

ZTC1500



ZOOMLION

Product Highlights

1 The longest main boom in the industry

- The longest main boom among models of the same class in the industry, boasting a length of 72 meters when fully extended and internationally advanced patented boom predeformation technology.
- High strength boom plate: strength level up to 960MPa.
- Fully automatic telescoping control of main boom and one-key telescoping operation to avoid man-made incorrect operation.

2 High power and trafficability

- Special 5-axle chassis with the largest bearing capacity in the industry, boasting compact structure and extremely high flexibility.
- Mature and reliable power system from domestic well-known brand, offering high power.

3 Advanced technologies

- Excellent inching performance and simultaneous operation, realizing advanced operation control.
- All-round safety protection strategy pattern, effectively ensuring operation safety.
- Engines for superstructure and chassis from the same brand (Weichai), interchangeable parts and easy maintenance.

Technical Specification

Item		Value	Remarks	
Work performance	Max. rated lifting capacity	kg	150000	At 3 m radius
	Max. load moment of basic boom	kN.m	4704	At 6 m radius
	Max. load moment of main boom (fully extended)	kN.m	1505	At 32 m radius
	Max. lifting height of basic boom	m	13.0	
	Max. lifting height of main boom	m	72.5	The parameters do not include deflection of main boom and jib. The value in the brackets is the value with the extension installed.
	Max. lifting height of jib	m	87 / (95)	
Work speeds	Max. hoist rope speed (Main winch)	m/min.	114	At the 4 th layer
	Max. hoist rope speed (Auxiliary winch)	m/min.	75	At the 3 rd layer
	Boom derricking up time	s	94	
	Boom extending time	s	860	
	Max. slewing speed	r/min.	1.4	
Driving	Max. height above sea level	m	2000	
	Max. driving speed	km/h	78	
	Max. gradeability	%	40	
	Min. turning diameter	m	≤23	
	Min. ground clearance	mm	320	
	Limits for exhaust pollutants and smoke		Conform to related standards	GB3847-2005 GB17691-2005 (National Stage III)
	Fuel consumption per hundred kilometers	L	70	
Mass	Deadweight in driving condition	kg	54900	
	Complete vehicle kerb mass	kg	54705	
	Load on axles 1 and 2	kg	9950+9950	
	Load on axles 4 and 5	kg	12625+12625+9750	
Dimensions	Overall dimensions (L × W × H)	mm	15400×3000×3940	
	Outrigger spread (L)	m	8.05	
	Outrigger spread (W)	m	7.8 (fully extended), 5.3 (intermediately extended)	
	Main boom length	m	13.5~72.0	
	Boom angle	°	-0.5~82	
	Jib length	m	11 ~ 18.6	
	Jib + extension length	m	26.6	
Offset	°	0 ~ 30		

