



QY80K Truck Crane(Mobile Crane)

1. QY80K Truck Crane uses self-made XZ80 special crane chassis. Full-width driver's cab is spacious, bright and wide vision, with adjustable seat for comfortable operation. Air-conditioner is available for option.
2. 5-section telescopic boom and 2-section folding jib offer a maximum lifting height of 60m. The jib has three offset angle of 0°, 15° and 30° for extension of operating range.
3. Main structural parts are made of high-tensile steel. Main boom is all-round hexagonal profile, providing optimized cross-section and heavy load lifting capacity.
4. Two-stage telescopic outriggers give wide extension and good stability.
5. Equipped with two independent engines of various power and functions for the superstructure and carrier, energy distribution more reasonable, not only having excellent travel performance but also meeting the need of the crane lifting operation.
6. Ergonomically designed operator's cab conforms to ISO standard, spacious and bright, feels tireless even work for a long time.

Shanghai Longji Construction Machinery Co., Ltd.

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

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7. Hydraulic pilot control system implements all the operation precisely with soft moving joystick controls.
8. New type LCD monitor is used for clear display of all crane movements, and easy accession to respective controls, improved safety for operation.
9. Hydraulic system adopts high-pressure variable displacement system with multi-pump and multi-circuit, and controlled by constant power. Hydraulic valve block is designed in integrated module and fitted with imported joints, features little loss of energy, less heat, high work efficiency and energy-saving.
10. Swing gear has controlled free swing mechanism with constant-closed brake and fitted with a buffer valve, realize smooth fine motion control.
11. Perfect safety protection devices of mechanic-electric-hydraulic logical control, equipped with automatic load moment limiter (LML), over-wind and over-release cut-out device, etc., greatly improved safety for crane operation.
12. Excellent travel performance: powerful engine, imported automatic torque converter, dual-circuit hydraulic powered steering and dual-circuit air brake system, all these enable the crane to drive safely, quickly and comfortably.

Engine	
Type	Benz OM457LA
Rated power	315Kw/1900rpm
Rated torque	2100N.m/1100rpm
Rated speed	1900rpm
Lifting Specification	
Max. total rated lifting capacity	80t
Min. rated working radius	3t
Turning radius at turntable tail	4.35m
Max. load moment of base boom	2669 kN.m
Max. load moment of fully extended boom Jib	578.8 kN.m
Longitudinal outrigger span	6.6m
Lateral outrigger span	7m
Lifting height of base boom	11.1m
Lifting height of fully extended boom	43m
Lifting height of fully extended boom Jib	60m
Jib offset angle	0°, 15°, 30°
Mass Specification	
Total mass in travel state	54800kg
Axle load: Axle1	9650kg
Axle load: Axle2	9650kg
Axle load: Axle3	12850kg
Axle load: Axle4	12850kg
Axle load: Axle5	9800kg

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Working Speed	
Max. swing speed	1.6rpm
Main winch Hoist speed with full load	55m/min
Main winch Hoist speed with no load	82 m/min
Aux. winch Hoist speed with full load	70 m/min
Aux. winch Hoist speed with no load	86 m/min
Traveling Specification	
Max. travel speed	85km/h
Min. travel speed	3km/h
Min. turning radius	13m
Min. turning radius at boom tip	15m
Min. ground clearance	270mm
Approach angle	19°
Departure angle	20°
Braking distance (at 30km/h with full load)	≤12m
Max. grade-ability	22%
Fuel consumption for 100km	75L
Dimensions	
Overall length	14550mm
Overall width	2750mm
Overall height	3750mm
Wheel base: Axle 1, Axle 2	1520mm
Wheel base: Axle 2, Axle 3	2600mm
Wheel base: Axle 3, Axle 4	1600mm
Wheel base: Axle 4, Axle 5	1350mm
Track: Axle 1, Axle 2, Axle 5	2300mm
Track: Axle 2, Axle 4	2055mm

Total rated lifting load for boom

Outrigger fully extend,4.7t counterweight Unit :t

4.7t counterweight,360°swing on full-extended Outriggers									
Working	Boom length(m)								
Radius(m)	12	16.13	20.25	24.38	28.5	32.63	36.75	40.88	45
3	80	62							
3.5	69	57	42	&nb					

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