

VOLAT



ARMORED PERSONNEL CARRIER

MZKT-690003 (V2)

VEHICLES OVERCOMING ALL OBSTACLES

ARMORED PERSONNEL CARRIER MZKT-690003 (V2)

SPECIFICATIONS

PERFORMANCE DATA

Wheel drive	8x8
Max. speed, km/h	110
Max. swimming speed, km/h	10
Gradeability, %	31
Vertical step, mm	0,5
Side slope, %	35
Min. turning radius, m	12
Trench width, m	2
Fuel tank capacity, l	2x220
Cruising range, km	1 200
Operating temperature, °C	-40 ... +40
Air transportable	IL-76, An-124, An-22 A400M, C-5, C-17

WEIGHT DATA

Gross vehicle weight, kg	22 000
Gross vehicle weight axle distribution, kg	
1-2 axles	11 000
2-3 axles	11 000

ENGINE

Number and arrangement of cylinders	6 in-line
Power	480 h.p. (550 h.p.) at 1 900 min ⁻¹
Torque moment	2 300 Nm at 1 400 min ⁻¹

TRANSMISSION

Type	automatic
Model	MZKT-55613
Number of gears	3 forward, 1 reverse
Gear ratio	4.4-0.65; R 4.95

TRANSFER CASE

2-speed

DRIVING AXLES

Articulated, with central reduction gears and wheel gears, interaxle and cross-axle locking differentials

AXLE SUSPENSION

Independent hydropneumatic

STEERING SYSTEM

Left-hand drive
Hydraulic power assisted
1st and 2nd axles - steerable

BRAKE SYSTEM

Shoe-type disc brakes with pneumahydraulic drive
Dual-circuit system

TYRES

14.00R20, offroad tread
Central tyre inflation system (CTIS)
Runflat

BODY

All-welded, armored
Number of seats 3+8
Ballistic protection Br4 (GOST 34282-2017)
Mine protection 2a/2b STANAG 4569
Ramp with integrated emergency door at the rear
Driver's hatch and 2 hatches for the crew on the roof
2 hatches in the tower
Raised floor for the driver's and crew legs protection

ELECTRICAL EQUIPMENT

Nominal voltage 24 V
Single-wire wiring
Batteries 4x120 Ah

SPECIAL EQUIPMENT

Onboard information and control system (BIUS-10)
Automatic fire extinguishing system
Smoke exhaust system
Filter ventilation unit
Drainage system
Video observation system
Self-recovery winch

ARMAMENT

Upgraded combat module BMP-2 consisting of:
automatic cannon (30 mm),
coaxial machine gun PKT (7.62 mm),
anti-tank missile "KONKURS»

