XCMGcranes.com

XCMG QY70K-I

Construction machine brochure

Max. total rated lifting load		**70t**
Full extended boom lifting height		**44.5m**
Full extended boom lifting height +jib	max	**59.5m**

Crane model series:

All-terrain **Truck crane** **Crawler crane**

Next International

Next International Equipment is a professional company which operates in the domestic sales and export of construction machinery and parts. We have years of experience selling xcmg products through different companies. The company has self-managerial import & export authority, and can independently conduct the import and export business of construction machinery products.

XCMG

Since it's foundation in March 1989, XCMG has always kept its vanguard role in the Chinese construction machinery industry for 25 years. At present, it ranks 5th in world construction machinery industry and 119nd among the top 500 Chinese enterprises. Being a large enterprise group with the largest scale, the most complete product type and series, and the highest competitiveness and influence in Chinese construction machinery industry.

XCMGQY70K-I

The XCMG QY70K-I is a four axle, single engine truck crane.

The specifically designed chassis combined with the eco-friendly engine greatly enhances overall driving performance.

An octagonal shaped boom made of high strength steel is both light and extra rigidly strong.

Specially imported cables and bearings inside the boom make for the most reliable configuration possible.

Patented hydraulic system adopts many innovative technologies which can make the machine more energy saving and powerful.

A newly designed load moment limiting system in full colour makes the safety of the people first priority.

XCMG QY70K-I

Technical specifications

Dimensions

Overall length	13930mm
Overall width	2800mm
Overall height	3575mm

Weight

Weight in travel state	43000kg
Front axle load	17000kg
Rear axles load	26000kg

Power

Engine model	**Steyr WD615.338**
Engine rated output	276kW/2200rpm
Engine rated torque	1500Nm/1400rpm

Engine model	**SC9DF375Q3**
Engine rated output	275kW/2200rpm
Engine rated torque	1500Nm/1400rpm

Engine model	**WP10.375**
Engine rated output	276kW/2200rpm
Engine rated torque	1460Nm/1500rpm

Travel

Max travel speed	80km/h
Min turning diameter	24m
Min ground clearance	327mm
Approach angle	19°
Departure angle	11°
Max grade ability	40%
Fuel consumption of per 100km	45L

Lifting performance

Max total rated lifting load	70t
Min rated working radius	3000mm
Turning radius at swing table tail	3.55m
Max. load moment boom	2303kN/m
Max load moment extended boom	1043Kn/m
Max load moment extended boom +jib	492.8Kn/m

Outrigger span

Longitudinal distance/ Lateral distance	6.1m/7.30m

Boom length

Base boom	11.6m
Full extended boom	44.5m
Full extended boom + jib	59.5m

Working speed

Boom elevation time to max	60s
Boom telescoping time	150/100s
Max. slewing speed	2rpm

Hoisting speed

Main winch	130m/min
Auxiliary winch	108m/min

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Lifting load charts for boom (based on half- outrigger 5m, counterweight 5t)

Half- extended outrigger, without the 5th outrigger, boom at the side or the rear. Or with the 5th outrigger 360° swing.							
Working Radius (m)	Main boom length, load in kg						
	11.6m	15.71m	19.82m	25.98m	32.15m	38.31m	44.5m
3	70000						
3.5	63500						
4	54500	47500	40600				
5	33600	33400	33400	27600			
6	22600	22400	22300	23800			
7	16500	16300	16200	17500	18200		
8	12600	12400	12300	13500	14300	14100	
9	9800	9700	9600	10700	11400	11900	
10		7700	7600	8700	9400	9800	9900
12		5000	4900	5900	6500	7000	7300
14			3100	4100	4700	5100	5400
16			1900	2800	3400	3800	4100
18				1900	2400	2800	3100
20				1100	1700	2100	2300
22				500	1100	1500	1700
24					600	1000	1200
26						600	800
28							500
Parts of line	12	9	8	6	4	3	3
Boom angle	29.8°~71.5°	34.5°~73.1°	31.4°~77.2°	29.2°~79.4°	42.5°~79.6°	48.8°~80.0°	53°~79.5°

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Lifting load charts for boom (based on half- outrigger 5m, counterweight 4t)

Half- extended outrigger, without the 5th outrigger, boom at the side or the rear. Or with the 5th outrigger 360° swing.							
Working Radius (m)	Main boom length, load in kg						
	11.6m	15.71m	19.82m	25.98m	32.15m	38.31m	44.5m
3	70000						
3.5	63500						
4	54500	47500	40600				
5	31900	31700	31600	27600			
6	21400	21200	21100	2260			
7	15500	15300	15300	1660	17400		
8	11800	11600	11500	12700	13500	14000	
9	9200	9000	8900	10100	10800	11300	
10		7100	7000	8100	8800	9300	9600
12		4500	4400	5500	6100	6500	6900
14			2800	3700	4300	4700	5100
16			1500	2500	3100	3500	3800
18				1600	2200	2500	2800
20				900	1400	1800	2100
22					900	1200	1500
24						800	1100
26							700
Parts of line	12	9	8	6	4	3	3
Boom angle	29.8°~71.5°	34.5°~73.1°	31.4°~77.2°	38.1°~79.4°	48.0°~79.6°	52.9°~80.0°	56.4°~79.5°

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Lifting load charts for boom (based on Full- outrigger 7.3m, counterweight 4t)

Full- extended outrigger, without the 5th outrigger, boom at the side or the rear. Or with the 5th outrigger 360°							
Working Radius (m)	Main boom length, load in kg						
	11.6m	15.71m	19.82m	25.98m	32.15m	38.31m	44.5m
3	70000						
3.5	63500						
4	54500	47500	40600				
5	47000	42600	38500	27600			
6	38500	37000	34200	25500			
7	29500	28800	28500	23500	18200		
8	22500	22300	22300	21500	17500	14100	
9	17800	17700	17600	18700	16000	14100	
10		14400	14300	15500	14500	13200	9900
12		9700	9600	10800	11500	11200	9100
14			6800	7800	8500	9000	8100
16			4800	5800	6500	6900	7200
18				4400	5000	5400	5700
20				3300	3900	4300	4600
22				2400	3000	3400	3700
24					2300	2700	3000
26					1700	2100	2400
28						1600	1900
30						1200	1500
32						900	1200
34							800
36							600
Parts of line	12	9	8	6	4	3	3
Boom angle	29.8°~71.5°	34.5°~73.1°	31.4°~77.2°	29.2°~79.4°	36.2°~79.6°	39.4°~80.0°	37.2°~79.5°

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Lifting load charts for boom (based on Full-outrigger 7.3m, counterweight 5t)

Full- extended outrigger, without the 5th outrigger, boom at the side or the rear. Or with the 5th outrigger 360°							
Working Radius (m)	Main boom length, load in kg						
	11.6m	15.71m	19.82m	25.98m	32.15m	38.31m	44.5m
3	70000						
3.5	63500						
4	54500	47500	40600				
5	47000	42600	38500	27600			
6	38500	37000	34200	25500			
7	30000	29000	28800	23500	18200		
8	23500	23000	23000	21500	17500	14100	
9	18600	18500	18300	19000	16000	14100	
10		15000	15000	16000	14500	13200	9900
12		10300	10300	11300	12000	11200	9100
14			7300	8300	9000	9500	8100
16			5200	6300	6900	7300	7200
18				4700	5400	5800	5950
20				3600	4200	4600	4600
22				2700	3300	3700	3800
24					2600	3000	3100
26					2000	2400	2500
28						1900	2000
30						1400	1600
32						1100	1300
34							1000
36							700
Parts of line	12	9	8	6	4	3	3
Boom angle	29.8°~71.5°	34.5°~73.1°	31.4°~77.2°	29.2°~79.4	36.2°~79.6°	39.4°~80.0°	37.2°~79.5°

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Lifting load charts for jib (based on half- outrigger 5m)

Total rated lifting load for jib Half- extended outrigger (based on outrigger 5m and counterweight 5t) without the 5th outrigger, boom at the side or rear. Or with the 5th outrigger 360° swing.						
Jib lenght Boom angle (°)	8.5m			15m		
	0°	15°	30°	0°	15°	30°
78	4000	2700	2400	2500	1400	1100
75	3600	2500	2300	2100	1250	1040
72	2700	2300	2200	1800	1150	990
70	2100	1900	1800	1600	1100	950
65	1100	1000	1000	700	600	500
60	500	400	400	200		
Half- extended outrigger (based on outrigger 5m and counterweight4t) without the 5th outrigger, boom at the side or rear. Or with the 5th outrigger 360° swing.						
78	4000	2700	2400	2500	1400	1100
75	3500	2500	2300	2100	1250	1040
72	2400	2200	2000	1800	1150	990
70	1900	1700	1600	1350	1100	900
65	900	900	800	550	500	400
60	350	320	300			

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Lifting load charts for jib (based on Full- outrigger 7.3m)

Total rated lifting load for jib Full- extended outrigger (based on outrigger 7.3m and counterweight 4t), without the 5th outrigger, boom at the side or rear. Or with the 5th outrigger 360° swing.						
Jib lenght Boom angle (°)	8.5m			15m		
	0°	15°	30°	0°	15°	30°
78	4000	2700	2400	2500	1400	1100
75	3600	2500	2300	2100	1250	1040
72	3200	2300	2200	1800	1150	990
70	2900	2200	2100	1700	1100	950
65	2400	2000	1900	1400	9500	880
60	1800	1700	1600	1200	850	800
55	1100	1100	1000	700	650	550
50	700	600	600	300	300	300
Full- extended outrigger (based on outrigger 7.3m and counterweight5t) without the 5th outrigger, boom at the side or rear. Or with the 5th outrigger 360° swing.						
78	4000	2700	2400	2500	1400	1100
75	3600	2500	2300	2100	1250	1040
72	3200	2300	2200	1800	1150	990
70	2900	2200	2100	1700	1100	950
65	2400	2000	1900	1400	950	880
60	2000	1800	1700	1200	850	830
55	1300	1200	1100	800	700	600
50	800	650	600	500	400	350

Notes based on upper tables:

- The total rated capacity in the tables is the max. allowable value (including the weight of the hook block and slings); The working radius is the actual value, which includes the boom deflection; wind pressure is 125 N/m², lifting operation is still permissible under the condition of wind level 7.
- The total rated load is the max. lifting capacity for the boom head without jib, when jib is attached on the boom head, the weight of jib should be reduced from the total rated load for boom. The above tables are only reference. See manual for details.

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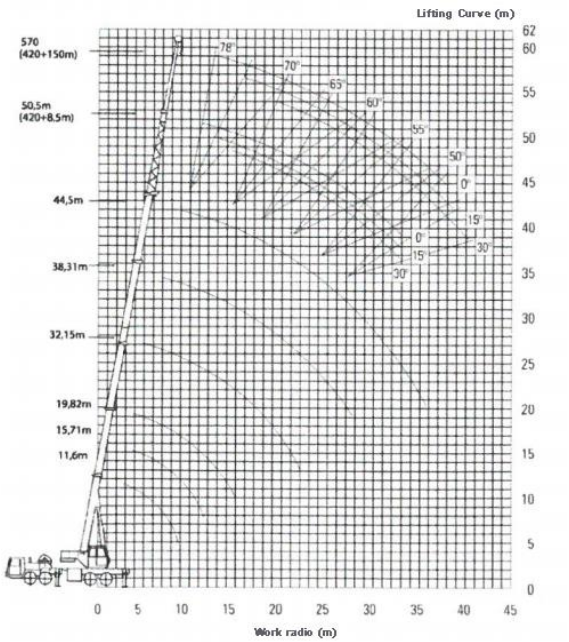
Additional technical information

The large cabin view is making the operator possible to have more operating view. The comfortable seats take the load off the operator and make for optimal attention to the work. QY70K-I is executed with electric side windows.

XCMG QY70K-I is produced within international standards and tested through simulations.

QY70k-I is equipped with a safe load indicator system (SLI) from Hirschmann. Display with 256 color LCD performs an intelligent diagnosing problems with realization of a safe operation.

Innovated boom system with inserted sliders, plug-in boom head of patented technology and world advanced shaped boom cross section makes excellent lifting capacity, safe and reliable lifting operations.



Ergonomic design cabs for driver and operator are spacious enough for flexible and convenient operations.

Six specialized processing techniques ensure high quality production.

NEXT
INTERNATIONAL EQUIPMENT

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