



#### QY100K Truck Crane(Mobile Crane)

Compact structure, reasonable arrangement, wide outrigger span, and 360° operation of the boom. Six-axle off-road carrier equipped with imported Cummins engine and automatic transmission, max. Grade-ability of 40%; maneuverable steering system, good pass-ability, min. turning diameter of 24m.

1. Lifting operation is controlled by integrated PLC for construction machinery. Control signals and operating performance chart of parts can be set and adjusted with digit. Working safety, reliability and efficiency are improved greatly.
2. Electric control outriggers leveled by button, and accelerator speed-up button improve working efficiency greatly.
3. Five-section boom of oviform boom profile, special blocks and aligning devices and imported high-tension steel plates, minimize the boom weight, make boom telescope smoothly and align accurately and improve the lifting capacity greatly.
4. Euro II engine for construction machinery equipped on superstructure smooth running, lower noise, powerful output and suitable for continuous work of long time.
5. Self-erecting counterbalances—can be variously combined to meet various working requirements. Various combination of counterweight improves the lifting capacity of mid-extended boom. Movable control box facilitate operation of counterweight.

**Shanghai Longji Construction Machinery Co., Ltd.**

**Add: Room 1311, Building C, Lane 58, No.1 East Xinjian Road, Minhang District, Shanghai City, China**

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6. Hydraulic system is a constant power and variable displacement system of cost energy and high efficiency. Combined with PLC, it can adjust flow and pressure of the system according to the change of load automatically, control speed precisely and sensitively.

7. Comfortable operator's cab with integrated front and roof windows, air-conditioning, roller blinds, adjustable operator's seat, noise and heat insulation. It can be tilted backwards 20°.

8. Optional automatic lubricating device. During operation, it will lubricate main positions automatically according to the preset time interval.

9. Other optional parts such as jib, single top, anti-ultraviolet rays glazing, and radio-cassette player in operator's cab are available.

Engine	
Engine for carrier	
Model	VOLVO TAD720VE
Rated power	324 kw/1800 rpm
Rated torque	2100 N.m/1200 rpm
Engine for superstructure	
Model	Cummins M440E20
Rated power	174 kw/2300 rpm
Rated torque	854 N.m/1400 rpm
Lifting Specification	
Max. total rated lifting capacity	100000 kg
Min. rated working radius	3 m
Max. load moment: Base boom	3238 KN.M
Max. load moment: Fully extended boom	1670 KN.M
Max. load moment: Fully extended boom Jib	1127 KN.M
Outrigger span: Longitudinal	7.56 m
Outrigger span: Lateral	7.6 m
Lifting height: Base boom	12.8 m
Lifting height: Fully extended boom	48 m
Lifting height: Fully extended boom Jib	48 18.1 m
Jib offset angle	0°, 15°, 30°
Mass Specification	
Total mass in travel state	58000 kg
Axle load: Axle1	7500 kg
Axle load: Axle2	7500 kg
Axle load: Axle3	10000 kg
Axle load: Axle4	12500 kg
Axle load: Axle5	12500 kg
Axle load: Axle6	8000 kg

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Working Speed	
Boom elevating time: Boom raising	60 s
Boom telescoping time: Full extending / Full retracting	140 s
Max. swing speed	2 rpm
Hoist speed (single line at 4th layer): Main winch	110 m/min
Hoist speed (single line at 4th layer): Aux. winch	85 m/min
Traveling Specification	
Max. travel speed	75 km/h
Min. stable travel speed	0.5 km/h
Min. turning diameter	24 m
Min. turning diameter at boom tip	26.6 m
Power ratio	7.3 kw/t
Min. ground clearance	310 mm
Approach angle	23°
Departure angle	15°
Braking distance (at 30km/h)	≤10 m
Max. grade-ability	40%
Dimensions	
Overall length	15230 mm
Overall width	3000 mm
Overall height	3860 mm
Wheel base: Axle1, Axle2	1420 mm
Wheel base: Axle2, Axle3	

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