

VOLAT

VOLAT

MINSK WHEEL TRACTOR PLANT

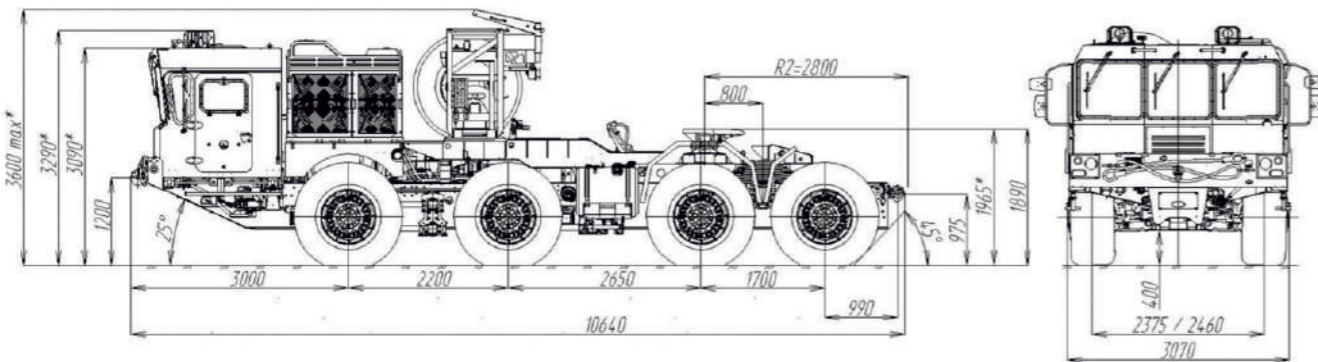


HEAVY EQUIPMENT TRANSPORTER
MZKT-741501+720100

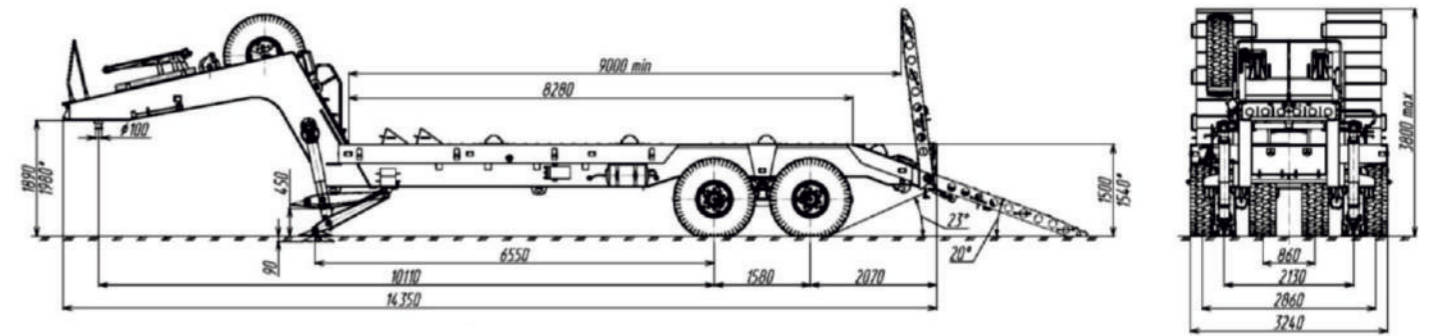
VEHICLES OVERCOMING ALL OBSTACLES

HEAVY EQUIPMENT TRANSPORTER MZKT-741501+720100

SPECIFICATIONS



TRACTOR HEAD MZKT-741501



SEMITRAILER MZKT-720100

PERFORMANCE DATA

Wheel drive	8x8
Max. speed, km/h	70
Gradeability, %	20
Turning radius, m	16
Fuel tank capacity, l	2x385
Cruising range, km	550
Operating temperature, °C	-45 ... +50
Air transportable	An-124, An-22, A400M, C-5

WEIGHT DATA

Curb vehicle weight, kg	24 800
Gross vehicle weight, kg	48 000
Permissible weight on axles, kg	
1-2 axles	23 000
3-4 axles	25 000
Fifth wheel load, kg	23 000
Gross combination weight, kg	95 000

ENGINE

Number and location of cylinders	V8
Power	368 kW (500 h.p.) at 2 100 min ⁻¹
Max. torque	1 960 Nm at 1 300 min ⁻¹

TRANSMISSION

Type	automatic
Model	MZKT-5561
Number of gears	6 forward, 1 reverse
Gear ratio	4.40-0.65; R 4.95

TRANSFER CASE

2-speed, lockable inter-bogie differential

DRIVING AXLES

Split, with central reduction gears, interaxle and cross-axle differential lock

AXLE SUSPENSION

1st and 2nd axles - independent torsion-bar
3rd and 4th axles - independent spring-balanced

STEERING SYSTEM

Left-hand drive
Hydraulic power assisted

BRAKE SYSTEM

Drum brakes of shoe-type with air-hydraulic drive
Engine brake
Electrodynamical retarder

TYRES

1500x600-635, offroad protector
Central tyre inflation system (CTIS)

FRAME

Longitudinal
Equipped with front and rear towing units

CAB

2-door fiberglass, 3-seat
Equipped with ventilation and heating systems
Air-conditioner
Filter-ventilation unit

ELECTRICAL EQUIPMENT

Nominal voltage 24 V
Single-wire
Batteries 4x190 Ah

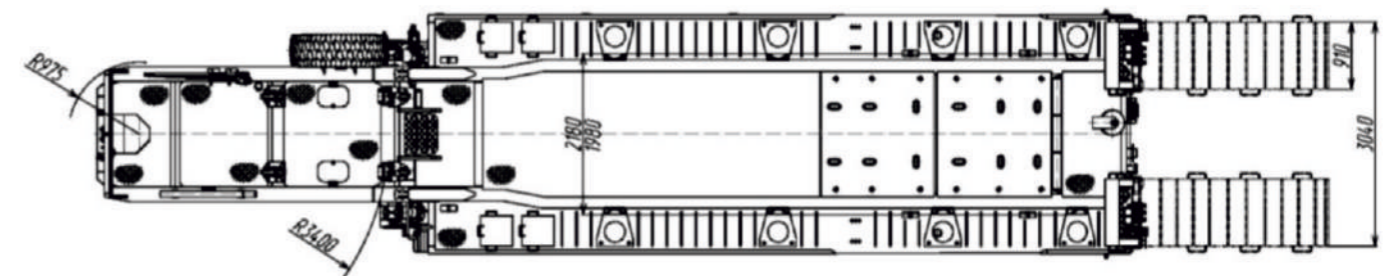
FIFTH WHEEL

MZKT, king pin diameter 100 mm

WINCH

Twin winch with hydraulic drive
Max. towing force 2x200 kN
Rope length 60 m

For transportation of various heavy tracked and wheeled vehicles or heavy loads with max weight of 52 000 kg



WEIGHT DATA

Curb semitrailer weight, kg	16 000
Payload, kg	52 000
Gross semitrailer weight, kg	68 000
Permissible weight on axles, kg	2x22 500
Load on fifth wheel, kg	23 000

AXLES

Two independent 4-wheel bogies, wheels of each bogie are connected in pairs by wheel equalizer beams
Equalizing type suspension

TYRES

16.00R20, offroad protector
Number of wheels - 8+1

CARGO PLATFORM

Frame sheet flooring with anti-skid plates

BRAKE SYSTEM

Drum brakes of shoe-type with pneumatic drive from tractor brake valve

ELECTRICAL EQUIPMENT

Nominal voltage 24 V
Single-wire

RAMPS

Tilted one-section loading ramps with mechanic drive

SPECIAL EQUIPMENT

Spare wheel lifting mechanism with manual drive
Support and guide rollers
Winch rope guide blocks
Linen straps for cargo fixation
Bumper bars