VBA
Amphibious Armoured Vehicle

Dimensions
- Length: 7.92 m
- Height (hull): 2.31 m
- Overall Width: 2.72 - 3.00 m
- Ground clearance: 0.45 m
- Wheelbase: 2.30 m
- Approach angle: 49°
- Departure angle: 45°
- Seats: 1+12

Weight / Volume / Payload
- Empty weight: 15 t
- Payload:
  - amphibious operation: 9.0 t
  - land operation: 10 t
- GVW (Maximum):
  - amphibious operation: 24 t
  - land operation: 25 t
- Internal volume: 14 m³

Performance
- Max. speed:
  - (paved road): >105 km/h
  - (in navigation): 10 km/h
- Gradient: > 60%
- Side slope: > 30%
- Range on road (70 km/h): 800 km
- Range on water 2/3 max speed: 80 Nm
- Step: ≥ 0.6 m
- Trench: 2.2 m
- Fording depth: 1.5 m
- Turning circle radius: 9.11 m
- Power to weight ratio: >22.5 HP/t

Mobility
- Engine: IVECO Cursor 13 turbocharged inter cooler
- Fuel: Multifuel
- Power: 412 kW (560HP)
- Torque: 2200 Nm
- Gearbox: ZF 7HP902
- Number of gears: 7 + 1 r

Wheels
- Diameter: 14.00R20 XML/XZL
- Run-flat VFI system
- Central Tyre Inflation System (CTIS)

Electric System
- Full digital dashboard
- Built-in Diagnostic System
- > 500A User Available Power

Survivability
- High hardness monocoque steel hull
- Direct fire ballistic armour (base level)
- A/T mines protection (base level)
- Anti-mine seats
- Fire Extinguishing/Anti-explosion system in engine compartment
- Anti-explosion / self-sealing fuel tanks
- 8x80 mm smoke grenade launchers

Amphibious Operation
- Sea state >3
- Hydraulic-powered independent propellers
- Front break water Snorkel Bilge Pumps

Options
- Rear Ramp 4th axle steering
- 12.00R20 XML/XZL wheels
- Height Management System
- Hydraulic Winch
- Automatic air conditioning system
- NBC protection (collective with individual backup)

Protection
- High hardness monocoque steel hull
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Aiming and firing system
- Turret frame
- Basic environmental all around, with 7.62 ball roof, interface up to Standard NATO 4569 lev.III (option) with add-on kit
- Through a dedicated hatch: Reloading, moving the turret and the gun in manual mode. Patented solution

Weights
- Dry: 1400 KG
- Combat: according to configuration and level protection

Armament
- Main Weapon: 30 mm MK44 A7K
- Secondary weapon: 7.62 mm coaxial
- Anti tank weapon: 2 Spike missile launchers (twined)

Firing direction system
- Turret frame
- Paly digital gyro stabilized
- Gunner sight: Gyro stabilized in elevation
- Gen II IR camera
- Daylight Color TV Camera
- Laser Range Finder
- Back up fiber optic sight for manual aiming

Bilge Pumps
- Manual back up Aiming and firing from inside
- Gunner control panel Color LCD 12”
- Commander control panel Color LCD 12” (option)

Protection
- Automatic Air Conditioning System
- NBC protection (collective with individual backup)
- Fire Extinguishing/Anti-explosion system in crew cabin
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