

QAY500



Product Highlights

1

Excellent performance

- The strongest main boom among models of the same class in the industry, boasting a length of 87 meters when fully extended and internationally advanced patented boom predeformation technology.
- The maximum outrigger span among models of the same class in the industry, featuring good stability and a designed wind resistance superior to that of models of the same class in the industry.
- The most advanced "Y" type super-lifting technology in the industry, matching perfectly with the main boom and being the best among models of the same class with super-lifting capability.
- All-wheel steering, multiple steering modes, good maneuverability and a minimum turning diameter of 29 meters.

2

Safety, reliability, easy maintenance and low operation cost

- Fully automatic telescoping control of main boom and one-key telescoping operation to avoid man-made incorrect operation.
- The only mature and widely-used super-lifting winch (ZOLLERN from Germany: inventor of super-lifting winch).
- Engines for superstructure and chassis from the same brand (Benz), interchangeable parts and easy maintenance.

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.
- Swing type outriggers, thus significantly improving the stability of the complete machine.

Technical Specification

Item		Value	Remarks	
Work performance	Max. rated lifting capacity	kg	500000	
	Max. load moment of basic boom	kN.m	15200	
Work speeds	Max. hoist rope speed (Main winch)	m/min	130	At the 6 th layer
	Boom extending time	min	≥20	
	Boom derricking up time	s	≥90	
	Slewing speed	r/min	≤1.0	
Driving	Max. driving speed	km/h	75	
	Approach angle	°	16.6	
	Leave angle	°	16	
	Max. gradeability	%	35	
	Min. turning diameter	m	29	
	Min. ground clearance	mm	335	
	Brake distance	m	10	At 30km/h
	Limits for exhaust pollutants and smoke		National Stage III	
Mass	Deadweight in driving condition	kg	96000	
	Axle load	kg	12000	
Dimensions	Overall dimensions (L × W × H)	mm	21700×3000×4000	
	Outrigger spread (L)	m	11	
	Outrigger spread (W)	m	11	
	Main boom length	m	17 ~ 87	
	Boom angle	°	-0.5 ~ 84	
	Fix jib length	m	16 ~ 56	
	Fix jib offset	°	0、15、30	
	Luffing jib length	m	21 ~ 93	
	Goose-head jib length	m	5.6	
Others	"Y"-guying system		yes	

