

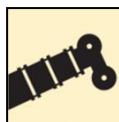
XCA60_EV全地面起重机 / All Terrain Crane

技术规格书

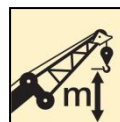
Technical specifications



60 t



48 m



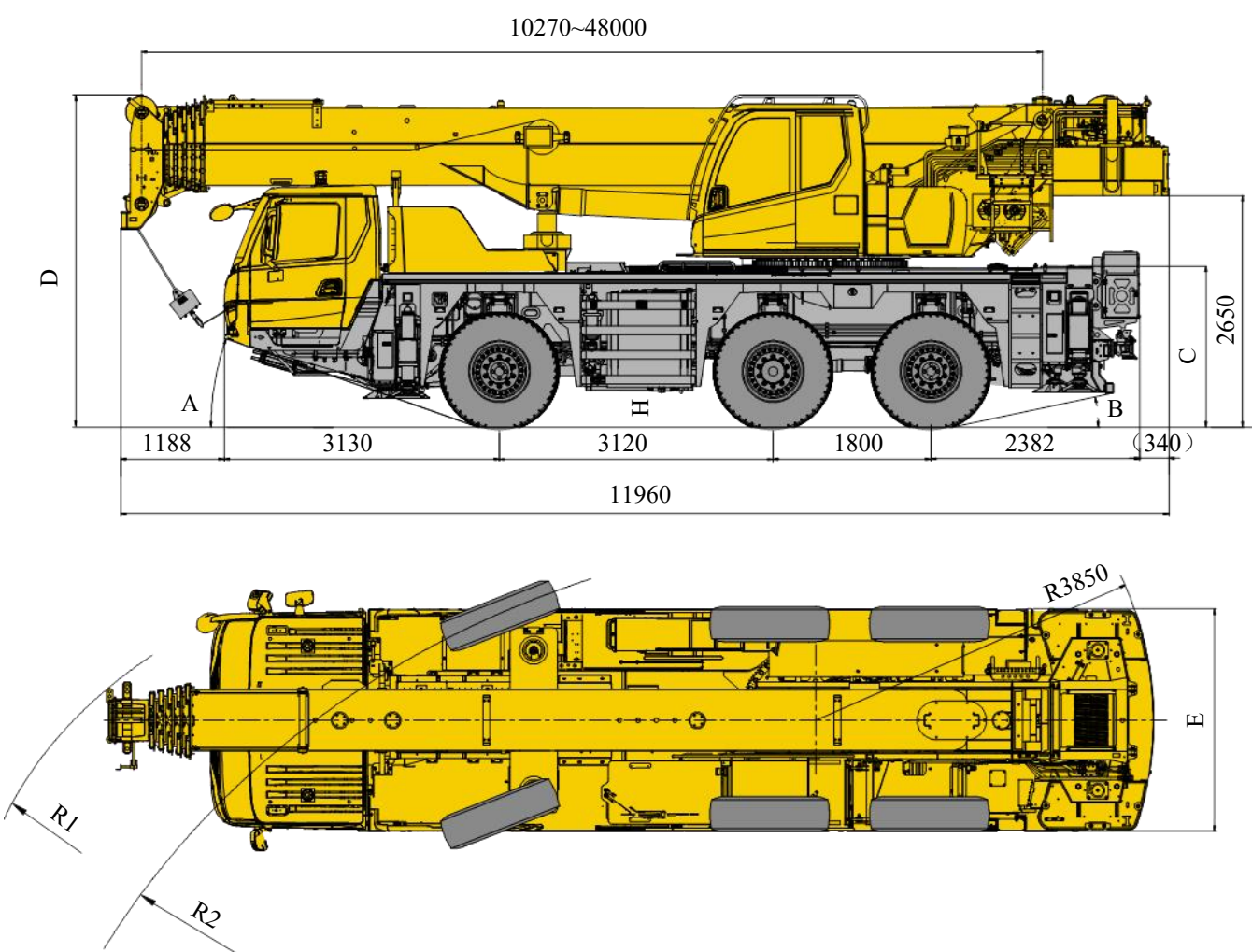
63 m



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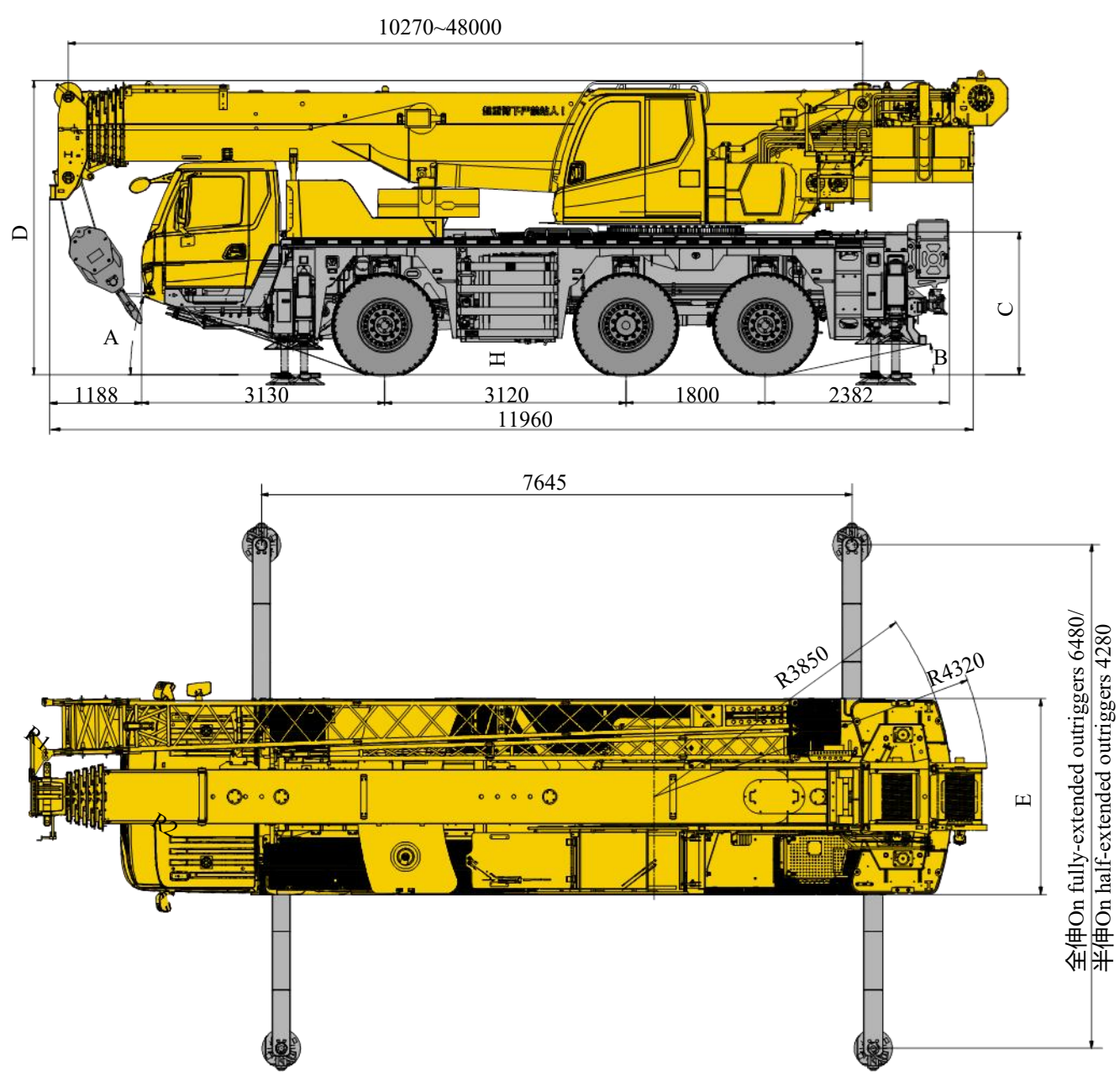
尺寸参数
Dimensions



R: 小转弯转向模式
All-wheel steering mode

	A (°)	B (°)	C (mm)	D (mm)	E (mm)	H (mm)	R1 (mm)	R2 (mm)
385/95 R 25 (14.00 R 25)	19	12	1810	3790	2550	330	9150	7000
445/95 R 25 (16.00 R 25)	20	13	1860	3840	2550	380	9950	8250

尺寸参数
Dimensions



	A (°)	B (°)	C (mm)	D (mm)	E (mm)	H (mm)
385/95 R 25 (14.00 R 25)	19	12	1810	3790	2550	330
445/95 R 25 (16.00 R 25)	20	13	1860	3840	2550	380

技术规格

Technical specifications

	底盘	配置
车架	徐工设计、制造，车架采用倒梯形截面车架结构，高强度钢材制造。	●
	H形支腿，水平支腿为单级伸缩，带推拉式支脚盘，两种伸缩作业位置（全伸、半伸），满足多种作业工况需求。支腿操纵面板CAN总线控制，位于底盘两侧。	●
支腿	最大起重量时支腿反力：28t/41t（前/后支腿）。	●
发动机	六缸、柴油、戴姆勒公司OM936LA，额定功率/转速：230kw/2200rpm，最大输出扭矩/转速：	●
	1300N.m/1200rpm，排放标准：EU Stage V/EPA Tier 4F，尿素箱容积：20L，燃油箱容积：260L。	●
电机	大功率电机，额定功率/转速：170kw/1600-2300rpm，最大输出扭矩/转速：1100N.m/800-1400rpm。	●
	一个交流充电枪，50m交流充电线。	●
变速箱	特百佳AMT自动挡变速箱，7个前进档，1个倒档。	●
车桥	高强度断开式独立悬挂车桥，1,3桥驱动：6×4×6。	●
	2桥选装驱动车桥：6×6×6。	○
悬挂	采用先进的独立悬架技术，左右轮胎相互独立运动，提升驾乘平顺性，悬架采用油缸减振+蓄能器缓冲，主减速器固定于车架，可随车架上下升降悬挂油缸行程为±110mm。	●

	底盘	配置
轮胎	轮胎规格：385/95 R25（14.00R25）。	●
	445/95 R25（16.00R25）。	○
转向	1轴为机械转向，2、3轴为电液比例转向。	●
制动	行车制动：双回路气压制动，作用于所有车轮。	●
	驻车制动：弹簧贮能制动，作用于所有车轮。	●
驾驶室	辅助制动：发动机缓速制动、电涡流缓速制动。	●
	新型钢结构豪华全宽驾驶室，采用悬浮式连接结构，后部装有减震器。配备LED 大灯、电动升降器的安全玻璃、多功能气悬浮座椅、电动、电加热后视镜、气动可调式转向管柱，多功能方向盘，大屏幕彩色液晶显示器、12寸中控屏等。新型组合式中控台布局安全合理，采用圆弧造型，体现人性化的设计，标配冷暖一体式空调。	●
电气系统	直流24伏特，2个12伏特电池组串联。	●
耦合装置	选装挂接18t拖车的耦合装置。	○
	选装挂接3.5t拖车的耦合装置。	○
驾驶室独立暖风	选装独立于发动机工作的驾驶室暖风系统。	○
发动机冷启动装置	选装发动机冷启动装置，辅助发动机低温下启动。	○

技术规格

Technical specifications

	上车	配置
结构	徐工设计、制造，高强度钢材制造。	●
	负载敏感柱塞泵和齿轮泵，用于主副	
液压系统	起升、变幅、伸缩、回转、辅助系统	●
	负荷敏感式比例多路换向阀；风冷式 液压油散热器。	
操纵方式	先导电比例操纵，采用分布式总线控制 技术，除常规控制功能外，还具有 系统实时监测、故障自动诊断、智能 臂架控制、功能自适应控制、单缸插 销控制起重机的全部动作。	●
	远程无线遥控装置。	●
主起升机构	液压马达驱动，内置式行星齿轮减速 机和常闭式制动器，专用防乱绳卷筒 抗缠绕钢丝绳。	●
	副起升机构	○
回转机构	液压马达驱动，内置式行星齿轮减速 机和常闭式制动器，可连续回转360°， 具有动力控制或自由回转的功能，可 无级调速。	●
	按人机工程学设计，安全宽敞舒适。 推拉式车门，可调式座椅，远程遥控 锁，电动伸缩长踏板，大面积透明安 全玻璃，前风窗可开启，全包覆注塑 内饰，装有顶部防护栏，配备电动前 窗刮、顶窗刮水器，独立洗涤喷水系 统，双LED阅读灯，电风扇，前、顶、 后、右、左窗遮阳帘，可调节扶手箱 上车操纵室可向后倾斜20°。 配置冷暖空调，多维度空调出风口。	●

	上车	配置
安全装置	液压平衡阀、液压溢流阀、液压双向锁、 力矩限制器、显示器、中心控制器、三 色报警灯、长度/角度传感器、油压传 感器、转台锁止销、三圈保护器，防止 钢丝绳过放；臂头设置高度限位装置， 防止钢丝绳过卷；风速仪，检测高空风 速；吊点监控装置，实时显示吊点周围 环境。	●
	当实际力矩接近过载时，发出听觉、视 觉警报，并在过载之前自动停止危险动 作。具有超载记忆功能（黑匣子）和故 障自诊断功能。	●
力矩限制器		●
组合配重	总重13.2t，有2.2t、2.8t、3.2t、3.5t、 3.8t、4.1t、4.5t、5.1t、6t、6.6t(两种)、 7.2t、7.3t、7.6t、7.9t、8.2t、8.8t、9.4t、 9.8t、10.4t(两种)、11t、12.6t和13.2t共 24种组合方式。	●
	吊钩	●
电气系统	35t， 5t。	●
	15t， 60t。	○
动力系统	直流24伏特，采用PLC可编程控制器， CAN总线控制网络，系统具有实时检 测和故障自诊断功能。	●
	额定容量：228Ah 额定能量：115kWh 额定电压：502.32V 充放电倍率：1C 配置欧标直流充电口。	●

技术规格

Technical specifications

	臂架系统	配置
主臂	6节，“U”形截面的筒形焊接结构。 单缸插销伸缩机构，有46%、92%和全伸模式可供选择。 主臂长度：10.3m~48m。	●
固定副臂	桁架式焊接结构，具有0°、15°、30°三种固定副臂安装角。 固定副臂长度：9.2m~16m。	○
独立臂头	长2.5米，安装在主臂顶端用于起重作业。	○

产品各部件明细如上所述，具体部件明细请参照产品报价单

符号说明：

● —— 表示标准配置；

○ —— 表示选装配置。

技术规格 Technical specifications

 Chassis	 Chassis
Frame Designed and manufactured by XCMG, made of high strength steel with inverted trapezium cross-section.	Tires Tire specifications: 385/95 R25 (14.00 R25)
Outriggers H-type outrigger, outrigger beam is one-stage telescoping with push-pull outrigger float and two telescoping working position (fully-extended and half-extended) to satisfy various operation mode requirements. Outrigger control panel is controlled by CAN bus located on the sides of chassis. Reaction force of outrigger at max. lifting load: 28 t/41 t (front/rear outriggers)	445/95 R25 (16.00 R25)
Engine Daimler AG OM936LA, 6 cylinders, diesel. Rated power/rpm: 230 kw/2200 rpm. Max. output torque/RPM: 1300 N.m/1200 rpm	Steering system Axle 1 mechanically steering and axles 2 and 3 electric-hydraulic proportional steering.
Emission standard: EU Stage V/EPA Tier 4F. AdBlue/DEF tank capacity: 20 L Fuel tank capacity: approx. 260 L.	Braking system Service brake: dual-circuit air pressure brake, acting on all wheels. Parking brake: spring-loaded brake, acting on the wheels of all axles. Auxiliary brake: engine retarder brake and electric eddy-current retarder brake.
Motor High power motor Rated power/RPM: 170 kw/1600-2300 rpm, Max. output torque/RPM: 1100 N.m/800-1400 rpm. AC charging gun, 50 m AC charging cable.	Driver's cab New full dimension steel structure cab, with suspension connecting structure, is equipped with shock absorbers at the rear of the cab. LED headlights, safety glass with electric lifter, multi-functional air suspension seats, electric heating rearview mirrors, pneumatic adjustable steering column, multi-functional steering wheel, large screen color LCD display, 12 inch central control screen, etc. New combined central control panel is reasonably arranged with arc shape adopted, presenting human-oriented design concept. Heater and air conditioner are standard.
Transmission Automatic transmission manufactured by Top Gear, 7-forward speed and 1-reverse speed.	Electrical system DC 24 V, with 2 sets of 12 V batteries in series.
Axles High strength divided axles with independent suspension. Axles 1 and 3 for driving: 6×4×6. Optional drive axle for the 2nd axle: 6×6×6.	Coupling device Optional for the trailer with the total weight of 18 t Optional for the trailer with the total weight of 3.5 t
Suspension With advanced independent suspension technology, the right and left tires can move independently to improve the drive smoothness. The suspension is equipped with effective damped cylinder and accumulator buffer; fixed on the frame, the main reducer can rise and fall with the frame to greatly improve the passing ability of vehicle. The stroke of suspension cylinder is ±110 mm.	Independent heating for driver's operation Heating system independent of engine
	Cold weather starting device This device is optional to assist the engine to start in the cold weather

技术规格

Technical specifications

	Superstructure	
Frame	Designed and manufactured by XCMG, made of high strength steel.	●
Hydraulic system	The load-sensing plunger pump and gear pump are used to control hoisting of main and auxiliary winches, luffing, telescoping, slewing and auxiliary system. Load-sensing proportional multi-way valve is equipped. Wind-cooled hydraulic radiator is also applied.	●
Operating method	Pilot electric proportional control is adopted with distributed Canbus control technology. Apart from the normal control functions, it also has the functions of real time monitoring, automatic fault diagnosis, intelligent boom control, function self-adaptability, single cylinder pinning control.	●
Main winch	Wireless remote control device. Driven by a hydraulic motor, with built-in planetary gear reducer and normally closed brake fitted. Also equipped with: anti-disorder rope winding drum; rotation-resistant wire rope.	●
Auxiliary winch	Driven by a hydraulic motor, with built-in planetary gear reducer and normally closed brake fitted. Also equipped with: anti-disorder rope winding drum; rotation-resistant wire rope.	○
Slewing system	A single-row, four-point contact-ball external toothed slewing bearing is driven by hydraulic motor, with built-in planetary gear reducer and constant-closed brake equipped, and may continuously slew 360°. Power control and free swing function as well as stepless speed regulation are available.	●
Operator's cab	Ergonomic design, safe, spacious and comfortable. Sliding door, adjustable seat, remote control lock, longer electric pull-out step, large area transparent safety glass, openable front windshield, high quality interior accessories, roof protective grilles, electric front and top window wipers, independent spraying system, dual LED reading lights, electric fan, sun screens for windshield and roof, rear, right and left windows, adjustable armrests. The operator's cab can tilt backward 20°. Heating & air conditioning are available, multi-dimensional AC outlets.	●

	Superstructure	
Safety devices	Hydraulic counterbalance valve, hydraulic relief valve, hydraulic two-way lock, LMI, display, central controller, tri colored light bar, length/angle sensor, oil pressure sensor and turntable lock pin. Lowering limiter for preventing wire rope from over-releasing. Anti-two block at boom head for preventing wire rope from over-winding. Anemometer for measuring the speed of the wind. The lifting point monitoring device displays the surrounding environment of the lifting point in real time.	●
LMI	When the actual load moment is approaching the overloading value, audible and visual warning will be sent out, and the dangerous operation will be automatically cut off before overloading occurs. Overloading memory function (black box) and fault self-diagnosis function are available.	●
Combined counterweight	Total weight is 13.2 t. 24 counterweight combinations of 2.2 t, 2.8 t, 3.2 t, 3.5 t, 3.8 t, 4.1 t, 4.5 t, 5.1 t, 6 t, 6.6 t (2 types), 7.2 t, 7.3 t, 7.6 t, 7.9 t, 8.2 t, 8.8 t, 9.4 t, 9.8 t, 10.4 t (2 types), 11 t, 12.6 t and 13.2 t are available.	●
Hook block	35 t, 5 t 15 t, 60 t	● ○
Electrical system	DC 24 V, PLC programmable controller, CAN bus control network; the control system has real-time detection and fault self-diagnosis functions.	●
Power battery	Rated capacity: 228 Ah Rated energy: 115 kWh Rated voltage: 502.32 V Charge-discharge rate: 1 C European standard DC charging port	●

技术规格

Technical specifications



Boom and jib system

Boom	6-section boom with U-shaped cross-section, welded structure. Single-cylinder pinning interlocked telescoping system. 46%, 92% and 100% telescoping patterns are available. Boom length: 10.3 m~48 m.	●
Fixed jib	Lattice jib, welded structure; three offset angles of 0° , 15° and 30° . Fixed jib length: 9.2 m~16 m	○
Independent jib head	2.5 m, fitted at boom head for lifting operation.	○

Product parts list is as mentioned above.
Please refer to the product quotation for specific parts.

Symbol explanation:

- ——it means the standard configuration;
- ——it means the optional configuration.

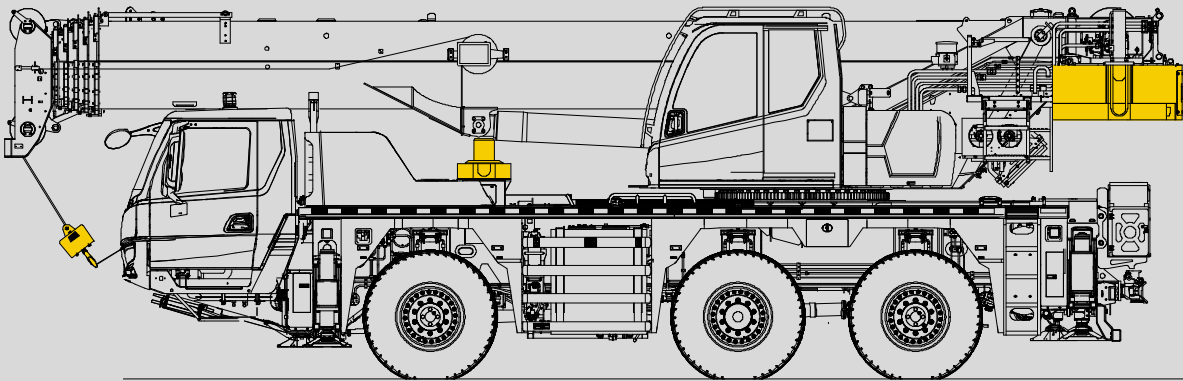
重量
Weight



车桥 Axle	1	2	3	总重量 Total weight
t	12	12	12	36 ¹⁾
t	11.8	11.8	11.8	35.4 ²⁾
t	15.7	15.4	15.5	46.6 ³⁾

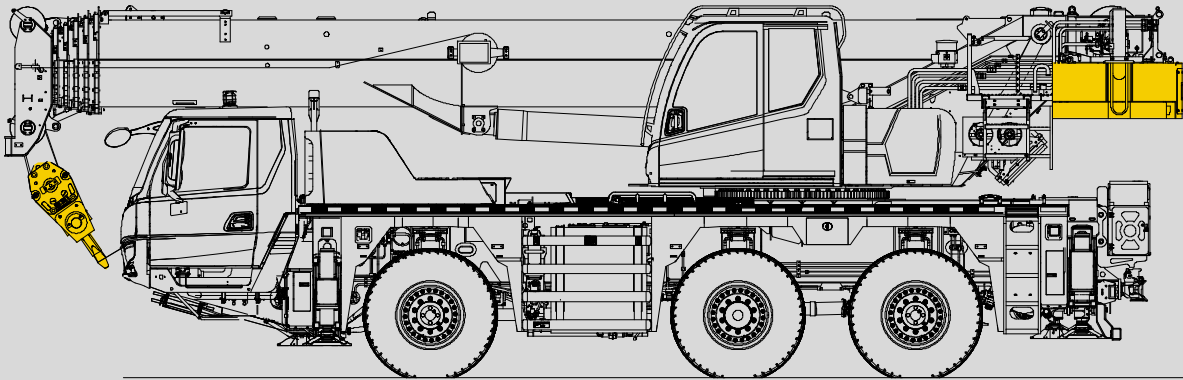
1) 上车不带副臂、副臂托架、臂端单滑轮、副起升机构，带4.5t平衡重、5t小钩；下车不带备胎、耦合装置，带随机枕木箱；驱动转向形式：6×4×6；轮胎规格：385/95R25；

For the superstructure, jib, jib bracket, auxiliary sheave (or called single top), and auxiliary winch are excluded. 4.5 t counterweight and 5 t hook block are carried on board. For the chassis, spare tire and coupling device are excluded. Timber box is carried on board. Drive/Steer: 6×4×6. Tire specifications: 385/95R25;



2) 上车不带副臂、副臂托架、臂端单滑轮、副起升机构，带3.2t平衡重、60t钩；下车不带备胎、耦合装置，带随机枕木箱；驱动转向形式：6×4×6；轮胎规格：445/95R25；

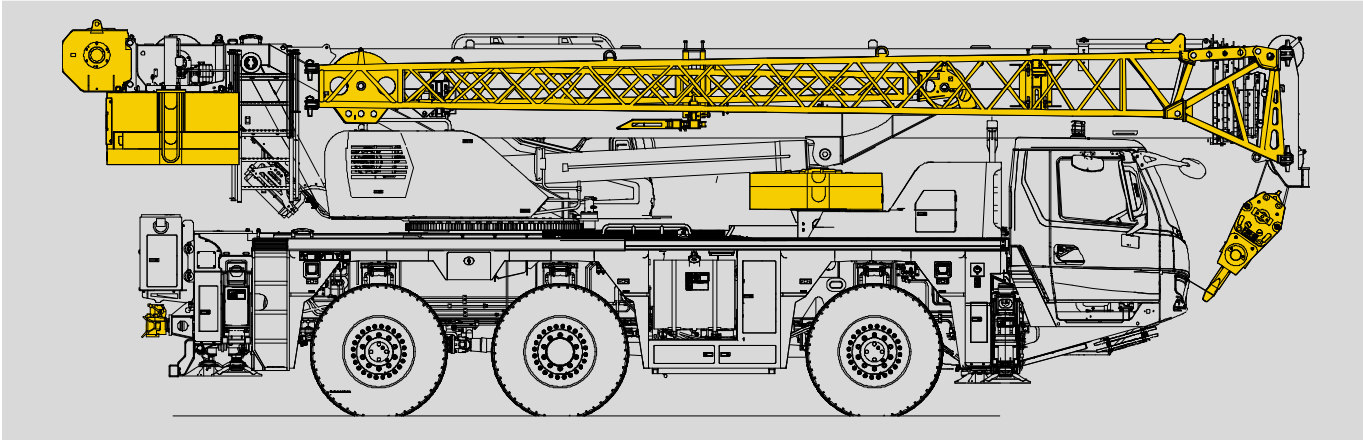
For the superstructure, jib, jib bracket, auxiliary sheave (or called single top), and auxiliary winch are excluded. 3.2 t counterweight and 60 t hook block are carried on board. For the chassis, spare tire and coupling device are excluded. Timber box is carried on board. Drive/Steer: 6×4×6. Tire specifications: 445/95R25.



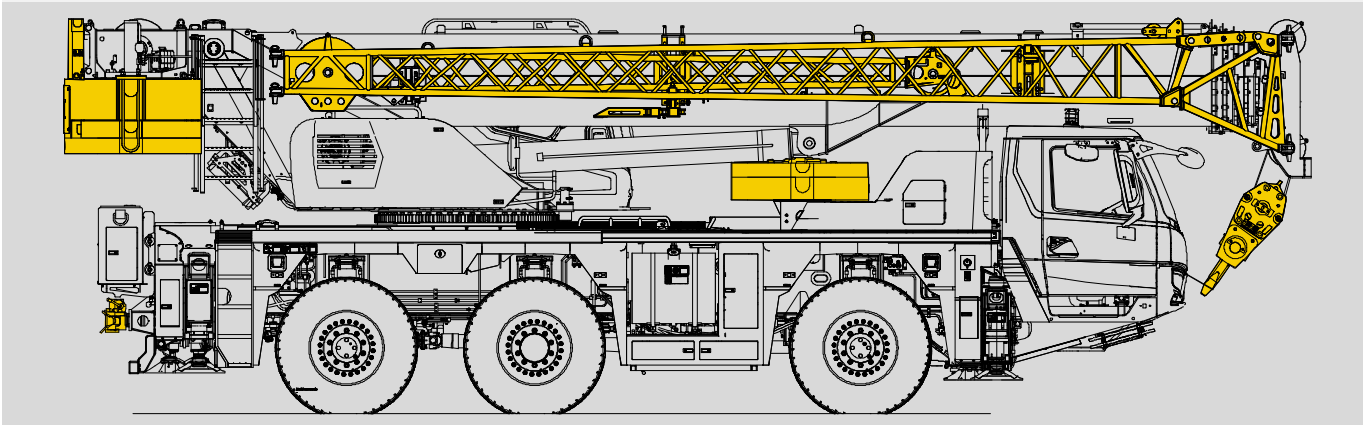
重量

Weight

- 3.1) 上车不带臂端单滑轮，带副臂、副起升机构、12.6t平衡重、60t钩、5t钩；下车不带备胎，带耦合装置（18t）、随机枕木箱；驱动转向形式：6×4×6；轮胎规格：385/95R25；
- For the superstructure, auxiliary sheave (or called single top) is excluded. Jib, auxiliary winch, 12.6 t counterweight, 60 t hook block, and 5 t hook block are carried on board. For the chassis, spare tire is excluded. Coupling device (18 t) and timber box are carried on board.
- Drive/Steer: 6×4×6. Tire specifications: 385/95R25.



- 3.2) 上车不带臂端单滑轮、副起升机构，带副臂、13.2t平衡重、60t钩、5t钩；下车不带备胎，带耦合装置（18t）、随机枕木箱；驱动转向形式：6×4×6；轮胎规格：385/95R25；
- For the superstructure, auxiliary sheave (or called single top) and auxiliary winch are excluded. Jib, 13.2 t counterweight, 60 t hook block, and 5 t hook block are carried on board. For the chassis, spare tire is excluded. Coupling device (18 t) and timber box are carried on board.
- Drive/Steer: 6×4×6. Tire specifications: 385/95R25.



吊钩 Hook	倍率 No. of lines	吊钩重量 Weight (kg)	吊钩尺寸 Dimensions (mm)	备注 Remarks
60 t	12	560	1330×440×570	双钩 Dual hook 选装 Optional
35 t	7	360	1200×450×430	双钩 Dual hook 单钩 Single hook
15 t	3	270	1080×440×250	选装 Optional
5 t	1	100	540×φ300	单钩 Single hook

作业速度
Working speeds



385/95 R25
(14.00 R25)



2~80

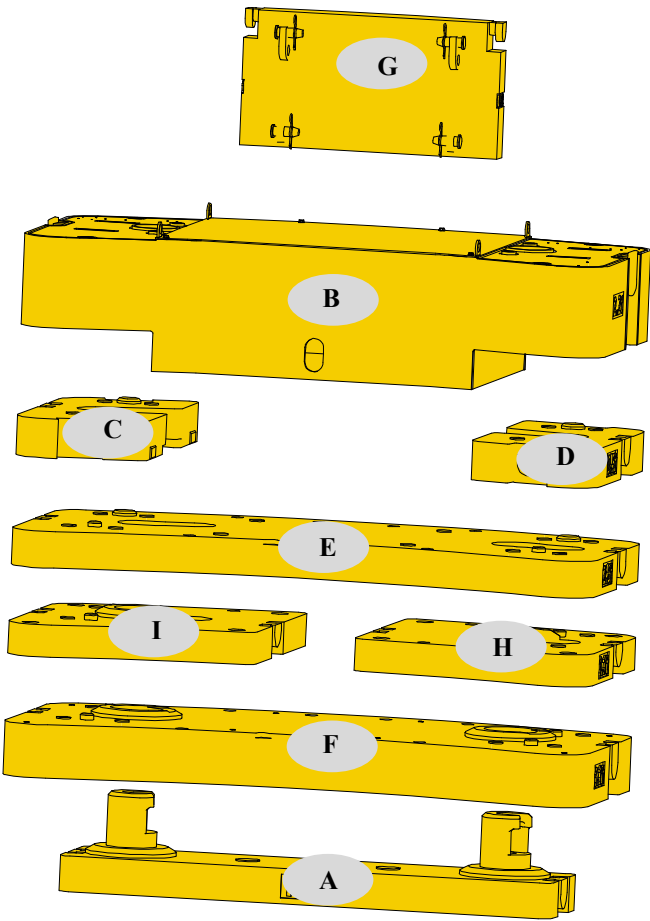


60%



作业机构 Drive	作业速度 Working speed	最大单绳拉力 Max. single line pull	钢丝绳直径/长度 Rope diameter/ length
	0-135 m/min, 单绳, 第4层, 空载 m/min, single line, 4th layer, no load	45 KN	16 mm/220 m
	0-135 m/min, 单绳, 第4层, 空载 m/min, single line, 4th layer, no load	45 KN	16 mm/170 m
	0-1.5 r/min		
	从-1°抬起至81°约38s Approx. 38 s for boom elevation from -1° to 81°		
	从10.3m伸出至48m约310s Approx. 310 s for boom extension from 10.3 m to 48 m		

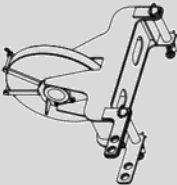
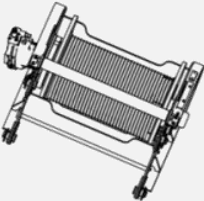
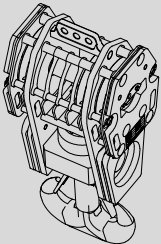
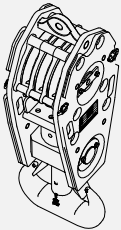
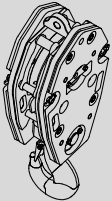
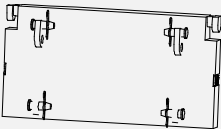
平衡重
Counterweight



平衡重 Counterweight												
	A	B	C/D		E	F	G	H/I				
尺寸 (长×宽×高) m Dimensions (L×W×H) (m)	2.11×0.54 ×0.52	2.5×1.313 ×0.56	1.25×0.56 ×0.184		2.5×1.313 ×0.174	2.5×1.313 ×0.259	1.1×0.57 ×0.247	1.04×1.313 ×0.17				
重量 t Weight (t)	1.3	2.2	0.5		2.8	3.1	0.6	1.1				
工况模式 Operation mode	13.2 t	12.6 t	11 t	10.4 t	10.4 t	9.8 t	9.4 t	8.8 t	8.2 t	7.9 t	7.6 t	7.3 t
组合形式 Combinations	B+C+ D+E+ A+F+ H+I+G	B+C+ D+E+ A+F+ H+I	B+C+ D+E+ A+F+ G	B+C+ D+A+ F+H+I +G	B+C+ D+E+ A+F	B+C+ D+A+ F+H+I	B+A+F +H+I+ G	B+A+F +H+I	B+C+ D+A+ F+G	B+C+ D+E+ A+G	B+C+ D+A+ F	B+C+ D+E+ A
工况模式 Operation mode	7.2 t	6.6 t	6.6 t	6 t	5.1 t	4.5 t	4.1 t	3.8 t	3.5 t	3.2 t	2.8 t	2.2 t
组合形式 Combinations	B+A+F +G	B+C+ D+E+ G	B+A+F	B+C+ D+E	B+C+ D+A+ G	B+C+ D+A	B+A+ G	B+C+ D+G	B+A	B+C+ D	B+G	B

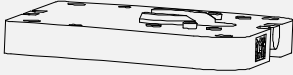
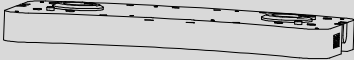
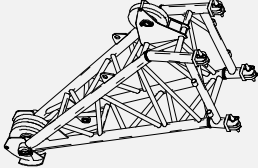
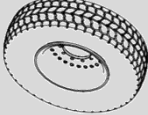
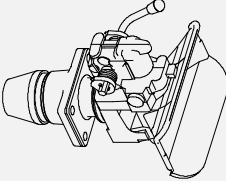
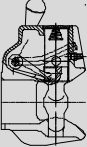
运输部件尺寸

Dimensions and weight of parts transported

名称 Name	图示 Figure	单重 (kg) Weight per unit (kg)	数量 Qty	尺寸 (mm) Dimensions (mm)
副臂及托架 Jib and its bracket		1200	1	9900×1100×1500
臂端单滑轮 Auxiliary sheave (single top)		50	1	655×565×385
副起升机构 (含钢丝绳) Auxiliary winch (wire rope included)		707	1	1130×730×720
60吨吊钩 60 t hook block		560	1	1330×440×570
35吨吊钩 35 t hook block		360	1	1200×450×430
15吨吊钩 15 t hook block		270	1	1080×440×250
平衡重G Counterweight slab G		600	1	1100×570×247

运输部件尺寸

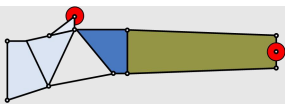
Dimensions and weight of parts transported

名称 Name	图示 Figure	单重 (kg) Weight per unit (kg)	数量 Qty	尺寸 (mm) Dimensions (mm)
平衡重E Counterweight slab E		2800	1	2500×1313×174
平衡重H Counterweight slab H		1100	1	1040×1313×170
平衡重I Counterweight slab I		1100	1	1040×1313×170
平衡重F Counterweight slab F		3100	1	2500×1313×259
独立臂头 Independent jib head		450	1	3200×850×1800
备胎 Spare tire		209	1	∅ 1360×390
耦合装置 (18t) Coupling device (18 t)		50	1	500×360×210
耦合装置 (3.5t) Coupling device (3.5 t)		5	1	130×155×240

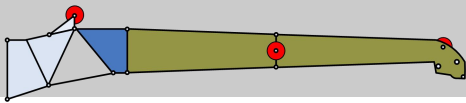
臂架组合方案

Boom / Jib combinations

副臂 – 9.2m
Jib – 9.2 m

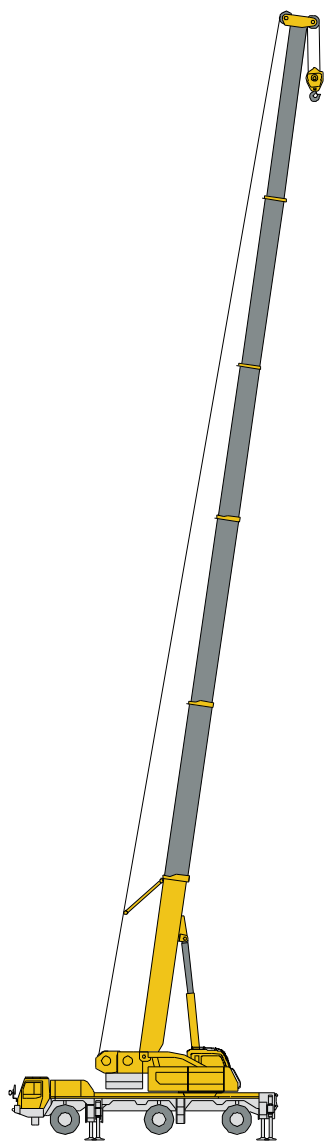


副臂 – 16m
Jib – 16 m



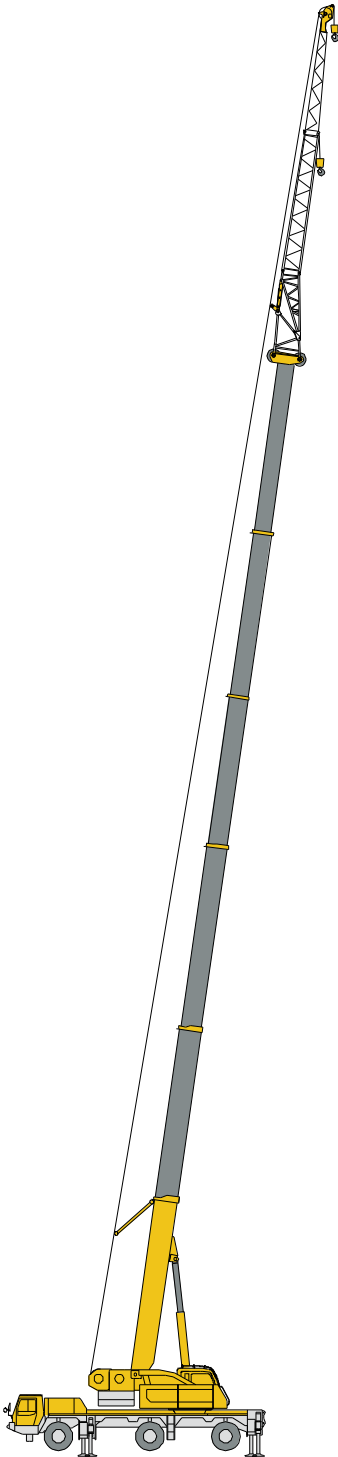
部件 Component	结构形式 Structure	尺寸 (长×宽×高) mm Dimensions (L×W×H) (mm)	重量 kg Weight (kg)
连接架 Connecting bracket		1100×650×1050	135.6
一节副臂总成 First jib section assembly		8760×650×580	485.4
二节副臂总成 Second jib section assembly		6300×250×360	240

臂架组合方案
Boom / Jib combinations



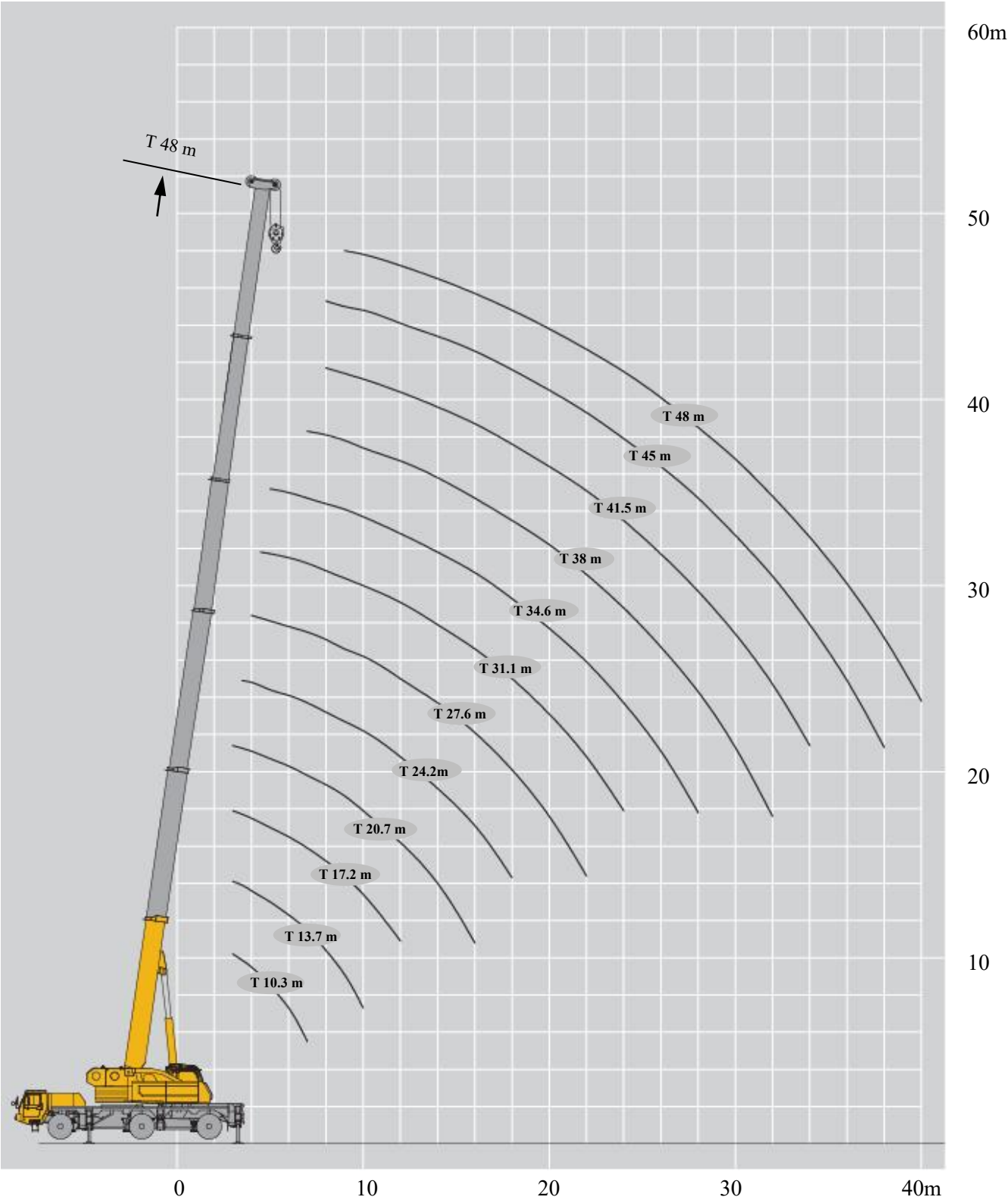
主臂
Telescopic boom

T: 10.3~48 m



副臂
Jib

T: 10.3~48 m
J: 9.2~16 m



起重性能表
Load charts

T 10.3~24.2m

10.3-24.2 m

T



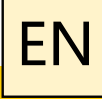
7.65m×6.5m



360°



13.2 t



EN

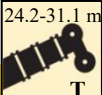
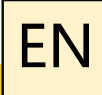
 m	10.3	13.7	13.7	13.7	13.7	13.7	17.2	17.2	17.2	17.2	 m
2.1	60*										2.1
3	42.5	29.0	42.5	42.5	42.5	42.0	21.2	31.0	30.0	42.0	3
3.5	42.0	27.6	42.2	42.4	42.1	41.4	19.6	29.0	28.0	41.0	3.5
4	41.2	26.5	39.5	39.4	39.5	39.4	18.9	27.0	26.0	37.5	4
4.5	38.1	25.0	37.3	36.8	36.4	36.4	17.6	26.4	24.0	35.0	4.5
5	35.1	24.0	34.9	34.7	34.3	34.2	16.6	24.6	22.0	33.7	5
6	29.0	22.0	29.8	30.7	30.3	30.2	14.6	21.5	20.0	30.1	6
7	25.0	20.0	25.6	27.5	27.2	26.8	13.1	19.3	18.9	26.9	7
8		19.0	23.2	23.0	22.7	22.3	11.9	18.0	17.2	23.5	8
9		18.0	19.8	19.5	19.1	18.7	12.3	17.5	16.9	20.2	9
10		16.9	16.6	16.3	16.0	15.6	11.3	16.8	15.6	17.0	10
12							9.9	13.1	12.8	12.7	12
14							8.6	10.3	10.0	9.9	14
组合 Code	00000	00001	00010	00100	01000	10000	00002	00011	00020	00110	组合 Code

 m	17.2	17.2	20.7	20.7	20.7	20.7	20.7	24.2	24.2	24.2	 m
3	42.0	42.0	18.0	27.0	35.0	30.8	35.0	15.0	20.0	30.0	3
3.5	41.3	40.8	16.5	25.0	34.0	29.0	35.0	14.0	18.8	28.0	3.5
4	38.1	37.8	15.8	24.0	31.0	26.8	35.0	13.1	17.0	26.6	4
4.5	35.6	35.4	14.6	22.8	29.0	25.0	32.9	12.0	16.5	25.0	4.5
5	33.4	33.1	13.6	21.0	27.0	23.8	31.5	11.2	15.6	23.5	5
6	29.8	29.3	12.0	19.0	24.5	21.2	28.0	10.8	14.7	21.5	6
7	25.0	25.1	11.0	17.6	22.0	19.0	25.6	9.6	13.4	19.0	7
8	22.0	21.5	10.4	15.6	20.0	17.0	22.9	9.7	12.0	18.0	8
9	19.6	19.0	9.4	14.5	18.1	15.8	19.3	8.9	11.0	16.5	9
10	16.5	15.9	9.7	13.6	16.9	15.0	16.3	8.1	10.5	15.0	10
12	12.2	11.7	8.4	12.8	12.7	12.1	12.1	7.0	9.7	13.1	12
14	9.4	8.9	7.3	10.4	10.0	9.4	9.3	6.1	8.5	10.4	14
16			6.5	8.5	8.0	7.5	7.4	5.4	7.5	8.4	16
18			5.8	7.0	6.5	6.0	5.9	4.9	6.9	6.9	18
20								4.5	6.2	5.8	20
组合 Code	01100	11000	00012	00111	01110	02100	11100	00022	00112	01111	组合 Code

备注：标注*的* 工况代表起重能力等级。
Notes: * Capacity class

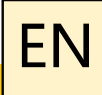
起重性能表
Load charts

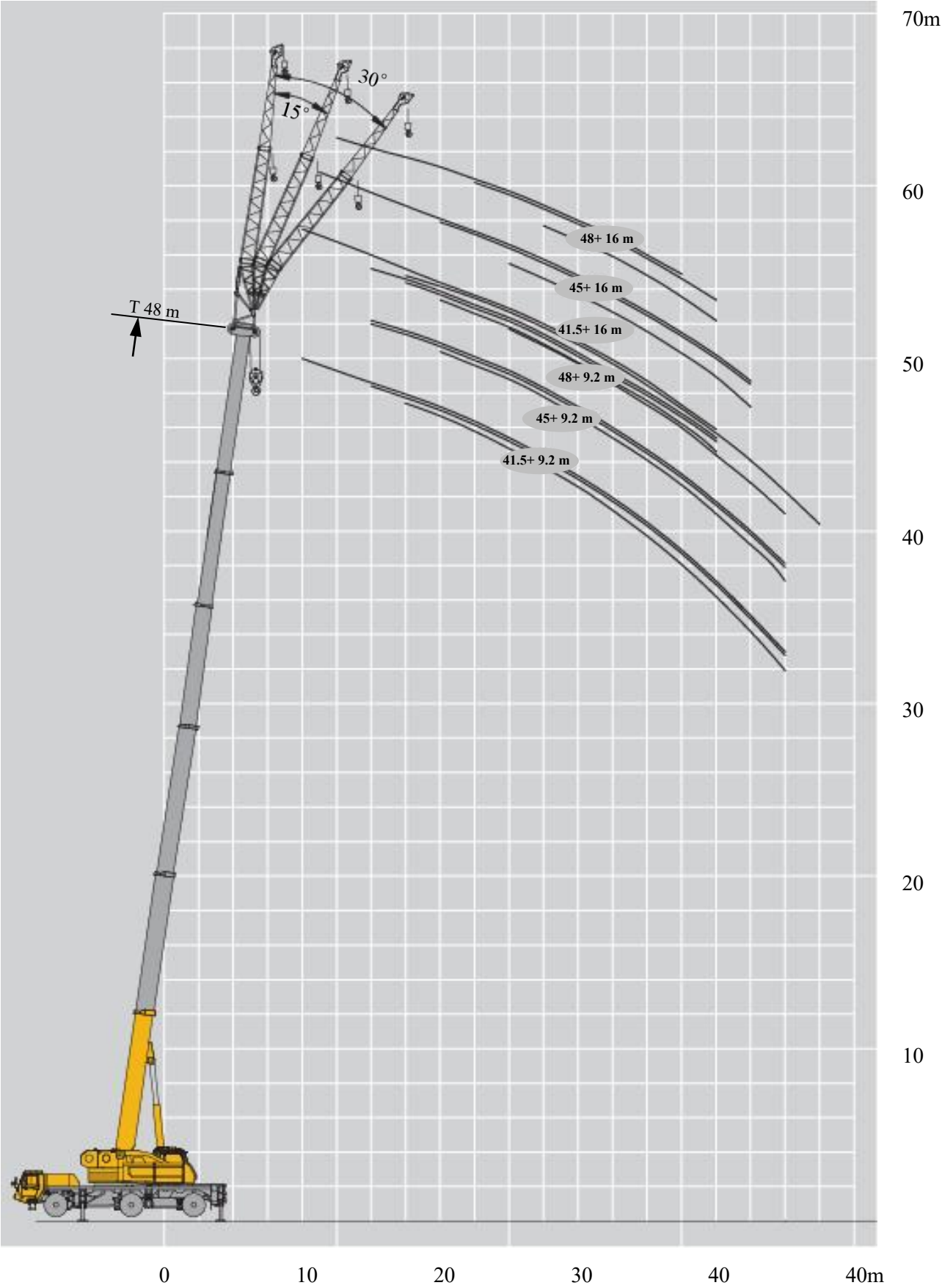
T 24.2~31.1m

m  T  7.65m×6.5m  360°  13.2 t  EN m											
	24.2	24.2	27.6	27.6	27.6	27.6	31.1	31.1	31.1	31.1	
3	31.0	27.0	17.8	21.6	26.0	23.5					3
3.5	30.8	26.8	16.8	21.0	26.0	23.2					3.5
4	30.6	26.0	15.8	20.5	26.0	23.0	14.8	16.0	21.0	21.8	4
4.5	29.0	24.0	14.8	19.6	25.6	22.8	14.0	15.8	21.0	21.6	4.5
5	27.6	22.6	13.9	18.8	25.5	22.6	13.3	15.0	20.6	21.4	5
6	25.0	20.0	12.5	17.6	24.0	21.0	11.8	14.0	19.4	20.0	6
7	22.0	18.4	11.2	16.3	21.5	18.7	10.5	13.1	17.4	18.7	7
8	20.0	16.6	10.2	14.8	20.2	17.7	9.7	11.8	15.9	17.7	8
9	18.0	15.0	9.4	13.6	18.7	16.0	8.8	10.8	14.3	15.9	9
10	16.7	14.0	8.6	12.7	17.1	14.6	8.1	10.0	13.3	14.3	10
12	12.4	12.1	7.4	11.1	12.8	12.2	7.0	8.8	11.4	11.8	12
14	9.7	9.4	6.5	9.8	10.1	9.5	6.2	7.7	9.9	9.8	14
16	7.8	7.5	5.8	8.7	8.2	7.6	5.5	6.8	8.1	7.9	16
18	6.3	6.0	5.2	7.3	6.8	6.2	4.9	6.2	6.7	6.5	18
20	5.2	4.9	4.8	6.2	5.7	5.1	4.5	5.7	5.6	5.4	20
22			4.4	5.2	4.7	4.1	4.0	5.2	4.7	4.5	22
24			4.0	4.5	4.0	3.4	3.7	4.7	4.0	3.8	24
26							3.4	4.0	3.4	3.1	26
28							3.2	3.5	2.9	2.6	28
组合 Code	00112	01111	11110	12100	00122	01112	11111	21111	11202	02112	组合 Code

起重性能表
Load charts

T 34.6~48m

34.6-48 m 7.65m×6.5m 360° 13.2 t EN											
 m	34.6	34.6	34.6	38	38	38	41.5	41.5	45	48	 m
4											4
4.5	13.1	15.0	15.5								4.5
5	12.6	15.0	15.5								5
6	12.4	14.9	15.5	12.2	12.5	12.9					6
7	11.4	14.7	15.4	11.8	12.3	12.9	9.6	10.3	8.2		7
8	10.7	13.8	14.8	11.0	11.9	12.6	9.6	10.3	8.2	6.8	8
9	9.8	12.8	14.0	10.8	10.9	12.0	9.6	10.3	8.2	6.8	9
10	9.0	11.5	13.3	9.9	10.3	11.5	9.2	9.8	8.2	6.8	10
12	7.9	10.0	11.0	8.7	8.8	10.3	8.0	8.7	7.8	6.9	12
14	7.0	8.5	9.2	7.6	7.7	8.6	6.9	8.0	6.9	6.5	14
16	6.2	7.5	7.6	6.7	6.7	7.5	6.2	7.2	6.3	5.7	16
18	5.5	6.6	6.5	6.1	6.0	6.4	5.5	6.1	5.9	5.4	18
20	5.0	5.7	5.4	5.5	5.4	5.4	5.0	5.4	5.0	4.9	20
22	4.6	4.8	4.5	5.1	4.9	4.6	4.6	4.6	4.4	4.2	22
24	4.2	4.1	3.8	4.5	4.2	3.9	4.2	4.0	4.1	3.8	24
26	3.8	3.5	3.1	3.9	3.6	3.3	3.8	3.4	3.6	3.5	26
28	3.5	2.9	2.6	3.4	3.1	2.8	3.3	2.9	3.1	3.1	28
30	3.1	2.5	2.2	2.9	2.7	2.3	2.9	2.5	2.7	2.7	30
32	2.7	2.1	1.8	2.5	2.3	1.9	2.5	2.1	2.3	2.3	32
34				2.2	2.0	1.6	2.2	1.8	2.0	2.0	34
36							1.9	1.5	1.7	1.7	36
38							1.6	1.2	1.4	1.4	38
40									1.2	1.2	40
42									1.0	1.0	42
44										0.8	44
组合 Code	01212	01122	00222	11112	21202	12112	12222	22221	22222	33333	组合 Code



起重性能表
Load charts

J 9.2m

m 10.3-38 m T 9.2 m F 7.65m×6.5m 360° 13.2 t EN m 										
10.3 m			34.6 m			38 m				
0°	15°	30°	0°	15°	30°	0°	15°	30°		
3	8.8								3	
3.5	8.6								3.5	
4	8.2	7.4							4	
4.5	8	7							4.5	
5	7.7	6.7							5	
6	7.2	6.2	5.2						6	
7	6.8	5.6	5	6					7	
8	6.5	5.2	4.8	6		5.8			8	
9	6	4.9	4.2	6	5.8	5.8			9	
10	5	4.6	3.8	6	5.7	5.8			10	
12	4.2	3.8	3	6	5.6	5	5.6	5.5	4.3	12
14	3.6	3.4	2.5	6	5.2	5	5.4	5.2	4.1	14
16				5.9	5	4.9	5.3	4.9	3.9	16
18				5.2	4.9	4.7	4.7	4.5	3.5	18
20				4.7	4.4	4.2	4.1	4.1	3.1	20
22				4.2	4	3.7	3.6	3.6	2.9	22
24				3.5	3.7	3.4	3.2	3.3	2.7	24
26				3	3.2	3	3	2.9	2.4	26
28				2.6	2.7	2.7	2.6	2.7	2.1	28
30				2.2	2.3	2.3	2.2	2.3	2.1	30
32				1.9	2	2	1.9	2	2	32
34				1.6	1.7		1.6	1.7	1.7	34
36				1.3	1.4		1.3	1.4		36
38							1.1	1.2		38
组合 Code	00000			22111			22211			组合 Code

m 41.5-48 m T 9.2 m F 7.65m×6.5m 360° 13.2 t EN m 										
41.5 m			45 m			48 m				
0°	15°	30°	0°	15°	30°	0°	15°	30°		
9	5.5								9	
10	5.5		4.2			3.7			10	
12	5.5	5.2	4.2	4		3.7	3.6		12	
14	5.5	5	4.2	4	3.2	3.7	3.6	3	14	
16	4.8	4.6	4	4	3.2	3.7	3.6	3	16	
18	4.2	4.1	3.5	3.9	3.7	3.7	3.4	2.7	18	
20	3.7	3.7	3.2	3.5	3.4	3.3	3	2.5	20	
22	3.3	3.3	2.7	3.1	3	2.9	2.8	2.4	22	
24	2.9	2.9	2.4	2.8	2.8	2.5	2.5	2.3	24	
26	2.7	2.7	2.3	2.5	2.5	2.4	2.3	2.2	26	
28	2.4	2.4	2.2	2.3	2.3	2	2.2	2.1	28	
30	2.2	2.2	2.1	2.1	2.1	1.9	1.9	2	30	
32	1.9	2	2.1	1.9	1.9	1.8	1.8	1.8	32	
34	1.6	1.7	1.8	1.7	1.8	1.7	1.6	1.6	34	
36	1.4	1.5	1.5	1.5	1.6				36	
组合 Code	22221			22222			33333			组合 Code

起重性能表
Load charts

J 16m

10.3-38 m T 16 m F 7.65m×6.5m 360° 13.2 t EN										
10.3 m 34.6 m 38 m										
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
3	4.3									3
3.5	4.3									3.5
4	4.3									4
4.5	4									4.5
5	3.9									5
6	3.7									6
7	3.6									7
8	3.4			4						8
9	3.2	3.2		4						9
10	3.1	3		3.8						10
12	2.8	2.6	2.4	3.7	3.1		3.4			12
14	2.6	2.5	2.3	3.5	3		3.2			14
16	2.3	2.2	2	3.4	2.9	2.4	3.2	2.8		16
18	2	2	1.8	3.3	2.8	2.4	3.1	2.6		18
20	1.7	1.8	1.6	3.2	2.7	2.3	2.8	2.6	2.3	20
22				3	2.6	2.3	2.7	2.5	2.2	22
24				2.9	2.5	2.2	2.4	2.4	2.1	24
26				2.7	2.4	2.2	2.1	2	2	26
28				2.5	2.4	2.1	2	1.9	1.9	28
30				2.3	2.3	2.1	1.9	1.9	1.7	30
32				2	2.1	2.1	1.6	1.5	1.5	32
34				1.7	1.9	1.9		1.3	1.3	34
36				1.4	1.6	1.7		1.1	1.1	36
38				1.2	1.3	1.4		1		38
40					1.1					40
组合 Code	00000			22111			22211			组合 Code

41.5-48 m T 16 m F 7.65m×6.5m 360° 13.2 t EN										
41.5 m 45 m 48 m										
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
12	3.2			2.8			2.5			12
14	3			2.8			2.5			14
16	2.8	2.6		2.8	2.4		2.5			16
18	2.8	2.5		2.5	2.3		2.5	2.2		18
20	2.6	2.5	2.2	2.4	2.2	2	2.4	2.1		20
22	2.4	2.4	2.2	2.2	2.2	2	2.2	2.1	2	22
24	2.3	2.3	2.1	1.9	2	1.9	2	1.7	1.7	24
26	2.1	1.9	1.9	1.8	1.7	1.7	1.9	1.5	1.4	26
28	1.8	1.8	1.8	1.6	1.5	1.5	1.8	1.4	1.3	28
30	1.5	1.5	1.5	1.5	1.4	1.4	1.5	1.4	1.1	30
32	1.4	1.4	1.3	1.4	1.3	1.3		1.4	1	32
34		1.2	1.2	1.3	1.3	1.1				34
36		1.2	1.1							36
38		1.2								38
40		1.1								40
组合 Code	22221			22222			33333			组合 Code

主要技术参数表

Table of main technical parameters

类别 Category	项目 Item		单位 Unit	参数 Parameter
尺寸参数 Dimensions	外形尺寸 (长×宽×高) Dimension (length×width×height)		mm	11960×2550×3790
	轴距 Wheel base		mm	3120+1800
	轮距 (前/后) Track (Front/ Rear)		mm	2150
	前悬/后悬 Front/ Rear overhang		mm	3130/2382
	前伸/后伸 Front/ Rear extension		mm	1188/340
重量参数 Weight	最大允许总质量 Max. permissible total weight		kg	36000
	轴荷 Axle load	一轴 1st axle	kg	12000
		二轴 2nd axle	kg	12000
		三轴 3rd axle	kg	12000
动力参数 Power	发动机型号 Engine model		——	OM936LA
	最大净功率/转速 Max. net power/rpm		kW/(r/min)	230/2200
	最大输出扭矩/转速 Max. output torque/rpm		N.m/(r/min)	1300/1200
	电机最大净功率/转速 Max. net power/RPM of motor		kW/(r/min)	170/1600-2300
	电机最大输出扭矩/转速 Max. output torque/RPM of motor		N.m/(r/min)	1100/800-1400
	最大充电功率 Max. charging power		AC (kW)	40
			DC (kW)	114
行驶参数 Travel	最高车速 Max. travel speed		km/h	80
	最低稳定车速 Min. stable travel speed		km/h	2
	最小转弯直径 Min. turning diameter		m	14 (小转弯All-wheel steering, 三桥转向Three-axle steering)
	最小离地间隙 Min. ground clearance		mm	330
	接近角 Approach angle		°	19
	离去角 Departure angle		°	12
	制动距离 (制动初速度为30km/h) Braking distance (at 30 km/h)		m	≤10
	最大爬坡能力 Max. grade ability		%	60
	百公里油耗 Fuel consumption per 100 km		L	35
噪音 Noise	驾驶员耳旁噪声 Noise level at seated position		dB(A)	≤90

主要技术参数表
Table of main technical parameters

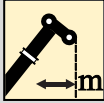
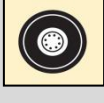
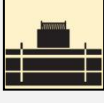
类别 Category	项目 Item		单位 Unit	参数 Parameter	
主要性能参数 Main performance	最大额定总起重量 Max. total rated lifting capacity		t	60	
	最小额定工作幅度 Min. rated working radius		m	2.1	
	转台尾部回转半径 Turning radius at turntable tail	平衡重处 Counterweight	mm	3850	
		副卷处 Auxiliary winch	mm	4320	
	最大起重力矩 Max. load moment	基本臂 Base boom	kN.m	1722	
		最长主臂 Fully-extended boom	kN.m	960	
		最长主臂+副臂 Fully-extended boom + Jib	kN.m	494	
	支腿跨距 Outrigger span	纵向 Longitudinal	m	7.65	
		横向 Lateral	m	6.5	
	起升高度 Hoist height	基本臂 Base boom	m	10.2	
		最长主臂 Fully-extended boom	m	48	
		最长主臂+副臂 Fully-extended boom + Jib	m	63	
	起重臂长度 Boom length	基本臂 Base boom	m	10.3	
		最长主臂 Fully-extended boom	m	48	
最长主臂+副臂 Fully-extended boom + Jib		m	64		
副臂安装角 Jib offset angle		°	0, 15, 30		
工作速度参数 Working speed	起重臂起臂时间 Boom raising time		s	≤38	
	起重臂全伸时间 Boom fully extended time		s	≤310	
	最大回转速度 Max. slewing speed		r/min	≥1.5	
	支腿收放时间Outrigger extending and retracting time	水平支腿 Outrigger beam	收 Retracting	s	≤20
			放 Extending	s	≤20
		垂直支腿 Outrigger jack	收 Retracting	s	≤60
			放 Extending	s	≤30
	起升速度（单绳,第四层, 空载） Hoisting speed (single line, 4th layer, no load)	主起升机构 Main winch		m/min	≥135
副起升机构 Auxiliary winch		m/min	≥135		
噪声 Noise	司机位置处 Noise level at seated position		dB (A)	≤80	
	机外辐射 Exterior noise level		dB (A)	≤107	

符号标识

Description of symbols

常规标识

General symbols

	支腿 Outriggers		车桥 Axles
	工作幅度 Working radius		行驶速度 Driving speed
	吊臂仰角 Boom angle		爬坡能力 Grade ability
	吊臂长度 Boom length		轮胎 Tires
	吊钩 Hook block		平衡重 Counterweight
	360°全回转 360° operation of the boom		上车 Superstructure
	卷扬 Winch		底盘 Chassis
	标准 Standard		

起重作业标识

Crane specific symbols

	主臂 Boom		副臂 Jib
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1. 表中额定总起重量值，是在平整的坚固地面上本起重机能够保证的最大总起重量，包括吊钩和吊具的重量，所以为了估算重物重量，必须减去上述的装置重量。
2. 表中的工作幅度为起吊重物离地时起重物到起重机回转轴线的水平距离，是包括起重臂变形量在内的实际值，因而起吊前应考虑起重臂变形量。
3. 只允许在5级(风速14.1m/s，风压125N/m²)风以下进行作业。
4. 吊重前操作者必须对物体的重量和工作范围了解后选择合适的作业工况，严禁超出表中的数值。幅度及臂长在相邻两个数值之间时，应依据两个数值中较小值确定起重作业。
5. 应按主臂仰角范围作业，即使是空载，也不应使主臂仰角处于范围外，谨防整机倾翻。
6. 表中的主臂长度应要按照每节臂的伸缩要求进行伸出。

1. The total rated loads given in the rated load charts are the maximum lifting capacity when the crane is set up on firm and level ground, which includes the weight of the hook block and slings. The weight of above-mentioned devices should be deducted to correctly calculate the load weight.
2. The working radius shown in the rated load charts is the radius when the load is lifted off the ground, and it is the actual value including loaded boom deflection.
3. A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed is 14.1/s, wind pressure is 125N/m²).
4. Before beginning lifting operation, the operator shall know the weight of the load to be lifted and its working range, and then select proper operation modes. Never operate the crane beyond the limit shown in the chart. Use the lower value from the chart when the boom length or working radius is between the range of values.
5. Observe the boom angle limit. Never operate the crane with the boom angle beyond the recommended limit even if a load is not being carried. Otherwise, the crane will tip.
6. The boom length given in the rated load charts should accord with the telescoping code of boom sections .



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