



## Boomerang

### Abreast of the times – perfection itself

An amphibious armoured vehicle with 8x8 wheel arrangement.

While developing the armoured vehicle all modern requirements of the world market have been taken into account and designers adopted a new layout scheme. The new design includes the driver's compartment in the front left part of the vehicle with the engine-transmission block to the right, the combat compartment is in the middle and the troopers are seated in the rear of the vehicle.

The Boomerang vehicle can transport up to 11 people. Embarkation and disembarkation of the troops and crew can be organized through upper hatches and a rear door or ramp.

High mobility characteristics and ride comfort of the vehicle are provided thanks to:

- ▶ 8-wheel-drive construction,
- ▶ independent suspension,
- ▶ energy-efficient diesel engine of 750 hp,
- ▶ automatic transmission.

It can easily negotiate various obstacles, pick up speed of over 100 km/h and boasts fuel endurance of up to 800 km.

Protection of the crew and troops is provided by the armoured V-shaped hull, filter-ventilation unit, automated firefighting system and other equipment. The Boomerang has multi-layered protection against kinetic ammunition and explosive devices that can be adjusted depending on the threat and adapted for the Customer's needs.

In the version of an Armoured Personnel Carrier (APC) the vehicle is armed with the Kord 12.7 mm machine gun.

The APC is designed for:

- ▶ transportation of motorized infantry, special forces and units of marine corps during march or forces maneuver, including unprepared forcing of water obstacles,
- ▶ protection of the crew and troops against small arms fire, mines, shell splinters and effects of mass destruction weapons,
- ▶ fire support to the units in combat, engagement of manpower and lightly armoured targets of the enemy.



The Infantry Fighting Vehicle (IFV) is armed with a 30 mm automatic gun, coaxial 7.62 mm machine gun and two launchers with two ATGMs each.

The IFV is intended for:

- ▶ transportation of motorized infantry, special forces and units of marine corps during march or forces maneuver, including unprepared forcing of water obstacles,
- ▶ protection of the crew and troops against small arms fire, mines, shell splinters and effects of mass destruction weapons,
- ▶ conducting battle and providing fire support to the units in combat, engaging manpower, lightly and heavily armoured vehicles as well countering low-flying targets of the enemy.

In terms of tactical, technical and operational characteristics of the firepower, mobility, protection and command manageability the Boomerang vehicles meet modern and future warfare requirements.

Main characteristics:

- Wheel arrangement: 8x8
- Crew+troopers: 3+8
- Total combat weight, IFV / APC, t, not more: 28.6 / 27.6
- Dimensions, mm:
  - length: 8,805±20
  - width: 3,187±20
  - height, IFV / APC: 3,185±20 / 3,120±20
- Road clearance, mm: 475
- Turning radius, m: 13.5
- Max speed on highway, km/h : at least 100
- Max speed afloat, km/h: at least 10
- Negotiated obstacles:
  - ascend, deg.: 30
  - side slope, deg.: 25
  - trench, m: 2.2
  - vertical step, m: 0.6
  - ford, m: amphibious at Sea State 3
- Fuel endurance (on highway), km: at least 800
- Fuel endurance (afloat), h: at least 12
- Engine (type, brand, maximum power): diesel, YaMZ-780, 750 hp
- Transmission: automatic 6-speed
- Suspension: independent, torsion-bar
- Tires: 14R20 with run flat inserts



- All-round view system: available
- Auxiliary powerplant: diesel generator of 8 kW power





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