



QY55K Truck Crane(Mobile Crane)

Self-made 8 x 4 chassis special for the QY55K truck crane with high quality main components and parts being purchased at home and abroad

Equipped with WD Duetz engine WP10.336 for carrier, Cummins engine EQ6BTA-5.9-C180 for superstructure.

British Lipe clutch, imported hydraulic piloted proportional control valve and solenoid valve.

5-section main boom of 41 mete and 2-section jib, with German PAT moment limiter.

Lifting operation can be realized by hydraulic piloted proportional control or pull rod control

Engine	
Engine For Carrier	
Model	WD Duetz WP10.336
Rated power	247 kw/2200 rpm
Rated torque	1250 N.m/1300-1400 rpm
Rated speed	2200 rpm
Engine For Superstructure	
Model	Cummins EQ6BTA-5.9-C180
Rated power	132 kw/2200 rpm
Rated torque	750 N.m/1300 rpm

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Rated speed	2200 rpm
Lifting Specification	
Max. total rated lifting capacity	55000 kg
Min. rated working radius	3 m
Turning radius at turntable tail	3.8 m
Max. load moment: Base boom	1764 KN.m
Max. load moment: Fully extended boom	850 KN.m
Max. load moment: Fully extended boom jib	317.52 KN.m
Outrigger span: Longitudinal	5.5 m
Outrigger span: Lateral	7.2 m
Lifting height: Base boom	11 m
Lifting height: Fully extended boom	41 m
Lifting height: Fully extended boom Jib	56 m
Mass Specification	
Total mass in travel state	41880 kg
Axle load: Axle 1, Axle2	16800 kg
Axle load: Axle 3, Axle4	25080 kg
Working Speed	
Boom raising time	65 s
Boom full extension time	115 s
Max. swing speed	1.77 rpm
Main winch Hoist speed	115 rpm
Aux winch Hoist speed	115 rpm
Traveling Specification	
Travel speed: Max. travel speed	75 km/h
Turning diameter: Min. turning diameter	24 m
Min. ground clearance	280 mm
Approach angle	17.5°
Departure angle	13.5°
Braking distance (at 30km/h with full load)	12 m
Max. grade-ability	32%
Fuel consumption for 100km	52 L
Dimensions	
Overall length	13000 mm
Overall width	2750 mm
Overall height	3685 mm
Wheel base: Axle 1, Axle 2	1450 mm
Wheel base: Axle 2, Axle 3	

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