

VOLAT



ARMORED PERSONNEL CARRIER
MZKT-690003-021 (V-2)

VEHICLES OVERCOMING ALL OBSTACLES

ARMORED PERSONNEL CARRIER MZKT-690003-021 (V-2)

SPECIFICATIONS

PERFORMANCE DATA

Wheel drive	8x8
Max. speed, km/h	110
Max. swimming speed, km/h	10
Gradeability, °	30
Vertical step, m	0,5
Side slope, °	35
Min. turning radius, m	12
Trench width, m	2
Fuel tank capacity, l	2x220
Cruising range, km	900
Operating temperature, °C	-40 ... +50
Air transportable	IL-76, An-124, An-22 A400M, C-5, C-17

WEIGHT DATA

Gross vehicle weight, kg	24 500
Gross vehicle weight axle distribution, kg	
1-2 axles	12 000
3-4 axles	12 500

ENGINE

Number and location of cylinders	6 in-line
Power	405 kW (550 h.p.)
Max. torque	2 300 Nm

TRANSMISSION

Type	automatic
Model	MZKT-55613
Number of gears	6 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, off-road protector
Central tyre inflation system (CTIS), RunFlat

BODY

All-welded, armored
Number of seats 3+8
Ballistic protection Br5 in the frontal projection with mounted armor, Br4 (GOST 34282-2017)
Mine protection: 6 kg of explosives under the wheel and 1 kg under the bottom
Ramp with integrated emergency door at the rear
Driver's hatch and 2 hatches for the crew on the roof
Climatic system (air-conditioner, heater)
Raised floor for the driver's and crew legs protection

ELECTRICAL EQUIPMENT

Nominal voltage 24 V
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

Remote-controlled combat module Adunok-CM30.2 consisting of:
automatic cannon (30 mm)
coaxil machine gun PKT (7,62 mm)
ATGM-system «Konkurs» (4 pcs.)
smoke grenades (6 pcs.)

