



Tradition & Power

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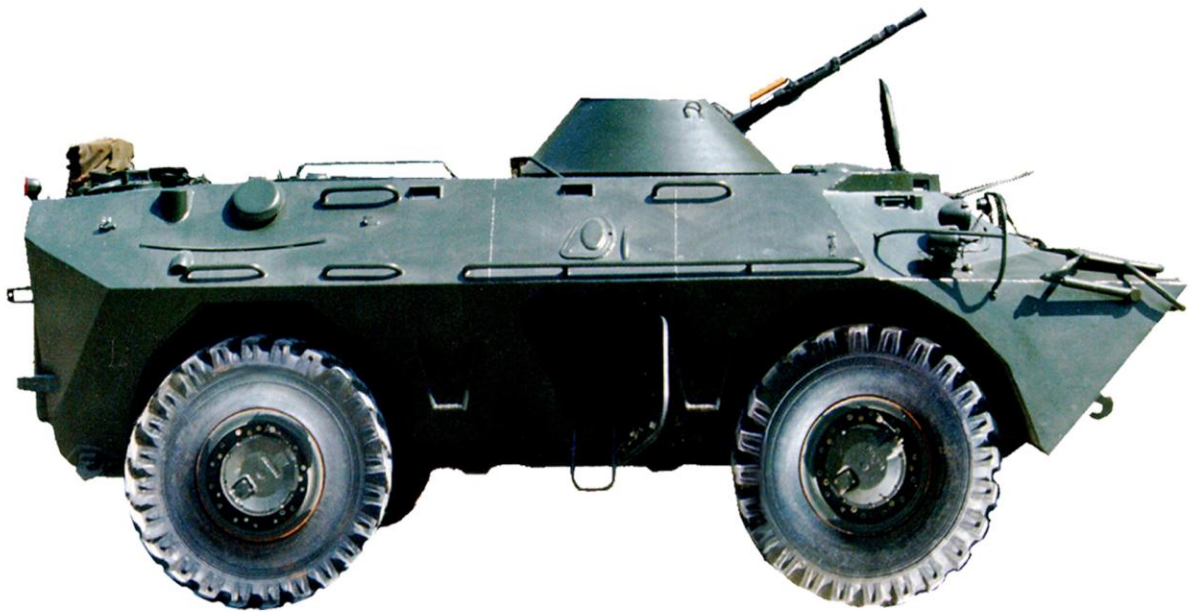
CN ROMARM SA UZINA AUTOMECANICA MORENI



Armoured
4 x 4 Personnel
Carrier

ABC 4 x 4

- Safety
- Mobility
- Flexibility



TEHNICAL CHARACTERISTICS

ABC_V0

TECHNICAL DATA VALUES/ VEHICLE COMPONENTS

General data and performances

Vehicle type	4x4, wheeled amphibious vehicle.
Hull	Armored, sealed
Crew access	- Access doors: 3 1 at the rear and 2 at each side of vehicle - Access hatches 4; driver, commander and crew
Protection level	- Level 1 STANAG 4569
Crew	7 members including driver, commander and gunner

Maxim speed:	- on road 100 km/h
	- on water 8 km/h

Maxim gradient	Max. 32 degree
Side slope	Max. 25 degree
Range on the road	700 km

Main dimensions

Length	5 650 mm
Width	2.800 mm
Height	2340
Ground clearance	450 mm

G.V.W	8 400 kg
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Power to weight ratio	Max. 20 HP/t
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ENGINE

Type	Diesel , EURO 3
Max. power	170 HP at 2500 rpm
Max. torque	60 daNm at 1400 rpm

GEAR BOX

Type	Mechanical or automatically with converter
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POWER DIVIDER BOX

Type	Mechanical, with two ratios, with mechanical locking inter-axial differential
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CARDAN DRIVE

Type	With tubular cardan shafts and stiff opened joints
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DRIVING AXLES

Type	Complete unloaded, fitted inside the hull
Diferențial	Self lockable,

WHEEL REDUCING

Type	With cylindrical gears, with CTIS
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STERRING SYSTEM

Mechanism type	Hydraulic power-assisted and mechanical control
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BRAKE SYSTEM

Main brake	With shoes, drum type, sealed, with hydraulic control and pneumatic amplifier, working on each wheel; double circuit
Optional Parking brake	ABS Mechanical, opened type, with drums fitted on the intermediary shafts of the power divider box

SUSPENSION

Type	Independent, with arms and torsion bars on each wheel
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WHEELS

Tires - Type	Cross country, reinforced
- Dimensions	1400 x 20"
- Working pressure	With CTIS system.

Variable from 0.5 - 3.4 bar.

water jet propeller

Mechanically driven

With electrical bilge pumps

ELECTRIC INSTALLATION

Voltage	24 V DC.
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CREW PROTECTION SYSTEMS - NBC

Fresh air intake system Air tubes and individual air mask

Air conditioning system Split type with 2 evaporators

COMMUNICATION MEANS

Radio station VHF and HF type, with intercom system

OTHER SPECIAL EQUIPEMENTS

Winch, 5 kN

Fire extinguishing installation

inside engine compartment

OBSERVING DEVICES

On day time

- Driver Fixed periscopes - 5 pieces

On night time , passive type

- Driver Passive type

Commander day & night Passive type

ARMAMENT

Turret RCWS-Ro 12,7 mm, DShKM

Optional : Browning 50

CAMOUFLAGE SYSTEM

Smoke grenade launcher

TRANSPORTABILITY

- Aerial: Hercules C 130

- Maritimes

- Terrestrial: on railway and auto platforms

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