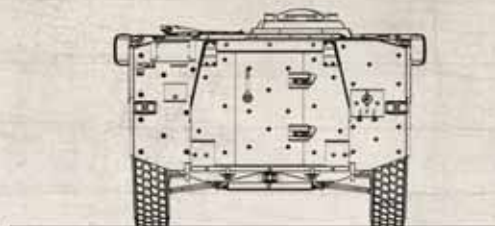
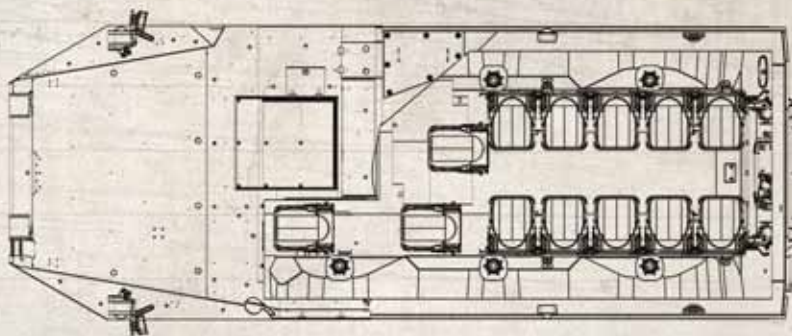
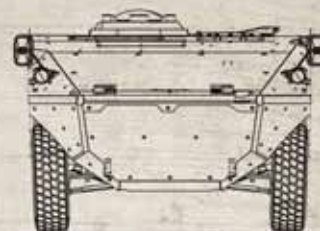
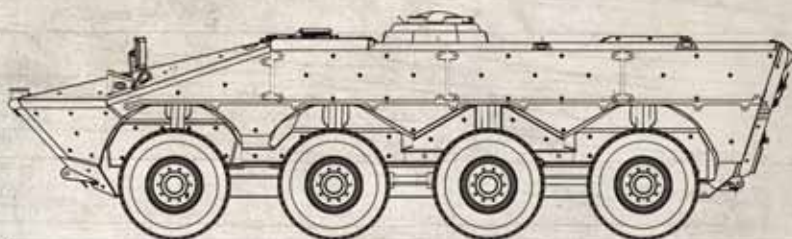


VBM FRECCIA APC



Dimensions

Length	7.99 m
Height (hull)	2.01 m
(with cupola)	2.25 m
Overall Width	2.99 m
Ground clearance	0.41 m
Wheelbase	2.50 m
Approach angle	40°
Departure angle	40°
Seats	1 + 12

Weight / Volume / Payload

Empty weight	19.5 t
Payload	10.5 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

Options

Hydraulic Winch
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
Laser warning system
Smoke Grenade 8x80 mm launchers

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)