



Bogomol

Mission

The Project 02065 Bogomol patrol boat is designed to carry out patrol missions and destroy enemy torpedo, patrol and gun boats with artillery fire.

Armament

- 76.2mm AK-176M automatic gun mount (152 rounds) with automatic control from the Vympel-AME radar and back-up control from a sighting station and sighting devices. The firing range is 11.6 km, rate of fire - 120-130 rds/ min;

-30mm AK-630M automatic artillery mount (2,000 rounds) with automatic control from the Vympel-AME radar and back-up control from a sighting station. The firing range is 4-5 km, rate of fire – 4,000-5,000 rds/min;

- 12 Iglá-type MANPADS with firing range of 0.5 to 5 km against targets flying at the altitudes of 10 to 3,500 meters.

Electronic equipment

-30mm and 76.2mm fire control system MR-123-02C Vympel-AME;

-MR-102 navigation radar system;

-Nikhrom-RR IFF system.

Navigation equipment

-Liman 18M1 navigation radar station;

-GKU-1 gyrocompass;

-KM69-M2 magnetic compass;

-IEL-1 electromagnetic log;

-NEL-M3B echo sounder;

-AP-3P-125A dead-reckoning tracer;

-ARP-58SV radio direction-finder;

-receiver-indicator of Deka (or Loran) Pirs-1M (or Gals or KPI-5F) ground-based radio-navigation system.



Communications equipment

- R-638-3-4 HF radio;
- Skalyar K11A-1 HF radio;
- R-625 VHF-UHF radios.

The patrol boat can be optionally equipped with the Rubin-E communications system.

Main propulsion plant

The boat is powered by three M520 TM5 diesel engines (3,530 kW / 4,800 hp). Electric power is supplied by DGF2A 100/1500 and DGR2A 200/1500 diesel-generators. Also installed EKPA-2/150 electric compressor.

Main characteristics:

- Displacement, full load, t: 251
- Basic dimensions, m:
 - length: 40.2
 - beam: 7.6
 - depth, midship: 4.0
 - draft midship, full load: 1.99
- Speed, knots:
 - maximum: 35-36
 - economical: 12
- Operational range (economical speed), n.m.:
 - full fuel load: 1,700
 - max fuel load: 2,500
- Seaworthiness, sea point: up to 7
- Endurance, days: 7
- Complement: 25



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