

# ZTC1000



ZOOMLION

## Product Highlights

### 1 Superstrong main boom in the industry

- The longest main boom among models of the same class in the industry with the strongest structure, boasting a length of 63 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	100000	
	Max. load moment of basic boom	kN.m	4000	R5m
	Max. load moment of main boom (fully extended)	kN.m	1860	R30m
	Max. lifting height of basic boom	m	14.0	
	Max. lifting height of main boom	m	64	The parameters do not include deflection of main boom and jib.
	Max. lifting height of jib	m	82.5/ (90.5)	
Work speeds	Max. hoist rope speed (Main winch)	m/min	110	At the 5 <sup>th</sup> layer
	Max. hoist rope speed (Auxiliary winch)	m/min	75	At the 3 <sup>rd</sup> layer
	Boom derricking up time	s	70	
	Boom extending time	min	13	
	Slewing speed	r/min	0 – 1.5	
Driving	Max. driving speed	km/h	75	
	Max. gradeability	%	40	
	Min. turning diameter	m	23	
	Min. ground clearance	mm	300	
	Oil consumption per hundred kilometers	L	70	
Mass	Deadweight in driving condition	kg	58400	
	Complete vehicle kerb mass	kg	58205	
	Front axle load	kg	10800 / 10800	
	Rear axle load	kg	13000 / 13000 / 10800	
Dimensions	Overall dimensions (L × W × H)	mm	15400 × 3000 × 3950	
	Outrigger spread (L)	m	8.05	
	Outrigger spread (W)	m	Completely extended: 7.60 m, intermediately extended: 5.4 m	
	Tail slewing radius	mm	4800	Counterweight attached
	Main boom length	m	13.5 – 63	
	Boom angle	°	-0.5° – 82°	
	Jib length	m	11, 18.6, 26.6	
	Offset	°	0°, 30°	

