

# QAY200



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.
- Boom plates with the highest strength: imported WELDOX1100.
- Fully automatic telescoping control of main boom and one-key telescoping operation to avoid man-made incorrect operation.

### 2 The most compact design

- The most advanced 5-axle chassis in the industry, making the complete machine boast extremely high flexibility.
- "Double-cylinder telescoping" adopted for outriggers, thus greatly reducing failure rate.

### 3 Advanced technologies

- Electrohydraulic servo control all-wheel steering technology, featuring flexible steering, multiple steering modes and minimum tyre wearing.
- Disc brake technology, boasting strong braking force and a service life that is 3 to 5 times that of drum brake.
- Engines for superstructure and chassis from the same brand (Benz), interchangeable parts and easy maintenance.

## Technical Specification

Item		Value	Remarks	
Work performance	Max. rated lifting capacity	kg	200000	
	Max. load moment of basic boom	kN.m	6664	
	Max. lifting height of main boom	m	72	
	Max. lifting height of jib	m	95/(103)	
The parameters do not include deflection of main boom and jib. The value in the brackets is the value with extensions installed.				
Work speeds	Max. hoist rope speed (Main winch)	m/min	120	
	Max. hoist rope speed (Auxiliary winch)	m/min	70	
	Boom extending time	min	12	
	Boom derricking up time	s	97	
	Slewing speed	r/min	0 – 1.4	
At the 4 <sup>th</sup> layer				
Driving	Max. height above sea level	m	2000	
	Max. driving speed	km/h	75	
	Max. gradeability	%	40	
	Min. turning diameter	m	20	
	Min. ground clearance	mm	305	
	Limits for exhaust pollutants and smoke		Conform to related standards	
	Fuel consumption per hundred kilometers	L	78	
GB3847-2005 GB17691-2005 (National Stage III)				
Mass	Deadweight in driving condition	kg	60000	
	Axle load	kg	12000	
Dimensions	Overall dimensions (L × W × H)	mm	16000 × 3000 × 4000	
	Outrigger spread (L)	m	8.9	
	Outrigger spread (W)	m	8.3	
	Main boom length	m	13.4 – 72	
	Boom angle	°	-0.5 – 83	
	Jib length	m	12, 20, 28	
	Jib + extension length	m	36	
	Offset	°	0, 15, 30	
Optional				
Chassis	Model		ZLJ5600JQZV3.1	
	Type		II	
	Engine	Model		OM460LA.E3A/1
		Max. rated power	kW/r/min	360
		Max. output torque	N.m/r/min	2200
	Manufacturer		ZOOMLION HEAVY INDUSTRY SCIENCE AND TECHNOLOGY CO., LTD.	
		At 1800 r/min.		
		At 1300 r/min.		

