



QY25K Truck Crane(Mobile Crane)

QY25K Truck Crane outlines profile and hydraulic system won 6 China state patents.

1. 4-section boom of all-round octagonal boom profile, single cylinder for front support elevation, low center of gravity, good stability.
2. Main and auxiliary winches are independent each other, work not only individually but also simultaneously.
3. Full-width driver's cab with wide vision is convenient for operation.
4. Swing system with free-sliding function automatically aligns to load. Pinion offset makes meshing clearance easy to adjust.
5. New materials are used to minimize the vehicle total weight and maximize the whole vehicle performances. Main performances are in the leading position in the industry.
6. Hydraulic pilot control system realizes all operations precisely with softly pushing the two joysticks on armrest (mechanical operation system for option).

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7. Hydraulic valve block is integrated modular designed, little pressure loss and high work efficiency.
8. Counterbalance valve designed with international technology, oil filter, anti-cavitations device and plug in hydraulic circuit make operation more reliable.
9. Well-equipped safety devices such as automatic load moment limiter, hoist limit switch, and wire rope over-release cut-out device make operation safer.
10. Engine, air conditioner for superstructure and carrier and hydraulic device are available for option.

Engine	
Model	SC8DK280Q3
Rated power	206 kw/2200 rpm
Rated torque	790 N.m /1400 rpm
Rated speed	2200 rpm
Lifting Specification	
Max. total rated lifting capacity	25000 kg
Min. rated working radius	3 m
Turning radius at turntable tail	3 m
Max. load moment: Base boom	948 kN.m
Max. load moment: Fully extended boom	521 kN.m
Max. load moment: Fully extended boom Jib	331 kN.m
Outrigger span: Longitudinal	4.8 m
Outrigger span: Lateral	6 m
Lifting height: Base boom	10.5 m
Lifting height: Fully extended boom	32.5 m
Lifting height: Fully extended boom Jib	40.8 m
Mass Specification	
Total mass in travel state	27900 kg
Axle load: Axle 1	6100 kg
Axle load: Axle 2, Axle 3	21800 kg
Working Speed	
Boom raising time	75 s
Boom full extension time	100 s
Max. swing speed	2.5 r/min
Main winch (full load)Hoist speed	≥70 m/min
Main winch (no load)Hoist speed	≥100 m/min
Aux winch (full load)Hoist speed	≥60 m/min
Aux winch (no load)Hoist speed	≥100 m/min
Noise limit: Crane exterior noise	≤118 dB (A)
Noise limit: At seated position	≤90 dB (A)
Traveling Specification	
Travel speed: Max. travel speed	72 km/h

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Travel speed: Min. stable travel speed	3 km/h
Turning diameter: Min. turning diameter	22 m
Turning diameter: Min. turning diameter at boom tip	24 m
Min. ground clearance	260 mm
Approach angle	16°
Departure angle	13°
Braking distance (at 30km/h with full load)	10 mm
Max. grade-ability	27%
Fuel consumption for 100km	35 L
Dimensions	
Overall length	12360 mm
Overall width	2500 mm
Overall height	3380 mm
Wheel base: Axle 1, Axle 2	4125 mm
Wheel base: Axle 2, Axl	

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