



QY50K Truck Crane(Mobile Crane)

QY50K Truck Crane is advanced product with 6 designs won China state patents. QY50K 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. Outstanding performance and the best lifting capacity.
2. Full-width driver's cab is spacious, bright and comfortable.
3. Powerful Styre WD615.67A engine conforms to Euro II .
4. Hydraulic pilot proportional control makes accurate lifting operation.
5. Control components are designed in integrated modules, little energy loss and high efficiency.
6. 5-section telescopic boom has all-round hexagonal boom profile or oviform boom profile. 7. Telescoping system of double cylinders plus wire ropes maximizes lifting capacity.
8. 2-section folding jib with three kinds of offset angle and an additional single top enlarge working range.
9. Well-equipped safety devices such as automatic load moment limiter, hoist limit switch, over-wind and over-release cut-out devices conform to China state compulsory standards.
10. Double H-shaped outrigger with additional front 5th outrigger realizes 360o fully swing lifting operation.
11. Two independent winches, swing unit with free-sliding function can realize load automatically sliding to position.

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12. Operator's cab, with adjustable seat and equipped with indicator, is convenient for operation. 13. Air conditioner and heater are for option.

14. World advanced hydraulic parts are available for option.

Engine	
Model	WD615.67A
Rated output	206/2200 kW/(r/min.)
Rated torque	1100/1400 N.m/(r/min.)
Rated speed	2200 rpm.
Lifting Specification	
Max. total rated lifting capacity	50 t
Min. rated working radius	3 m
Turning radius at turntable tail	≤3.485 m
Max. load moment: Base boom	1764 kN.m
Max. load moment: Fully extended boom	823 kN.m
Max. load moment : Fully extended boom Jib	492.8 kN.m
Outrigger span : Longitudinal	5.65 m
Outrigger span : Lateral	6.6 m
Lifting height : Base boom	10.75 m
Lifting height : Fully extended boom	40 m
Lifting height : Fully extended boom Jib	55.8 m
Mass Specification	
Total mass in travel state	38580 kg
Axle load: Front axle	12950 kg
Axle load: Rear axle	25630 kg
Working Speed	
Boom raising time	88 s
Boom full extension time	180 s
Max. swing speed	2.0 rpm
Main winch (full load)Hoist speed	≥85 m/min
Main winch (no load)Hoist speed	≥110 m/min
Aux winch (full load)Hoist speed	≥80 m/min
Aux winch (no load)Hoist speed	≥110 m/min
Noise limit: Crane exterior noise	≤118 dB (A)
Noise limit: At seated position	≤90 dB (A)
Traveling Specification	
Max. travel speed	66 km/h
Min. stable travel speed	2.7 km/h
Min. turning diameter	24 m

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Min. turning diameter at boom tip	26.8 m				
Min. ground clearance	285 mm				
Approach angle	16°				
Departure angle	16°				
Braking distance (at 30km/h with full load)	10 m				
Max. grade-ability	27%				
Fuel consumption for 100km	36 L				
Dimensions					
Overall length	13100 mm				
Overall width	≤2750 mm				
Overall height	3350 mm				
Wheel base: Axle 1, Axle 2	1520 mm				
Wheel base: Axle 2, Axle 3	3815 mm				
Wheel base: Axle 3, Axle 4	1350 mm				
Total rated lifting for boom					
Boom length					
Working radius(m)	Base boom(10.70m)	Mid-extend boom(18.05m)	Mid-extend boom(25.40m)	Mid-extend boom(32.75m)	Full-extend boom(40.10m)

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