.1
Air cushion height (clearance), m	0.55
Maximum passenger capacity, pers.	14
Minimum crew	1
Payload, t	1.4
Cabin length, m	4.0
Cabin height x width, m	1.6 x 1.8
Engine brand / engine type	Cummins ISF2.8 / diesel
Engine power x number of engines	130 hp x 2
Fuel capacity, l	300
Average fuel consumption (water / ice), l / h	30/20
Operating speed (water / ice), km / h	45/50
Maximum speed (water / ice), km / h	80/100

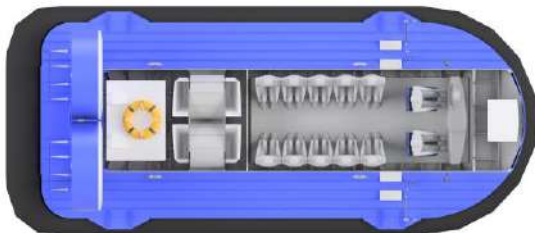
INTERIOR OPTIONS

At the request of the customer and the water area of operation, the vessel can have different options for the internal location, including with cargo areas. The maximum possible capacity is 15 people, including the crew, or about 1.5 tons of payload.

Shuttle passenger craft type: 14 passengers + 1 crew.



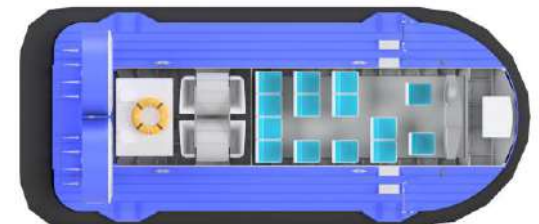
Small craft type
12 pers. including crew.



Cargo craft type
1(2) crew + 1.2 t cargo.



Comfort passenger type
13 passengers + 1 crew.



DESIGN FEATURES

HULL and SUPERSTRUCTURE

Riveted construction made of corrosion resistant aluminum magnesium alloys.

Hulls of the vessel have several waterproof compartments.

Depth - 0.65 m

Fiberglass sandwich type

Color scheme at the request of the customer

Spacious cabin with double glazing

Cargo hatch

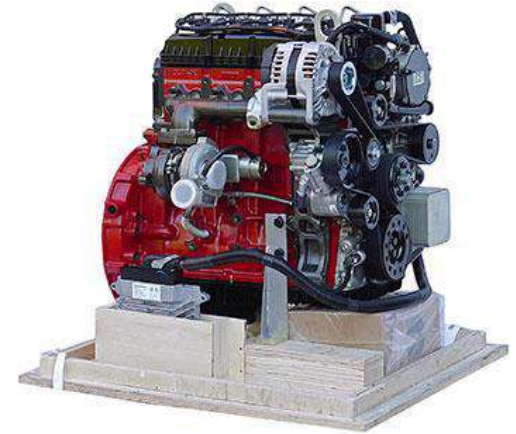
ENGINES

Two Cummins ISF2.8 diesel engines rated at 130 hp.

PROPULSION

Variable pitch low-noise propellers in aerodynamic nozzles
propeller pitch change electric amplifiers

Composite Propeller Blades

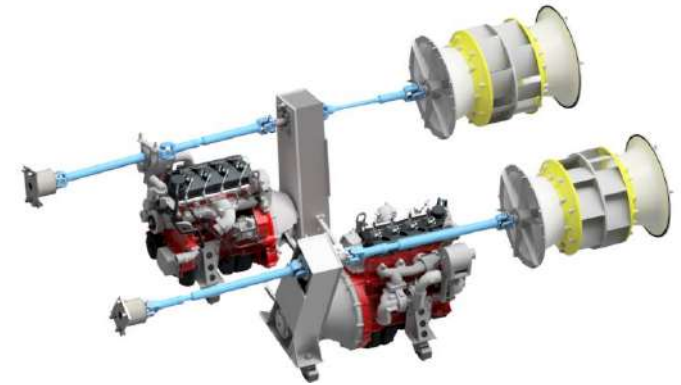


LIFT FANS

Two high-speed centrifugal fans on the left and right side

Composite fan structure

Possibility of rise on one fan



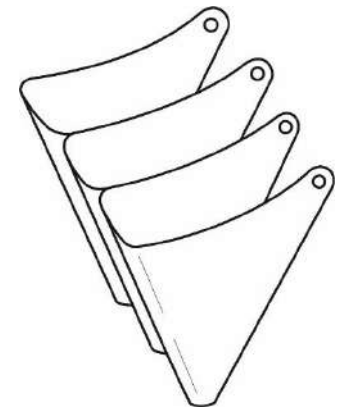
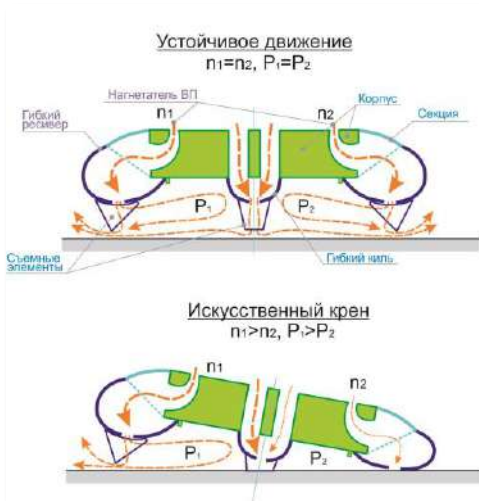
FLEXIBLE SKIRT AIR CUSHION

Skirt-style bunk curtain with removable fingers in the lower tier

Skirt apron against splashes

Material - rubberized nylon

Possibility of roll by creating different pressure on the air cushion P_1 and P_2 on the left and right side



HOVERCRAFT SYSTEMS AND DEVICES

Ballast system

Fire system

Trim Control System

The system for monitoring the position of the angle of attack of the blade

Drainage system

Heating system

Ventilation system

Autonomous heating system (two Hydronic heaters)

Fuel filtration system

Trip controller for the operation of the engine type Multitronics

Lifting and towing device (4 eyebolts)

Life-saving appliances (lifejackets, lifebuoys, liferafts)

Search Lights

Lightning rod, 12V sockets, handrails

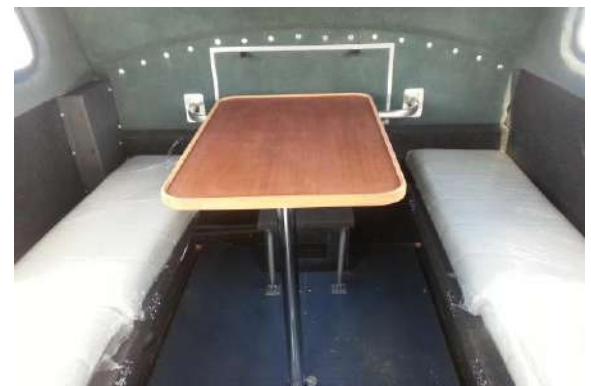
Navigation lights and flashing light

Dashboard with drawers, cup holders, heating nozzles

Triplex windshield with wiper blades and washer nozzles



Photos interior options



Photos exterior



Videos



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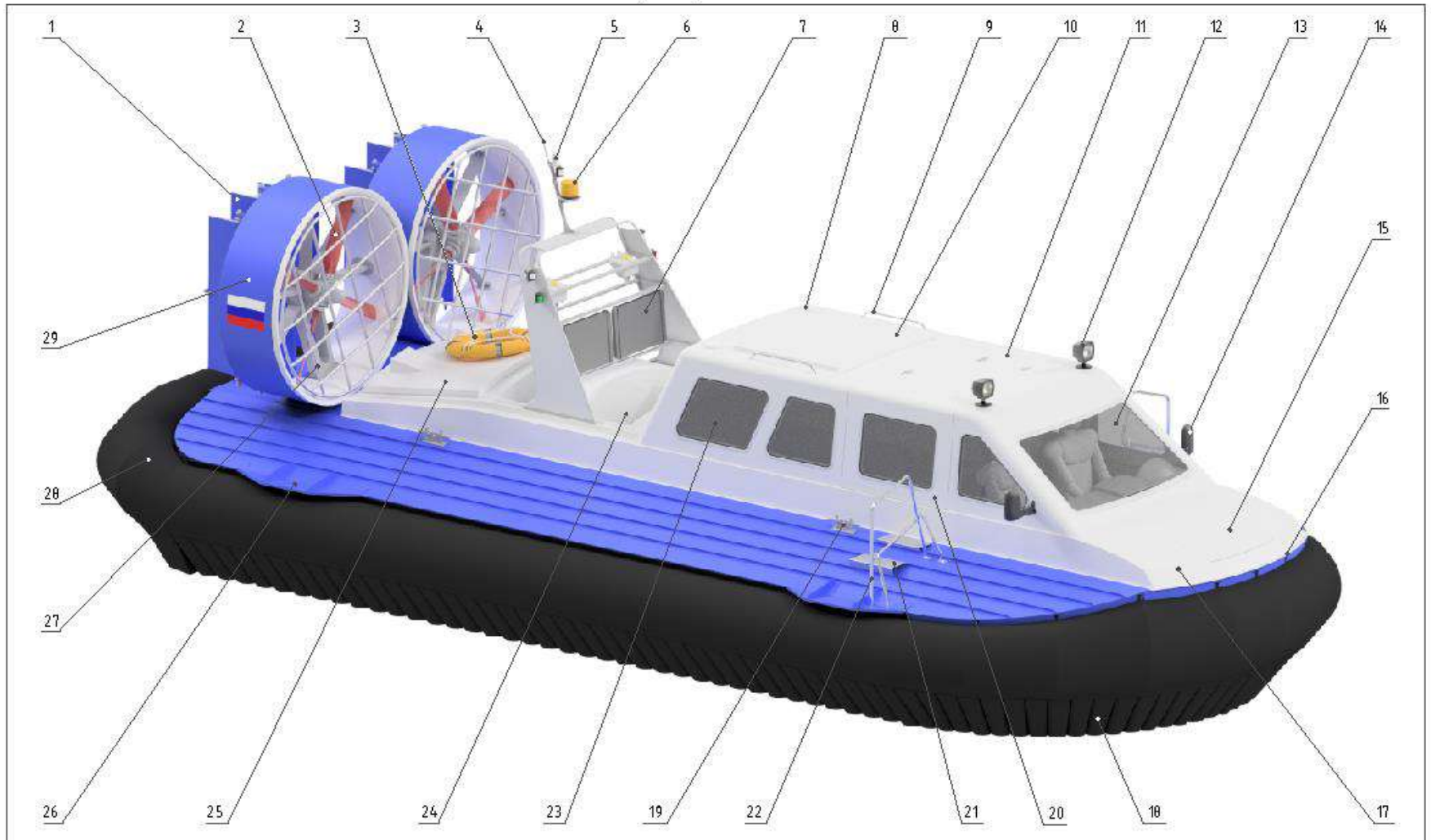


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Air-Cushion Vehicle (Hovercraft) Neptune 15 type passenger version

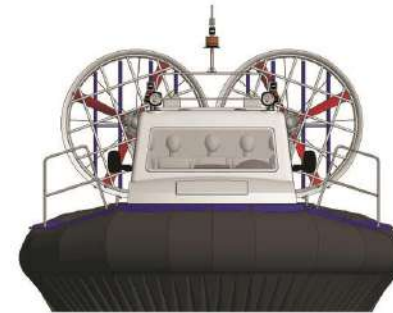


- 1. Rudders (8 pcs).
- 2. Variable pitch propellers (2 pcs).
- 3. Lifebuoy.
- 4. Lightning conductor.
- 5. Navigation lights.
- 6. Orange flashing light.
- 7. Mast. Water-air radiators.
- 8. Ventilation.
- 9. Handrails.

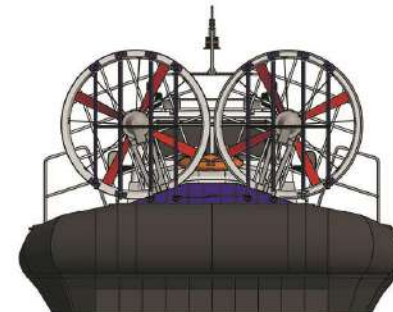
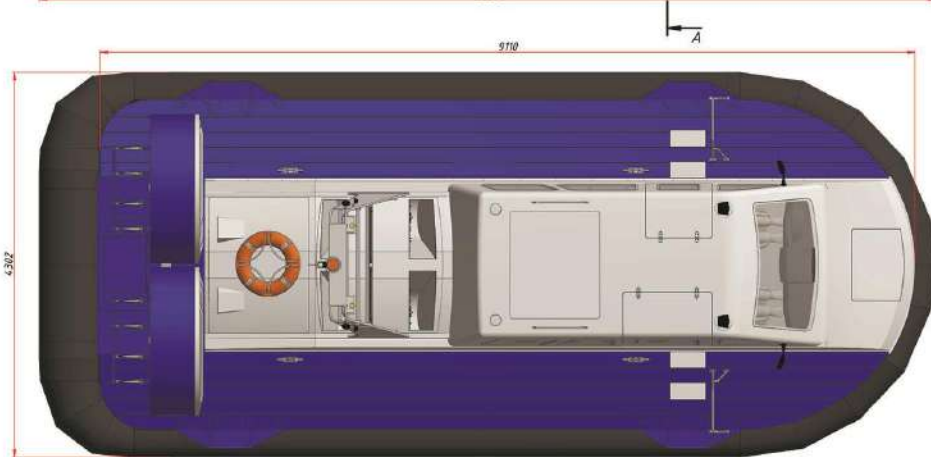
- 10. Hatch.
- 11. Left side door, width 700 mm.
- 12. Headlight-finder (2 pcs.).
- 13. Electric Windshield.
- 14. Electrically heated windscreen.
- 15. Bow hatch.
- 16. Nasal profile.
- 17. Cabin fiberglass sandwich. 15 seats.
- 18. Removable skirt elements.

- 19. Bollard lifting and mooring (4 pcs.).
- 20. Starboard door, width 950 mm.
- 21. Steps with a grooved finish.
- 22. Stainless steel handrail.
- 23. Polycarbonate double glazing.
- 24. Air cushion air intake.
- 25. Engine compartment. Engines Cummins or Iveco (2 pcs.)
- 26. Hinged section. Crinoline.
- 27. Protective mesh.

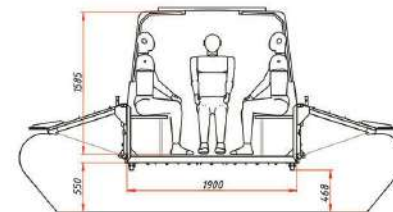
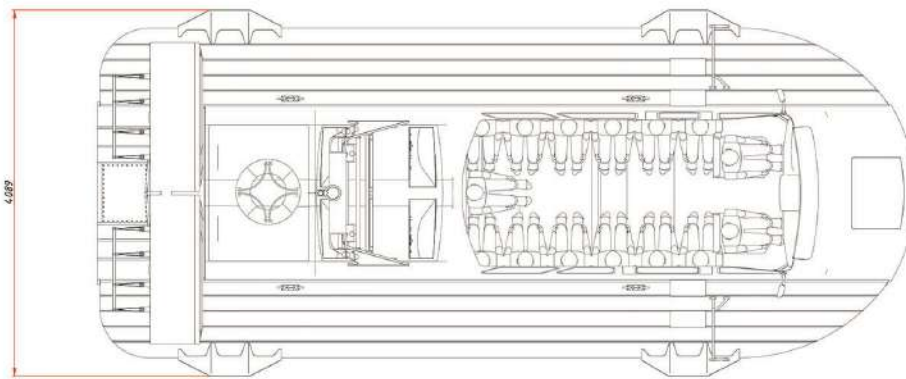
- 28. Air cushion flexible fence. Receiver.
- 29. Aerodynamic nozzles of propellers.



B (1:25)



A-A (1:25)



BASIC DATA:
 Vessel class (RRR) – Small size Category 3
 Hull Length – 9.1 m
 Width with skirt – 4.3 m
 Height of the air cushion – 3.4 m
 Full displacement – 3.8 t
 Payload – 14 t
 Passenger capacity – 11-14 persons.
 Crew – 1 person
 Air cushion height – 0.5 m
 Engine power – 2x95 kWt
 Fuel capacity – 300 l
 Operational speed (water) – 50 km / h.

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						Hovercraft Ltd.	

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