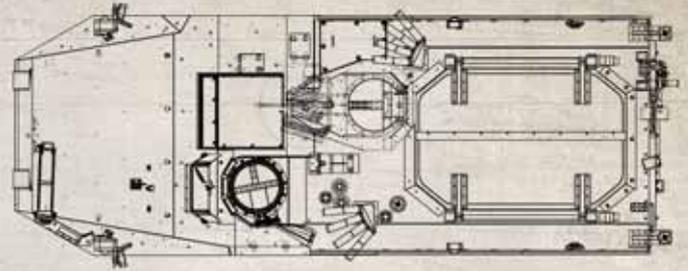
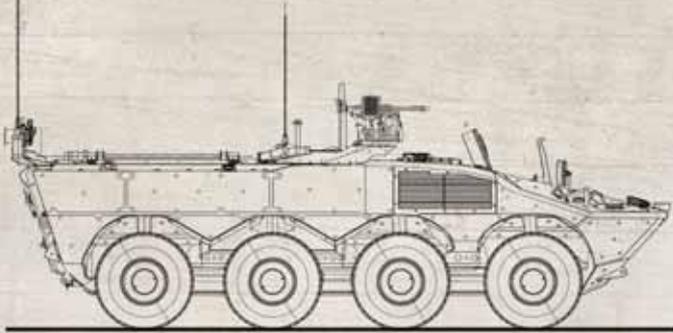


VBM FRECCIA AMC



Dimensions (approx.)

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 2

Weight / Volume / Payload (approx.)

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

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)
Situation awareness/BMS workstations

Options

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

Armament

General configuration of Leonardo HITROLE[®] L 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

Or with a protected motorized Manual Turret with manual MG (7.62 or 5.56 mm); equipped with 5 episcopes around the hatch

Technical data

Weight	150 Kg
Rate of fire	635 rds/min
Ready to fire ammunition	250

Electrical data

Azimuth	continuous nx360°
Elevation	-20°÷+70°
Elevation (with AGL 40mm)	- 10°÷+40°
Maximum speed (azimuth)	≥ 1 rad/sec
Maximum speed (elevation)	≥ 1 rad/sec
2 axis gun stabilization	≥ 1 rad/sec
Power voltage	24VDC (MIL- STD- 1275B)

Mortar

Rifled semiautomatic 120 mm caliber
Shoots stored in the vehicle n°max 40
Shooting azimuth +/- 200°
Shooting elevation 45°÷85°
Electrically activated through an hydraulic power unit