



QY50B Truck Crane(Mobile Crane)

QY50B plateau type, available for option of customers in highland area, is suitable for operation in special working environment of heavy wind and sand, lower temperature, rare air, and etc.1. QY50B Truck Crane adopts self-made XZ50 special chassis, drive type 8×4.

2. Powerful Styre WD615.67A engine conforms to emission standard of Euro II .
3. 5-section telescopic boom has all-round hexagon boom profile or oviform boom profile.. Boom telescoping system is double cylinders plus two-row of wire ropes, which maximizes load lifting capacity.
4. 2-section folding jib with three kinds of offset angle and an additional single top enlarge working range.
5. Double cylinders for elevating have good stability.
6. Double H-shaped outriggers with additional front 5th outrigger realize 360o full swing lifting operation.
7. Two independent winches with variable displacement motor supply oil by single pump or double pumps to obtain low speed with heavy load or high speed with light load at high work efficiency.
8. Swing system with free-sliding function realize lifted load automatically sliding to position.
9. Safe and reliable automatic load moment limiter and hoist limit switch conform to China state compulsory standards.
10. Operator's cab, with adjustable seat and equipped with indicator and pressure gauge etc, is

Shanghai Longji Construction Machinery Co., Ltd.

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

Post Code: 201100

Tel: +86-21-541-71571

E-mail: <mailto:info@shlongji.com>

Fax: +86-21-541-71572

convenient for operation. Air conditioner and heater are for option.

11. Driver's cab equipped with damping adjustable seat and adjustable steering wheel is convenient for **driving operation.**

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|---|-------------------|
| Engine | |
| Model | WD615.67 |
| Rated power | 206 kw/2200 rpm |
| Rated torque | 1100 N.m/1400 rpm |
| Rated speed | 2200 rpm |
| Lifting Specification | |
| Max. total rated lifting capacity | 50000 kg |
| Min. rated working radius | 3 m |
| Turning radius at turntable tail | 3.8 m |
| Max. load moment: Base boom | 1509 KN.m |
| Max. load moment: Fully extended boom | 631 KN.m |
| Max. load moment: Fully extended boom jib | 441 KN.m |
| Outrigger span: Longitudinal | 5.45 m |
| Outrigger span: Lateral | 6.6 m |
| Lifting height: Base boom | 10.7 m |
| Lifting height: Fully extended boom | 40.1 m |
| Lifting height: Fully extended boom Jib | 55.1 m |
| Mass Specification | |
| Total mass in travel state | 39870 kg |
| Axle load: Axle 1, Axle2 | 13935 kg |
| Axle load: Axle 3, Axle4 | 25935 kg |
| Working Speed | |
| Boom raising time | 120 s |
| Boom full extension time | 180 s |
| Max. swing speed | 2.0 rpm |
| Main winch (full load)Hoist speed | 70 rpm |
| Main winch (no load)Hoist speed | 118 rpm |
| Aux winch (full load)Hoist speed | 70 rpm |
| Aux winch (no load)Hoist speed | 118 rpm |
| Noise limit: Crane exterior noise | ≤118 dB (A) |
| Noise limit: At seated position | ≤90 dB (A) |
| Travel Specification | |
| Travel speed: Max. travel speed | 78 km/h |
| Travel speed: Min. stable travel speed | 2 km/h |
| Turning diameter: Min. turning diameter | 24 m |

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|---|----------|
| Turning diameter: Min. turning diameter at boom tip | 27.4 m |
| Min. ground clearance | 291 mm |
| Approach angle | 16° |
| Departure angle | 10° |
| Braking distance (at 30km/h with full load) | 10 m |
| Max. grade-ability | 37% |
| Fuel consumption for 100km | 48 L |
| Dimensions | |
| Overall length | 13270 mm |
| Overall width | 2750 mm |
| Overall height | 3300 mm |
| Wheel base: Axle 1, Axle 2 | 1520 mm |

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