



#### QY40K Truck Crane(Mobile Crane)

1. Standard 3-axle truck crane of the most advanced performance in China with the technology and quality achieved as 30t class in foreign country.
2. First introduced the concept of 25t class with 5 boom sections, main boom length 38.5m and jib length 8.3m, and the lifting height for boom and jib is at the advanced level of international same type of cranes.
3. Main load-bearing structural parts are made of high strength steel. Application of octagonal boom profile and reasonable setting of half or fully extended boom section contribute the crane powerful load lifting capacity.
4. Hydraulic system adopts serial items of China State Patent and serial items of technical innovation, so that the whole machine features strong power, energy-saving and high efficiency.
5. Swing system with free-sliding function can automatic align to load, offset pinion makes meshing clearance easy to adjust, less impact and smooth operation.
6. Well-equipped with perfect safety devices such as load moment limiter (LML), hoist limit switch, rope-end limiter, safety control valve, hydraulic pressure protection valve, anti-cavitations and

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anti-blocking device, etc, make operation more reliable.

7. Environmental, energy-saving and powerful engine offers strong drive for the crane carrier and improves travel performance for the whole machine.

8. Spacious and beautiful operator's cab, equipped with adjustable seat, newly-designed air-conditioning system, etc. all present the concept of "People Coming First".

Engine	
Model	WD615.46
Rated power	266 kw/2200 rpm
Rated torque	1460 N.m/1400 rpm
Rated speed	2200 rpm
Lifting Specification	
Max. total rated lifting capacity	40000 kg
Min. rated working radius	3 m
Turning radius at turntable tail	3.482 m
Max. load moment: Base boom	1400 KN.m
Max. load moment: Fully extended boom	720 KN.m
Max. load moment: Fully extended boom jib	528 KN.m
Outrigger span: Longitudinal	5.65 m
Outrigger span: Lateral	6.6 m
Lifting height: Base boom	10.9 m
Lifting height: Fully extended boom	40.4 m
Lifting height: Fully extended boom Jib	55.1 m
Mass Specification	
Total mass in travel state	40400 kg
Axle load: Axle 1, Axle2	14500 kg
Axle load: Axle 3, Axle 4	25900 kg
Working Speed	
Boom raising time	88 s
Boom full extension time	180 s
Max. swing speed	2 rpm
Main winch Hoist speed	110 rpm
Aux winch Hoist speed	110 rpm
Noise limit: Crane exterior noise	≤118 dB (A)
Noise limit: At seated position	≤90 dB (A)
Traveling Specification	
Travel speed: Max. travel speed	75 km/h
Travel speed: Min. stable travel speed	4.3 km/h
Turning diameter: Min. turning diameter	24 m

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Turning diameter: Min. turning diameter at boom tip	26.8 m
Min. ground clearance	285 mm
Approach angle	16°
Departure angle	11°
Braking distance (at 30km/h with full load)	10 m
Max. grade-ability	46%
Fuel consumption for 100km	46 L
Dimensions	
Overall length	13050 mm
Overall width	2800 mm
Overall height	3460 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 load for boom  
Oviform boom with outrigger fully exte

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