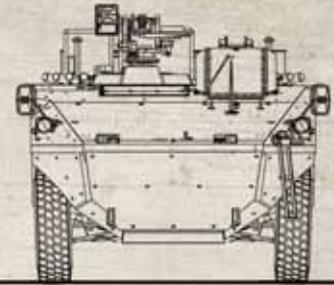
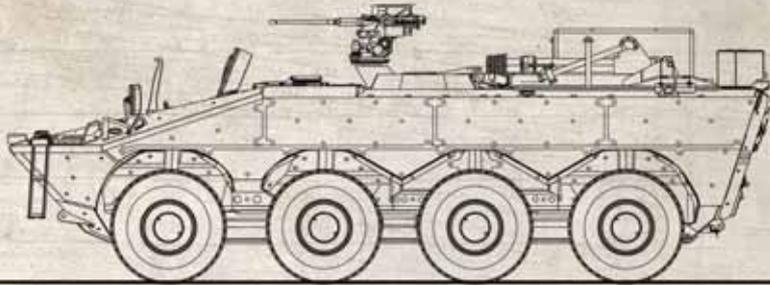


VBM FRECCIA ACP



Dimensions

Length	7.99 m
Height (with turret)	2.90 m
Overall Width	2.99 m
Ground clearance	0.41 m
Wheelbase	2.50 m
Approach angle	40°
Departure angle	40°
Seats	1 + 2 + up to 6

Weight / Volume / Payload

Empty weight	21.5 t
Payload	8.5 t
GVW (Maximum)	31.5 t
Internal volume	13.5 m ³

Performance

Max. speed (paved road)	110 km/h
Gradient	> 60%
Side slope	> 30%
Range on road (70 km/h)	> 800 km
Step	≥ 0.6 m
Trench	≥ 2 m
Fording depth (without preparation)	1.5 m
Turning circle radius (curb to curb)	< 9.0 m
Power to weight ratio (in combat order)	24 HP/t

Mobility

Engine	IVECO 8262 6V turbocharged after cooler
Fuel	Diesel fuel / JP8
Power	405 kW (550HP)
Torque	2000 Nm (202 kgm)
Gearbox	Automatic type
Number of gears	5 + 2 r.

Driveline / Suspension

Single-differential twin-shaft design
(H-shaped driveline)
Hydro-pneumatic and independent suspension
Steering on 1st - 2nd and 4th axle
All - disk "Full - Power" braking system

Wheels

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

Survivability

Low vehicle profile
High hardness monocoque steel hull
Direct fire ballistic armour (base level)
AT mines protection (base level)
Anti-mine seats
Laser warning system
Smoke Grenade 8x80 mm launchers

Mission Equipment

HF/VHF/UHF radios
Intercom (local/remote)
Microwave link with telescopic mast
Situation awareness/BMS workstations
Autonomous Power Unit

Options

NBC protection
(collective with individual backup)
Fire Extinguishing/Anti-explosion system
in Crew cabin
Auxiliary heaters
Anti-explosion/self-sealing fuel tanks
Direct fire ballistic armour (advanced level)
AT mines protection (advanced level)
Specific IED protection suite
Retractable tent

Armament

General configuration of Leonardo
HITROLE[®] turret:
- Turret with main gun 12,7 mm
(or, in alternative, 7,62 mm/AGL 40 mm)
and sight system
- Console
- Logical Control Unit

The sight system is composed of:

- Day Sensors
- Night Sensors
- Laser Range Finder

Technical data

Weight	218 Kg
Rate of fire	500 rds/min
Ready to fire ammunition (reloaded from inside)	130 rounds

Electrical data

Azimuth	continuous nx360°
Elevation (with 12.7mm and 7.62mm)	-10°÷+50°
Elevation (with AGL 40mm)	-10°÷+40°
Maximum speed (azimuth)	≥ 50°/sec
Maximum speed (elevation)	≥ 50°/sec
2 axis gun stabilization	≥ 1 rad/sec
Power voltage	24VDC (MIL-STD-1275B)