

QY110K TRUCK CRANE



QY110K 亮点优势展示



创新吊臂系统，采用嵌入式滑块，插入式臂头专利技术与国际先进的“U”形吊臂截面，吊重性能卓越，吊装作业安全可靠。
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.



专有的伸缩技术，避免由误操作引起的芯管弯曲、油缸弯曲、臂架折断情况的出现，提高操作安全性。
Exclusive telescoping technology prevents occurrence of core pipe bending, oil cylinder bending and boom breaking caused by mis-operation, and therefore operation safety is improved.

负载敏感系统示意图 Loading sensitive system diagram

八项专利技术，保证起升、回转、变幅机构动作的平顺性，高效性与节能性。

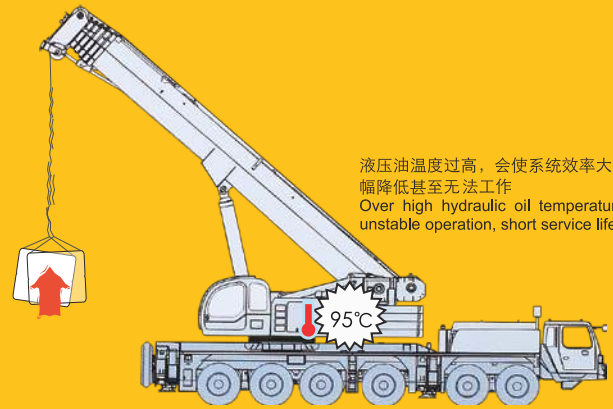
Eight patented technologies ensure the smooth movement, high efficiency & economy of lifting, slewing and elevating mechanisms.

正常液压油温度，保证系统良好的运转，并延长产品生命周期
Normal hydraulic oil temperature, stable operation, long service life



传统操纵系统示意图 Traditional operating system diagram

液压油温度过高，会使系统效率大幅降低甚至无法工作
Over high hydraulic oil temperature, unstable operation, short service life

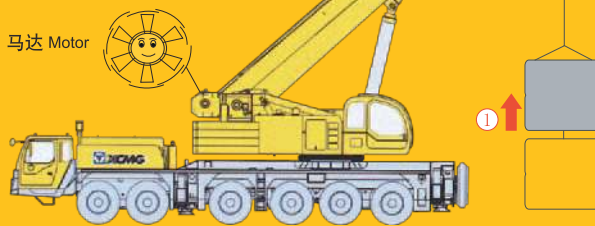


大排量马达保证一次性实现二次提升
Large displacement motor ensures to realize second lifting for one time

选用大扭矩起点新型液压马达，二次起升作业更安全。

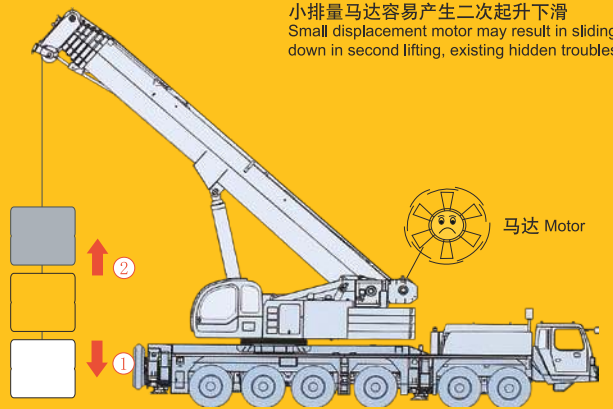
New hydraulic motor with larger original torque makes greater safe second-lifting operation.

马达 Motor



小排量马达容易产生二次起升下滑
Small displacement motor may result in sliding down in second lifting, existing hidden troubles

马达 Motor



力矩限制器采用彩色液晶显示器，实现故障诊断智能化，精度领先于同行业。
Load moment limiter with color LCD realizes intelligent trouble diagnostic, and its precision leads in the same-class products in the industry.



人性化设计的驾驶室与操作室，空间更大，操作灵活简便。
Ergonomic design cabs for driver and operator are spacious enough for flexible and convenient operations.



六大专有工艺制造技术，确保高品质产出。
Six specialized processing techniques ensure high quality production.

技术参数 TECHNICAL SPECIFICATIONS

QY110K



尺寸参数 Dimensions

Unit

整体全长 Overall length	mm	14800 / 15270
整机全宽 Overall width	mm	3000
整机全高 Overall height	mm	3920



重量参数 Weight

行驶状态整机质量 Dead weight in travel state	kg	54900/58000
一轴 二轴 三轴 1st.2nd.3rd axle	kg	7500/7500/8300(9000)
四轴 五轴 六轴 4th.5th.6th axle	kg	12000(13000)/12000(13000)/7600(8000)



动力参数 Power

发动机型号 Engine model	OM906LA(上车)/OM460LA(下车)		
发动机额定功率 Engine rated output	kW/(r/min)	162/2100 360/1800	
发动机额定扭矩(上车/下车) Engine rated torque	N.m/(r/min)	1054/1500 2200/1300	



行驶参数 Travel

最高行驶速度 Max.travel speed	km.h	80
最小转弯直径 Min.turning diameter	m	24
最小离地间隙 Min.ground clearance	mm	300
接近角 Approach angle	°	20
离去角 Departure angle	°	14
最大爬坡能力 Max.gradeability	%	40
百公里油耗 Fuel consumption of per 100km	L	75



主要性能参数 Lifting performance

最大额定总起重量 Max.total rated lifting load	t	110
最小额定工作幅度 Min.rated working radius	mm	3000
转台尾部回转半径 Turning radius at swing table tail	m	4.51
最大起重力矩 Max.load moment	kN.m	4233
基本臂 Base boom	m	12.8
最长主臂 Fully-extended boom	m	58
最长主臂+副臂 Full-extended boom+Jib	m	76.1
支腿纵向距离 Outrigger longitudinal distance span	m	7.56
支腿横向距离 Outrigger lateral distance span	m	7.6(5.2)



工作速度参数 Working speed

起重臂变幅时间 Boom elevating time	s	60
起重臂全伸全缩时间 Boom full extending time	s	600
最大回转速度 Max.slewing speed	r/min	1.9
主起升机构最大速度(单绳) Main winch max.speed(single line)	m/min	≥105
副起升机构最大速度(单绳) Auxiliary winch max.speed(single line)	m/min	≥105

起重性能表 TOTAL RATED LIFTING LOAD



QY110K主臂起重性能表 Total rated lifting load for boom

32吨配重 支腿全伸 360° 作业 Full-extend outrigger with 32t counterweight.360°swing

工作幅度 Working Radius	臂长 Boom length											
(m)	12.8	21.1	25.3	29.4	33.6	37.8	41.9	46.1	50.2	54.4	58.0	
3.0	110.0											
3.5	106.0											
4.0	97.0	80.5	58.0									
4.5	89.0	74.7	56.0	53.0								
5.0	83.0	69.0	53.6	52.0	43.3							
6.0	72.0	62.0	47.9	49.5	38.9	33.2						
7.0	59.0	55.0	43.6	47.1	34.6	30.3	25.0					
8.0	51.0	50.6	40.2	42.6	31.1	27.5	24.0	21.5				
9.0	44.0	46.0	37.3	38.9	28.2	25.0	23.4	20.5	17.7	13.1		
10.0	38.0	38.2	34.2	35.4	25.4	23.2	22.5	19.0	17.0	12.4	11.4	
12.0		32.0	29.3	30.5	21.9	19.6	20.1	18.0	15.7	11.6	10.8	
14.0		24.0	25.6	26.6	18.8	17.1	17.6	17.0	14.3	10.9	10.2	
16.0		20.0	21.6	21.8	16.4	14.8	15.8	15.8	13.2	10.1	9.6	
18.0		16.0	17.5	17.6	14.4	13.2	14.6	14.6	12.0	9.5	9.0	
20.0			14.4	14.5	12.6	11.8	13.8	13.2	11.2	8.8	8.3	
22.0			12.0	12.1	11.3	10.5	12.4	12.2	10.2	8.1	7.8	
24.0				10.2	9.7	9.5	10.6	11.1	9.4	7.7	7.3	
26.0				9.0	8.1	8.6	9.1	9.6	8.6	7.1	6.8	
28.0					6.8	7.5	7.9	8.3	8.0	6.7	6.4	
30.0					5.7	6.4	6.8	7.2	7.5	6.2	6.0	
32.0						5.5	6.0	6.3	6.6	5.8	5.6	
34.0						4.6	5.1	5.5	5.8	5.4	5.2	
36.0							4.5	4.8	5.1	4.8	4.8	
38.0								4.1	4.4	4.2	4.5	
40.0								3.6	3.9	3.7	4.2	
42.0									3.4	3.3	3.8	
44.0									2.9	2.9	3.3	
46.0										2.5	2.9	
48.0											2.6	
50.0											2.2	
52.0											1.9	



QY110K副臂起重性能表 Total rated lifting load for jib

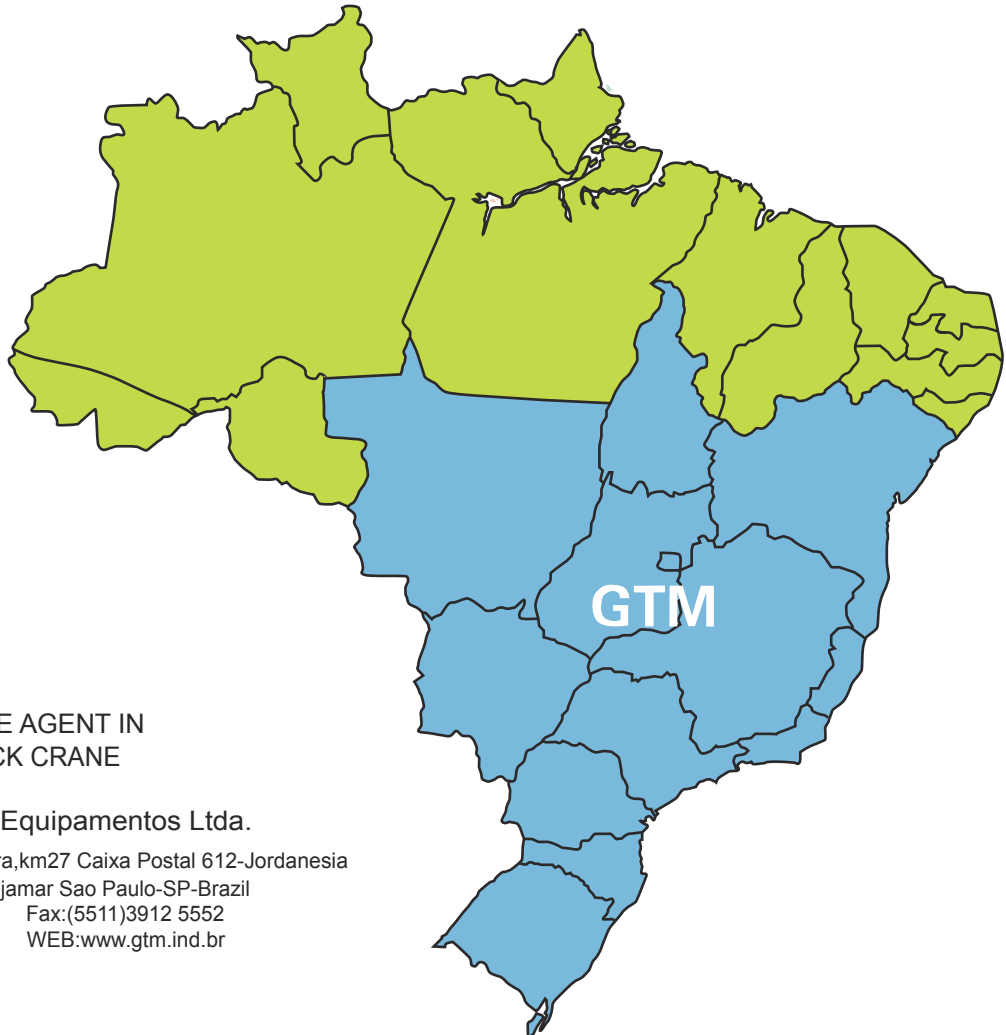
32吨配重 支腿全伸18.1m Full-extend outrigger with 32t counterweight 起重量 Liftingload(kg)

主臂长度 Boom length	主臂 50.2m 补偿角 offset angle(°)			主臂 54.4m 补偿角 offset angle(°)			主臂 58m 补偿角 offset angle(°)		
	0°	15°	30°	0°	15°	30°	0°	15°	30°
78	5.8	3.5	2.5	5.8	3.5	2.5	5.8	3.5	2.5
76	5.3	3.3	2.3	5.3	3.3	2.3	5.3	3.3	2.3
74	4.9	3.2	2.3	4.9	3.2	2.3	4.9	3.2	2.3
72	4.6	3.0	2.2	4.6	3.0	2.2	4.6	3.0	2.2
70	4.3	2.9	2.2	4.3	2.9	2.2	4.3	2.9	2.2
68	4.0	2.8	2.0	4.0	2.8	2.0	4.0	2.8	2.0
66	3.9	2.8	2.0	3.9	2.8	2.0	3.9	2.8	2.0
64	3.8	2.6	2.0	3.8	2.6	2.0	3.8	2.6	2.0
62	3.6	2.5	1.9	3.6	2.5	1.9	3.6	2.5	1.9
60	3.5	2.5	1.9	3.5	2.5	1.9	3.5	2.5	1.9
58	3.3	2.3	1.9	3.3	2.3	1.9	3.3	2.3	1.9
56	3.2	2.3	1.9	3.2	2.3	1.9	3.0	2.3	1.9
54	3.0	2.3	1.9	3.0	2.3	1.9	2.6	2.3	1.9
52	3.0	2.2	1.8	2.8	2.2	1.8	2.2	2.1	1.8
50	2.9	2.2	1.8	2.4	2.2	1.8	1.9	1.8	1.7
48	2.8	2.2	1.8	2.1	2.0	1.8	1.7	1.5	1.4
46	2.7	2.2	1.8	1.9	1.7	1.6	1.4	1.3	1.2
44	2.4	2.0	1.8	1.6	1.5	1.4	1.2	1.1	1.0
42	2.2	2.0	1.8	1.4	1.3	1.2	1.0		
40	2.0	1.8	1.8	1.2	1.1	1.1			
38	1.8	1.7	1.6	1.0					
36	1.6	1.5	1.5						
34	1.5	1.4	1.0						
32	1.3	1.2							
30	1.2	1.1							

QY110K多种臂长及配重组合, 多达60种作业工况, 满足用户的各种作业需求。更多详情, 请咨询当地代表处和经销商。
Various boom length and counterweight combinations in QY110K, more than 60 kinds of operating conditions, satisfying kinds of operating demands of customer. Please consult local representative office and dealers for more details.

施工范例 CASE





XCMG EXCLUSIVE AGENT IN
BRAZIL FOR TRUCK CRANE

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