



XCMG For Your Success

QY25K5-I	
Max. lifting capacity(t)	25
Max. lifting torque(kN.m)	961
Main boom length(m)	39.5
Engine model	SC8DK280Q3
Rated engine power(kW)	206

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	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	213/2200	kW/(r/min)
	Engine torque ratings	1000/1400	1112/1400	1160/1400	1170/1400	1112/1400	1160/1400
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	
Working speed	Outrigger lateral distance span	6	6	6	6	m	
	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		

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Series Truck Crane

QY25K-II Total lifting load for primary boom

Fully extended outrigger without the 5th outrigger, boom at the side or the rear, or with the 5th outrigger at 360 degrees swing.

Working radius (m)	Basic boom 10.70m	Half-extended boom 15.36m	Half-extended boom 20.02m	Half-extended boom 24.68m	Half-extended boom 29.34m	Fully extended boom 34.00m
	Lifting Load (kg)	Lifting Load (kg)	Lifting Load (kg)	Lifting Load (kg)	Lifting Load (kg)	Lifting Load (kg)
3.0	25000					
3.5	25000	18000				
4.0	24000	18000	16000			
4.5	22200	17500	16000	11000		
5.0	20200	17500	16000	10900		
5.5	18200	17500	15200	10600	8000	
6.0	16500	16600	14300	10400	8000	
6.5	15000	15300	13200	10000	8000	7100
7.0	13300	13700	12500	9500	8000	7000
8.0	10600	11000	11000	8800	7500	6700
9.0		9000	9300	8200	7100	6200
10.0		7500	7800	7500	6500	5700
12.0		6300	5600	5900	5600	4600
14.0			4200	4500	4500	4100
16.0			3200	3500	3600	3700
18.0				2800	2800	2800
20.0				2300	2300	2300
22.0				1800	1800	1900
24.0					1500	1500
26.0					1100	1200
28.0						900
30.0						700
Parts of line	10	7	6	4	3	3
Angle area	32°~69°	32°~74°	32°~77°	21°~79°	24°~79°	25°~79°
Weight of hook block	250kg					

QY25K5-II Total lifting load for secondary boom

Primary boom 34m + secondary boom 6.15m, at the side or the rear

Main boom angle (°)	Offset angle		
	Offset angle 0°	Offset angle 15°	Offset angle 30°
	Lifting Load (kg)	Lifting Load (kg)	Lifting Load (kg)
78	2800	2500	1900
75	2800	2400	1750
72	2750	2200	1700
70	2650	2100	1600
65	2150	1800	1500
60	1800	1600	1400
55	1400	1300	1230
50	1000	900	900
40	500	400	400
Weight of hook block	55kg		

Cases

