

“ZUBR” AIR-CUSHION LANDING SHIP OF AMPHIBIOUS TYPE

GENERAL INFORMATION

Ship class – landing ship



Type – gas turbine air-cushion landing ship of amphibious type.

Designation – transportation of warlike equipment up to 150 tons by sea or landing troops up to 500 people with their landing onto unequipped shore, fire support.

SPECIFICATION



Full displacement, t	550
Overall length on air cushion, m	57.3
Beam overall, m	25.6
Overall height on air cushion, m	21.9
Max. speed, knots	60
Cruising range, miles	300
Endurance, days	5
Crew, pers.	27

The ship is able to mount a soil bank 1,6 meters high and shore inclination from stop up to 5 degrees.

The ship remains afloat with any two compartments flooded with a positive stability.
The ship shall be continuously operated on water within not more than 7 days (flexible
railing operation is limited).

Cruising range is:

- With cargo 150t and 38t of fuel, water and oil – over 175 miles;
- With cargo 131t and 57t of fuel, water and oil – over 300 miles ;
- With cargo 115t and 73t of fuel, water and oil – over 400 miles. .

ARMAMENT



Anti-aircraft

Four portable sets of anti-aircraft complexes type "Iгла -1M".



Artillery

Two automatic plants type AK-630 (ammunition - 3000 shells) and fire control system MP-123-02.



Rocket

Two launching plants MC-227 for uncontrolled rocket shells (ammunition - 66 shells) and fire-control system.



Mine

Portable set for laying from 20 to 80 mines, depending upon their type.

SHIP MACHINERY AND PERSONNEL CARRYING ABILITY

The ship can transport warlike equipment and landing troops composed of:



3 tanks with the total weight up to 150 tons



8 combat vehicles with the total weight of 115 tons



10 armored personnel carriers with the total weight of 131 tons



The ship can transport landing troops up to 500 people without warlike equipment

INFORMATION ABOUT THIS TYPE OF SHIP OPERATION



Air cushion landing ships are being operated now by Russian and Ukrainian Navy. Since 2002 Greek Navy has put 4 ships of this type into operation.

SHIP SYSTEMS



POWER PLANT

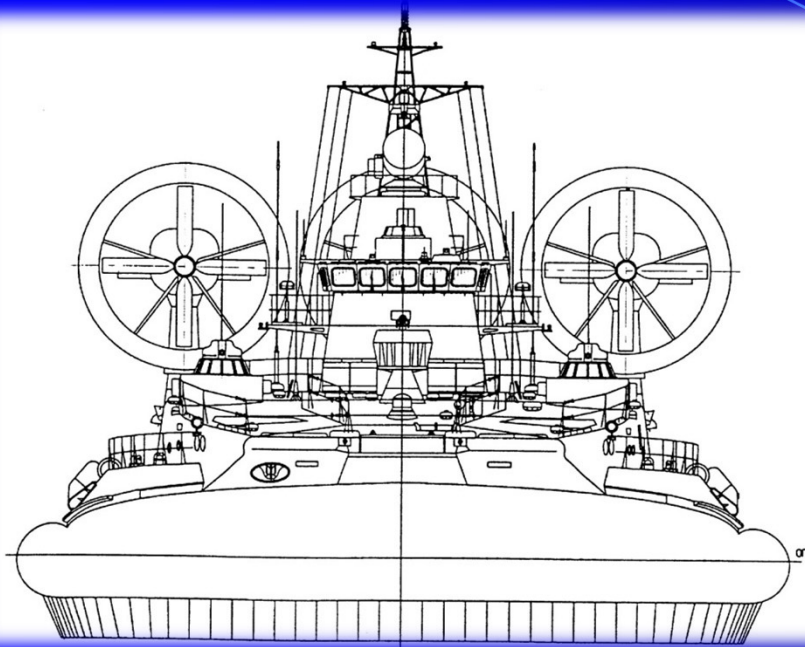
Main power plant

The ship is equipped with 5 main gas-turbine engines with a power 7360 kW (10000 h.p.); three of them being tractive for driving airscrew propellers and two of them being forcing for driving blowers.

Auxiliary power plant

The ship is equipped with four gas-turbine generators with a nominal power of 100 kW.

SHIP ARRANGEMENTS



Steering arrangement

Anchor gear

Mooring arrangement

Towing arrangement

Life-saving equipment

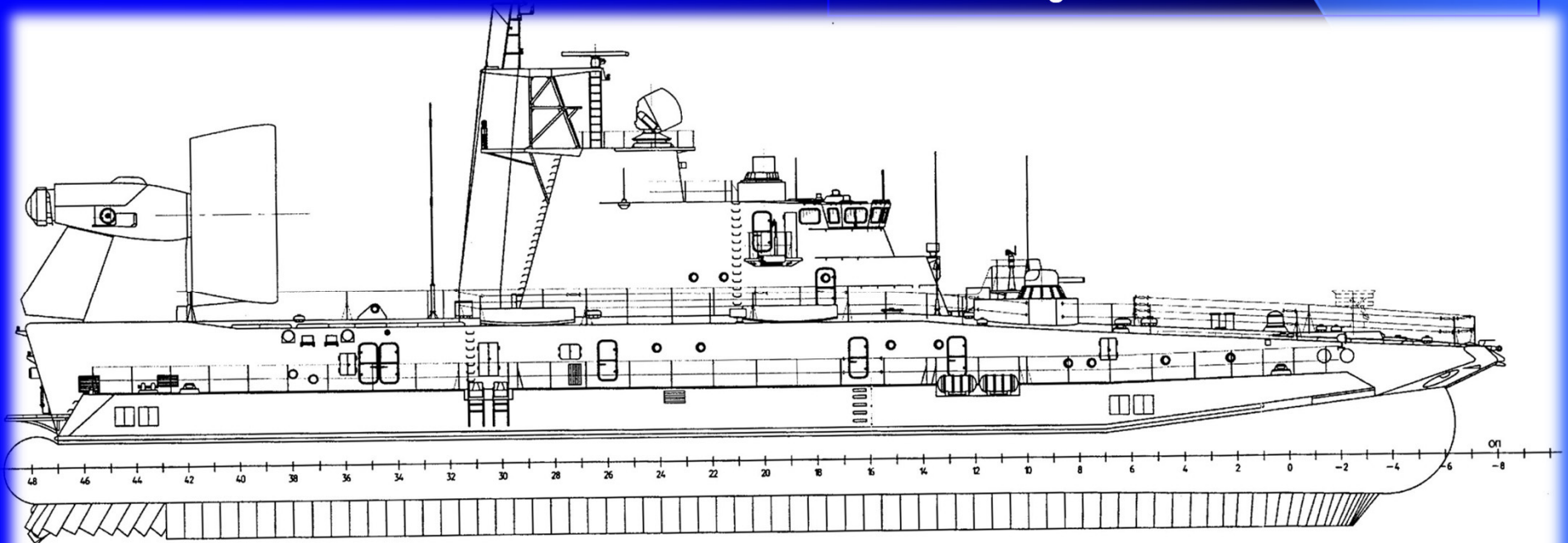
Arrangement for refueling afloat

Arrangement for lifting the ship with a crane

Arrangement for shipping and unshipping vehicles

Arrangement for lashing vehicles

Flexible railing



COMMUNICATION AND NAVIGATION



- Automatic communication unit (AKC) «Buran-6Э». ;
- All-wave radio receiver «Brigantina».
- Radio equipment set ГМССБ (SOLAS-74) ;
- Sighting device БНЦ-452
- Sea night blinking device МСНП-250М1;
- The structure of the lights corresponds to the Rules of МППСС-72;
- Radar stations;
- Gyro compass;
- Magnetic compass;
- Drift log;
- Satellite navigational equipment;
- Receiving indicator system “Dekka”;
- Radio direction finder;
- Central gyroscopic system;
- Day-and night sighting device.

MAINTENANCE AND SPARE PARTS DELIVERY



Small air cushion landing ship is completed with spare parts and special machinery for servicing all kinds of equipment, mechanical plants, systems, gears and armament, that are delivered with the ship in accordance with the norms of Supplier's Navy.

The Company can give technical support on repairing the ship in the country of the Customer with the involvement of high-class specialists.