

THE ESSENCE OF SANY PRODUCT LIES IN ITS HIGH RELIABILITY

Offering you exceptionally reliable lifting capacity



Truck Crane

QY100

- New industrial design: The “Red Star” series designed by top design in Europe are provided with new appearance and strong associative perception. The advanced mould pressing and electrophoresis process greatly improve the elaboration of product manufacturing;
- Powerful lifting capacity: The U-shaped suspending boom produced in optimal design and imported high strength steel from Sweden brings a lighter weight and stronger suspending ability;
- Newly-designed hydraulic system: The hydraulic system adopts unique multi-pump confluence(diffluence)intelligent speed governing technology. When the double-gear pumps is under confluence, the working speed and working efficiency in relevant can be improved; when the oil is supplied respectively by any one pump, the flow distribution for the compound action can be satisfied . Besides, the low-speed working will be more stable with better performance of fine motion;
- Precise control system: The CAN bus control technology is provided with multiple control modules which can transmit control signals and feedback signals through the bus, with high reliability and strong function expansibility; the system resources are shared, which collectively displays system information to integrate the using operation, maintenance, hazard warning, data record of working condition and fault diagnosis;
- The landing leg is provided with automatic levelling and anti-tipping functions;
- Overlong main boom leading the industry: The over-length main boom and lifting height are at the leading level in the industry; The Qy100main boom has full stretching length of 52m and max. lifting height of 52m;
- High working efficiency: The winching system composed of electro-hydraulic proportional variable pump and motor is provided with good performance on speed governing, strong pull of single rope, and fast lifting speed; the maximum speed of single rope exceeds 135m/min with high working efficiency; the unique design of back swing buffering makes the operation more precise and the braking more stable, which, to the utmost extent, improves working stability;
- Outstanding running performance: The high-reliability chassis system provided with powerful imported Benz engine and Germany ZF gear box (12 gears),clutch and transfer case in the structure of Germany Kessler driving axle and steering and driving axle has passed the intensive road test of 30,000km; it is the only 100t truck crane in China that adopts four-axle steering technology with good maneuverability and long tyre life.



SANY

QUALITY CHANGES THE WORLD

Main Technical Specifications of QY100 Truck Crane

	Max.rated lifting weight		100t
	Min.rated radius		3m
	Max.rated lifting torque	Primary	3600KN.m
		Fully extended	1920KN.m
	Length of hoisting boom	Primary	13.5m
		Fully extended	52m
		Fully extended+jib	52+18m
Main performance	Maximum height of lift	Primary	13.5m
		Fully extended	52m
		Fully extended+jib	70m
	Luffing range of hoisting boom		-2 ~ 80°
	Node number of hoisting boom		5
	Section shape of hoisting boom		DM
	Jib length		10.7 ~ 18m
	Jib angle		0、15、30°
	Engine	Engine	OM906LA,E2/5
		Rated power	150/(2200)Kw/(r/min)
		Max.torque	750/(1200)N.m/(r/min)
		Rated rotation	2200r/min
	Max.lifting speed (no-load)	Main winch	135m/min
		(Single-rope the 4 th layer)	Auxiliary winch
Speed	Telescoping time of boom		130s
	Elevation time of boom		60/90s
	Max.turning speed		1.93r/min
	Time of extending/retracting	Horizontal	30/20s
	outrigger	Vertical	35/25s
	Span leg in full stretching (vertical X horizontal)		7.56 × 7.6m

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