XCT90_BRI汽车起重机 / Truck Crane

技术规格书
Basic technical specification

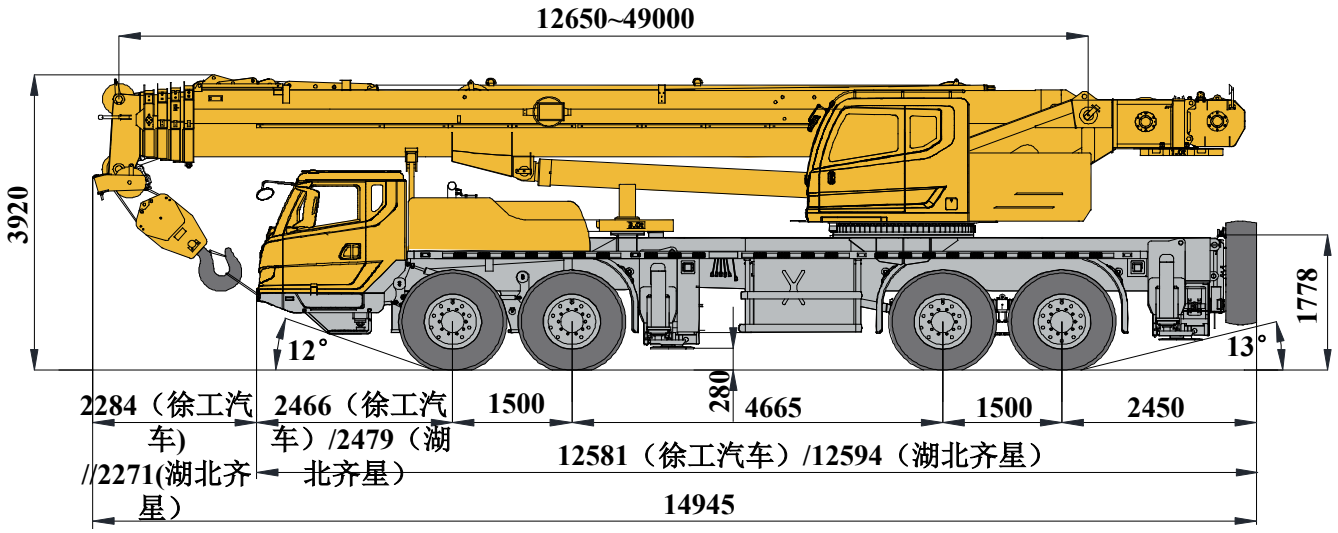
90t*　49m　66m

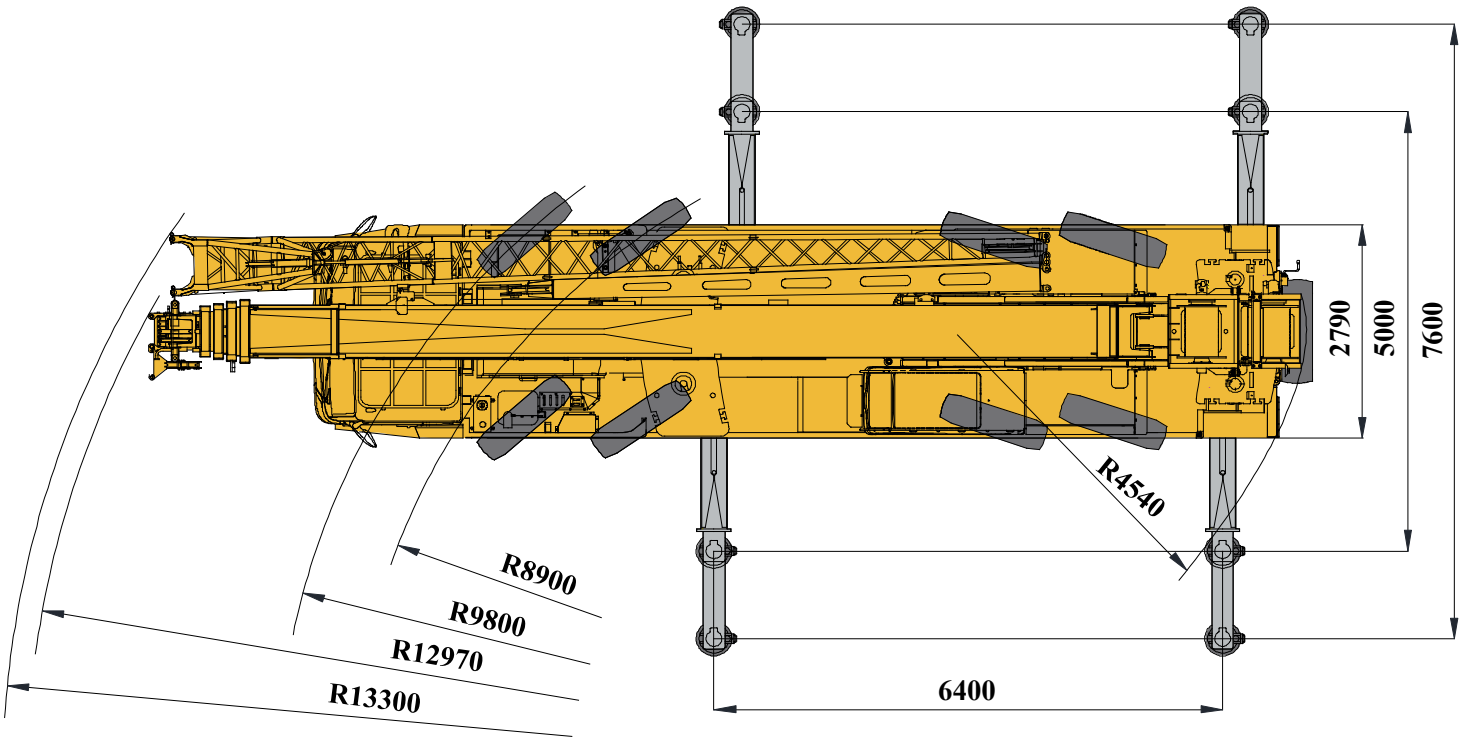
XCMG

目录
Contents

尺寸参数 Dimensions	3
技术规格 Technical specifications	4-7
重量/作业速度 Weight / Working speeds	8
平衡重 Counterweight	9
臂架组合方案 Boom / Jib combinations	10-11
主臂 Boom	12-15
副臂 Jib	16-17
符号标识 Description of symbols	18
主要技术参数表 Main Technical Data	19-20
注意事项 Notes	21

尺寸参数
Dimensions





技术规格
Technical specifications

底盘		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；纵向H形布置，操作杆控制液压动作；可由底盘任一侧同时或单独控制各支腿的动作，设有水平仪；带第五支腿；且垂直支腿带有液压双向锁 支脚盘尺寸：450×450mm 最大起重量时支腿反力：863kN	●
发动机	WP12.375N，直列六缸水冷电控柴油发动机，潍柴，额定功率276kW/1900rpm，最大扭矩1800Nm/1000-1400rpm，国三排放标准。 燃油箱容积：350L。	●
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	高强度车桥，3、4桥驱动	●
悬挂	前悬架：纵置钢板弹簧式平衡悬架，筒式减震器 后悬架：采用双纵臂平衡悬架，上推力杆采用V型推力杆	●
轮胎	8个轮胎，1个备胎，前后桥都装单胎 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，标配ABS防抱死系统 驻车制动：弹簧贮能制动，作用于2-4轴车轮。 辅助制动：发动机排气制动。	●
转向	机械式转向机构，带有液压助力，带后轴转向系统	●
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。	●

上车		配置
结构	徐工设计、制造，高强度钢材制造。	●
液压系统	底盘发动机驱动变量柱塞泵，用于起升、变幅、伸缩。负载敏感式比例多路换向阀，带有抗冲击阀、防气蚀阀；风冷式液压油散热器； 液压油箱容积：970L	●
操纵方式	液控先导操纵系统，由左右2个操纵手柄控制，由液压泵和比例阀进行液压先导式控制起重机的全部动作	●
主起升机构	液压控制调速，装有双折线绳槽卷筒，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；	●
副起升机构	液压控制调速，装有双折线绳槽卷筒，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；	●
回转机构	四点接触球式回转支承，由液压马达驱动行星齿轮回转机构减速器驱动，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；回转杆设有鸣响开关；	●
变幅机构	单支双作用前置液压变幅油缸，带有平衡阀	●
操纵室	新型钢制操纵室，装有无视野死角的前景窗，安全玻璃，车窗装有遮阳板，推拉式车门，座椅靠背可倾斜定位，操纵杆安装在座椅两侧的扶手台上；带推拉踏板；前窗顶窗装有雨刮器；标配单冷空调；	●
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；三色报警灯；回转警示灯	●
选装配置	卷扬监视装置	○
	倒车影像	○
	数据记录仪	○
	支腿压力检测	○
	支腿长度检测	○
	空调制暖装置	○

技术规格
Technical specifications

	上车		配置
起重钩	90t钩		○
	55t 钩		●
	5.5t钩		●
组合配重	总重11t，共有4t、8.5t、11t共3种组合方式。	4t	●
		4.5t	●
		2.5t	●

	臂架系统	配置
主臂	5节，“U”形截面的筒形焊接结构。 双缸绳排伸缩机构 主臂长度：12.7m～49m。	●
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5.5t。	●

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		Configuration
Frame	Designed and manufactured by XCMG, with all covered walking surface, anti-torsion box structure and optimal load-bearing structure design, made of imported high strength steel.	●
Outrigger	4 outriggers, H-shaped arrangement, lateral and vertical outrigger controlled by the hydraulic control. Control levers are located on both sides of the chassis, with a luminous level gauge equipped, with the fifth jack, and the vertical outrigger has two-way hydraulic lock. Float dimension: 450×450mm Reaction force of outrigger at max. lifting load:863KN	●
Engine	WP12.375N, in-line six-cylinder water-cooled EFI diesel engine, manufactured by WEICHAI POWER, rated power 276kW /1900rpm, max. stand torque 1800Nm/1000-1400rpm, the national III emission rds. Fuel tank capacity：350L	●
Gearbox	Electric controlled transmission imported from SHANXI FAST GEAR Co., Ltd, with mechanism control, equipped with retarded brake, with 10 forward gears and 2 reverse gears available	●
Alxes	High strength axle with reliable performance. 3rd axle and 4th axle for driving	●
Suspension	Front suspension: longitudinal leaf spring balanced suspension, with tube shock absorber. Rear suspension: double trailing arm balanced suspension, V-type upper thrust lever	●
Tires	8 tires and 1 spare tire, front axles and rear axles are equipped with single tire Tire specifications: 385/95R25	●
Brakes	Service brake: double-circuit air pressure brake, acting on all wheels, ABS is available. Parking brake: spring energy brake, acting on wheels of 2-4 axles. Auxiliary brake: engine exhaust brake	●

 Chassis		Configuration
Steering	Mechanically steering mechanism with hydraulic power assisted.	●
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, rear mirrors, electric control washer, electronic lifters of doors and windows, indoor air humidifier with windscreen defroster, air conditioner, radio cassette player, etc. A double-seat designed for the co-driver may be used as a berth for rest. Air conditioner and fire extinguisher of 2 kg are standard.	●
Electric	24V DC, negative ground, 2 batteries.	●

 Superstructure		Configuration
Frame	Designed and manufactured by XCMG; Made of high-strength steel	●
Hydraulic system	The variable plunger pump driven by engine is used to control hoisting, elevating and telescoping; and the gear pump is used for slewing operations. Load sensitive proportional multi-way change valve, Air-cooled hydraulic oil radiator; Volume of hydraulic oil tank: 970L	●
Operating mode	Hydraulic pilot control of all crane movements using two control levers. All crane movements are controlled by hydraulic pump and proportional valve.	●
Main winch system	Hydraulic controlled speed regulation, groove drum is equipped, driven by hydraulic motor through planetary gear reducer, and built-in normally closed brake and counterbalance valve are available.	●
Auxiliary winch system	Hydraulic controlled speed regulation, groove drum is equipped, driven by hydraulic motor through planetary gear reducer, and built-in normally closed brake and counterbalance valve are available.	●
Slewing system	A single-row, four-point contact-ball slewing ring is driven by the planetary gear reducer of slewing mechanism, which is driven by a hydraulic motor, and may continuously slew 360°. Power control and free slewing function as well as stepless speed regulation are available.	●

技术规格
Technical specifications

 Superstructure			Configuration
Elevating system	A single-cylinder with balance valve equipped is used for front support elevation.		●
Operator's Cab	New fully-enclosed steel tiltable cab with a full-view front window. Safety glass and sun shield are used for windows. Wipers are fitted for the windshield and roof window. The cab features a new ergonomic seat design with backrest adjustment and armrests with joysticks fitted. A sliding door and a pull-out step are available. Air conditioner are available.		●
Safety devices	Hydraulic balance valve; hydraulic relief valve; double-way hydraulic valve; load moment limiter; rope-end limiter; height limiter; anemometer; tri-color warning lamp, slewing warning lamp		●
Additional equipment	Winch monitoring device		○
	Reversing camera		○
	Data recorder		○
	outrigger pressure detection		○
	Outrigger length detection		○
	Heating device		○
Hook block	90 t hook block		○
	55 t hook block		●
	5.5t hook block		●
Combined counterweight	Total weight is 11t. Including3pieces(4t，4.5t，2.5t) Counterweight configurations: 4 t,8.5t.,11t。	4t	●
		4.5t	●
		2.5t	●

 Boom and jib system		Configuration
Boom	5-section, U-shape cross section, welding str-ucture. Boom length:12.7m ~ 49m.	●
Jib	It is stowed beside the boom, consisted of a connecting bracket, a rotating bracket and two lattice bi-fold jibs with jib offset angle: 0°,15°,30 Jib length 10.5m/17.5m.	●
Single top	Boom single top is installed on the top of boom and used for lifting operation of single line wire rope. The lifting performance of boom single top is the same with boom, but max. load capacity cannot exceed 5500kg.	●

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	4	总重量 Total weight	备注 Remarks
t	10.8	10.8	11.7	11.7	45	不带平衡重 Without counterweight
t	13.7	13.7	14.3	14.3	56	全配置 All configurations

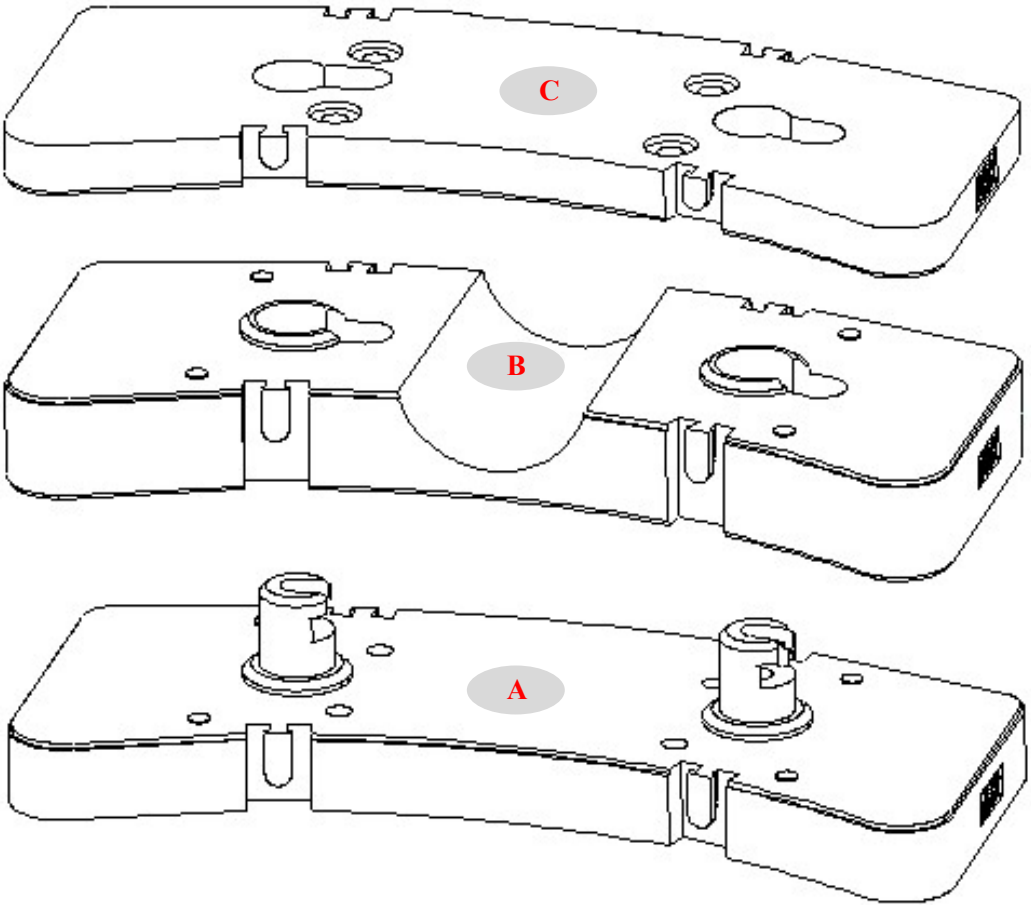
吊钩 Hook	倍率 No. of lines	吊钩重量 Weight kg	吊钩尺寸 Dimensions mm	备注 Remarks
90t	12	700	1735×554×520	单钩 Single hook， 选配 Optional
55t	8	470	1600×520×370	单钩 Single hook， 标配 Standard
5.5t	1	150	720×320×320	单钩 Single hook， 标配 Standard

作业速度
Working speeds

		
385/95R25	2～80	48%

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，第四层 m/min, single line,4th layer	65KN	20 mm/240m
	0-90 m/min，单绳，第四层 m/min, single line,4th layer	65KN	20 mm/180 m
	0-2 r/min		
	从-2°抬起至81°约55s Approx. 55s for boom elevation from -2 ° to 81°		
	从12.7m伸出至49m约115s Approx. 115s for boom extension from 12.7m to 49m		

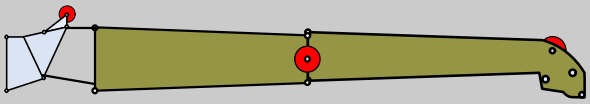
平衡重
Counterweight

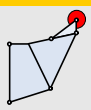


平衡重 Counterweight	A	B	C
尺寸（长×宽×高） m Size（L×W×H） m	2700×1200×495	2700×1200×340	2700×1200×155
重量 t Weight t	4	4.5	2.5

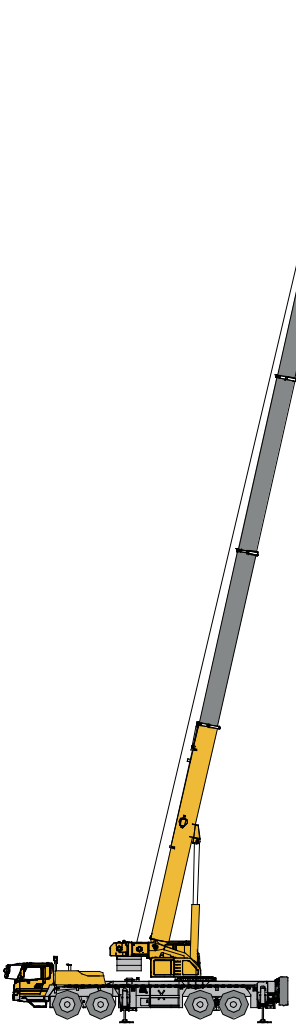
标配工况模式 Working mode	11t	8.5t	4t
组合形式 Combinations	A+B+C	A+B	A

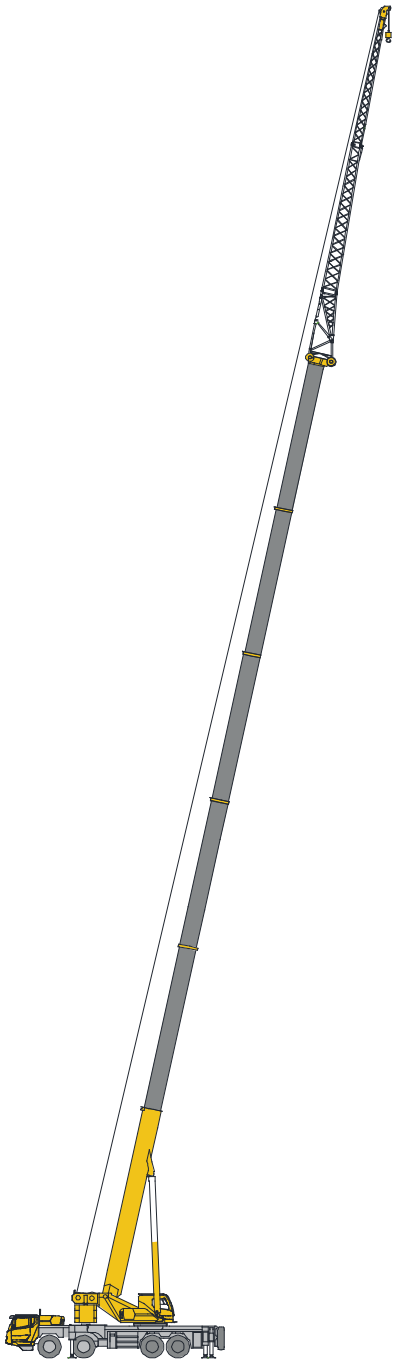
臂架组合方案
Boom / Jib combinations

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

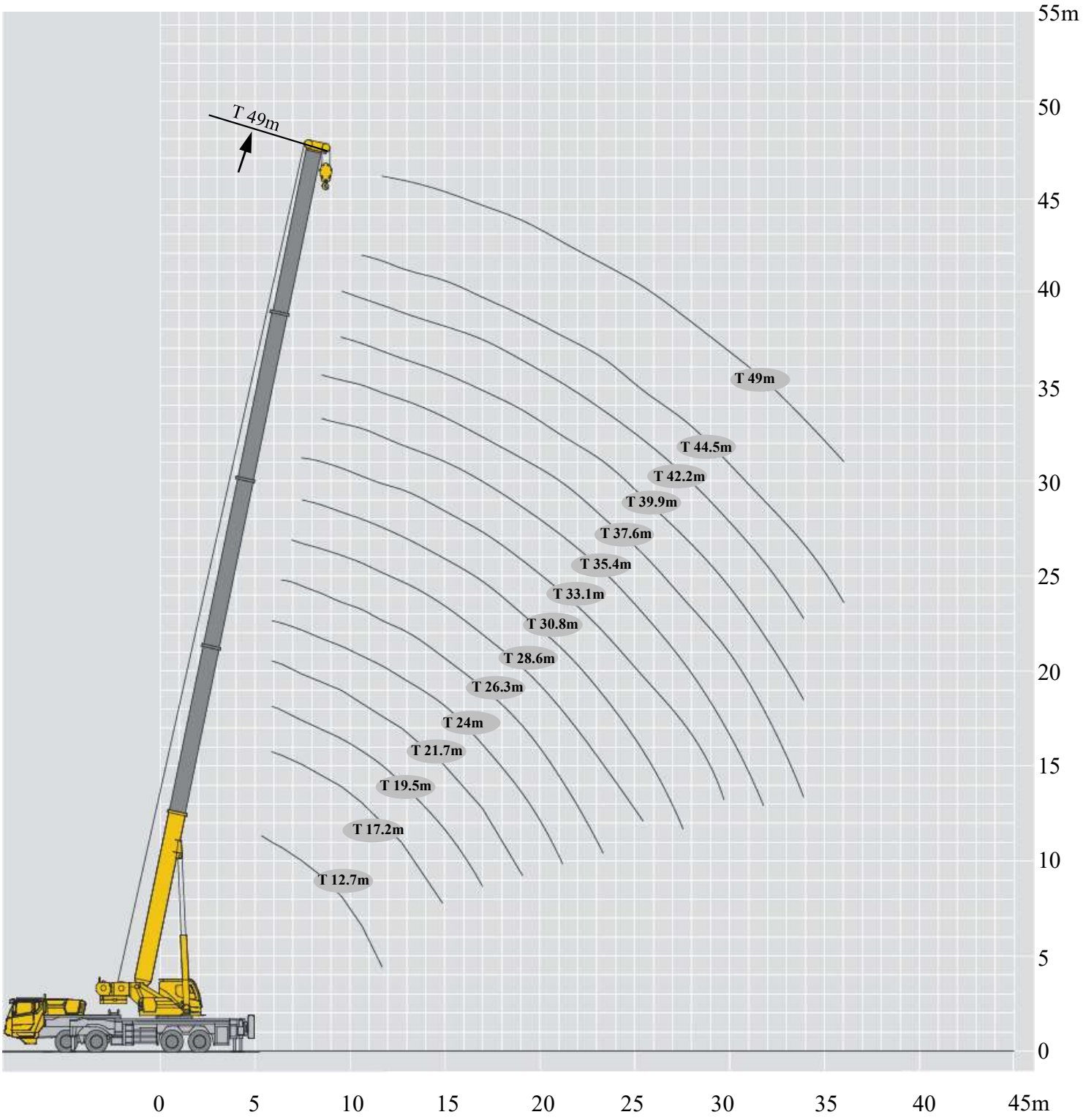
部件 Component	结构形式 Structure	尺寸（长×宽×高） mm Size（L×W×H） mm	重量 kg Weight kg
连接架 Connection bracket		1910×740×1050	221
一节副臂总成 First jib section assembly		9340×620×900	567
二节副臂总成 Second jib section assembly		6520×300×430	259

臂架组合方案
Boom / Jib combinations



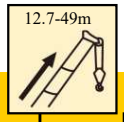


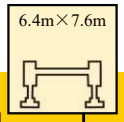
主臂 Telescopic boom	副臂 Jib
T：12.7~49m	T：49m J：10.5~17.5 m

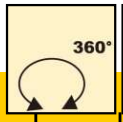

T 49m
T 49m
T 44.5m
T 42.2m
T 39.9m
T 37.6m
T 35.4m
T 33.1m
T 30.8m
T 28.6m
T 26.3m
T 24m
T 21.7m
T 19.5m
T 17.2m
T 12.7m
55m
50
45
40
35
30
25
20
15
10
5
0
0
5
10
15
20
25
30
35
40
45m

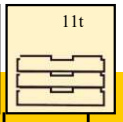
起重性能表
Lifting capacities

T 12.7~49m





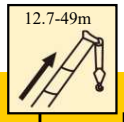


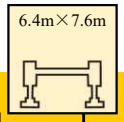


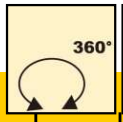
	12.7m	17.2m	19.5m	21.7m	24m	26.3m	28.6m	30.8m	33.1m	35.4m	37.6m	39.9m	42.2 m	44.5	49m	
2.5	90*															
3	78															3
3.5	70															3.5
4	69	63.8	37.4	46.4												4
5	58.7	58.0	34.8	45.4	36.8	29.1	35.3									5
6	48	46.4	32.6	40.3	34.8	27.4	35.0	28.1	20.1							6
7	40.2	39.5	30.7	38.3	32.9	25.3	32.2	26.6	18.8	25.4						7
8	34	33.3	30.2	33.5	31.2	23.8	29.5	25.2	17.8	23.3	17.9	14.1	16.2			8
9	29	27.9	27.8	29.0	29.8	22.6	27.5	24	16.7	21.9	17.1	13.3	16.2	12.3		9
10		24.4	25.0	24.0	26.2	21.4	24.4	23	15.8	20.5	16.3	12.2	16.2	11.8	11.1	10
12		16.9	19.4	16.5	18.5	19.2	17.9	19.4	14.3	18.3	14.8	11.1	15.1	11	10.5	12
14			14.6	12.0	13.8	15.3	13.3	14.6	12.7	14.1	13.3	10.2	14	10.2	10.3	14
16				9.0	10.7	12.1	10.2	11.5	11.4	11.0	11.9	9.4	11.5	9.6	9.7	16
18					8.5	9.9	8.0	9.2	10.2	8.7	9.7	8.3	9.2	8.9	9.2	18
20						8.1	6.2	7.5	8.5	7.0	7.9	7.6	7.5	8.2	7.8	20
22							4.9	6.1	7.2	5.6	6.6	6.9	6.0	6.9	6.5	22
24								5.0	6.0	4.5	5.4	5.9	5.0	5.7	5.3	24
26									5.1	3.7	4.5	5.3	4.1	4.8	4.4	26
28										2.9	3.8	4.5	3.4	4.1	3.7	28
30											3.2	3.9	2.7	3.4	3.0	30
32												3.4	2.2	2.9	2.5	32
34													2.0	2.4	2.0	34
36														2.0	1.6	36
38															1.3	38
40															1.0	40

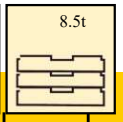
起重性能表
Lifting capacities

T 12.7~49m

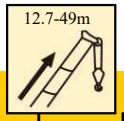


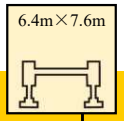


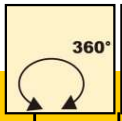


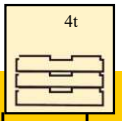


	12.7m	17.2m	19.5m	21.7m	24m	26.3m	28.6m	30.8m	33.1m	35.4m	37.6m	39.9m	42.2 m	44.5	49m	
3	78															3
3.5	70															3.5
4	69	63.8	37.4	46.4												4
5	58.7	58.0	34.8	45.4	36.8	29.1	35.3									5
6	48	46.4	32.6	40.3	34.8	27.4	35.0	28.1	20.1							6
7	40.2	39.5	30.7	38.3	32.9	25.3	32.2	26.6	18.8	25.4						7
8	34	33.3	30.2	33.5	31.2	23.8	29.5	25.2	17.8	23.3	17.9	14.1	16.2			8
9	28.1	27.3	27.8	26.8	29.2	22.6	27.5	24	16.7	21.9	17.1	13.3	16.2	12.3		9
10		21.9	24.6	21.5	23.7	21.4	23	23	15.8	20.5	16.3	12.2	16.2	11.8	11.1	10
12		15.1	17.5	14.7	16.6	18.2	16.1	17.5	14.3	16.9	14.8	11.1	15.1	11	10.5	12
14			13.1	10.5	12.3	13.8	11.8	13.1	12.7	12.6	13.3	10.2	13.1	10.2	10.3	14
16				7.7	9.5	10.9	9.0	10.2	11.3	9.7	10.7	9.4	10.2	9.6	9.7	16
18					7.4	8.8	6.9	8.1	9.1	7.6	8.6	8.3	8.1	8.9	8.4	18
20						7.2	5.4	6.5	7.5	6.0	7.0	7.6	6.5	7.3	6.8	20
22							4.1	5.3	6.3	4.8	5.7	6.5	5.3	6.0	5.6	22
24								4.3	5.3	3.8	4.7	5.5	4.3	5.0	4.6	24
26									4.4	3.0	3.9	4.7	3.5	4.2	3.8	26
28										2.4	3.2	4.0	2.8	3.5	3.1	28
30											2.6	3.4	2.2	2.9	2.5	30
32												2.9	1.7	2.4	2.0	32
34														2.0	1.6	34
36														1.6	1.2	36





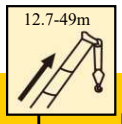


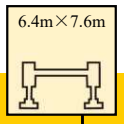


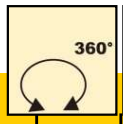
	12.7m	17.2m	19.5m	21.7m	24m	26.3m	28.6m	30.8m	33.1m	35.4m	37.6m	39.9m	42.2 m	44.5	49m	
3	78															3
3.5	70															3.5
4	69	63.8	37.4	46.4												4
5	58.7	58.0	34.8	45.4	36.8	29.1	35.3									5
6	48	46.4	32.6	40.3	34.8	27.4	35.0	28.1	20.1							6
7	40.2	39.5	30.7	38.3	32.9	25.3	32.2	26.6	18.8	25.4						7
8	30.2	29.2	30.2	28.7	31.2	23.8	29.5	25.2	17.8	23.3	17.9	14.1	16.2			8
9	23.2	22.4	25.3	21.9	24.3	22.6	23.6	24	16.7	21.9	17.1	13.3	16.2	12.3		9
10		17.8	20.5	17.4	19.5	21.3	18.9	20.5	15.8	19.9	16.3	12.2	16.2	11.8	11.1	10
12		12.0	14.3	11.5	13.5	15.1	12.9	14.4	14.3	13.8	14.8	11.1	14.4	11	10.5	12
14			10.6	8.0	9.8	11.3	9.3	10.6	11.8	10.1	11.1	10.2	10.6	10.2	10.3	14
16				5.6	7.4	8.8	6.9	8.1	9.2	7.6	8.6	9.4	8.1	8.9	8.5	16
18					5.6	7.0	5.1	6.3	7.3	5.8	6.8	7.6	6.3	7.1	6.6	18
20						5.6	3.8	5.0	6.0	4.5	5.4	6.2	4.9	5.7	5.3	20
22							2.7	3.9	4.9	3.4	4.3	5.1	3.9	4.6	4.2	22
24								3.0	4.0	2.6	3.5	4.2	3.0	3.7	3.3	24
26									3.3	1.9	2.7	3.5	2.3	3.0	2.6	26
28										1.3	2.2	2.9	1.7	2.4	2.0	28
30											1.7	2.4	1.2	1.9	1.5	30
32												2.0		1.5	1.1	32
34														1.1		34

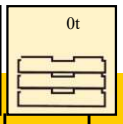
起重性能表
Lifting capacities

T 12.7~49m





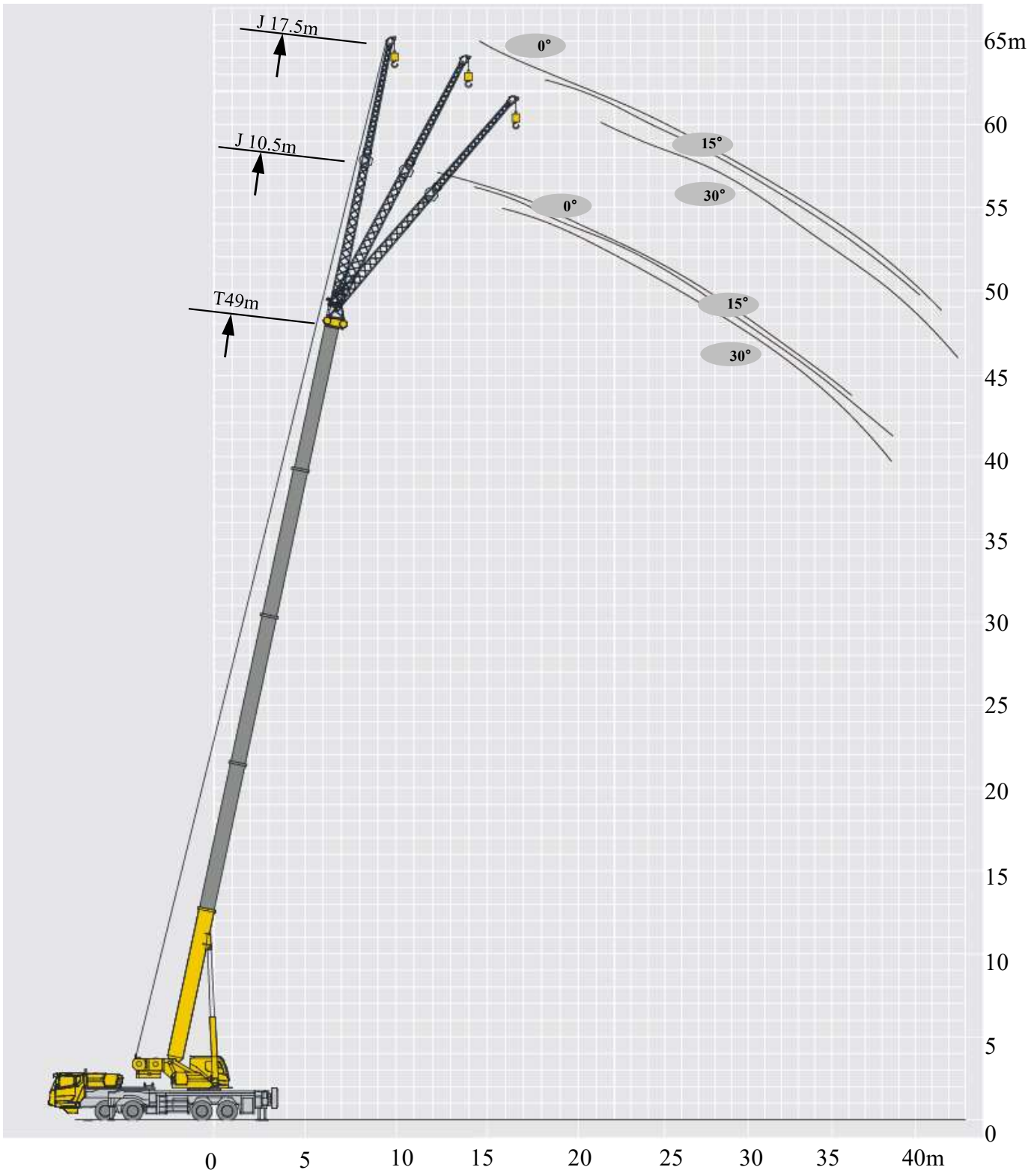




	12.7m	17.2m	19.5m	21.7m	24m	26.3m	28.6m	30.8m	33.1m	35.4m	37.6m	39.9m	42.2 m	44.5	49m	
3	78															3
3.5	70	120	120	120												3.5
4	69	63.8	37.4	46.4	93.0	97.0	91.7									4
5	52.4	51.0	34.8	45.4	36.8	29.1	35.3	55.4	57.6							5
6	34.3	33.2	32.6	32.6	34.8	27.4	34.8	28.1	20.1	36.2						6
7	24.7	23.8	27.0	23.3	25.9	25.3	25.2	26.6	18.8	25.4	27.8	29.1	27.1			7
8	18.9	18.1	20.9	17.6	19.9	21.9	19.3	21	17.8	20.3	17.9	14.1	16.2	22.1		8
9		14.2	16.8	13.7	15.9	17.7	15.3	16.8	16.7	16.2	17.1	13.3	16.2	12.3	17.3	9
10		9.2	11.6	8.8	10.7	12.3	10.2	11.6	12.8	11	12.1	12.2	11.6	11.8	11.1	10
12			8.4	5.8	7.6	9.1	7.1	8.4	9.5	7.9	8.9	9.8	8.4	9.2	8.8	12
14				3.8	5.5	6.9	5.0	6.3	7.3	5.7	6.7	7.6	6.2	7	6.6	14
16					4.0	5.4	3.5	4.7	5.7	4.2	5.2	6	4.7	5.5	5.0	16
18						4.2	2.4	3.6	4.6	3.1	4.0	4.8	3.5	4.3	3.9	18
20							1.5	2.6	3.6	2.2	3.1	3.9	2.6	3.4	2.9	20
22								1.9	2.9	1.4	2.3	3.1	1.9	2.6	2.2	22
24									2.3		1.7	2.5	1.3	2.0	1.6	24
26											1.2	2.0		1.5	1.1	26
28												1.5		1.1		28
30												1.2				30

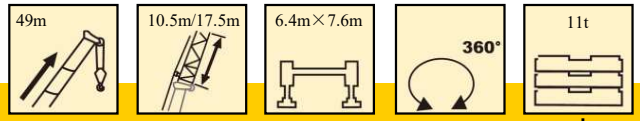
起升高度曲线图
Lifting heights

副臂
Jib

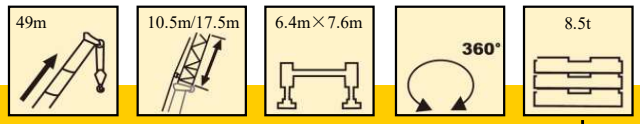


起重性能表
Lifting capacities

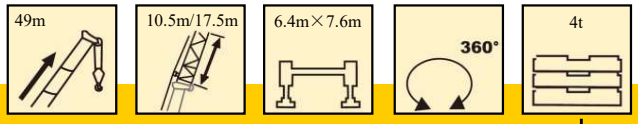
J 10.5m/17.5m



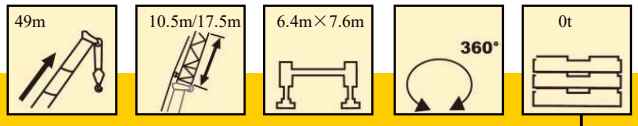
	10.5m			17.5m			
	0°	15°	30°	0°	15°	30°	
80	5	4	3.3	3.3	2.2	1.5	80
78	4.7	3.8	3.2	3	2	1.35	78
75	4.6	3.7	3	2.8	1.9	1.25	75
72	4.5	3.5	2.5	2.3	1.8	1.2	72
70	4.2	3.2	2.4	2	1.7	1.15	70
65	3.5	2.8	2	1.8	1.5	1	65
60	2.7	2.2	1.8	1.5	1.2	0.9	60
55	1.8	1.7	1.5	1.2	1	0.85	55
50	1	0.8	0.8				50



	10.5m			17.5m			
	0°	15°	30°	0°	15°	30°	
80	5	4	3.3	3.3	2.2	1.5	80
78	4.7	3.8	3.2	3	2	1.35	78
75	4.6	3.7	3	2.8	1.9	1.25	75
72	4.5	3.5	2.5	2.3	1.8	1.2	72
70	4.2	3.2	2.4	2	1.7	1.15	70
65	3.5	2.8	2	1.8	1.5	1	65
60	2.3	2.1	1.8	1.5	1.2	0.9	60
55	1.4	1.3	1.3	1	0.9	0.8	55
50	0.8	0.8	0.8				50

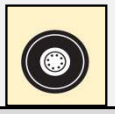
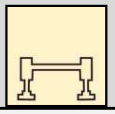
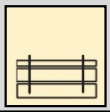
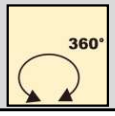


	10.5m			17.5m			
	0°	15°	30°	0°	15°	30°	
80	5	4	3.3	3.3	2.2	1.5	80
78	4.7	3.8	3.2	3	2	1.35	78
75	4.6	3.7	3	2.8	1.9	1.25	75
72	4.5	3.5	2.5	2.3	1.8	1.2	72
70	4.2	3.2	2.4	2	1.7	1.15	70
65	2.5	2.3	2	1.8	1.5	1	65
60	1.5	1.3	1.3	1	0.9	0.8	60
55	0.7	0.7	0.6	1.2	1	0.85	55



	10.5m			17.5m			
	0°	15°	30°	0°	15°	30°	
80	5	4	3.3	3.3	2.2	1.5	80
78	4.7	3.8	3.2	3	2	1.35	78
75	4.6	3.7	3	2.8	1.9	1.25	75
72	3.9	3.4	2.5	2.3	1.8	1.2	72
70	3.1	2.7	2.4	2	1.7	1.15	70
65	1.6	1.5	1.4	1.2	1	0.9	65
60	0.7	0.7	0.6				60

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

主要技术参数
Main Technical Data

类别 Category	项目 Item		单位 Unit	参数 Parameter
尺寸参数 Dimensions	外形尺寸（长×宽×高） Outline size（lengthx widthx height）		mm	14945×2790×3920
	轴距 Wheel base		mm	1500+4665+1500
	轮距（前/后） Track（Front/ Rear）		mm	2400/2336
	前悬/后悬 Front/ Rear overhang		mm	2466/2450（徐工汽车） 2479/2450(湖北齐星)
	前伸/后伸 Front/ Rear extension		mm	2284/80（徐工汽车） 2271/80(湖北齐星)
重量参数 Weight	最大允许总质量 Total vehicle mass in travel configuration		kg	45000
	轴荷 Axle load	一轴 1st axle	kg	10800
		二轴 2nd axle	kg	10800
		三轴 3rd axle	kg	11700
		四轴 4th axle	kg	11700
动力参数 Power	发动机型号 Engine model		——	WP12.375N
	额定功率/转速 Engine rated power/rpm		kW/(r/min)	276/1900
	最大净功率/转速 Max. net power/rpm		kW/(r/min)	274/1900
	最大输出扭矩/转速 Engine rated torque/rpm		N.m/(r/min)	1800/1000-1400
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	2.5~3
	最小转弯直径 Min. turning diameter		m	20
	臂头最小转弯直径 Min. turning diameter at boom tip		m	≤27
	最小离地间隙 Min. ground clearance		mm	335
	接近角 Approach angle		°	12
	离去角 Departure angle		°	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		%	48
	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)	≤88
	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	90
	最小额定工作幅度 Min. rated working radius			m	2.5
	转台尾部回转半经 Turning radius at turntable tail			mm	4540
	最大起重力矩 Max. load moment	基本臂 Base boom		kN.m	2876
		最长主臂 Fully-extended boom		kN.m	1623
		最长主臂+副臂 Fully-extended boom + Jib		kN.m	452
	支腿跨距 Outrigger span	纵向 Longitudinal		m	6.4
		横向 Lateral		m	7.6
	起升高度 Hoist height	基本臂 Base boom		m	12.9
		最长主臂 Fully-extended boom		m	49
		最长主臂+副臂 Fully-extended boom + Jib		m	66
	起重臂长度 Boom length	基本臂 Base boom		m	12.7
		最长主臂 Fully-extended boom		m	49
		最长主臂+副臂 Fully-extended boom + Jib		m	66.5
	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	≤115
	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	≤25
			放 Extending	s	≤30
		垂直支腿 Outrigger jack	收 Retracting	s	≤50
			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	135
		副起升机构 Auxiliary winch		m/min	90
噪声 Noise	机外辐射 Exterior noise level			dB（A）	122
	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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