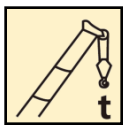


汽车起重机 / Truck Crane

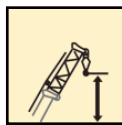
QY25KA_Y



25 t



34 m

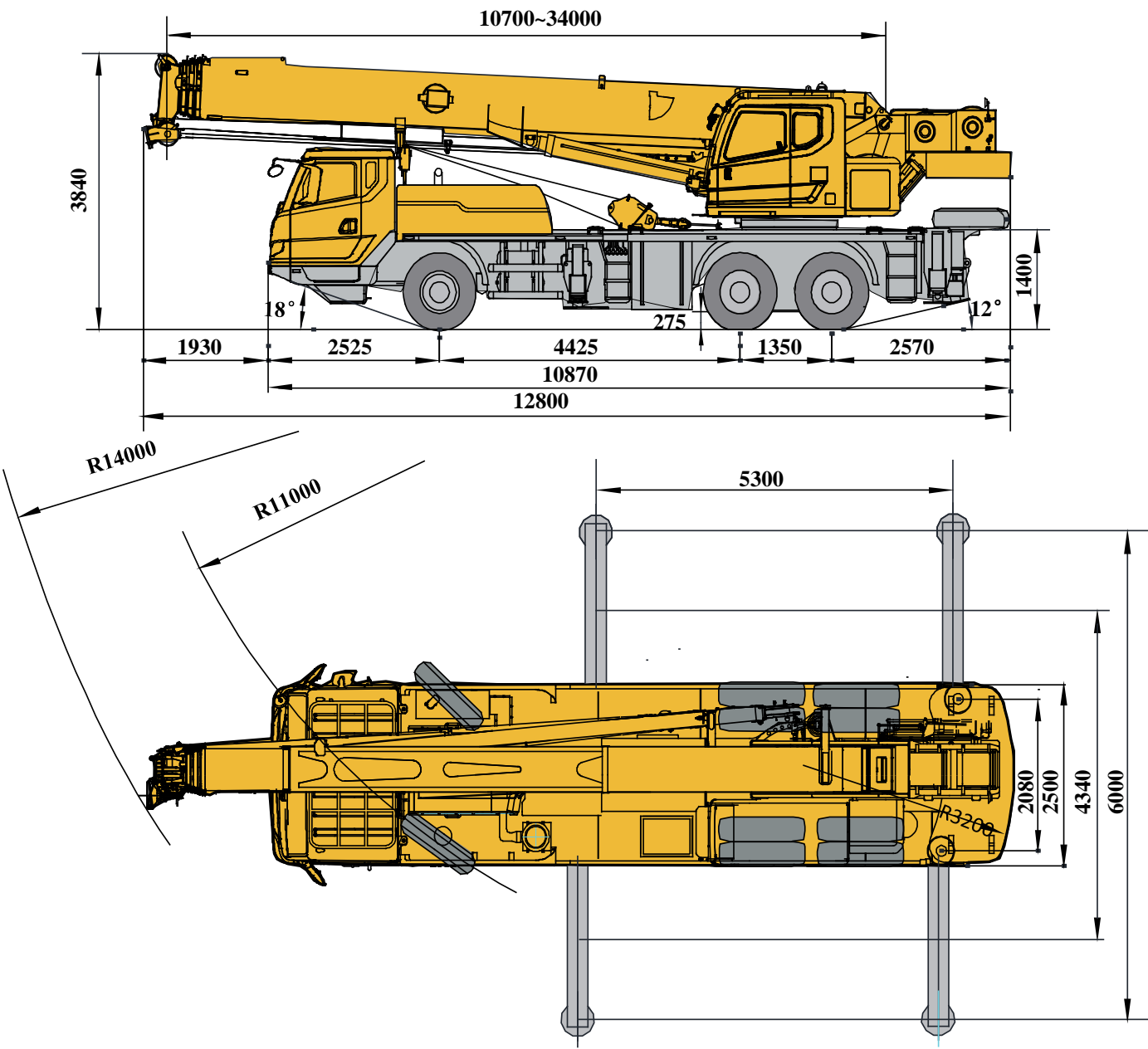


48m



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尺寸参数
Dimensions





技术规格

Technical specifications

	底盘
车架	徐工设计、制造，全覆盖式走台板，受力结构优化设计，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；垂直支腿带有液压双向锁。 支脚盘尺寸：φ400mm 最大起重量时支腿反力：318.2KN
发动机	SC9DF290Q3，直列六缸水冷电控柴油发动机，上海柴油机股份有限公司制造，额定功率213kW/2200rpm，最大扭矩1200Nm/1400rpm，国III排放标准。 燃油箱容积：250L。
变速箱	法士特9档变速箱，机械操纵，带同步器
车桥	徐州美驰高强度车桥，2、3桥驱动
悬挂	前悬架：纵置钢板弹簧悬架，筒式减振器；后悬架：橡胶悬架，V型推力杆。
轮胎	10个轮胎，1个备胎，前桥装单胎，中桥、后桥装双胎。轮胎规格：11.00-20
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轴车轮。 辅助制动：发动机排气制动和缓速制动。
转向	机械式转向机构，带有液压助力
驾驶室	右驾，钢结构全宽豪华驾驶室，全封闭，密封性好，防腐蚀、软化内饰，装备豪华舒适；乘员3人配置收放机、可调式座椅、简易卧铺、方向盘、安全玻璃、3只雨刷器、电动后视镜、电动门窗升降器、杂物箱、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28.5伏特-70安培。

	上车
结构	徐工设计、制造，高强度钢材制造。
液压系统	底盘发动机驱动三联泵，主泵为定量泵用于起升、变幅、伸缩。负载敏感控制多路换向阀；风冷式液压油散热器；液压油箱容积：490L
操纵方式	机械操纵系统，五个操纵杆控制起重机全部动作。
主起升机构	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	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；

	上车
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；最大回转速度≥2.5 r/min
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	按人机工程学设计，安全舒适，装有安全玻璃和顶部保护栏。车窗装有遮阳帘，外开式车门，可调式座椅。按人机工程学合理布局的标准操纵控制件和指示器，视野开阔，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，防止钢丝绳过放；臂头设置高度限位，防止钢丝绳过卷；
平衡重	3.9t，固定式配重

	臂架系统
主臂	4节，十二边形截面的筒形焊接结构，主臂长度10.7m～34m。
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
副臂	两节，箱型腹置副臂，具有5°、15°、30°三种固定副臂安装角；副臂长度：9m～14m

选装配置	
安全装置	三色报警灯、卷扬监视器、转台警示灯、角度指示器、ABS
驾驶室	驾驶室警示灯、倒车影像
轮胎	子午线轮胎11.00R20

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

技术规格

Technical specifications



Chassis

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	Four outriggers are arranged in H shape longitudinally, with outrigger beams and jacks hydraulically controlled by control levers. Control levers are located on both sides of the chassis, with a luminous level gauge equipped, with the fifth jack, and double-way valve is fitted in jack cylinder.Outrigger. float dimension: φ400mm Max. outrigger reaction force: 318.2KN
Engine	SC9DF290Q3 , in-line six-cylinder water-cooled EFI diesel engine, manufactured by Shanghai Diesel Engine Co., Ltd.,rated power 213kW/2200, max. torque 1200Nm/1400, the national V emission standards. Fuel tank capacity : 250L
Gearbox	FAST manually mechanical control , 9-speed available, synchronizer is equipped.
Alxes	High strength axle with reliable performance from Meritor. 2nd axle and 3rd axle for driving
Suspension	Front suspension: longitudinal leaf spring suspension with barrel shock absorber; Rear suspension: rubber suspension, V-type push rod
Tires	10 tires and 1 spare tire, front axle is equipped with single tire, middle axle and rear axle are equipped with double tire. tire.Tire specifications:11.00-20
Brakes	Service brake: double-circuit air pressure brake, acting on all wheels. Parking brake: spring energy brake, acting on wheels of 2-3 axles. Auxiliary brake: engine exhaust brake and engine in-cylinder brake.
Steer	Mechanically steering mechanism with hydraulic power assisted.
Driver's cab	Right-hand drive, full-dimension luxurious driver's cab with steel structure, two passengers are allowable, full closed, good sealing performance , anti-corrosion , and softening the interior. Equipped with radio, adjustable seats, simple sleeper , steering wheel, safety glasses, electrically controlled windshield washer, electrically operated rearview mirror , electrically operated door window and glove box Heater and air conditioner are available.
Electric	24V(DC),2 battery in series. Generator:28.5±0.3V,70A



Superstructure

Frame	Designed and manufactured by XCMG; made of high-strength steel
Hydraulic system	Triple pump is driven by the engine. constant delivery pump is used for lifting, elevating, telescoping and slewing; Load sensitive proportional multi-way change valve, air-cooled hydraulic oil radiator; Volume of hydraulic oil tank: 490L
Operating mode	Mechanism system, All crane movements are controlled by 5 control rods.
Main winch system	Driven by hydraulic motor through planetary gear reducer, and built-in normally closed brake and counterbalance valve are available.
Auxiliary winch system	Driven by hydraulic motor through planetary gear reducer, and built-in normally closed brake and counterbalance valve are available.
Slewing system	Four-point ball contact slewing ring. Slewing system is driven by hydraulic motor, with planetary gear reducer, for 360° continuous rotation, stepless slewing speed regulation is available. Horn button is equipped on the control lever. Max. slewing speed: ≥2.5 r/min
Elevating System	Single-supported double acting front-mounted hydraulic elevating cylinder, with balance valve equipped
Operator's cab	It is equipped with safe glass and roof protective guards. Sun visor for windows, swing-out door and adjustable seat are available. Standard controls and indicators are ergonomically arranged in the cab with better view. Air-conditioner and heater are equipped.
Safety devices	Hydraulic balance valve; Hydraulic relief valve; Double-way hydraulic valve; LMI; spring aligning device for joystick; Lowering limiter for preventing wire rope from over-releasing; Anti-two block at boom head for preventing wire rope from over-winding;.
Counterweight	3.9t, fixed counterweight

技术规格

Technical specifications



Boom system

Boom	Four-section boom with bi-hexagonal cross section of tube-shaped welding structure. Boom length of 10.7m~34m
Single top	Fitted at boom head, used for single line operation.
Jib	With two box-type , jib under boom structure has two sections, Three offset angles of 5° , 15° and 30° . Fixed jib length: 9m/14m

Additional equipment

Safety device	Tricolor alarm lamp、 Winch view cameras、 Caution lamp、 Angle indicator、 ABS
Driver's cab	Beacon lamp 、 Reverse image
Tires	11.00R20

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

重量
Weight






车桥 Axle	1	2	3	总重量 Total weight
t	7.4	11.1	11.1	29.6








吊钩 Hook	倍率 No. of lines	吊钩重量 Weight kg	吊钩尺寸 Dimensions mm	备注 Remarks
30t	10	297	1175×486×450	单钩 Single hook , 标配 Standard
20t	7	220	1113×450×305	单钩 Single hook , 标配 Standard
3t	1	70	920×240×240	单钩 Single hook , 标配 Standard

作业速度
Working speeds



		
11.00-20、11.00R20	1 ~ 90	41%



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
	0-130 m/min , 单绳 , 第四层 m/min, single line, 4th layer	30 kN	14 mm/155 m
	0-130 m/min , 单绳 , 第四层 m/min, single line, 4th layer	30 kN	14 mm/105 m
	0-2.5 r/min		
	从-1°抬起至81°约35s Approx. 35s for boom elevation from -1° to 81°		
	从10.8m伸出至34m约55s Approx. 55s for boom extension from 10.8m to 34m		

臂架组合方案
Boom / Jib combinations

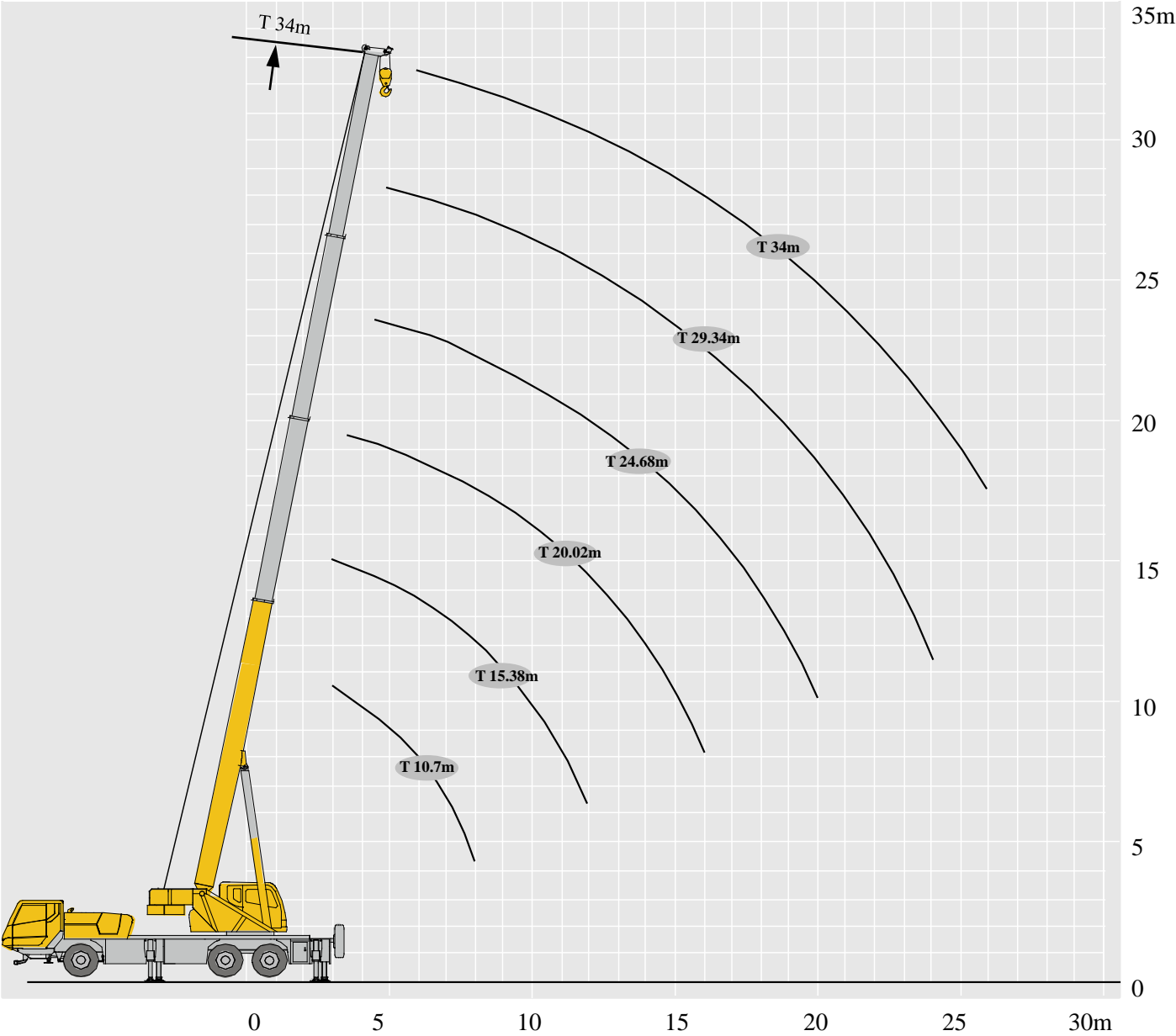


主臂
Telescopic boom

T : 10.7~34m

副臂
Jib



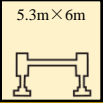


T : 34m
J : 9 m,14m

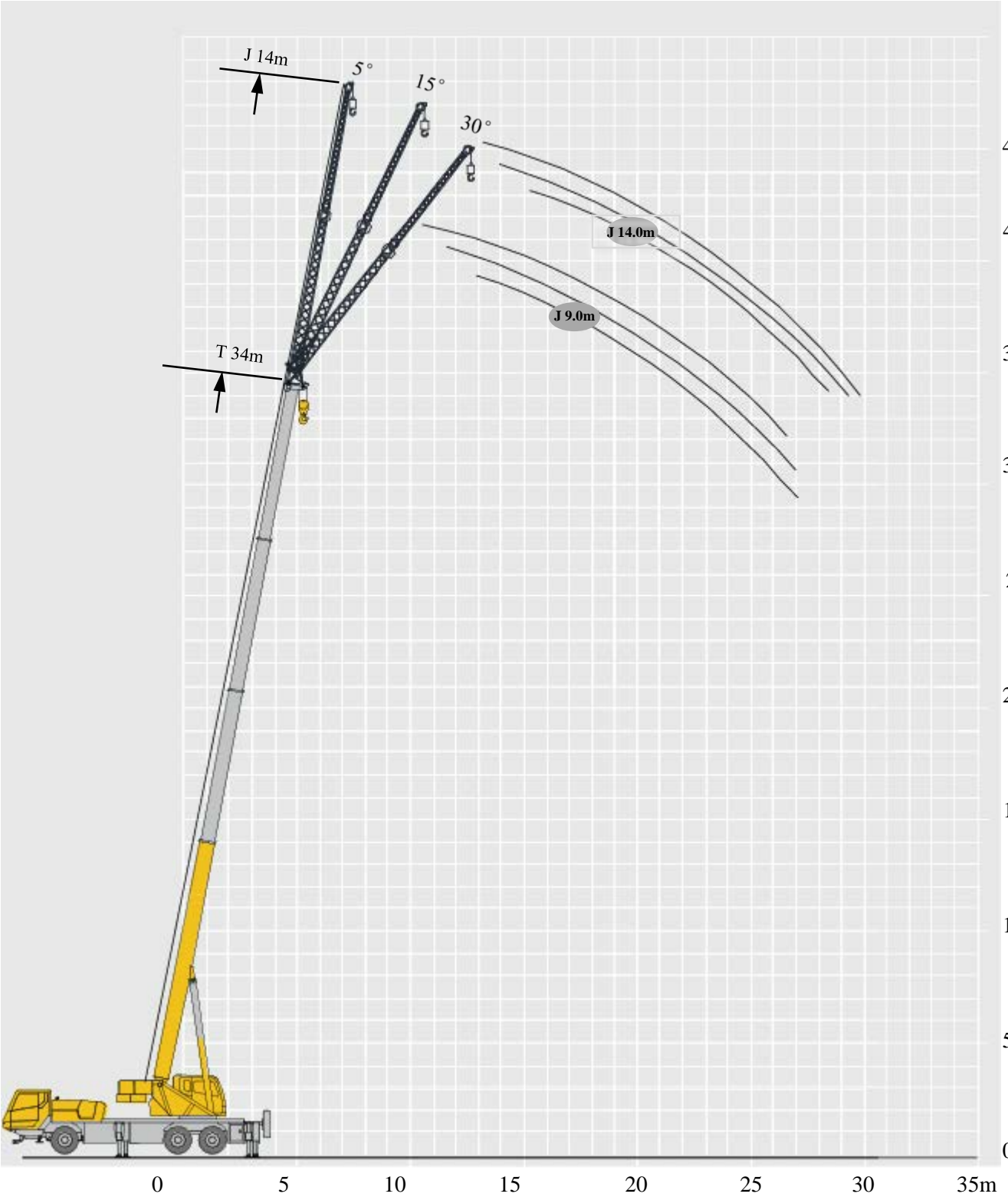


起重性能表

Lifting capacities

T 10.7~34m


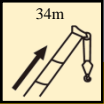
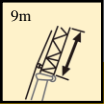
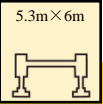


<div><div></div><div></div><div></div><div></div><div></div></div>							
	10.7m	15.36m	20.02m	24.68m	29.34 m	34m	
3	25000	20000					3
3.5	25000	20000	18000				3.5
4	25000	20000	18000				4
4.5	23600	20000	17500	12000			4.5
5	20600	20000	17000	12000			5
5.5	18400	19000	16000	12000	9000		5.5
6	16400	16600	15000	11500	9000		6
7	13600	13700	12500	10200	9000	7500	7
8	11200	11200	11000	9000	8200	7000	8
9		9200	9400	8200	7500	6500	9
10		7700	7900	7500	6800	6000	10
12		5600	5800	6000	5800	5000	12
14			4500	4600	4700	4200	14
16			3400	3600	3700	3800	16
18				2900	2900	3000	18
20				2300	2400	2400	20
22				1800	1900	2000	22
24					1500	1600	24
26					1200	1300	26
28						1000	28
30						800	30



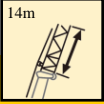
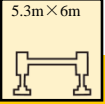




起重性能表

Lifting capacities



T 34m

	<div><div>34m</div><div>9m</div><div>5.3m×6m</div><div>360°</div></div>			
	5°	15°	30°	
78	3000	2700	2000	78
75	2800	2400	1800	75
72	2600	2100	1700	72
70	2400	1900	1600	70
65	2000	1700	1500	65
60	1600	1500	1400	60
55	1300	1300	1300	55
50	820	800	780	50
45	600	580	550	45

	<div><div>34m</div><div>14m</div><div>5.3m×6m</div><div>360°</div></div>			
	5°	15°	30°	
78	1650	1300	1000	78
75	1550	1200	950	75
72	1450	1100	850	72
70	1300	1050	800	70
65	1150	950	700	65
60	950	850	650	60
55	850	750	600	55
50	720	650	550	50

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		卷扬 Winch
	副臂起升高度 Hoist height with jib		使用第五支腿360°全回转 360° rotation with 5th jack
			不使用第五支腿侧后方作业 Over side or over rear of the crane

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/m2).
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.