



### QY70K Truck Crane(Mobile Crane)

The concept of making "safe, environmental, reliable and advanced" products is implemented during designing and manufacturing processes.

Gross vehicle weight is reduced and reliability is improved greatly due to adoption of components made by established manufacturers worldwide, as well as first class steel plates and key hydraulic parts.

1. Excellent lifting performance and wide working areas due to variety of counterweight combination, outrigger positions (fully extended and half extended), single top. Its main lifting performance ranks first in domestic similar products.
2. Electro-hydraulic proportional control system and hydraulic system equipped with advanced electro hydraulic proportional valves, slewing buffer valves and electric variable motor contribute to improvements on smooth operation and inching control.
3. Oval cross-section boom has features of strong anti-torsion and reasonable transfer of tension.

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

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4. New materials such as WELDOX 960 super-high tension steel, glass fiber reinforce plastic and aluminum alloy not only meets high performance requirements, but also reduces gross vehicle weight.
5. High working efficiency is achieved by adoption of double variable main hoist system contributing to low speed with heavy load, high speed with light load and energy saving, as well as high elevating and telescoping speed.
6. Spacious and bright cabs for driver and operator, equipped with heater and air conditioner, comfortable for operation.
7. Powerful environmental chassis engine contributes to excellent maneuverability.

Engine	
Rated output	266/2208 kW/(r/min.)
Rated torque	1460/1400 N.m/(r/min.)
Rated speed	2200 rpm.
Lifting Specification	
Max. total rated lifting capacity	70 t
Min. rated working radius	3 m
Turning radius at turntable tail	3.550 m
Max. load moment : Base boom	2303 kN.m
Max. load moment : Fully extended boom	1043 kN.m
Max. load moment : Fully extended boom Jib	492.8 kN.m
Outrigger span :Longitudinal	5.75 m
Outrigger span :Lateral	6.9 m
Lifting height: Base boom	11.2 m
Lifting height: Fully extended boom	42 m

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Lifting height : Fully extended boom Jib	58 m
Mass Specification	
Total mass in travel state	41000 kg
Axle load: Axle 1, Axle 2	15000 kg
Axle load: Axle 3, Axle 4	26000 kg
Working Speed	
Boom elevating time: Boom raising	75 s
Boom telescoping time: Boom full extension/retracting	150/100 s
Max. swing speed	2.0 rpm
Outrigger telescoping time: outrigger beam extending/retracting synchronously	30/20 s
Outrigger telescoping time: Outrigger jack extending/retracting synchronously	35/12 s
Main winch (full load )Hoist speed	75 m/min
Main winch (no load)Hoist speed	130 m/min
Aux winch (full load )Hoist speed	98 m/min
Aux winch (no load)Hoist speed	108 m/min
Traveling Specification	
Max. travel speed	75 km/h
Min. turning diameter	24 m
Min. turning diameter at boom tip	29.0 m

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Min. ground clearance	270 mm
Approach angle	16.5°
Departure angle	11.3°
Braking distance (at speed of 30km/h)	≤10 m
Max. grade-ability	40%
Fuel consumption for 100km	42 L
Dimensions	
Overall length	13500 mm
Overall width	2800 mm
Overall height	3510 mm
Wheel base: Axle 1, Axle 2	1520 mm
Wheel base: Axle 2, Axle 3	3965 mm
Wheel base:: Axle 3, Axle 4	1350 mm

Total rated lifting load for boom

Full-extend outrigger, without the 5th outrigger, Boom at the side or the rear, or with the 5th outrigger.360°swing

Working Radius (m)	Base boom(11.2m)	Mid-extend boom(15.05m)	Mid-extend boom(18.9m)	Mid-extend boom(26.6m)	Mid-extend boom(34.3m)	Full-extend boom(42m)
3	70000					
3.5	63500					
4	54500	46500	36500			
5	47000	40500	35500	22500		

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