

**VOLAT**



LIGHT ARMORED VEHICLE  
MZKT-490100

VEHICLES OVERCOMING ALL OBSTACLES

# LIGHT ARMORED VEHICLE

## MZKT-490100

### SPECIFICATIONS

#### PERFORMANCE DATA

Wheel drive	4x4
Max. speed, km/h	110
Gradeability, %	60
Angle of approach	46°
Angle of departure (w/o spare wheel)	45°
Ground clearance, mm	400
Climbing ability-vertical step, mm	600
Side slope, %	46
Turning radius (curb to curb), m	9
Crossing ability-fording depth/with preparation, m	1.2/1.5
Trench width, m	0.7
Cruising range, km	1 000
Operating temperature, °C	-40 - +55
Fuel tank capacity, l	2x130
Air transportable	C-130, C-160, A-400M, An-22, An-124, IL-76

#### WEIGHT DATA

Curb vehicle weight, kg	10 800
Payload, kg	1 200
Gross vehicle weight, kg	12 000

#### ENGINE

Number and location of cylinders	L4
Power	176 kW (240 h.p.)
Max. torque	784 Nm

#### TRANSMISSION

Type	automatic
Number of gears	6 forward, 1 reverse
Gear ratio	4.5-0.75

#### TRANSFER CASE

Number of gears	1
Gear ratio	1:1; 1:1.327

#### DRIVING AXLES

Central reduction gears with interaxle differentials locks, planetary wheel hub reduction

#### AXLE SUSPENSION

Independent suspension, coil springs

#### STEERING SYSTEM

Left hand drive, hydraulic power assisted

#### BRAKE SYSTEM

Pneumohydraulic drive  
Dual-circuit system  
ABS

#### TYRES

14.00 R20  
Off-road protector  
Central tyre inflation system (CTIS)

#### FRAME

Longitudinal  
Equipped with front and rear towing units

#### ARMORED BODY

Steel armor  
Ballistic protection level Br4 GOST R 50963-96 (apr. STANAG 4569 Level 2)  
Equipped with climatic system, forced ventilation system  
Number of seats 2+8  
2 roof hatches

#### ELECTRICAL EQUIPMENT

Nominal voltage 24V

#### SPECIAL EQUIPMENT

Onboard information and control system  
Electric self-recovery winch

#### OPTIONS

NBC overpressure system  
Manual transmission

