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25 TONNAGE

SERIES TRUCK CRANE





QY25B.5
Half Cab

Dodecagonal boom with four segments



QY25K-II
Full Cab

Dodecagonal boom with four segments
Single-cylinder luffing, double winches
Guided pilot control
Manual mechanical control

Enhanced performance and quality assurance with five technology highlights.

Enhanced performance, better quality, ease of use, easy maintenance, with greater energy efficiency and environmental protection.

Highlight I: Enhanced Performance

The optimized machine layout reduces stress on major bearing components, resulting in a lifting performance that surpasses other similar products in the industry.

A telescopic mechanism is used to smoothly integrate the boom head to an embedded block, making the telescopic boom much more stable and reliable.

The boom length surpasses other options with the same tonnage, increasing the amount of work covered by up to 6%.

Employing new box legs, the design is optimized to withstand stress, cover larger distances, and offers greater rigidity and stability.

Operation efficiency is improved by 6%.

Highlight II: Better Quality

The classic K-series telescopic boom technology is used to ensure safe and reliable operations.

The lifting operation is made more reliable with the industry's more complete safety device system.

A comprehensive upgraded braking system, dual-loop pneumatic design, and improvements across all systems ensure operational safety while the vehicle is in use.

The new power steering mechanism and hydraulic design guarantees the safety of the vehicle at all times, making it more lightweight, agile, and precise.

The highly rigid turret and vehicle frame provides a balance between strength and rigidity.

The integration of design and structural elements have automated the welding process and enhanced reliability.

Highlight III: Ease of Use

The energy efficient load-sensing hydraulic system offers ergonomic and intuitive controls and delivers high precision with good micro-motion resistance.

Operation has been simplified with an optimized rod control mechanism.

The cab uses a large arc-shaped windscreen, which enables wider vision for better control.

The multi-stage centrifugal rotary gear ensures that operation of the rotary system is stable and reliable, with greater operational efficiency.

Highlight IV: Easy Maintenance

The layout and design of the pipelines have been optimized based on scientific research, greatly reducing its dismantling time and maintenance costs.

The electrical system has been comprehensively upgraded and now includes leak-proof electrical connectors, significantly extending the service life of components.

Use of the K-series technology prevents rope disruptions and enhances efficiency, reduces labour intensity and extends the service life of the rope.

The retractable steel wire rope and its protective devices prevents it from dropping and breaking.

Full aluminum-covered platforms are provided for car repairs, effectively protecting vehicle components.

Highlight V: Energy Efficiency and Environmental Protection

It uses dual control engines that are powerful and economically friendly.

In its economical mode, it can meet the engine power demanded for a typical lifting operation, while its high power mode satisfies the requirements needed for highly challenging and efficient operations.

The powerful cooling device eliminates the problem of overheated oil, and extends the service time of hydraulic oil.

Scientifically-supported advanced machine matching technology reduces losses and extends the machine's service life and equipment salvage rate.

25 TONNAGE

Series Truck Crane

Technical Specifications		QY25B.5	QY25K			QY25K-II		QY25K5-I			
Item											Unit
Dimensions	Total length	12990	12550			12650		12300		mm	
	Total width	2500	2500			2500		2500		mm	
	Total height	3430	3380			3380		3350		mm	
Weight	Operating Weight	29000	29400			29400		31750		kg	
	Front axle load	6970	6200			6200		6550		kg	
	Rear axle load	22030	23200			23200		25200		kg	
Power	Engine model	SC8DK260Q3	SC8DK280Q3 / WD615.329 / 6CL280-2			SC8DK280Q3 / WD615.329		SC8DK280Q3 / WD615.329			
	Engine power ratings	192/2200	206/2200	213/2200	206/2200	206/2200	213/2200	206/2200	213/2200	kW/(r/min)	
	Engine torque ratings	1000/1400	1112/1400	1160/1400	1170/1400	1112/1400	1160/1400	1112/1400	1160/1400	N.m/(r/min)	
Travel	Max. travel speed	75	75			75		80		km/h	
	Min. turning diameter	20	22			21.5		22		m	
	Min. ground clearance	272	260			275		260		mm	
	Approach angle	16	16			16		16		°	
	Departure angle	13	13			13		13		°	
	Max. gradeability	30	30			30		40		%	
	Fuel consumption of 100km	40	37			37		37		L	
Driving Parameters	Max. lifting capacity	25	25			25		25		t	
	Min. working radius	3000	3000			3000		3000		mm	
	Turning radius at swing table tail	3.45	3.065			3.065		3.065		m	
	Max. lifting torque	1010	1000			1010		961		kN.m	
	Basic boom lifting height	10.85	10.6			10.7		10.4		m	
	Longest boom lifting height	34.19	33			34.19		39.5		m	
	Longest boom lifting height with secondary arm	42.3	41.15			42.15		47.8		m	
	Outrigger longitudinal distance span	5.0	5.14			5.14		5.14		m	
	Outrigger lateral distance span	6	6			6		6		m	
Working speed	Elevation duration for secondary boom	75	75			75		68		s	
	Elevation duration for fully extended boom	100	100			100		150		s	
	Max. rotation speed	3.0	≥2.5			≥2.5		2.5		r/min	
	Max. speed for main winch	85/120	≥120			≥120		125		m/min	
	Max. speed for auxiliary winch	85/120	≥120			≥120		125		m/min	