



QY16C Truck Crane(Mobile Crane)

QY16C Truck Crane uses self-made truck crane chassis with Shanghai D6114 engine or Hangzhou WD415.21 engine.

1. A gravity-lowering device fitted in the winch improves working efficiency. Constant closed external meshing brake makes operation safe and reliable.
2. Newly designed 3-section all-round hexagonal boom profile with single cylinder plus wire ropes for telescoping increase load lifting capacity.
3. Belly-mounted jib, double cylinders for front support elevating, fully hydraulic drive and double H-shaped outriggers.
4. Large box type frame, high torsion resistance and wide outrigger extension greatly improve lifting performance.
5. Meticulously designed guide sheaves avoid rope disorder on the winch.
6. Slewing gear with cycloid cylindrical lantern gear reducer absorbs shocking for smooth work.

Shanghai Longji Construction Machinery Co., Ltd.

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7. All steel driver's cab and operator's cab. Air conditioner in driver's cab is for option. Driver's cab equipped with luxurious adjustable seat and adjustable steering wheel makes operation more convenient.
8. Air dryer added in air circuit improves the reliability of the air system.
9. Well-equipped safety devices, such as hoist limit switch, working radius indicator, etc., and also with illuminators for night operation.
10. QY16 plateau type, available for option of customers in plateau area, is suitable for operation in plateau foul conditions.

Engine	
Model	D6114
Rated power	158 kw/2200 rpm
Rated torque	790 N.m/1400 rpm
Rated speed	2200 rpm
Lifting Specification	
Max. total rated lifting capacity	16000 kg
Min. rated working radius	3 m
Turning radius at turntable tail	3.12 m
Max. load moment: Base boom	711 KN.m
Max. load moment: Fully extended boom	449 KN.m
Max. load moment: Fully extended boom Jib	186 KN.m
Outrigger span: Longitudinal	4.6 m
Outrigger span: Lateral	5.4 m
Lifting height: Base boom	9.9 m
Lifting height: Fully extended boom	23.6 m
Lifting height: Fully extended boom Jib	30.8 m
Mass Specification	
Total mass in travel state	22900 kg
Axle load: Axle 1	5240 kg
Axle load: Axle 2, Axle 3	17660 kg
Working Speed	
Boom raising time	60 s
Boom full extension time	75 s
Max. swing speed	2.5 rpm
Main winch (full load)Hoist speed	54 rpm
Main winch (no load)Hoist speed	100 rpm
Aux winch (full load)Hoist speed	54 rpm
Aux winch (no load)Hoist speed	100 rpm
Noise limit: Crane exterior noise	≤118 dB (A)
Noise limit: At seated position	≤90 dB (A)

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Traveling Specification	
Travel speed: Max. travel speed	70 km/h
Travel speed: Min. stable travel speed	4 km/h
Turning diameter: Min. turning diameter	20 m
Turning diameter: Min. turning diameter at boom tip	23 m
Min. ground clearance	270 mm
Approach angle	21°
Departure angle	10°
Braking distance (at 30km/h with full load)	9.5 m
Max. grade-ability	24%
Fuel consumption for 100km	35 L
Dimensions	
Overall length	11990 mm
Overall width	2500 mm
Overall height	3350 mm
Wheel base: Axle 1, Axle 2	4025 mm
Wheel base: Axle 2, Axle 3	

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