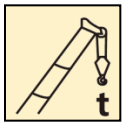
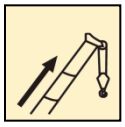
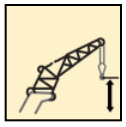
XCT80L6_1 汽车起重机 / Truck Crane

技术规格书
Basic technical specification



80t

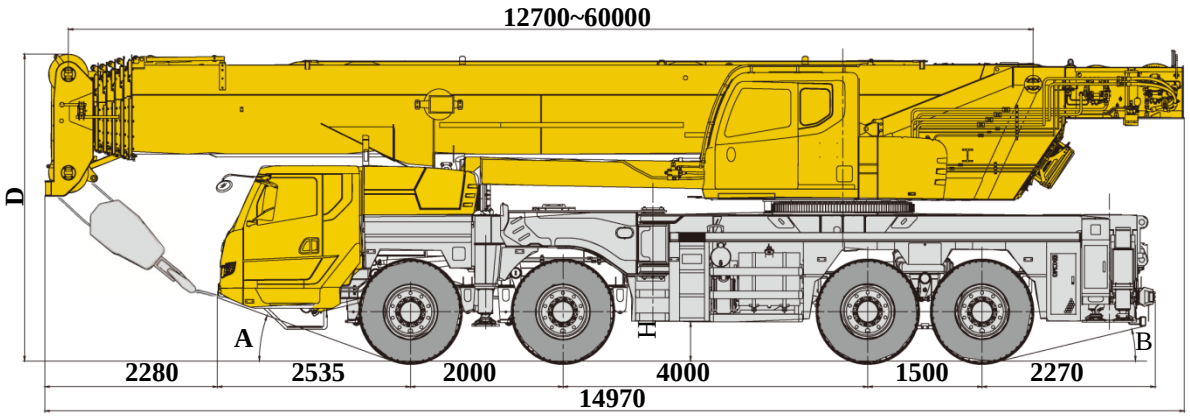

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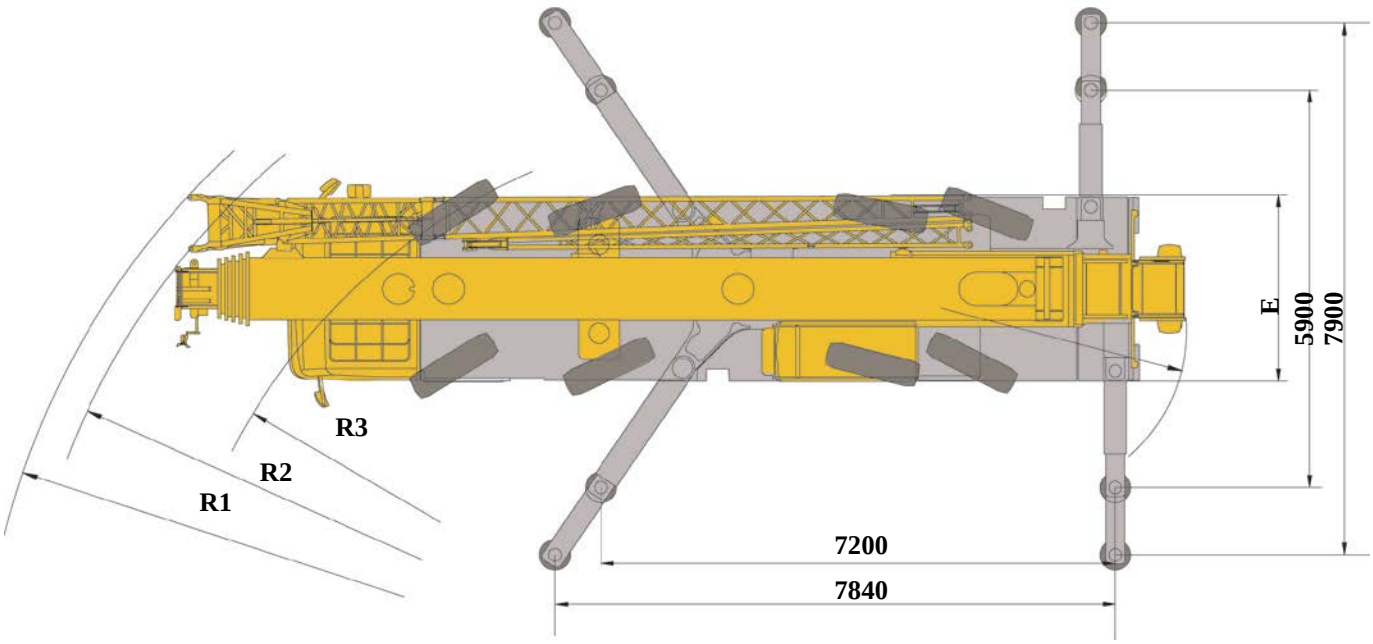

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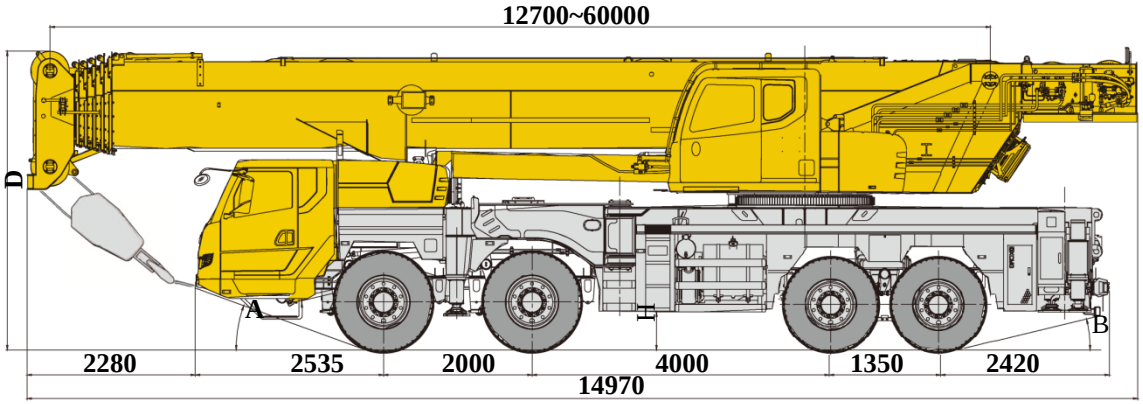
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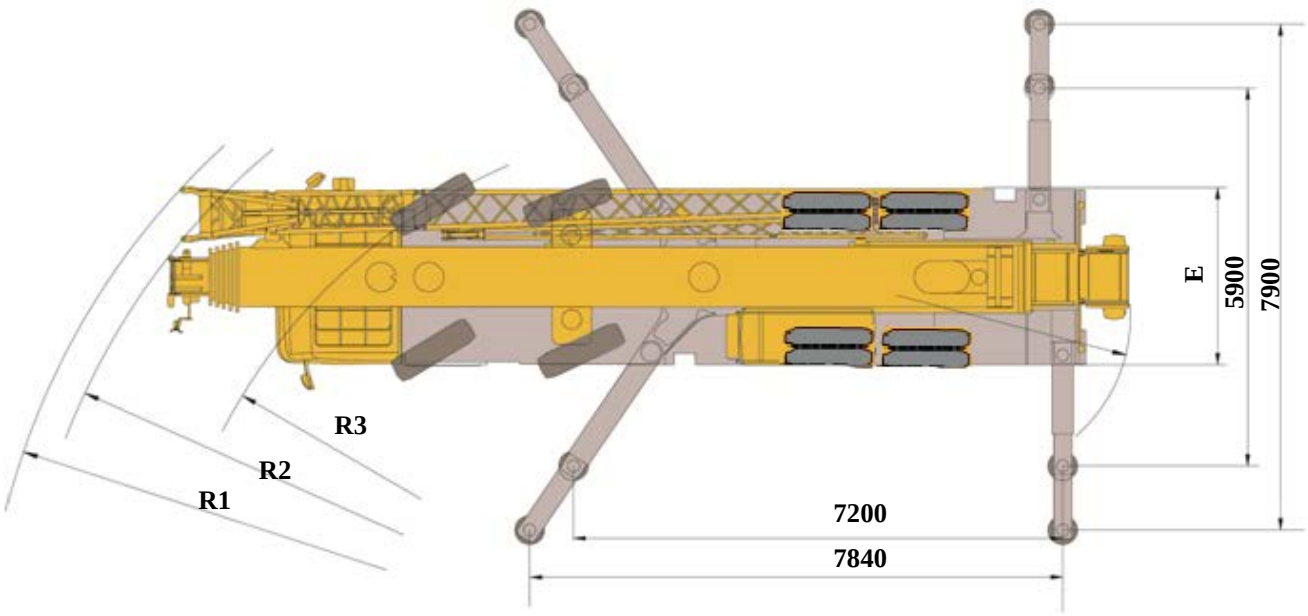
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385/95 R 25	20°	14°	3990	2800	12500	11500	10000	367





	A	B	D	E	R1	R2	R3	H
385/95 R25 12.00R24	20°	13°	3990	2800	14700	13600	12000	303

技术规格
Technical specifications

 底盘	全桥转向 配置
车架	徐工设计、制造，全覆盖式走台板，防扭转箱型结构，高强度钢材制造。 ●
支腿	4支腿，前双节摆腿后水平支腿结构，水平伸缩和垂直伸缩由液压控制，底盘两侧装有电控操纵控制台，控制台板装有水平仪、照明灯和调速按钮，支腿油缸均设有单向阀，且垂直支腿带有双向液压锁。 支脚盘尺寸：360mm×450mm 最大起重量时支腿反力：700kN ●
发动机	MC11.40-50（MC11.40-60），直列六缸水冷电控柴油发动机，重汽曼制造，额定功率297kW/1900rpm，最大扭矩1900Nm/1000-1400rpm，国五（国六）排放标准。 燃油箱容积：320L。 ●
变速箱	陕齿机械式变速箱，10个前进档，2个倒档，带同步器。 ●
车桥	名牌厂家高强度车桥，1,2桥转向，3,4桥转向驱动。 ●
悬挂	前悬架采用板簧悬架，后悬架采用双纵臂板簧平衡悬架。 ●
轮胎	8个轮胎，1个备胎，每桥均装单胎，双钱/泰凯英制造。 轮胎规格：385/95R25 ●
制动	行车制动：双回路气压制动，作用于所有车轮。 驻车制动：弹簧储能制动，作用于2,3,4轴车轮。 辅助制动：发动机排气制动和缓速制动。 ●
转向	全桥转向，1、2桥机械转向+液压助力，3/4桥缸控随动转向，可适应多种工况的要求，实现多种转向模式。 ●
驾驶室	新型复合结构驾驶室，全封闭、装备豪华舒适。性能上：优越的密封性和防腐蚀、防震设计；配置大视野的前挡风安全玻璃、后视镜，电控洗涤器，电子门窗升降器，带有除霜风挡的室内空气加热器，收放音机、丝网地垫等。副驾双座椅，可展开为简易卧铺。2公斤灭火器；标配冷暖空调。 ●
电气系统	直流24伏特，串联12伏特的电池组2个。 发电机 ，28伏特-80安培。 ●

技术规格
Technical specifications

 底盘	前桥转向	配置
车架	徐工设计、制造，全覆盖式走台板，防扭转箱型结构，高强度钢材制造。	●
支腿	4支腿，前双节摆腿后水平支腿结构，水平伸缩和垂直伸缩由液压控制，底盘两侧装有电控操纵控制台，控制台板装有水平仪、照明灯和调速按钮，支腿油缸均设有单向阀，且垂直支腿带有双向液压锁。 支脚盘尺寸：360mm×450mm 最大起重量时支腿反力：700kN	●
发动机	MC11.40-50（MC11.40-60），直列六缸水冷电控柴油发动机，重汽曼制造，额定功率297kW/1900rpm，最大扭矩1900Nm/1000-1400rpm，国五（国六）排放标准。 燃油箱容积：320L。	●
变速箱	陕齿机械式变速箱，10个前进档，2个倒档，带同步器。	●
车桥	名牌厂家高强度车桥，1,2桥转向，3,4桥驱动。	●
悬挂	前悬架采用板簧悬架，后悬架采用橡胶悬架。	●
轮胎	12个轮胎，1个备胎，1、2桥均装单胎，3、4桥均装双胎。轮胎规格：385/95R25（前桥）；12.00R24（后桥）	●
制动	行车制动：双回路气压制动，作用于所有车轮。 驻车制动：弹簧储能制动，作用于2,3,4轴车轮。 辅助制动：发动机排气制动和缓速制动。	●
转向	双前桥转向，1、2桥机械转向+液压助力。	●
驾驶室	新型复合结构驾驶室，全封闭、装备豪华舒适。性能上：优越的密封性和防腐蚀、防震设计；配置大视野的前挡风安全玻璃、后视镜，电控洗涤器，电子门窗升降器，带有除霜风挡的室内空气加热器，收放音机、丝网地垫等。副驾双座椅，可展开为简易卧铺。2公斤灭火器；标配冷暖空调。	●
电气系统	直流24伏特，串联12伏特的电池组2个。 发电机 ，28伏特-80安培。	●

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。	●
液压系统	电比例变量泵用于起升、变幅、伸缩；回转采用闭式泵驱动；比例电磁换向控制阀；风冷式液压油散热器；液压油箱有效容积：627L	●
操纵方式	电比例操纵，无级调速，由左右2个操纵手柄控制起重机的主要动作。	●
主起升机构	液压控制调速，由液压马达通过行星齿轮减速器驱动，内置常闭式制动器并带有平衡阀，装有绳槽卷筒。	●
副起升机构	液压控制调速，由液压马达通过行星齿轮减速器驱动，内置常闭式制动器并带有平衡阀，装有绳槽卷筒。	●
回转机构	单排四点接触球外齿式回转支承，由液压马达通过行星齿轮减速器驱动，内置常闭式制动器，可连续回转360°，具有动力控制或自由滑转的功能，可无级调速。	●
变幅机构	单变幅油缸，带有负载补偿功能的变幅平衡阀，变幅下落采用平衡阀外控式重力+动力下降方式。	●
操纵室	钢制操纵室，无视野死角的前景窗，安全玻璃，推拉式车门，可调式电加热功能座椅，可翻仰20°，装有前窗顶窗遮阳帘、顶窗双层遮阳帘，后窗遮阳帘；雨刮器、顶部防护栏、推拉踏板，配备力矩限制器、人机交互系统控制面板、电控扶手箱、发动机动力加速踏板、发动机起动开关等。标配冷暖空调、2kg灭火器。	●
安全装置	液压平衡阀；液压溢流阀；液压双向锁；力矩限制器；三圈保护器；起升高度限位器；风速仪；卷扬监视装置	●
组合配重	总重24.6t，有24.6t、15t、10t、8t、2t、0t共6种组合方式。	●
起重钩	80t钩	●
	55t钩	●
	7t钩	●

臂架系统		配置
主臂	6节，“U”形截面的筒形焊接结构，单板式臂头、紧凑式臂尾。单缸插销伸缩机构 主臂长度：12.7m～60m。	●
副臂	由连接架、旋转架和两节桁架结构折叠式副臂组成，具有0°、15°、30°三种安装角，收存于主臂旁。 副臂长度：10.5m、17.5m	●
臂端单滑轮	单滑轮，安装在主臂顶端，用于单股钢丝绳起重作业，起重性能与主臂相同，但最大起重量不超过6.5t。	●
主臂加长节	两节桁架式焊接结构，与主臂臂头固定安装 主臂加长节长度：7m	○

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	All-wheel steering	Configuration
Frame	Designed and manufactured by XCMG, it is made of high strength steel with fully covered walking surface and anti-torsion box-typed structure.	●
Outrigger	Four outriggers; front two-stage outrigger beams are swung, and rear outrigger beams are extended. Outrigger beams and jacks are hydraulically controlled. There is an outrigger control station located at each side of the chassis, and there is a level gauge, an illuminator and speed buttons on each control station. There is a check valve fitted in each outrigger cylinder, and a double-way hydraulic valve fitted in each jack cylinder. Float dimension: 360mm×450mm Reaction force of outrigger at max. lifting load: 700kN	●
Engine	MC11.40-50(MC11.40-60), in-line, 6-cylinder, water cooled, electric control diesel engine, made by SINOTRUK MAN, with rated power of 297kW/1900rpm and max. torque of 1900Nm/1000-1400rpm, compliant to China V (China VI)emission standard. Fuel tank capacity: 320 L.	●
Gearbox	Mechanical transmission 10JSD180TB, made by Shaanxi Fast Gear Co., Ltd., manual flexible shaft control, 10-forward speed and 2-reverse speed with a synchronizer.	●
Alxes	Four-axle chassis, axles 1 and 2 are high strength load-bearing axles for steering, axles 3 and 4 are steering and driving, made by famous makers through adoption of foreign advanced technology	●
Suspension	Leaf springs are adopted for front suspensions; dual longitudinal arm leaf spring balanced suspensions are adopted for rear suspensions.	●
Tires	8tires and 1 spare tire, each axle is equipped with single tire, manufactured by BRIDGESTONE, large bearing capacity. Tire specifications:385/95R25	●

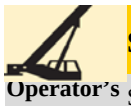
 Chassis	All-wheel steering	Configuration
Brakes	Service brake: double-circuit air pressure brake acting on all wheels. Parking brake: air-release brake, acting on wheels of axles 2, 3, 4. Auxiliary brake: engine exhaust brake, engine retarder brake	●
Steering	All-wheel steering, axles 1 and 2 are mechanically steered + hydraulic power assistance; axles 3 and 4 are steered through cylinder control. It is suitable for various demands of working conditions and several steering modes can be realized.	●
Driver's cab	New enclosed cab, luxury and comfort. It is designed to be leakproof, anti-corrosive and shockproof. It is equipped with a windshield offering outstanding visibility, electrical adjustable rear mirrors, electric control washer, electronic lifters of doors and windows, air heater with defrosting function, heater & air conditioner, radio player and new material mat, etc. A double-seat designed for the co-driver may be used as a berth for rest. A fire extinguisher of 2 kg is available. Heater and air conditioner are standard.	●
Electrical system	24V DC, two sets of 12 V battery in series. Generator: 28 V-80 A	●

技术规格
Technical specifications

 Chassis	Two-wheel steering	Configuration
Frame	Designed and manufactured by XCMG, it is made of high strength steel with fully covered walking surface and anti-torsion box-typed structure.	●
Outrigger	Four outriggers; front two-stage outrigger beams are swung, and rear outrigger beams are extended. Outrigger beams and jacks are hydraulically controlled. There is an outrigger control station located at each side of the chassis, and there is a level gauge, an illuminator and speed buttons on each control station. There is a check valve fitted in each outrigger cylinder, and a double-way hydraulic valve fitted in each jack cylinder. Float dimension: 360mm×450mm Reaction force of outrigger at max. lifting load: 700kN	●
Engine	MC11.40-50(MC11.40-60), in-line, 6-cylinder, water cooled, electric control diesel engine, made by SINOTRUK MAN, with rated power of 297kW/1900rpm and max. torque of 1900Nm/1000-1400rpm, compliant to China V (China VI)emission standard. Fuel tank capacity: 320 L.	●
Gearbox	Mechanical transmission 10JSD180TB, made by Shaanxi Fast Gear Co., Ltd., manual flexible shaft control, 10-forward speed and 2-reverse speed with a synchronizer.	●
Alxes	Four-axle chassis, axles 1 and 2 are high strength load-bearing axles for steering, axles 3 and 4 are steering and driving, made by famous makers through adoption of foreign advanced technology	●
Suspension	Leaf springs are adopted for front suspensions; and rubber suspension is used as rear suspension.	●
Tires	12 tires and 1 spare tire, 1st and 2nd axles are equipped with single tire, 3rd and 4th axles are equipped with double-tire. Tire specifications:385/95R25（front axle）；12.00R24（rear axle）	●

 Chassis	Two-wheel steering	Configuration
Brakes	Service brake: double-circuit air pressure brake acting on all wheels. Parking brake: air-release brake, acting on wheels of axles 2, 3, 4. Auxiliary brake: engine exhaust brake, engine retarder brake	●
Steering	Mechanical steering mechanism with a hydraulic booster for 1st and 2nd axles.	●
Driver's cab	New enclosed cab, luxury and comfort. It is designed to be leakproof, anti-corrosive and shockproof. It is equipped with a windshield offering outstanding visibility, electrical adjustable rear mirrors, electric control washer, electronic lifters of doors and windows, air heater with defrosting function, heater & air conditioner, radio player and new material mat, etc. A double-seat designed for the co-driver may be used as a berth for rest. A fire extinguisher of 2 kg is available. Heater and air conditioner are standard.	●
Electrical system	24V DC, two sets of 12 V battery in series. Generator: 28 V-80 A	●

	Superstructure	Configuration
Frame	Designed and manufactured by XCMG, made of high strength steel.	●
Hydraulic system	Electric proportional variable pump is used for lifting, elevating and telescoping operations. A closed pump is used to drive slewing operation. The proportional solenoid steering control valve; air-cooled hydraulic oil radiator. Effective volume of hydraulic oil tank: 627L	●
Operating mode	The electric-proportional operation system is equipped with two levers at left and right sides controlling the main movements of the crane, and stepless slewing speed regulation is available.	●
Main winch system	Hydraulic control is used for speed regulation. The system is driven by a hydraulic motor through a planetary gear reducer, with a normally closed brake, a balanced valve and a grooved drum equipped.	●
Auxiliary winch system	Hydraulic control is used for speed regulation. The system is driven by a hydraulic motor through a planetary gear reducer, with a normally closed brake, a balanced valve and a grooved drum equipped.	●
Slewing system	A single-row, four-point contact-ball external slewing bearing; the system is driven by a hydraulic motor through a planetary gear reducer with constant-closed brake equipped, and may continuously slew 360°. Power control and free slewing function as well as stepless speed regulation are available.	●
Elevating system	Single elevating cylinder and the elevating counterbalance valve with the load compensation function. Balance valve-controlled boom gravity combined with power for lowering boom is used for boom elevating down.	●

	Superstructure	Configuration
Operator's cab	Steel cab with a full-view windshield, safety glass, sliding door, adjustable seat with electric heating function; it can tilt backward about 20°; double-layer sun shield is adopted for roof window; sun shield is also equipped at the windshield and rear window; wipers, roof guardrails, pull-out step, LMI, human-machine interactive control panel, electric controlled armrest, engine accelerator pedal, engine start switch, etc. are also available. Heater, air conditioner and fire extinguisher of 2 kg are standard.	●
Safety devices	Hydraulic counterbalance valve; hydraulic relief valve; hydraulic double-way valve; LMI; lowering limiter; anti-two block; anemometer; winch monitor	●
Combined counterweight	Total weight is 24.6t. 6 counterweight combinations of 24.6t、15t、10t、8t、2t、0t are available.	●
Hook block	80 t	●
	55 t	●
	7t	●

	**Boom and jib**	**Configuration**
Boom	7-section boom with U-shaped cross-section, welded structure with single-plate boom head and compact boom tail. Single-cylinder pinning telescoping system, Boom length: 12.7 m～60 m.	●
Jib	The jib consists of a connecting bracket, a rotating bracket and two lattice sections. Three offset angles of 0°, 15° and 30° are available. It is stowed along the side of the boom. Jib length: 10.5 m,17.5 m	●
Single top	Installed at the boom top, used for single line operation. Its lifting performance is the same as that for boom, but the max. lifting load could not exceed 6.5 t.	●
Boom extension	Two-section lattice jib, welded structure, attached to boom head. Length of boom extension: 7 m	○

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

● ——**Standard**

○ ——**Optional**

重量
Weight

全桥转向
All-wheel steering



Axle	1	2	3	4	总重量 Total weight
t	12	12	12	12	48

1)上车不带臂端单滑轮、平衡重；下车不带备胎及备胎支架；驱动形式：8×8；轮胎规格：385/95 R 25；
Single top, counterweight are excluded from superstructure. Spare tire and spare tire bracket are excluded from chassis.
Driving type: 8x8; Tire specification: 385/95 R 25



吊钩 Hook	倍率 No. of lines	吊钩重量 Weight kg	吊钩尺寸 Dimensions mm	备注 Remarks
80t	12	700	1735×554×520	单钩 Single hook ，标配 Standard
55t	8	470	1600×520×370	单钩 Single hook ， 标配 Standard
7t	1	210	717×370×370	单钩 Single hook ，标配 Standard

作业速度
Working speeds





385/95 R 25



1～80



45%



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
1	0-145 m/min，单绳，第四层 m/min, single line,4th layer	6.8t	20 mm/280 m
2	0-90 m/min，单绳，第四层 m/min, single line,4th layer	6.5t	20 mm/200 m
360°	0-2.0 r/min		
	从-1°抬起至81°约55s Approx. 55s for boom elevation from -1° to 81°		
	从12.7m伸出至60m约480s Approx. 480s for boom extension from 12.7m to 60m		

重量
Weight

前桥转向
Two-wheel steering

Axle	1	2	3	4	总重量 Total weight
t	12	12	13	13	50

1)上车不带臂端单滑轮，带2t平衡重；下车不带备胎及备胎支架；转向驱动形式：8×4×4；轮胎规格：1、2轴：385/95 R25，3、4轴：12.00R24；

Single top are excluded from superstructure，2 ton counteweight are included in superstructure. Spare tire and spare tire bracket are excluded from chassis. Steer&Driving type: 8×4×4; Tire specification: 1st and 2nd axles：385/95 R25，3rd and 4th axles:12.00R24.

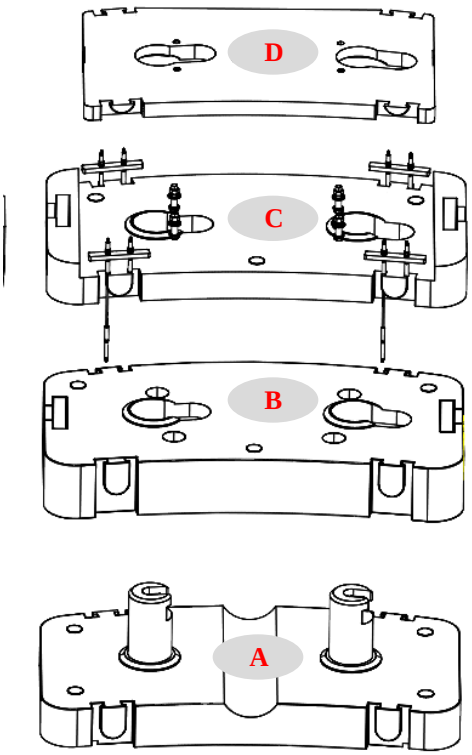
吊钩 Hook	倍率 No. of lines	吊钩重量 Weight kg	吊钩尺寸 Dimensions mm	备注 Remarks
80t	13	700	1735×554×520	单钩 Single hook ，标配 Standard
55t	8	470	1600×520×370	单钩 Single hook ， 标配 Standard
7t	1	210	717×370×370	单钩 Single hook ，标配 Standard

作业速度
Working speeds

	km/h	
385/95 R 25 12.00 R24	1～80	45%

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
1	0-145 m/min，单绳，第四层 m/min, single line,4th layer	6.8t	20 mm/280 m
2	0-90 m/min，单绳，第四层 m/min, single line,4th layer	6.5t	20 mm/200 m
360°	0-2.0 r/min		
	从-1°抬起至81°约55s Approx. 55s for boom elevation from -1° to 81°		
	从12.7m伸出至60m约480s Approx. 480s for boom extension from 12.7m to 60m		

平衡重
Counterweight

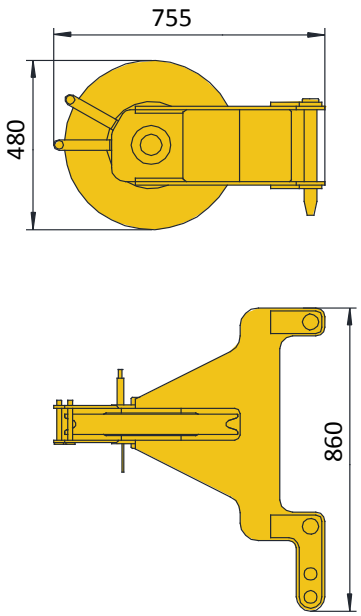


平衡重 Counterweight	A	B	C	D
尺寸（长×宽×高）mm Size（L×W×H） mm	2750×1536×795	2750×1536×424	2750×1536×294	2330×1428×102
重量 t Weight t	8	9.6	5	2

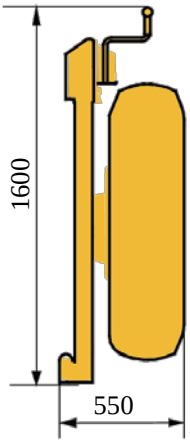
工况模式 Working mode	24.6t	15t	10t	8t	2t
组合形式 Combinations	A+B+C+D	A+C+D	A+D	A	D

运输部件尺寸
Transportation components dimension

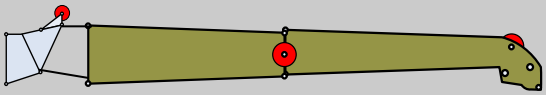
臂端单滑轮95kg
Single top 95kg



备胎（含支架）300kg
Spare wheel(bracket included) 300kg



臂架组合方案
Boom / Jib combinations

副臂 – 10.5m Jib – 10.5m	
副臂 – 17.5m Jib – 17.5m	

部件 Component	结构形式 Structure	尺寸（长×宽×高）mm Size（L×W×H）mm	重量 kg Weight kg
连接架 Connection bracket		2035×870×1476	215
一节副臂总成 First jib section assembly		9340×620×900	567
二节副臂总成 Second jib section assembly		6520×300×430	259

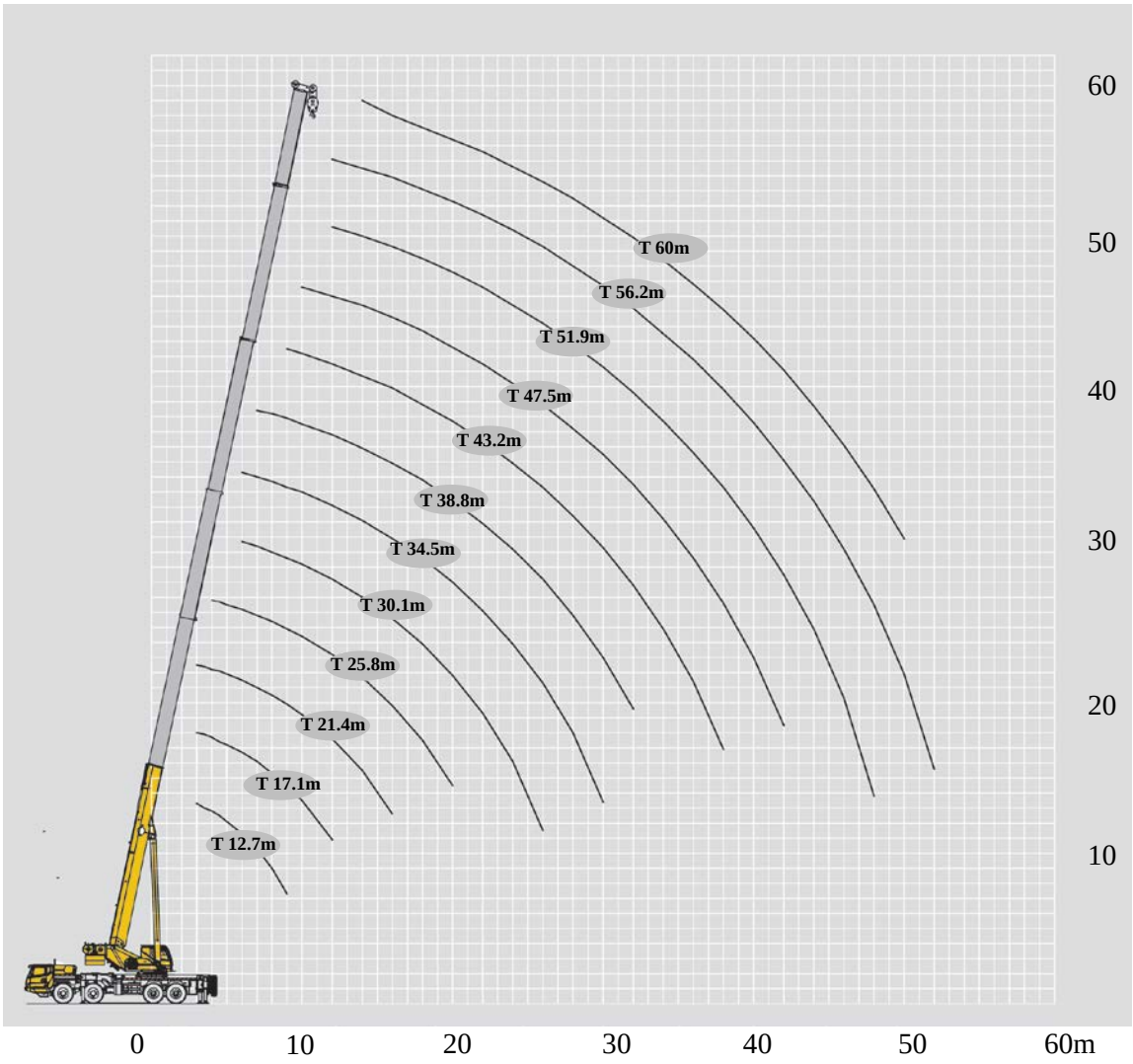
臂架组合方案
Boom / Jib combinations





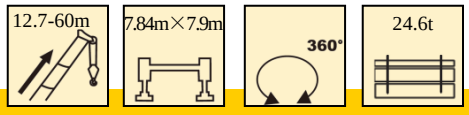


主臂 Telescopic boom	副臂 Jib	主臂加长节 Telescopic boom extension
T：12.7~60m	T：51.9~60.0m J：10.5~17.5m	T：51.9~60.0m I：7m J：10.5~17.5m

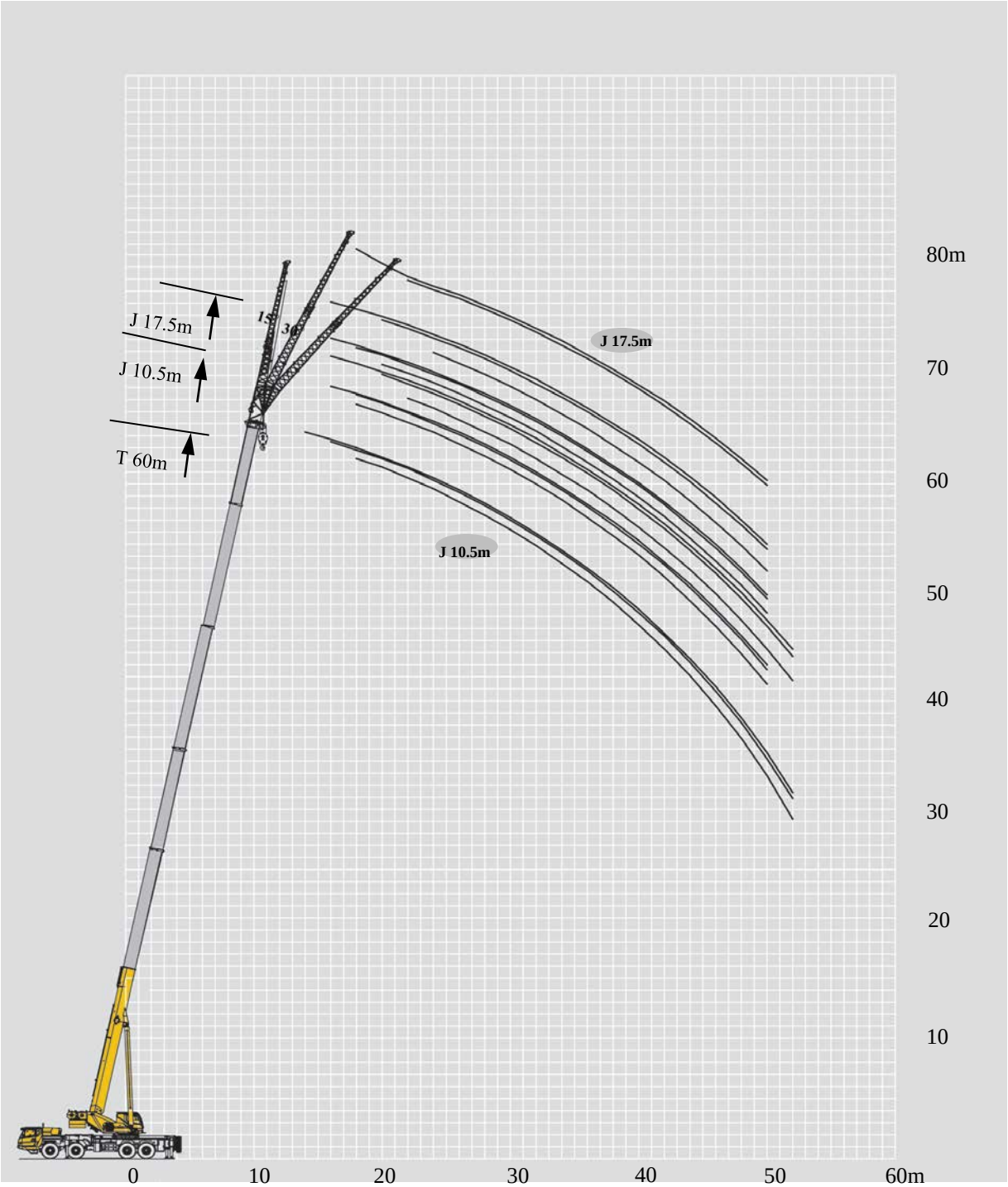

T 60m
T 56.2m
T 51.9m
T 47.5m
T 43.2m
T 38.8m
T 34.5m
T 30.1m
T 25.8m
T 21.4m
T 17.1m
T 12.7m
60
50
40
30
20
10
0
10
20
30
40
50
60m

起重性能表
Lifting capacities

T 12.7~60m

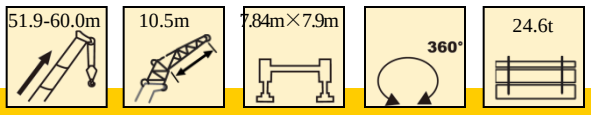


	12.7m	17.1m	21.4m	25.8m	30.1m	34.5m	38.8m	43.2m	47.5m	51.9m	56.2m	60m	
3	80.0	72.0	68.0										3
3.5	80.0	68.0	66.0										3.5
4	75.0	65.0	64.0	53.0									4
4.5	72.0	62.0	60.0	53.0									4.5
5	65.0	60.0	54.0	53.0									5
6	57.5	54.0	50.0	49.5	45.0	40.0							6
7	47.0	47.0	46.0	44.0	44.0	38.0	32.0						7
8	42.0	42.0	42.0	40.0	40.0	37.0	32.0						8
9	36.0	38.0	37.0	37.0	37.0	34.0	31.0	25.0					9
10		32.8	33.0	33.0	33.0	32.0	30.5	25.0	25.0				10
12		26.6	27.1	28.0	28.0	28.0	26.0	25.0	23.4	19.5	16.0		12
14			22.3	22.5	22.2	21.9	21.5	21.7	21.1	18.8	15.9	13.0	14
16			18.0	18.2	17.9	17.6	17.9	18.2	17.7	17.2	15.4	13.0	16
18				15.0	14.8	14.9	14.8	15.1	15.1	14.7	14.1	12.7	18
20				13.3	12.4	13.5	12.9	13.2	12.9	12.6	12.2	11.6	20
22					11.4	11.6	11.5	11.3	11.0	10.8	10.4	10.4	22
24					10.0	10.1	10.0	9.8	9.5	9.3	8.9	8.9	24
26					8.8	8.9	8.7	8.6	8.3	8.0	7.7	7.7	26
28						7.8	7.7	7.6	7.3	7.0	6.6	6.7	28
30						6.9	6.8	6.7	6.4	6.1	5.8	5.8	30
32							6.0	5.9	5.6	5.4	5.0	5.0	32
34								5.3	5.0	4.7	4.4	4.4	34
36								4.7	4.4	4.2	3.8	3.8	36
38								4.2	3.9	3.6	3.3	3.3	38
40									3.4	3.2	2.8	2.8	40
42									3.0	2.8	2.4	2.4	42
44										2.4	2.0	2.1	44
46										2.1	1.7	1.7	46
48										1.8	1.4	1.4	48
50											1.1	1.2	50

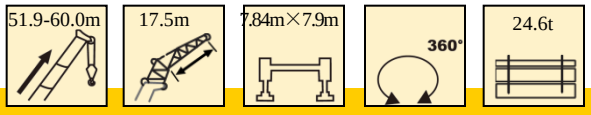

J 17.5m
J 10.5m
T 60m
15
30
J 17.5m
J 10.5m
80m
70
60
50
40
30
20
10
0
10
20
30
40
50
60m

起重性能表
Lifting capacities

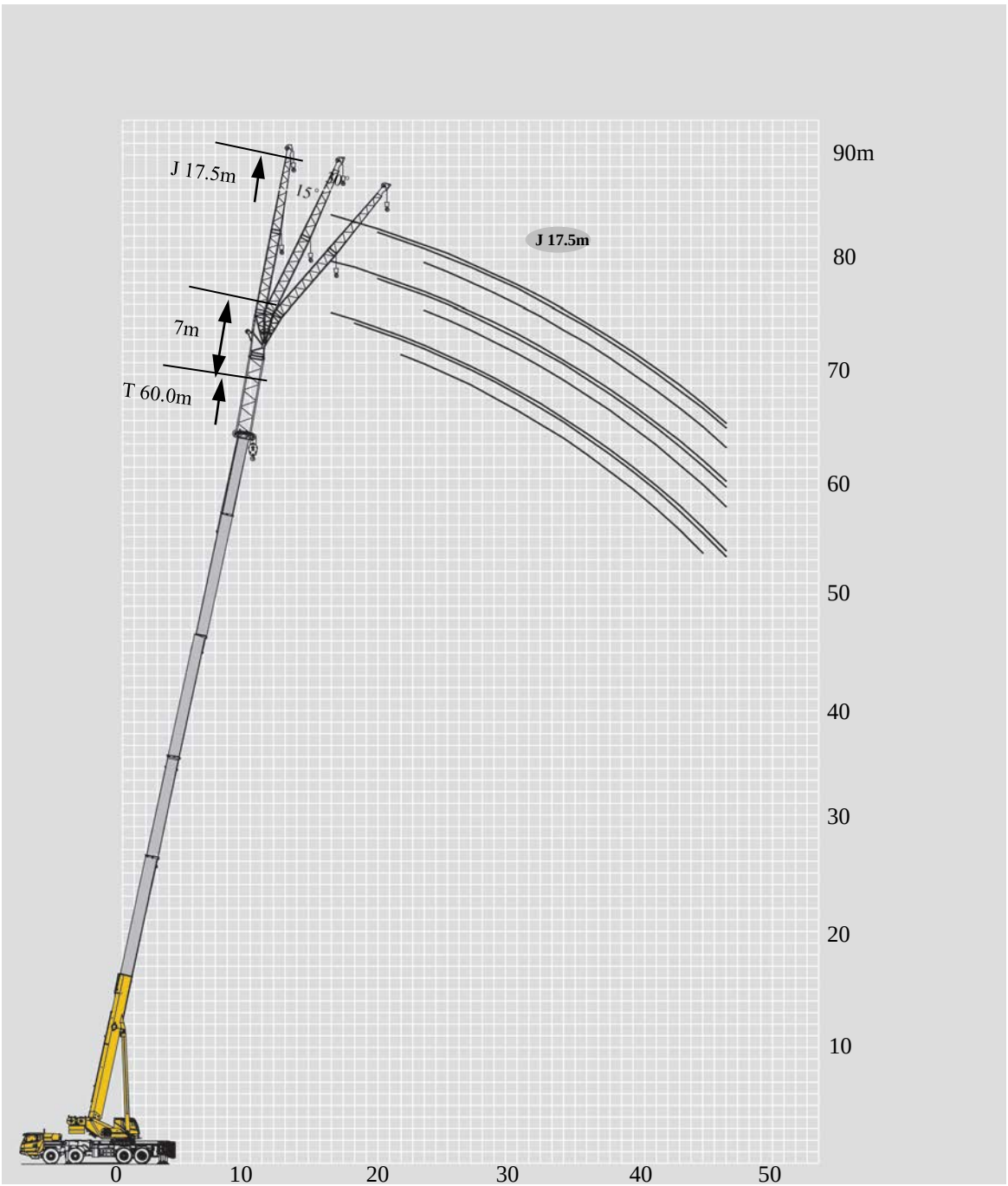
J 10.5m/17.5 m



	51.9m			56.2m			60.0m			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
14	6.5									14
16	6.5	6.5		6.5			6.5			16
18	6.5	6.3	5.0	6.5	6.1	4.8	6.5	5.9		18
20	6.5	6.2	4.9	6.5	6.0	4.8	6.4	5.7	4.5	20
22	6.5	6.0	4.8	6.5	5.8	4.6	6.1	5.6	4.5	22
24	6.4	5.8	4.6	6.2	5.7	4.5	6.0	5.5	4.4	24
26	6.3	5.5	4.5	5.9	5.5	4.4	5.8	5.4	4.3	26
28	5.8	5.4	4.4	5.4	5.3	4.4	5.4	5.3	4.3	28
30	5.1	5.3	4.4	4.8	5.0	4.3	4.7	5.0	4.3	30
32	4.5	4.7	4.3	4.2	4.4	4.3	4.2	4.4	4.2	32
34	4.0	4.2	4.3	3.7	3.9	4.1	3.6	3.8	4.1	34
36	3.5	3.7	3.8	3.2	3.4	3.6	3.2	3.4	3.5	36
38	3.1	3.3	3.4	2.8	3.0	3.1	2.8	3.0	3.1	38
40	2.8	2.9	3.0	2.5	2.6	2.7	2.4	2.6	2.7	40
42	2.5	2.6	2.6	2.2	2.3	2.4	2.1	2.2	2.4	42
44	2.2	2.2	2.3	1.8	2.0	2.1	1.8	1.9	2.1	44
46	1.9	2.0	2.1	1.6	1.7	1.8	1.5	1.7	1.8	46
48	1.7	1.8	1.8	1.4	1.4	1.5	1.3	1.4	1.5	48
50	1.4	1.5	1.5	1.1	1.2	1.3	1.1	1.2	1.3	50
52	1.2	1.3	1.4							52
组合	12222			22221			33333			组合

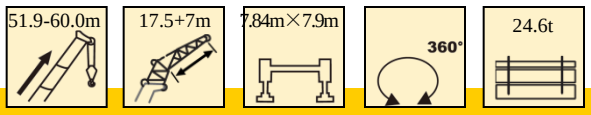


	51.9m			56.2m			60.0m			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
16	4.6			4.2						16
18	4.5			4.2			4.0			18
20	4.4	3.3		4.2	3.3		4.0			20
22	4.3	3.1	2.4	4.1	3.2		4.0	3.1		22
24	4.0	3.0	2.4	4.0	3.1	2.3	3.8	3.0		24
26	3.9	2.9	2.3	3.8	3.0	2.3	3.7	2.9	2.4	26
28	3.8	2.9	2.3	3.6	2.8	2.4	3.6	2.8	2.3	28
30	3.7	2.8	2.3	3.5	2.7	2.2	3.5	2.7	2.2	30
32	3.6	2.7	2.2	3.4	2.7	2.1	3.4	2.8	2.2	32
34	3.4	2.7	2.1	3.3	2.6	2.2	3.3	2.7	2.2	34
36	3.3	2.6	2.1	3.2	2.6	2.1	3.2	2.5	2.0	36
38	3.2	2.4	2.0	3.0	2.5	2.0	3.0	2.4	2.1	38
40	3.0	2.6	2.0	2.7	2.5	2.1	2.6	2.6	2.1	40
42	2.6	2.4	1.9	2.4	2.5	2.0	2.3	2.4	1.9	42
44	2.4	2.3	2.0	2.1	2.3	1.9	2.0	2.2	1.9	44
46	2.1	2.3	1.8	1.8	2.0	1.9	1.8	2.0	1.9	46
48	1.8	2.0	1.8	1.5	1.8	1.8	1.5	1.8	1.8	48
50	1.6	1.8	1.8	1.4	1.5	1.7	1.3	1.5	1.7	50
52	1.3	1.5	1.5							52
组合	12222			22221			33333			组合


J 17.5m
15°
7m
T 60.0m
J 17.5m
90m
80
70
60
50
40
30
20
10
0
10
20
30
40
50

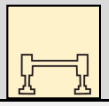
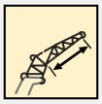
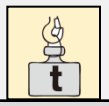
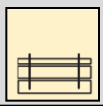
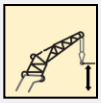
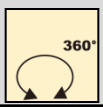
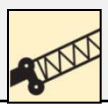
起重性能表
Lifting capacities

J 10.5m/17.5 m



	51.9m			56.2m			60.0m			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
16	3.3									16
18	3.2			3.0			2.5			18
20	3.1	2.7		2.9			2.5			20
22	3.1	2.5		2.9	2.5		2.5	2.5		22
24	3.0	2.2	1.4	2.9	2.4		2.5	2.4		24
26	3.0	2.1	1.5	2.9	2.3	1.4	2.5	2.3	1.5	26
28	2.9	2.0	1.4	2.9	2.1	1.3	2.5	2.2	1.4	28
30	2.8	1.9	1.3	2.9	2.0	1.3	2.5	2.1	1.3	30
32	2.7	1.8	1.3	2.9	1.9	1.3	2.3	1.9	1.3	32
34	2.6	1.7	1.2	2.9	1.8	1.2	2.3	1.8	1.3	34
36	2.5	1.6	1.2	2.8	1.8	1.2	2.3	1.8	1.1	36
38	2.4	1.7	1.2	2.8	1.7	1.2	2.3	1.8	1.2	38
40	2.3	1.6	1.1	2.7	1.5	1.1	2.0	1.7	1.2	40
42	2.2	1.5	1.1	2.4	1.6	1.1	2.0	1.6	1.1	42
44	2.1	1.4	1.1	2.2	1.6	1.0	2.0	1.5	1.0	44
46	2.0	1.5	1.1	1.8	1.4	1.1	1.8	1.6	1.1	46
48	1.9	1.4	1.1	1.6	1.4	1.0	1.5	1.5	1.1	48
50	1.7	1.3		1.4	1.4	1.1	1.4	1.4	1.1	50
组合	12222			22221			33333			组合

符号标识
Description of symbols

	上车 Superstructure		底盘 Chassis
	起重能力 lifting capacity		车桥 Axle
	吊臂长度 Boom length		行驶速度 Driving speed
	工作幅度 Radius		爬坡能力 Gradability
	吊臂仰角 Boom position		轮胎 Tyres
	主臂起升高度 Hoist height with Boom		支腿 Outriggers
	固定副臂长度 Fixed jib length		吊钩 Hook block
	副臂安装角 Jib offset angle		平衡重 Counterweight
	副臂起升高度 Hoist height with jib		卷扬 Winch
	独立臂头 Independent jib head		360°全回转 360° rotation
	主臂加长节 Boom extension		

主要技术参数
Main Technical Data

类别 Category	项目 Item		单位 Unit	参数 Parameter	
				全桥转向 All-wheel steering	前桥转向 Two-wheel steering
尺寸参数 Dimensions	外形尺寸（长×宽×高） Outline size（length× width× height）		mm	14970×28000×3990	
	轴距 Wheel base		mm	2000+4000+1500	2000+4000+1350
	轮距（前/后） Track（Front/ Rear）		mm	2353/2325(美驰) 2291(大江)	2353/2063
	前悬/后悬 Front/ Rear overhang		mm	2535/2270	2535/2420
	前伸/后伸 Front/ Rear extension		mm	2280/385	2280/385
重量参数 Weight	最大允许总质量 Total vehicle mass in travel configuration		kg	48000	50000
	轴荷 Axle load	一轴 1st axle	kg	12000	12000
		二轴 2nd axle	kg	12000	12000
		三轴 3rd axle	kg	12000	13000
		四轴 4th axle	kg	12000	13000
动力参数 Power	发动机型号 Engine model		——	MC11.40-50(国五)/MC11.40-60(国六)	
	额定功率/转速 Engine rated power/rpm		kW/(r/min)	297/1900	
	最大净功率/转速 Max. net power/rpm		kW/(r/min)	294/1900	
	最大输出扭矩/转速 Engine rated torque/rpm		N.m/(r/min)	1900/1000-1400	
行驶参数 Travel	最高车速 Max. travel speed		km/h	≥80	
	最低稳定车速 Min. travel speed		km/h	1.7～3	
	最小转弯直径 Min. turning diameter		m	≤20	≤24
	臂头最小转弯直径 Min. turning diameter at boom tip		m	≤25	≤29.4
	最小离地间隙 Min. ground clearance		mm	367	303
	接近角 Approach angle		°	20	
	离去角 Departure angle		°	14	13
	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		%	45	
	百公里油耗 Fuel consumption per 100 km		L	45	
噪音 Noise	加速行驶机外噪声 Exterior noise level		dB(A)	≤84	
	驾驶员耳旁噪声 Noise level at seated position		dB(A)	≤90	

主要技术参数
Main Technical Data

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	80
	最小额定工作幅度 Min. rated working radius			m	3.0
	转台尾部回转半径 Turning radius at turntable tail	平衡重处 Counterweight		mm	4560
		副卷处 Auxiliary winch		mm	4510
	最大起重力矩 Max. load moment	基本臂 Base boom		kN.m	3381
		最长主臂 Fully-extended boom		kN.m	2266
		最长主臂+副臂 Fully-extended boom + Jib		kN.m	1605
	支腿跨距 Outrigger span	纵向 Longitudinal		m	7.84（7.2）
		横向 Lateral		m	7.90（5.9）
	起升高度 Hoist height	基本臂 Base boom		m	13.3
		最长主臂 Fully-extended boom		m	60
		最长主臂+副臂 Fully-extended boom + Jib		m	84.5
	起重臂长度 Boom length	基本臂 Base boom		m	12.7
		最长主臂 Fully-extended boom		m	60
		最长主臂+副臂 Fully-extended boom + Jib		m	84.5
	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	55
	起重臂全伸时间 Boom fully extended time			s	480
	最大回转速度 Max. slewing speed			r/min	2.0
	支腿收放时间 Outrigger extending and retracting time	水平支腿 Outrigger beam	收 Retracting	s	40
			放 Extending	s	50
		垂直支腿 Outrigger jack	收 Retracting	s	45
			放 Extending	s	50
	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	145
		副起升机构 Auxiliary winch		m/min	90
噪声 Noise	机外辐射 Exterior noise level			dB（A）	124
	司机位置处 Noise level at seated position			dB（A）	90

注意事项
Notes

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(瞬时风速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 from the rated lifting load.
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. Take boom deflection into consideration before beginning a lifting operation.
3. A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed is 14.1 m/s, wind pressure is 125 N/m^2).
4. Before beginning lifting operation, the operator should know the weight of the load to be lifted and its working range, and then select proper working conditions. 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 should be extended according to the telescoping code shown by digits, which means the percentage of boom sections extended.

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