



QY12 Truck Crane(Mobile Crane)

The QY12 is a truck crane with hydraulic drive, full swing and telescopic boom, step-less speed variation for various operation mechanisms.

1. The whole vehicle conforms to 46 standards of China National Compulsory Inspection. Marker lamps are installed at the front, middle and rear. Side protection fenders are fitted for the vehicle.
2. Adoption of Euro compliant D6114ZLQ5B or WD415.21 engine.
3. A load weighing device equipped in operator's cab can display load lifting capacity and give a warning when overload occurs, ensuring the safety in lifting operation.
3. 3-section main telescopic boom and single cylinder for front support elevating.
4. Two-pump flow can be combined for the winch to improve working efficiency.
5. Jib is available for option.
6. Well-equipped safety devices such as relief valve, hydraulic lock, hoist limit switch, working radius indicator and stabilizer.
- 7 Double H-shaped outriggers operated from both sides of the chassis are used for support and leveling of the vehicle.
8. Simple structure, light weight and good mobility.

Shanghai Longji Construction Machinery Co., Ltd.

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Engine	
Model	D6114
Rated power	158 kw
Rated torque	790 N.m/1400 rpm
Rated speed	2200 rpm
Lifting Specification	
Max. total rated lifting capacity	12000 kg
Min. rated working radius	3 m
Turning radius at turntable tail	2.6 m
Max. load moment: Base boom	410 KN.m
Max. load moment: Fully extended boom	252 KN.m
Outrigger span: Longitudinal	3.98 m
Outrigger span: Lateral	4.8 m
Lifting height: Base boom	8.6 m
Lifting height: Fully extended boom	21 m
Mass Specification	
Total mass in travel state	16000 kg
Axle load: Axle 1	6000 kg
Axle load: Axle 2	10000 kg
Working Speed	
Boom raising time	50 s
Boom full extension time	75 s
Max. swing speed	2.3 rpm
Main winch (full load)Hoist speed	70 rpm
Main winch (no load)Hoist speed	70 rpm
Traveling Specification	
Travel speed: Max. travel speed	72 km/h
Turning diameter: Min. turning diameter	18000 mm
Min. ground clearance	260 mm
Approach angle	22°
Departure angle	11°
Braking distance (at 30km/h with full load)	9.5 m
Max. grade-ability	26%
Fuel consumption for 100km	30 L
Dimensions	
Overall length	10200 mm
Overall width	2500 mm
Overall height	3200 mm

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Wheel base	4500 mm
Front track	2090 mm
Rear track	1880 mm

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Total rated lifting for boom

Full-extend outrigger with boom at the side or the rear			
Working radius(m)	Base boom(8.6m)	Mid-extend boom(14.8m)	Full-extend boom(21m)
	Lifting Load(kg)	Lifting Load(kg)	Lifting Load(kg)
3.0	12000		
3.5	10900		
4.0	9930		

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