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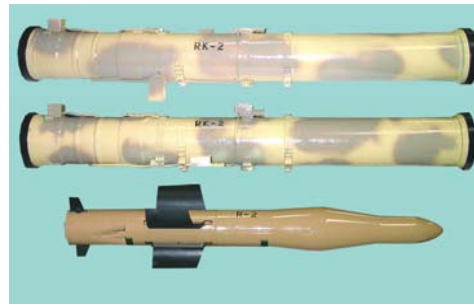
BTR-3E1

Armoured Personnel Carrier

Motor compartment



"Barrier" ATMS



ZTM-1 Automatic Cannon



"Shturm" Combat Module



UTD-20 Engine



External Optical Block



DT-64 Tyre



Air Conditioning Plant



Video camera of panoramic observation system



"Track" System Control Terminals

Specifications - BTR-3E1 Armoured Personnel Carrier

Type	Combat wheeled vehicle, armoured, amphibious
Type of Armour Protection	Bullet-proof
Wheel Base Configuration	8 × 8
Crew, persons	9 (including commander, driver, gunner, combat team)
Weight, t.....	16,0
Maximum Speed, km/h:	
– Paved roads.....	95
– Afloat.....	8 -10
Minimum Speed, km/h.....	5
Fuel Distance, km:	
– Paved roads.....	850
– Terrain.....	500
Range of Operating Ambient Temperatures, °C	from - 40 to + 55
Obstacles:	
- Maximum gradient, degrees.....	30
- Maximum side slope, degrees.....	25
- Trench, m.....	2,0
- Vertical obstacle, m.....	0,5
Engine:	
- Type and model	Diesel, UTD-20
- Output power, h.p.	300
Transmission.....	Mechanical
Tyres	Controlled pressure, run flat inserts
Armament (integrated into the “Shturm” combat module):	
- 30mm automatic cannon.....	ZTM-1
- Anti-tank missile system (ATMS)	“Barrier”
- 30mm automatic grenade launcher.....	AG-17
- 7,62mm machine-gun.....	KT-7,62 (PKT)
- 81mm smoke grenade launcher.....	902V
Allowance of Ammunition (for the “Shturm” combat module), rounds:	
- 30mm rounds for the automatic gun.....	400
- AT missiles for the “Barrier” ATMS	4
- 30mm grenades for the automatic grenade launcher.....	87
- 7,62mm cartridges for the machine-gun.....	2000
- 81mm smoke grenades	6
Maximum aimed fire range, m:	
Automatic gun	
- At ground targets.....	4000
- At air targets	2000
Automatic Grenade Launcher	1700
“Barrier” ATMS	5500
Machine Gun	2000
Aiming Drives of the Weapons Systems:	
- Type.....	Electromechanical
Fire Control System, complete with:	
“SVU-500” Weapon Stabilizer	
- Type	Biplanar, electromechanical
“Track” Sighting System	
- Type	TV, day-and-night, with integrated laser range finder
- Number of Control Channels	2
“Panorama” Panoramic Observation System	
- Type	Video
- Angle of horizontal observation, degrees	360
Auxiliary Equipment:	
Pull winch (force, t).....	6
Firefighting system (type).....	Automatic
Filtration unit (type).....	With full-flow filter
Heater (heating efficiency, kW).....	18
Air conditioner (cooling efficiency, kW)	10



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