

XCMG QAY220

Construction machine brochure



Max. total rated lifting load



220t

Maximum boom length



64m

Full extended boom +jib



96m



Crane model series:

All-terrain

Truck crane

Crawler crane

XCMG QAY220

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 its 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.

The QAY220 is a six axle crane and it is equipped with superstructure engine and under carriage engine. These engines are EUROIII standard.

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 QAY220

Technical specifications



Dimensions

Overall length	15850mm
Overall width	3000mm
Overall height	3970mm



Weight

Weight in travel state	72000kg
1st axle load	12000kg
2 nd axle load	12000kg
3 rd axle load	12000kg
4 th axle load	12000kg
5 th axle load	12000kg
6 th axle load	12000kg



Power

Superstructure engine	TAD720VE
Engine rated output	162kw/2100rpm
Engine rated torque	1350Nm/1400rpm
Carrier engine	OM502LA.E3A/3
Engine rated output	420kw/1800rpm
Engine rated torque	2700Nm/1300rpm



Travel

Max travel speed	72km/h
Min turning diameter	23m
Min ground clearance	270mm
Approach angle	16°
Departure angle	18°
Max grade ability	50%
Fuel consumption per 100km	80L



Lifting performance

Max total rated lifting load	220t
Min rated working radius	3000mm
Turning radius at swing table tail	5087mm
Base boom Max.load moment	6774kN/m
Base boom	13.6m
Full-extended boom	64m
Full extended boom+jib	96m
Outrigger longitudinal distance span	8.8m
Outrigger lateral distance span	8.7/6.5m



Working speed

Boom elevation time to max	90s
Boom telescoping time	
Extending boom fully	600s
Max. slewing speed	1.9r/min
Hoisting speed (single line)	
Main winch max. speed	120m/m
Auxiliary winch max. speed	110m/m

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Lifting load for boom

Fully extended outrigger 8.7m, counterweight 65t and 360° operation

Working Radius (m)	Main boom length, load in (t)									
	13.6m	18.2m	18.2m	18.2m	22.9m	22.9m	22.9m	27.5m	27.5m	27.5m
3	220*									
3.5	160	150	145	125						
4	145	140	140	117.5	115	130	110			
4.5	135	130	130	110.5	108.5	122.5	104.5	103.5	115	103
5	125	125	120	104.4	102	115.5	99.5	98	110	98
6	116	113	112.5	94	91	102	91	87	103	88.5
7	102.7	101	102	85.4	81.9	91	83.5	78	93	81
8	89.5	89	89.7	78	74	82.5	76.5	70.9	84.5	74.5
9	79	78.5	79.2	72	67.9	74.9	70	64.5	77.5	69
10	67	70	70.9	67	62.5	68.5	64.5	59.9	71	64
12		56.7	57.7	58.3	55	57.1	56	51	57.8	56.5
14		46.7	47.7	48.5	46.2	47.2	48.5	44.5	47.8	49.3
16					38.8	39.7	41.1	39.2	40.5	42
18					33.2	34.1	35.3	33.6	34.7	36.2
20								28.3	29.8	31.5
22								24.1	25.6	27.1
Combination	0000	10000	01000	00100	20000	11000	01100	21000	11100	01110
Parts of line	16		15			12			11	
Angle area	30.8°~73.3°		31.5°~76.8°			32.0°~79.0°			32.4°~80.5°	
Hook block	160t									
Weight of hook block	2416kg									

Notes for upper table:

- ❖ The rated load capacity remarked with * means some devices should be added.
- ❖ Total rated loads shown in the tables means the max. load capacity crane can ensure when crane is set on flat and firm ground.
- ❖ Each total rated load in the tables includes weight of the hook and slings.
- ❖ In boom telescoping modes, 0 indicates that boom section are not extended out; 1 is 46%; 2 is 92% and 3 indicates that section 100% extended.

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Lifting load for boom

Fully extended outrigger 8.7m, counterweight 65t and 360° operation

Working Radius (m)	Main boom length, load in (t)								
	32.1m	32.1m	32.1m	36.8m	36.8m	36.8m	41.4m	41.4m	41.4m
5	89	95	64.5						
6	79.5	92.5	61	79	79	73			
7	73	85.4	57	72	72.5	69.5	56	56.5	60
8	66	79	54	65	66	66	52	52	55
9	60	72.9	51.5	59	60.5	62.5	47.5	47.5	50
10	55	67	49	54	55.5	60	43.7	44	46
12	47	58	44.5	46	47	49.5	39.5	37.5	39.5
14	40	48.7	41.5	40	43.9	43.5	34.5	36.5	35
16	35.5	41.3	38.5	35.4	38.5	40.4	30.5	32	31
18	31.5	35.7	35.5	31.5	34	36.5	26.5	28.5	27.9
20	28.5	30.8	32.5	28	30.1	31.8	23.9	25.5	25
22	24.5	26.5	28.1	25	25.8	27.5	21.9	23	22.5
24	21.1	23.1	24.8	21	22.5	24.1	19.5	21	20.9
26	18	20	21.8	19	19.6	21.3	17.5	19	19
28				16.6	17.3	18.8	16	17.3	18
30				14.6	15.4	16.8	15	15.4	16.3
32							13.5	13.8	14.5
34							12	12.3	1.3
Combination	22000	11110	01111	22100	21110	11111	22200	22110	21111
Parts of line	9			7			6		
Angle area	32.4°~80.5°			32.7°~81.6°			33.4°~81.9°		
Hook block	100t						65t		
Weight of hook block	1543kg						1001kg		

Notes for upper/next table:

- ❖ Total rated loads shown in the tables means the max. load capacity crane can ensure when crane is set on flat and firm ground.
- ❖ Each total rated load in the tables includes weight of the hook and slings.
- ❖ In boom telescoping modes, 0 indicates that boom section are not extended out; 1 is 46%; 2 is 92% and 3 indicates that section 100% extended.

Working load for boom Fully extended outrigger 8.7m, counterweight 65t and 360° operation

Working Radius (m)	Main boom length, load in (t)										
	46.1m	46.1m	46.1m	50.7m	50.7m	50.7m	55.3m	55.3m	55.3m	60m	64m
8	48	48.5	39.5								
9	44.5	45.5	37.5	40	40	34.5					
10	41.4	43	35.4	37.5	37.5	33.5	32.5	33	29.5		
12	35.4	37	31.4	32	33.5	31	29.3	29.5	28	25.2	
14	31.5	32.4	27.5	28	30	27.5	27	27.5	26	23.5	21.3
16	27.5	28.5	24.5	24.5	26	24.5	24.5	25	23	22	19
18	24.5	25	22	22	23.5	22	20.9	22.6	21	20.3	17
20	22	23	20	20	22	20	20	20.6	18.9	19	15.3
22	19.9	20.5	18	18.9	20.5	18	18.3	18.8	17.1	17.1	13.8
24	18	19	16.5	17.5	17.5	16.5	16.8	17.2	16	16	12.6
26	16	17	15	16	16	15	15.4	15.7	13.7	14.9	11.6
28	14.5	15.5	14	14.5	14.9	14	13.8	14.3	13.3	13.9	10.6
30	13.5	14.5	13	13.5	13.5	13	13.2	13.6	12.3	13	9.7
32	12.5	13.5	12	12	12.5	12.5	11.9	12.3	11.6	12	8.9
34	11.5	12.5	11	11.5	11.5	11.4	11.4	11.5	10.8	11	8.2
36	10.5	11.5	10.5	10.5	10.9	10	10.5	10.8	10.3	10.4	7.5
38	9.3	10.3	9.2	9.9	10.1	10	9.7	9.9	9.8	9.5	7
40				9.3	9.4	9.7	9	9.2	9.3	9.2	6.6
42				8.6	8.8	9.2	8.4	8.6	8.8	8.5	6.1
44							7.9	8	8.1	8	5.7
46							7.3	7.5	7.6	7.5	5.3
48										7	4.9
50										6.7	4.6
52										6.5	4.3
54											4.1
56											3.8
Combination	22210	22111	02221	22220	22211	12221	22221	22212	22122	22222	33333
Parts of line		5			4			3		3	2

Angle area	0.7°~3.0°	3.7°~82.0°	34.3°~82.0°	34.6°~81.6°	29.7°~80.8°
Hook block weight		5t / 1001kg		30t / 447kg	

Jib 36m, fully- extend counterweight 8.7m, counter weight 65t, 360° operation

Working load for jib

Angle (°)	Boom length 46.1m			Boom length 50.7m			Boom length 55.3m			Boom length 60.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
82.0	4.0	2.6	2.0	4.0	2.6	2.0	3.7	2.6	2.0	3.7	2.6	1.8
80.0	3.6	2.3	1.8	3.6	2.3	1.8	3.6	2.3	1.8	3.6	2.3	1.8
78.0	3.3	2.3	1.8	3.3	2.3	1.8	3.3	2.2	1.8	3.2	2.2	1.8
76.0	3.2	2.2	1.8	3.2	2.2	1.8	3.0	2.2	1.8	3.0	2.2	1.8
74.0	3.0	2.2	1.8	3.0	2.2	1.6	2.7	2.0	1.6	2.7	2.0	1.6
72.0	2.7	2.0	1.6	2.7	2.0	1.6	2.7	2.0	1.6	2.7	2.0	1.6
70.0	2.6	2.0	1.6	2.6	2.0	1.6	2.6	2.0	1.6	2.6	2.0	1.6
68.0	2.6	2.0	1.6	2.3	1.8	1.6	2.3	1.8	1.6	2.3	1.8	1.6
66.0	2.3	1.8	1.6	2.3	1.8	1.6	2.3	1.8	1.6	2.3	1.8	1.6
64.0	2.2	1.8	1.6	2.2	1.8	1.6	2.2	1.8	1.3	2.2	1.8	1.3
62.0	2.2	1.8	1.3	2.2	1.8	1.3	2.2	1.6	1.3	2.2	1.6	1.3
60.0	2.2	1.6	1.3	2.0	1.6	1.3	2.0	1.6	1.3	2.0	1.6	1.3
58.0	2.0	1.6	1.3	2.0	1.6	1.3	2.0	1.6	1.3	2.0	1.6	1.3
56.0	2.0	1.6	1.3	2.0	1.6	1.3	1.8	1.6	1.3	1.8	1.6	1.3
54.0	1.8	1.6	1.3	1.8	1.6	1.3	1.8	1.6	1.3	1.8	1.6	1.3
52.0	1.8	1.6	1.3	1.8	1.6	1.3	1.8	1.3	1.3	1.8	1.3	1.3
50.0	1.8	1.3	1.3	1.8	1.3	1.3	1.6	1.3	1.3	1.6	1.3	1.3
48.0	1.8	1.3	1.3	1.6	1.3	1.3	1.6	1.3	1.3	1.6	1.3	1.3
46.0	1.6	1.3	1.3	1.6	1.3	1.3	1.6	1.3	1.3	1.6	1.3	1.3
Combination	22210	22111	02221	22220	22211	12221	22221		22212	22222		

Notes for upper/next table:

- ❖ Total rated loads shown in the tables means the max. load capacity crane can ensure when crane is set on flat and firm ground.
- ❖ Each total rated load in the tables includes weight of the hook and slings.
- ❖ In boom telescoping modes, 0 indicates that boom section are not extended out; 1 is 46%; 2 is 92% and 3 indicates that section 100% extended.

26m, fully- extendable trigger 0.7m, counter weight 65t, 360° operation

Capacity (t)	Lifting load (t)											
	Boom length 46.1m			Boom length 50.7m			Boom length 55.3m			Boom length 60.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
82.0	5.6	3.8	3.2	5.4	3.8	3.0	5.4	3.8	3.0	5.1	3.8	3.0
80.0	5.1	3.8	3.2	5.0	3.6	3.0	5.0	3.6	2.9	4.9	3.6	2.9
78.0	4.9	3.6	3.2	4.7	3.6	2.9	4.7	3.3	2.9	4.5	3.3	2.9
76.0	4.5	3.3	3.0	4.5	3.3	2.9	4.5	3.3	2.9	4.3	3.3	2.9
74.0	4.2	3.3	3.0	4.2	3.2	2.7	4.1	3.2	2.7	4.2	3.2	2.7
72.0	4.1	3.2	3.0	4.1	3.2	2.7	4.0	3.2	2.7	4.0	3.0	2.7
70.0	4.0	3.0	2.9	4.0	3.0	2.7	3.8	3.0	2.7	3.6	3.0	2.7
68.0	3.8	3.0	2.9	3.8	3.0	2.7	3.6	3.0	2.7	3.6	3.0	2.7
66.0	3.6	3.0	2.9	3.6	2.9	2.7	3.6	2.9	2.4	3.3	2.9	2.4
64.0	3.6	2.9	2.9	3.3	2.9	2.4	3.3	2.9	2.4	3.2	2.9	2.4
62.0	3.3	2.9	2.7	3.3	2.9	2.4	3.2	2.9	2.4	3.2	2.7	2.4
60.0	3.2	2.9	2.7	3.2	2.7	2.4	3.2	2.7	2.4	3.0	2.7	2.4
58.0	3.2	2.7	2.7	3.2	2.7	2.4	3.0	2.7	2.4	3.0	2.7	2.4
56.0	3.0	2.7	2.7	3.0	2.7	2.4	3.0	2.7	2.4	2.9	2.7	2.4
54.0	3.0	2.7	2.7	3.0	2.7	2.4	2.9	2.7	2.4	2.9	2.4	2.4
52.0	2.9	2.7	2.7	2.9	2.4	2.4	2.9	2.4	2.3	2.9	2.4	2.3
50.0	2.9	2.4	2.3	2.9	2.4	2.3	2.9	2.4	2.3	2.7	2.4	2.3
48.0	2.9	2.4	2.3	2.9	2.4	2.3	2.7	2.4	2.3	2.7	2.4	2.3
46.0	2.7	2.4	2.3	2.7	2.4	2.3	2.7	2.4	2.3	2.7	2.4	2.3
44.0	2.7	2.4	2.3	2.7	2.4	2.3	2.7	2.4	2.3	2.7	2.4	2.3
42.0	2.7	2.4	2.3	2.7	2.4	2.3	2.7	2.4	2.3	2.7	2.4	2.3
40.0	2.7	2.4	2.3	2.7	2.4	2.3	2.4	2.2	2.3	2.4	2.2	2.3
38.0	2.2	2.2	2.3	2.4	2.2	2.3	2.4	2.2	2.0	2.4	2.2	1.8

36.0	2.2	2.2	1.8	2.4	2.2	1.4	2.4	2.2	1.4	2.4	2.1	1.2
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Jib 28m, fully- extend counterweight 8.7m, counter weight 65t, 360° operation

Working load for jib

Angle (°)	Boom length 46.1m			Boom length 50.7m			Boom length 55.3m			Boom length 60.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
34	2.2	2.2	1.0	2.2	2.2		2.2	2.1		2.2	2.1	
32	2.2	2.2		2.2	2.1		2.2	2.1		2.2	2.1	
30	2.2	2.2		2.2	2.1		2.2	2.1		2.2	2.1	
28	2.2	2.2		2.2	2.1		2.2	2.1		2.2	2.1	
26	2.2	2.2		2.2	2.1		2.2	2.0		2.1	2.0	
24	2.2	2.2		2.2	2.1		2.1	1.8		2.0	1.8	
22	2.2	1.8		2.1	1.6		2.1	1.4		1.8	1.3	
20	2.1	1.3		2.1	0.9		2.1	0.9		1.8		
18	2.1			2.1			2.1			1.7		
16	2.1			2.1			2.1			1.7		
Combination	22210	22111	02221	22220	22211	12221	22221	22212		22222		

Notes for upper table:

- ❖ Total rated loads shown in the tables means the max. load capacity crane can ensure when crane is set on flat and firm ground.
- ❖ Each total rated load in the tables includes weight of the hook and slings.
- ❖ In boom telescoping modes, 0 indicates that boom section are not extended out; 1 is 46%; 2 is 92% and 3 indicates that section 100% extended.

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Lifting load for jib

Jib20m, fully- extend outrigger 8.7m, counter weight 65t, 360° operation

Lifting load (t)												
Angle (°)	Boom length 46.1m			Boom length 50.7m			Boom length 55.3m			Boom length 60.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
82.0	6.7	4.4	3.6	6.7	4.3	3.1	6.7	4.3	3.1	6.7	4.0	3.1
80.0	6.6	4.2	3.4	6.5	4.0	3.1	6.5	3.8	3.1	6.5	3.8	3.1
78.0	6.5	3.8	3.2	6.4	3.8	3.1	6.4	3.7	3.1	6.2	3.7	3.1
76.0	6.0	3.6	3.0	6.0	3.7	3.1	6.0	3.7	2.8	5.7	3.6	2.8
74.0	6.0	3.5	2.9	5.5	3.6	2.8	5.5	3.6	2.8	5.5	3.6	2.8
72.0	5.4	3.4	2.8	5.4	3.4	2.8	5.2	3.4	2.8	5.2	3.4	2.8
70.0	5.4	3.2	2.6	5.0	3.1	2.7	5.0	3.1	2.7	5.0	3.1	2.7
68.0	5.4	3.1	2.7	4.7	3.1	2.7	4.7	3.1	2.7	4.7	3.1	2.7
66.0	5.4	3.1	2.7	4.5	3.1	2.7	4.5	3.1	2.7	4.5	3.1	2.7
64.0	5.1	3.1	2.7	4.4	3.1	2.7	4.4	3.1	2.7	4.4	3.1	2.6
62.0	5.0	2.9	2.6	4.2	2.8	2.6	4.2	2.8	2.6	4.2	2.8	2.6
60.0	4.9	2.6	2.4	4.2	2.8	2.6	4.0	2.8	2.6	3.7	2.8	2.6
58.0	4.7	2.6	2.4	4.0	2.8	2.6	4.0	2.8	2.6	3.7	2.7	2.6
56.0	4.7	2.6	2.4	3.7	2.7	2.6	3.7	2.7	2.6	3.7	2.7	2.6
54.0	4.5	2.6	2.4	3.7	2.7	2.6	3.6	2.7	2.6	3.6	2.7	2.6
52.0	4.2	2.6	2.4	3.6	2.7	2.6	3.6	2.7	2.6	3.6	2.7	2.6
50.0	4.2	2.6	2.4	3.6	2.7	2.6	3.6	2.6	2.3	3.3	2.6	2.3
48.0	4.1	2.4	2.4	3.3	2.6	2.3	3.3	2.6	2.3	3.3	2.6	2.3
46.0	4.1	2.4	2.2	3.3	2.6	2.3	3.3	2.6	2.3	3.3	2.6	2.3
44.0	4.0	2.4	2.2	3.3	2.6	2.3	3.2	2.6	2.3	3.2	2.6	2.3
42.0	4.0	2.4	2.2	3.2	2.6	2.3	3.2	2.6	2.3	3.2	2.6	2.3
40.0	4.0	2.4	2.2	3.2	2.6	2.3	3.2	2.6	2.3	3.2	2.6	2.3
38.0	3.8	2.4	2.2	3.2	2.6	2.3	3.2	2.6	102	3.0	2.3	2.2
36.0	3.8	2.4	2.2	3.0	2.6	2.0	3.0	2.3	1.7	3.0	2.3	1.7

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Lifting load for jib

Jib20m, fully- extend outrigger 8.7m, counter weight 65t, 360° operation

Angle (°)	Boom length 46.1m			Boom length 50.7m			Boom length 55.3m			Boom length 60.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
34	3.8	2.2	1.4	3.0	2.3	1.1	3.0	2.3	1.1	3.0	2.3	0.9
32	3.8	2.2		3.0	2.3		2.4	2.3		3.0	2.3	
30	3.6	2.2		3.0	2.3		2.4	2.3		3.0	2.3	
28	2.7	2.2		2.6	2.3		2.4	2.3		3.0	2.3	
26	2.7	2.2		2.6	2.3		2.4	2.3		2.0	2.3	
24	2.7	2.2		2.3	2.3		2.2	2.3		2.0	2.3	
22	2.4	2.2		2.3	2.2		2.2	2.0		2.0	1.9	
20	2.4	1.8		2.3	1.5		2.2	1.4		2.0	1.1	
18	2.4	0.9		2.3			2.2			2.0		
16	2.4			2.3			2.2			2.0		
Combination	22210	22111	02221	22220	22211	12221	22221	22212		22222		

Notes for upper table:

- ❖ Total rated loads shown in the tables means the max. load capacity crane can ensure when crane is set on flat and firm ground.
- ❖ Each total rated load in the tables includes weight of the hook and slings.
- ❖ In boom telescoping modes, 0 indicates that boom section are not extended out; 1 is 46%; 2 is 92% and 3 indicates that section 100% extended.

XCMG QAY220

Lifting load for jib

Jib 11.55m, fully- extend outrigger 8.7m, counter weight 65t, 360° operation

Lifting load (t)												
Angle (°)	Boom length 46.1m			Boom length 50.7m			Boom length 55.3m			Boom length 60.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
82.0	12.0	8.6	7.1	12.0	8.2	7.0	12.0	8.2	6.7	12.0	8.1	6.7
80.0	12.0	8.5	7.1	12.0	8.1	6.7	12.0	8.1	6.4	12.0	8.1	6.4
78.0	12.0	8.2	7.0	11.8	8.1	6.4	11.8	8.1	6.2	11.8	7.9	6.2
76.0	11.4	8.1	6.8	10.8	7.9	6.2	10.8	7.9	6.2	11.1	7.6	6.2
74.0	10.8	7.9	6.2	10.4	7.7	6.1	10.4	7.7	5.9	10.4	7.3	5.9
72.0	10.0	7.7	6.1	10.0	7.3	5.7	10.0	7.3	5.7	10.0	7.2	5.7
70.0	9.5	7.6	5.7	9.5	7.2	5.7	9.5	7.2	5.4	9.5	6.8	5.4
68.0	9.4	7.3	5.7	9.4	6.8	5.4	9.4	6.8	5.4	9.4	6.3	5.4
66.0	9.0	7.2	5.4	9.0	6.5	5.4	9.0	6.5	5.2	9.0	6.0	5.2
64.0	8.2	6.9	5.4	8.2	6.3	5.2	8.1	6.3	5.2	8.1	5.9	5.2
62.0	8.1	6.7	5.4	8.1	6.0	5.2	7.9	6.0	5.1	7.7	5.8	5.1
60.0	7.9	6.7	5.2	7.7	5.9	4.9	7.6	5.9	4.9	7.3	5.6	4.9
58.0	7.9	6.0	5.2	7.6	5.6	4.9	7.3	5.6	4.9	6.9	5.4	4.9
56.0	7.7	5.9	5.2	7.3	5.4	4.9	7.2	5.4	4.8	6.7	5.1	4.8
54.0	7.3	5.8	5.2	7.2	5.1	4.9	6.9	5.1	4.8	6.7	5.0	4.8
52.0	7.2	5.6	5.1	6.8	5.0	4.8	6.8	5.0	4.7	6.7	4.9	4.7
50.0	6.9	5.6	4.9	6.7	4.9	4.8	6.7	4.9	4.5	6.5	4.7	4.5
48.0	6.8	5.4	4.8	6.5	4.7	4.5	6.5	4.7	4.5	6.5	4.5	4.5
46.0	6.7	5.0	4.8	6.5	4.5	4.3	6.3	4.5	4.3	6.3	4.2	4.3
44.0	6.5	4.7	4.5	6.3	4.2	4.3	6.3	4.2	4.3	6.0	4.2	4.3
42.0	6.5	4.7	4.5	6.3	4.2	4.3	6.0	4.2	4.2	6.0	4.1	4.2
40.0	6.3	4.5	4.2	6.0	4.1	4.2	6.0	4.1	4.0	5.8	4.1	4.0
38.0	6.0	4.2	3.8	5.9	4.1	3.4	5.9	4.1	3.4	5.4	4.0	3.4
36.0	6.0	4.2	3.4	5.9	4.0	3.4	5.9	4.0	2.5	5.1	4.0	2.5

XCMG QAY220

Lifting load for jib

Jib 11.5m, fully- extend outrigger 8.7m, counter weight 65t, 360° operation

Angle (°)	Boom length 46.1m			Boom length 50.7m			Boom length 55.3m			Boom length 60.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
34	5.9	4.2	1.5	5.9	4.0	2.2	5.8	4.0	1.7	4.9	4.0	1.7
32	5.9	4.2	1.0	5.8	4.0		5.4	4.0		4.5	4.0	
30	5.9	4.1		5.8	4.0		5.1	4.0		4.2	3.8	
28	5.8	4.1		5.8	4.0		5.0	4.0		4.1	3.8	
26	5.8	4.1		5.8	4.0		4.7	4.0		4.0	3.8	
24	5.8	4.1		5.6	3.6		4.5	3.6		3.8	3.3	
22	5.6	4.1		5.6	2.9		4.5	2.9		3.6	2.7	
20	5.6	4.1		5.4	2.3		4.2	2.0		3.4	1.8	
18	5.6			5.3	2.0		4.2	1.0		3.3	1.0	
16	5.4			5.1			4.1			3.3		
Combination	22210	22111	02221	22220	22211	12221	22221	22212		22222		

Notes for upper table:

- ❖ Total rated loads shown in the tables means the max. load capacity crane can ensure when crane is set on flat and firm ground.
- ❖ Each total rated load in the tables includes weight of the hook and slings.
- ❖ In boom telescoping modes, 0 indicates that boom section are not extended out; 1 is 46%; 2 is 92% and 3 indicates that section 100% extended.



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