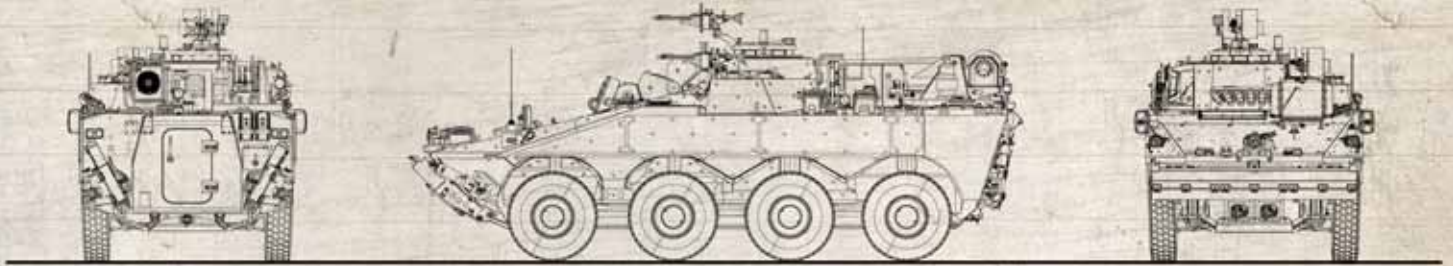


VBM FRECCIA ARV



Dimensions

Length	8.25 m
Height (hull)	2.04 m
(with manual turret)	2.75 m
Overall Width	2.99 m
Ground clearance	0.41 m
Wheelbase	2.50 m
Approach angle	30°
Departure angle	35°
Seats	1 + 3

Weight / Volume / Payload

Empty weight	23,0 t
Payload	7,0 t
GVW (Maximum)	31.5 t
Internal volume	
2 rooms (crew volume)	7 m ³
(technical volume)	6 m ³

Performance

Max. speed (paved road)	110 km/h
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	2100 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 8x80mm launchers

Mission Equipment

Main Hydraulic Winch 100 m long (30 t)
Auxiliary winch
Hydraulic crane (25 tm)
APU 5 kW (DC and AC output)
NBC protection
(collective with individual backup)
Fire Extinguishing/Anti-explosion system
in crew cabin
Auxiliary heater
Anti-explosion/fuel tanks
Direct fire ballistic armour (advanced level)
AT mines protection (advanced level)
Specific IED protection suite

Rear ramp

Frontal blade for barricades, ground leveling, lifting up the vehicle
Stabilizers 2 rear located
Points for quick electrical, hydraulic and pneumatical connections
Tanks for liquid reserves
Sets of auxiliary tools
In emergency possible to transport an auxiliary powerpack or 1 m³ of water

Armament

External n° 2 MG 7.62 mm
or 5.56 mm one
through a cupola, the 2nd on a rail
Grenade launchers n° 8 for 80 mm

Gunner sights

Episcopes around the hatch

Driver sights

n° 3 episcopes in front of the hatch
night vision goggles