

ZOOMLION**MAZ**

ZMC - 40 MOBILE CRANE



Parameter name	Parameter value
Base car model	MAZ-6516B9-460-001
Wheel formula	8 × 4
Engine	YaMZ-651.10, ecological class Euro-4
Power kW (hp)	302 (412)
Transmission	ZF16S2525TO
Wheelbase, mm	2030 + 2760 + 1400
Technically permissible gross vehicle weight, kg	44,000
Distribution of technically permissible total vehicle mass, kg:	
- on the front axle	9000
- on the second axis	9000
- on the rear trolley	26000

Gear ratio of the bridge	U = 5.33
Fuel tank, l	300
Rear suspension	Spring-balancing with stabilizer
Brake system	With ABS / PBS, without pneumatic outlets for trailer
Electrical equipment	Tachograph digital, without electrical outlets for trailer
Maximum speed, km / h	80, with electronic limiter
terms of Use	Temperate climate
Load-carrying capacity of midi (on ropes), t	40
Lifting capacity at maximum reach, t	0.7
Load moment, kNm	1132
Length of boom, m	10.4-39.2
Number of boom sections	5
Extension length of boom equipment, m	8
Departure min. At maximum load, m	2
Maximum reach, m	thirty
Depth of lowering is maximum when working with the main boom with a load equal to 50% of the crane's load capacity	3
Maximum lifting height, m	
- with the minimum boom length	12
- at the maximum boom length	40.5
- at maximum boom length with extension	48.8
Lifting height at maximum reach, m	24.5
Rotation speed (rotation speed), rpm	0 to 2.2
Speed of the telescoping mechanism of boom sections, m / min	
- extension of boom sections	10.8
- retracting boom sections	18
Time of full change of the boom departure, s	
- from the maximum to the minimum	40
- from minimum to maximum	120
Total weight, t:	
a) when traveling with a non-removable counterweight (2.8 t), without removable counterweights, without a jib	33.1
b) when traveling with an additional removable counterweight (m = 1,2 t) and in single file	34.8
Permissible axial load, t, not more than:	
a) when traveling without a jib and additional counterbalances:	
- on the front axle	5.9
- on the second axis	6.6
- on the rear trolley	20.6 (10.3 + 10.3)
b) when traveling with an additional counterweight and a single file	
- on the front axle	5.7

- on the second axis	6.6
- on the rear trolley	22.5 (11.1 + 11.4)
Overall dimensions in transport position, mm:	
- length	11950
- Width	2550
- height	3970
Parameters of the reference circuit, m:	
- base of outriggers	6,5x6,2
- possibility of working on retracted outriggers (50%)	there is
Service life before cancellation, years	10
Slope gradient, grad.	15
Resource before overhaul, machine hours	29200
The classification group (mode) of ISO 4301/2:	
- the crane;	A1
- the main lift mechanism;	M3
- boom lifting mechanism;	M2
- the boom telescoping mechanism;	M1
- turning mechanism	M2
Type of drive:	
- the mechanism of movement	Mechanical from the engine located on the chassis
- mechanisms located on the turntable;	Hydraulic from the pump located on the non-turning part
- outriggers	Hydraulic from the pump located on the non-turning part
The environment in which a crane can be operated:	
- operating temperature, deg. FROM:	
greatest	+ 40
the smallest	- 25
- temperature of the idle state, deg. FROM:	
greatest	+ 40
the smallest	- 40
- relative humidity, %	85
Permissible slope of the site for crane installation,% (degrees):	
- when working on outriggers	5.4 (3.0)
Requirements for the site where the crane can be moved with cargo	Movement of a crane with a cargo is prohibited.
Type of electric current, voltage:	
- Power circuit;	Standing, 24 V
- control circuit;	Standing, 24 V
- working lighting circuit;	Standing, 24 V
- a chain of repair lighting.	Standing, 24 V
Crane operations management	Joysticks