

**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	550 h.p. at 1 900 min <sup>-1</sup>
Torque moment	2 300 Nm at 1 400 min <sup>-1</sup>

### 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, 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

Remote-controlled combat module Adunok-BM30 consisting of:  
automatic cannon (30 mm),  
coaxial machine gun PKT (7.62 mm),  
smoke grenade launch system (6 launchers)

