

XCA350 全地面起重机
ALL TERRAIN CRANE

XCA350
全地面起重机

XCA350
ALL TERRAIN CRANE

科技智能 绿色节能 品质效能 超高性能

SCIENCE AND TECHNOLOGY INTELLIGENCE, GREEN ENERGY SAVING
QUALITY EFFICIENCY, ULTRA HIGH PERFORMANCE



地址：中国江苏徐州市铜山路165号
Add: No.165 Tongshan Road Xuzhou Jiangsu China
电话 (Tel)：0516-83462242 83462350
质量监督电话 (Quality Inquiry Tel)：0516-87888268
备件电话 (Spare Parts Tel)：0516-83461542
邮编 (Post Code)：221004

服务热线 Service Tel

400-110-9999
400-001-5678



本印刷品不属于合同。由于产品不断改进的需要，我们保留对产品型号、参数、配置进行变更的权利，恕不另行通知。图片仅供参考，具体产品以实物为准。图片中的产品可能并非标准配置，部分附件可能需要另行购置。办理按揭和上牌时请遵守当地法规。
This print shall not be taken as a contract. Due to continuous product improvement, we reserve the right to make modification on the product model, parameters and configuration without further notice. The pictures presented here are only for reference; take the real product as standard. The product shown in the picture may not be of standard configuration, and some parts may need further purchase. Obey local laws and regulations on license and driving.



Excellent performance guided **卓而不凡**

高效引领 by high efficiency

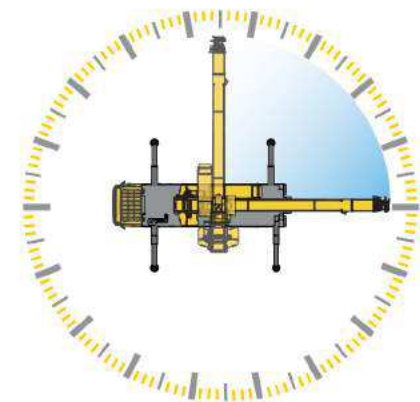
- 六节70m主臂，最大额定起重能力：350吨，最大起升高度：125m，
- Six-section boom of 70m and the max. rated lifting capacity is 350t; the max. lifting height is 125m,
- 最大工作幅度：90m，8m专用风电臂头，用于1.5MW-2.0MW风电维修
- The max. lifting radius is 90m; dedicated 8m wind power jib head is used for 1.5MW-2.0MW wind power maintenance
- 超起、平衡重等大型构件自拆卸技术，整机拆装更加便捷，拆装效率高于同类产品16%
- The self-disassembly technology of large parts such as super lifting device and counterweight can make the assembly and disassembly more convenient. The efficiency of assembly and disassembly is 16% higher than that of the products in the same class.
- 全桥转向，三驱/四驱自由转换
- All-axle steering and 3rd/4th axles can steer freely
- 起重智能臂架系统
- Intelligent crane boom technology
- 起重行驶智能控制系统
- Intelligent driving control system





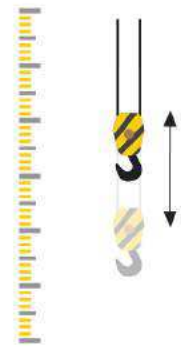
起重性能最强 Super hoisting performance

- 六节 70 米主臂，6-42m 无极变幅固定副臂，变幅副臂标配 12m-48m，选配 54m-78m，8m 风电检修臂，性能全面领先；
- 行业独有专用风电工况：主臂 70m+ 超起 + 风电臂 8m，工作幅度：18m，额定载重量 36.1 吨；1.5MW 风电检修，产品携带附件更少，安装方便效率更高，大幅度节省使用成本；
- 超起定长张紧技术，性能提升 5-8%；
- 超起卷扬排绳机构，有效保证钢丝绳顺畅有序；
- 整机优化匹配技术，吊臂、转台、车架承载能力进一步增强。
- Six-section boom of 70m, steplessly elevated fixed jib of 6-42m, the standard luffing jib of 12m-48m and the optional of 54m-78m; luffing jib of 8m specially for wind power maintenance is best in class.
- Industry-exclusive working condition for wind turbine maintenance: boom 70m+ super lifting device + luffing jib of 8m for wind power maintenance; the working radius is 18m; the rated lifting load is 36.1t; less product auxiliaries for 1.5MW wind power maintenance operation and more efficient and convenient assembly, contributing to much lower cost.
- Fixed-length tensioning technology of super lifting device brings 5-8% higher performance.
- Automatic rope ordering technology contributes to smooth and orderly wire rope;
- Optimized matching technology of whole crane improves the carrying capacity of boom, turntable and frame



回转最低稳定速度
0.1° /s

The min. stable slewing speed: 0.1° /s



起升最低稳定速度
(卷筒处)
2.5m/min

The min. stable lifting speed (drum):
2.5m/min

起吊精准安全 Accurate and safe hoisting

- 采用半闭式液压系统，配备大排量泵，重载起升速度高出同类产品 20%；
- 成熟的双变量机构精细调控策略，动作启停平稳，微动性好；
- 设备起升最低稳定速度(卷筒处) 2.5m/min，回转最低稳定速度 0.1° /s。
- Half-closed hydraulic system is adopted with large displacement pump, which contributes to 20% higher heavy load lifting speed;
- Mature dual-variable mechanism fine control strategy contributes to stable starting and stopping with improved inching control;
- The min. stable lifting speed (drum) is 2.5m/min and the min. stable slewing speed is 0.1° /s.

行驶转场高效安全 Safe and efficient site transfer on travel

- 长途转场移动：携带支腿，72 吨行驶；
- 86 吨短途重载转场：72 行驶状态 + 超起、备胎、备胎支架、支脚盘；
- 106 吨短途重载转场：72 吨行驶状态 + 超起、备胎、备胎支架、支脚盘、配重支座(20 吨)。
- Site transfer in long-distance: outrigger is available and travel under 72t;
- Site transfer of 86t heavy-load in short-distance : travel under 72t, superlift, spare tire, spare tire support and outrigger float;
- Site transfer of 106t heavy-load in short-distance : travel under 72t, superlift, spare tire, spare tire support, outrigger float and counterweight bearing (20t).



轴荷检测技术 Axle load inspection technology

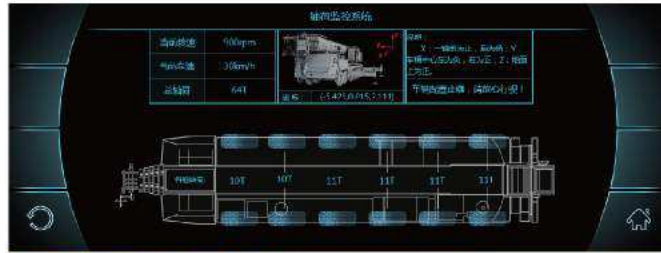
- 重载转场时,当轴荷达到极限值时即报警,实时监控整车行驶状态,提醒驾驶员控制车速,防止重载转场过程中车速过高可能引起的车辆倾翻现象,保证车辆的行驶安全;
- With heavy-load site transfer, alarm will be given to monitor the travel condition in real time and to remind the driver of controlling the speed in case the crane will tilt when the axle load reaches the maximum limit. It can also maintain the safety of crane.

多模式驱动技术 Multi-model driving technology

- 城镇道路模式、越野道路模式、高速公路模式、重载转场模式 4 种模式可供选择,行驶工况适应性更强;
- 三驱、四驱可切换,动力强劲,经济省油;
- Four models are available to strengthen the acceptability of different working conditions: urban road travel, cross country travel, highway travel and heavy-load site transfer.
- The 3rd axle and 4th axle can be changed with strong power and oil consumption.

重载专用机构及悬挂系统 The special mechanism for heavy-load and suspension system

- 优化转向机构布置及转向中心位置,匹配重载专用转向拉杆,避免恶劣路况车桥悬空导致机构损坏;
- 配置自润滑高强度悬挂油缸,单独悬挂承载由 25 吨提升至 30 吨;
- With optimized steering system arrangement of center position matching special heavy-load rod, the mechanism damage can be avoided caused by axles suspending in the air under severe road conditions.
- Self-lubricating and high strength suspension cylinders are equipped with independent suspension bearing improved from 25t to 30t.



综合制动管理平台技术 General braking and managing platform technology

- 缩短制动距离,提高制动系统寿命,公路行驶时,缩短紧急制动距离,有效避免交通事故的发生;长下坡行驶时,降低制动系统磨损,提高制动系统使用寿命;
- Braking distance can be reduced with elongation of life. Traveling on road, the emergency braking distance can be reduced to effectively avoid the traffic accident. Traveling on long and minus grade, the abrasion of braking system can be reduced with its elongation of life.



周到的人性化关怀 Considerate humanization care

- 徐工人机交互系统,科技感,集成化总线面板,驾驶操纵更舒适;
- 调频无线遥控装置,不仅配置了行业独有的彩色显示屏,而且可以实现所有吊装动作;
- 智能化水平行业领先,工况规划技术、卷扬随动控制技术、起重变幅补偿技术;
- 采用铝合金零部件,重量轻、防锈蚀;底盘新型防水控制面板、全封闭线束,可靠性提升。
- XCMG man-machine interactive system with dynamic feeling and integrated CANBus panel, contributing to more comfortable driving and manipulating experience;
- FM radio remote control device equipped with a unique colour display, not only offering many graphical and data representations, but also enabling all lifting movements;
- Leading intelligence level: automatic planning of working conditions, winch rope action control technology and automatic elevating compensation technology;
- Aluminum alloy parts: light weight and corrosion resistance; New water-proof chassis control panel and enclosed wire harness, providing improved reliability.



高效便捷的自拆装技术 Efficient and convenient self-assembly technology

- 140t 平衡重(20t 底座 + 120t 平衡块), 平衡块可实现无序搭配。
With 140t counterweight (20t counterweight base + 120t counterweight slabs) available, counterweight slabs can be assembled disorderly.

配重的安装 Assembly of counterweights

- 平衡重能够无序组装, 采用专用吊装工具远程无线遥控操作, 液压与机械锁止, 双重保护;
- Counterweight slabs can be assembled disorderly and locked hydraulically and mechanically, double protection is available. Wireless remote control operation can be performed with special slings.

1. 配重块吊装 Hoisting and assembly of counterweight slabs

设计有专用吊具, 大幅提升了吊装效率;

Special slings are used to greatly improve hoisting efficiency;

2. 配重块码放在车架上 Counterweight slabs are stacked up on the frame

配重块的外观更加平整, 一致性更好, 不需上下调整;

The counterweight slabs look more smooth and uniform, adjustment is not needed;

3. 铁链锁紧 Locking with iron chain

单根铁链穿过配重块中心, 比锁外侧更快捷;

Single iron chain is reeved through the center of counterweight slab, which is more convenient than locking from outside;

4. 配重支架穿轴安装在转台上 Counterweight bracket is installed on turntable

配重支架上下两组轴孔平行, 并在同一竖直面内, 易穿轴;

Shaft holes of two groups of counterweight bracket are parallel and in the same vertical plane, which is easy to be reeved;

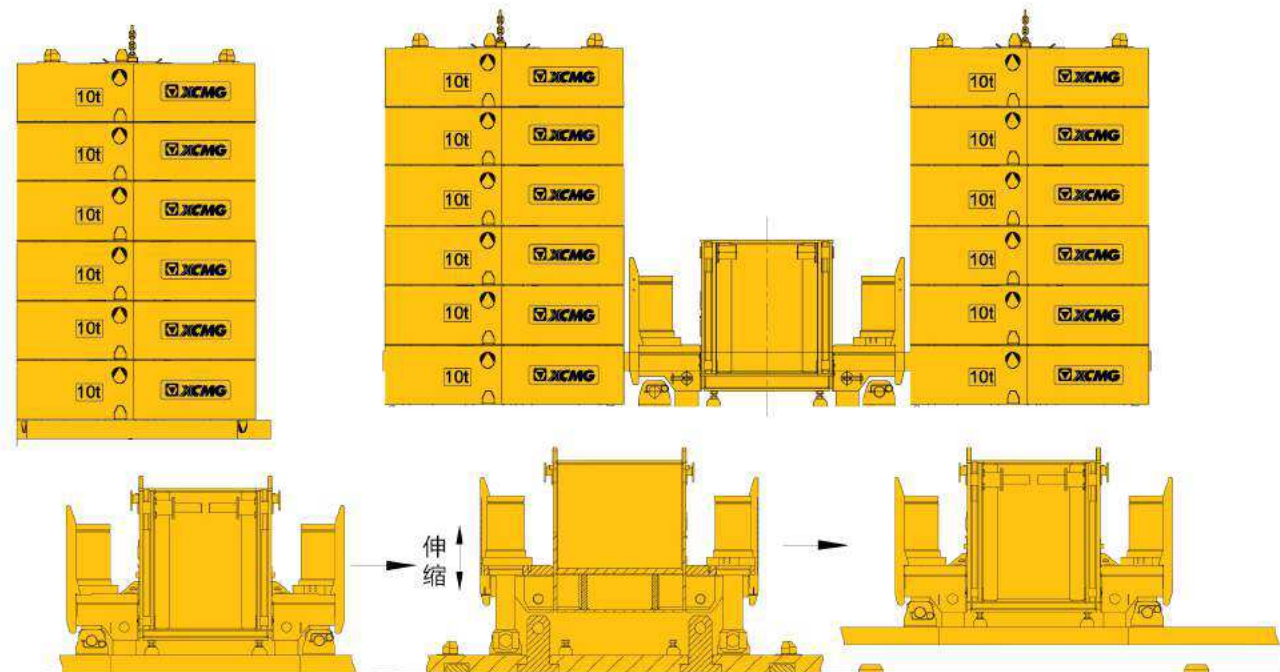
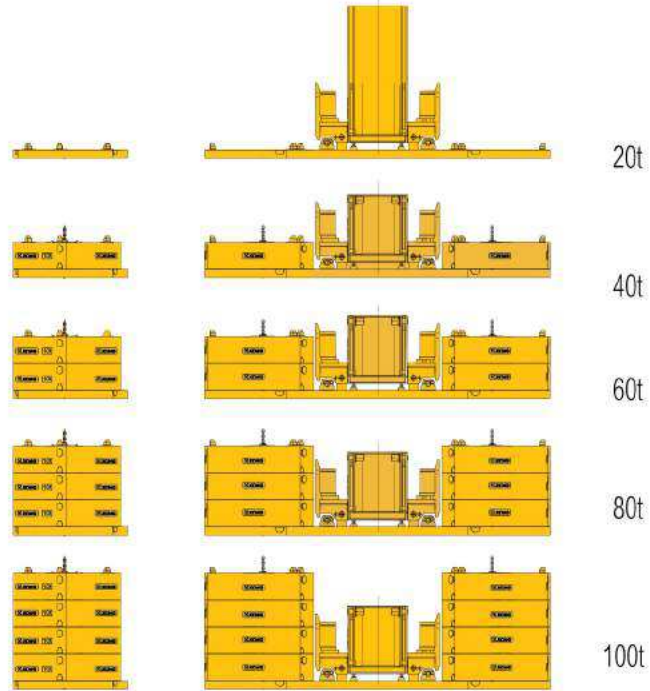
5. 配重底板与配重支架机械锁死提起配重块后, 机械锁死, 更安全;

After counterweight slabs are lifted, counterweight baseboard and bracket are locked mechanically, which brings safer operation.

超起安装 Assembly of superlift device

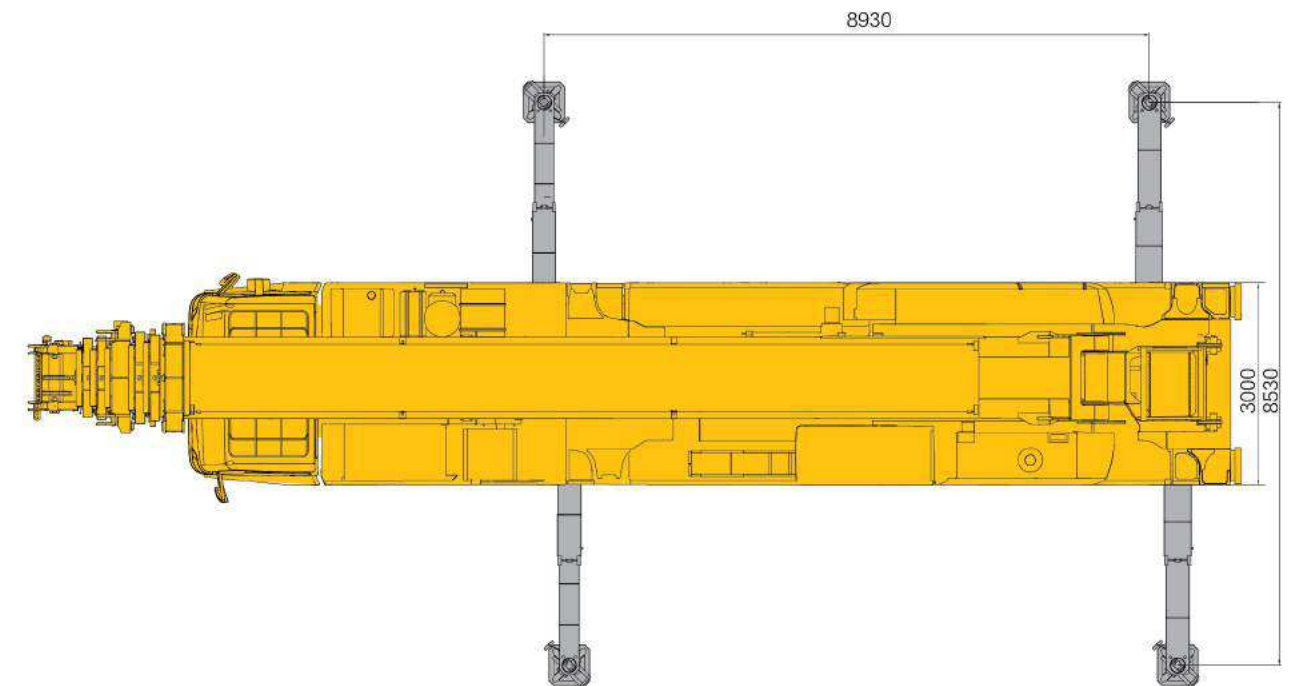
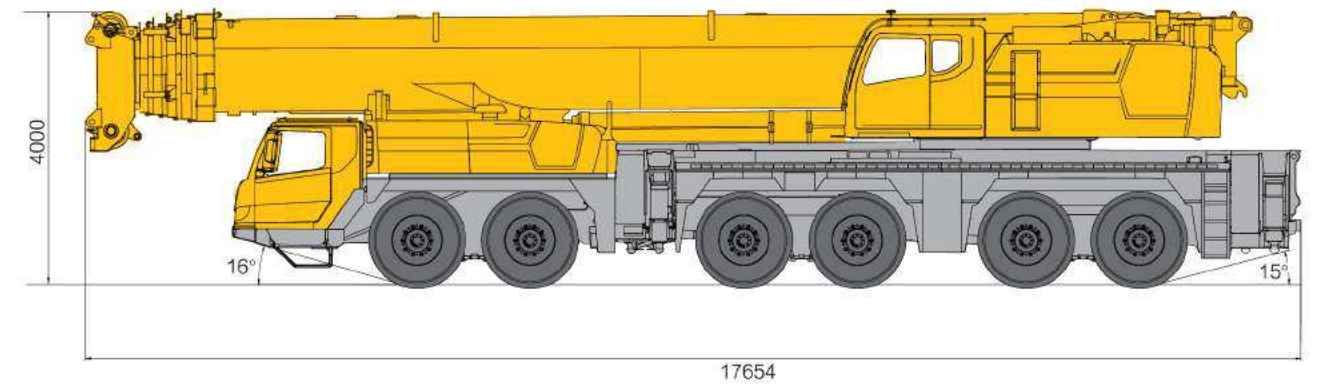
- 超起定长张紧技术实现超起一键张紧功能, 80s 完成张紧, 超起展收效率提升 30%;
- With fixed-length tensoning technology of superlift device, one-key tensoning function is realized in 80s so that folding and unfolding efficiency is improved by 30%;

- 超起安装流程: 超起安装到车架上 - 超起与主臂精准对孔 - 吊臂回缩, 将轴快速压入 - 液、电管路快速连接。
- Assembly procedure of superlift device: superlift device is assembled onto frame - superlift device is aligned with boom - boom retracts to quickly press in the shaft - hydraulic and electric pipelines are connected quickly.



全新外观, 高端品质 Brand new appearance, high quality

- 整机重量 55 吨, 布置紧凑, 行驶灵活;
- 新一代外观设计, 人机工程校核开发, 遵循国际标准设计, 时尚的驾驶室与操纵室新外观, 层次感与力量感完美结合;
- 全面的人体工程学分析, 人性化细节处理, 配置可旋转折叠登高梯、吊臂防滑坠装置、折叠式扶手、桁架臂套装等, 打造驾驶轻松、操纵舒适, 维护便捷的内在品质。
- Total weight of 55t, compact layout, better manoeuver ability;
- New generation appearance design and ergonomic design, complying with international standards; Fashionable appearance of driver's cab and operator's cab, delivering the feeling of perfect combination of streamlining and strength;
- With ergonomic analysis and personalized consideration of details integrated, such as rotatable and foldable ladder, fall arrest systems, foldable handrails and lattice jib inserts, etc. a quality product is created that is convenient to maintain, easy to drive and comfortable to operate.



技术参数 Technical Specifications

行驶状态主要技术参数表 Main Technical Data Table in Travel Configuration

类别 Category	项目 Item	单位 Unit	参数 Parameter	
重量 Weight	行驶状态总质量 Dead weight in travel configuration	kg	72000	
	轴荷 Axle load	1轴 1st axle	kg	12000
		2轴 2nd axle	kg	12000
		3轴 3rd axle	kg	12000
		4轴 4th axle	kg	12000
		5轴 5th axle	kg	12000
		6轴 6th axle	kg	12000
动力 Power	下车发动机型号 Chassis engine model	--	OM502LA.E3B/2	
	发动机额定功率 Engine rated power	kw/(r/min)	442.6/1800	
	发动机最大扭矩 Max. engine torque	N.m/(r/min)	2800/1300	
	上车发动机型号 Superstructure engine model	--	OM906LA.E3A/1	
	发动机额定功率 Engine rated power	kw/(r/min)	205/2200	
	发动机最大扭矩 Max. engine torque	N.m/(r/min)	1100/1200 ~ 1600	
行驶 Travel	最高行驶速度 Max. travel speed	km/h	80	
	最小转弯直径 Min. turning diameter	m	23	
	最小离地间隙 Min. ground clearance	mm	280	
	最大爬坡能力 Max. grade ability	%	57	

技术参数 Technical Specifications

起重机作业状态主要技术参数表 Main Technical Data Table for Lifting Operation

类别 Category	项目 Item	单位 Unit	参数 Parameter		
主要性能 Main performance	最大额定总起重量 Max. total rated lifting capacity	t	350		
	最大额定起重力矩 Max. rated load moment	KN.m	11500		
	最小额定工作幅度 Min. rated working radius	m	3		
	转台尾部回转半径 Turning radius at turntable tail	mm	3640		
	最大起重力矩 Max. load moment	基本臂 Base boom	kN.m	11500	
		最长主臂 Fully-extended boom	kN.m	8988	
		最长主臂+副臂 Fully-extended boom + Jib	kN.m	1656	
	起升高度 Hoist height	基本臂 Base boom	m	16.07	
		最长主臂 Fully-extended boom	m	70.36	
		最长主臂+副臂 Fully-extended boom + Jib	m	125	
	起重臂长度 Boom length	基本臂 Base boom	m	14.9	
		最长主臂 Fully-extended boom	m	70	
最长主臂+副臂 Fully-extended boom + Jib		m	130		
副臂安装角 Jib offset angle	°	0/20/40/60			
工作速度 Working speed	主臂起臂时间 Boom raising time	s	≤85		
	主臂全伸时间 Boom fully extending time	s	≤900		
	回转速度 Slewing speed	r/min	0 ~ 1.2		
	支腿伸缩时间 Outrigger extending and retracting time	水平支腿 Outrigger beam	单边同时伸 Extend simultaneously at one side	s	35
			单边同时缩 Retract simultaneously at one side	s	20
		垂直支腿 Outrigger jack	同时伸 Extend simultaneously	s	50
			同时缩 Retract simultaneously	s	45
起升速度 Hoisting speed	主起升机构 (单绳, 第5层) Main winch system (single line, 5th layer)	空载 No load	m/min	130	
	副起升机构 (单绳, 第2层) Auxiliary winch system (single line, 2nd layer)	空载 No load	m/min	-	

起重性能表 Rated lifting load tables

XCA350主臂+超起起重性能表-0t配重 (重量单位t, 臂长、幅度单位m) Rated lifting load tables for boom and superlift device - counterweight of 0t (Lifting load in t, boom length and radius in m)

全伸支腿,360° 回转,配重0吨(On fully-extended outriggers, 360° slewing, with counterweight of 0t)

R/L	20	25	30.1	30.1	30.1	30.1	35.2	35.2	35.2	40.2	40.2	40.2	45.3
3.5	107.3												
4	101.9	106.4											
4.5	96.7	104.7	65.0	114.3	113.7	113.2							
5	91.5	104.8	61.5	114.3	113.6	112.0							
6	81.0	89.6	54.5	108.0	107.0	108.0	102.2	103.0	102.4				
7	67.1	67.3	49.2	92.0	90.0	92.0	88.0	89.0	91.0	87.0	87.0	88.0	
8	53.0	48.1	45.0	75.1	71.6	74.5	72.1	75.6	77.9	75.0	76.0	77.0	74.0
9	39.2	35.4	37.8	56.2	52.8	55.6	53.2	56.7	59.1	56.5	57.2	59.5	57.2
10	29.2	25.6	29.6	43.7	40.5	43.1	40.9	44.1	46.3	44.0	44.6	46.8	44.6
12	16.8	14.6	18.8	28.2	25.4	27.7	25.8	28.6	30.6	28.6	29.1	31.1	29.1
14	9.4	8.6	13.0	19.1	16.4	18.6	16.8	19.5	21.4	19.4	20.0	21.8	20.0
16	3.8	4.8	9.2	13.0	10.3	12.6	10.8	13.4	15.2	13.4	13.9	15.6	14.0
18		2.3	6.7	8.4	5.8	7.9	6.3	8.9	10.7	8.9	9.4	11.2	9.4
20			4.5	5.0	2.4	4.5	2.9	5.5	7.3	5.5	6.0	7.7	6.0
22								2.8	4.6	2.7	3.1	4.7	3.4
24									2.2			2.9	
主臂组合 Boom consists	00001	00002	00012	00021	01110	00111	11110	01111	00112	11111	02111	01112	12111
塔身 Tower	11	10	8	10			9		8			7	



徐工 徐工 助您成功
XCMG FOR YOUR SUCCESS

全伸支腿,360° 回转,配重0吨(On fully-extended outriggers, 360° slewing, with counterweight of 0t)

R/L	45.3	45.3	50.4	50.4	50.4	55.5	55.5	55.5	60.5	60.5	65.6	70
8	75.0	74.0										
9	59.1	58.5	60.6	58.4	60.1							
10	46.3	45.8	47.8	45.7	47.3	48.5	47.0	48.9	48.5	46.6		
12	30.7	30.2	32.0	30.1	31.5	32.6	31.3	33.0	32.7	30.9	32.2	32.6
14	21.5	21.0	22.7	20.9	22.3	23.3	22.1	23.6	23.3	21.7	22.9	23.2
16	15.3	14.9	16.5	14.8	16.1	17.1	15.9	17.4	17.2	15.6	16.7	17.0
18	10.9	10.4	12.1	10.4	11.7	12.7	11.5	13.0	12.7	11.1	12.3	12.6
20	7.4	7.0	8.6	6.9	8.2	9.2	8.0	9.5	9.3	7.7	8.1	8.2
22	4.8	4.4	5.5	4.0	5.1	6.0	5.0	6.3	5.8	4.4	5.1	5.2
24	2.7	2.3	3.0	1.8	2.7	3.6	2.8	3.9	3.4	2.3	2.7	2.9
26						1.8		2.0	1.5			
主臂组合 Boom consists	11112	02211	11122	12211	02221	11222	12221	02222	12222	22221	22222	33333
塔身 Tower	7		6			5			4		3	