

SANY[®]

SPECIFICATION



40t



43.5m



52m

STC400T5

SANY TRUCK CRANE

QUALITY CHANGES THE WORLD

www.sanyglobal.com

V1.2

It is one of the core business units in SANY Group, specializing in the development and manufacturing of high-end wheel cranes, crawler cranes and tower cranes, including the complete range of wheel cranes from 8 to 2400t, crawler cranes from 25 to 4500t and tower cranes from 6 to 185t.

三一集团旗下核心事业部，从事高端轮式起重机、履带起重机、塔式起重机系列产品的研发制造。覆盖8-2400吨全吨位轮式起重机，25-4500吨全吨位履带起重机，6-185吨塔式起重机。



SANY CRANE



SANY TRUCK CRANE STC400T5 / 40T LIFTING CAPACITY

Excellent load capacity 性能卓越

43.5m full-extension 5-section large U-shape profile boom, 8m jib, max. lifting height 52m and max. lifting moment 1240kN.m.

5 节臂, 大截面 U 型主臂, 主臂全长 43.5m, 副臂全长 8m,
最大起吊高度 52m, 最大起重力矩达 1240kN.m。



Double pump intelligent flow distribution system

双泵智能流量分配系统

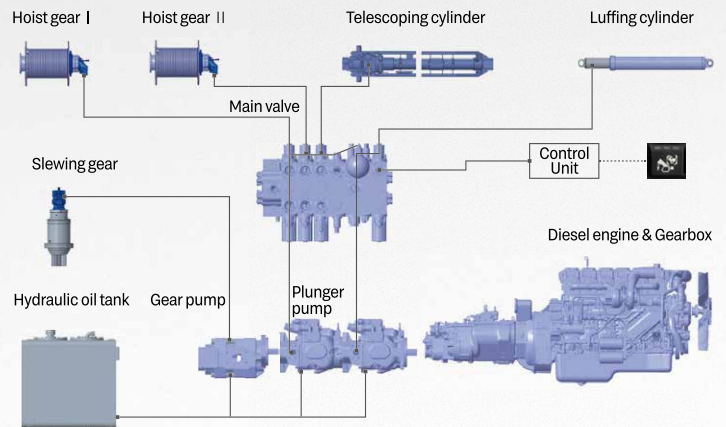
Adopt stable and high quality oil pump, motor and motor, the min. winch single rope speed is less than 1.5m/min, the min. stable slewing speed is less than 0.1°/s, easy to realize mm-level high precision operation.

New double pump intelligent flow distribution system, independent luffing, confluent telescoping, combined motion stability increased by more than 50%.

The electro-hydraulic control system can save 15% energy and also improve the efficiency of heavy load operation by 30%.

采用稳定、高品质的油泵、马达，卷扬单绳最低速度小于 1.5m/min，回转最低稳定小于 0.1°/s，轻松实现毫米级吊装。

全新开发双泵智能流量分配系统，变幅独立，伸臂合流，复合动作平稳性提升 50% 以上。电液复合系统使上车吊载综合节能 15%，重载作业效率提升 30%。



Strong bearing chassis

高承载能力底盘

Brand new 2.55m wide chassis, high-strength rectangular cross-section frame, improving torsion and bending resistance.

DF Cummins 340 high horsepower engine, 9-speed FAST transmission with emergency steering, HANDE heavy-duty axle, the max. gradeability of 45%, fuel consumption ≤40L per 100 km.

The front axle is equipped with new large-size disc brake, which can increase the braking torque by 11%, reduce heat and make it more reliable.

385 large-size steel wire tires, ground clearance 415mm with good accessibility.

Equipped with 300L large volume fuel reservoir, the endurance mileage is even higher.

全新2.55m宽底盘，高强度矩形截面车架，提升吊载抗扭抗弯能力。

东康340大马力发动机、法士特9档带应急转向变速箱、汉德重载车桥，动力强劲，最大爬坡度≥45%，百公里综合油耗小于40L。

前桥配置全新大尺寸盘式制动器，制动力矩加大11%，发热少，更可靠。

385大尺寸高承载钢丝胎，离地间隙415mm，通过性好。配置300L大容积燃油箱，续航能力强。

SANY TRUCK CRANE STC400T5 / 40T LIFTING CAPACITY



i-Cab - Driver's cab

新两室 - 下车

Multi-function seat with air suspension, making driving more comfortable.
Double seats and foldable berth for the co-driver.
12.1-inch LCD screen integrated with back-up image and multi-media.
Electric rearview mirror with electric heating, ensuring good field of view in foul weather.
Adjustable high-brightness LED headlamps/fog lamps, providing clear vision at night.
Reversing sensor with accurate distance detection capability, fully covering the parking area without blind spots, and effectively avoiding scratch and collision.
Full-automatic HVAC, able to automatically adjust indoor temperature as demanded.

主驾驶位配备气浮多功能座椅, 驾驶更舒适。
副驾驶位设置双座椅可折叠式卧铺。
12.1 寸液晶触摸大显示屏, 集成倒车影像、语音娱乐功能。
电动、电加热后视镜, 不惧怕恶劣冰雪天气。
高亮度可调节 LED 大灯 / 雾灯, 提供夜间清晰视野。
倒车雷达, 探头后方无死角, 精准探距, 防碰防撞。
全自动冷暖空调, 自动根据需求调整室内温度。





i-Cab - Operator's cab

新两室 - 上车

Seat widened to 480mm, and leg room increased by 30%.

Cab tiltable by 0-20°, relieving cervical fatigue during large-angle and long-boom operations. Adjustable seat with maximum inclination of 140°, allowing the operator to lie flat and rest after work.

Functional panel and left & right armrest motion panels arranged modularly, easy to reach and operate.

70° openable front window convenient for ventilation and escape.

Curved-track sliding door, more convenient for getting on/off the cab and opening/closing the door.

Full-automatic HVAC, able to automatically adjust indoor temperature as demanded.

座椅加宽至 480mm，腿部活动空间较上一代增加 30%。

操纵室可实现 0-20° 上仰变位，在大角度、长臂段作业时，可减缓颈椎疲劳。

可调式座椅，最大后仰 140°，让操作手可以平躺休息。

配备功能面板及左右扶手箱动作按键面板，触手可及，方便操控。

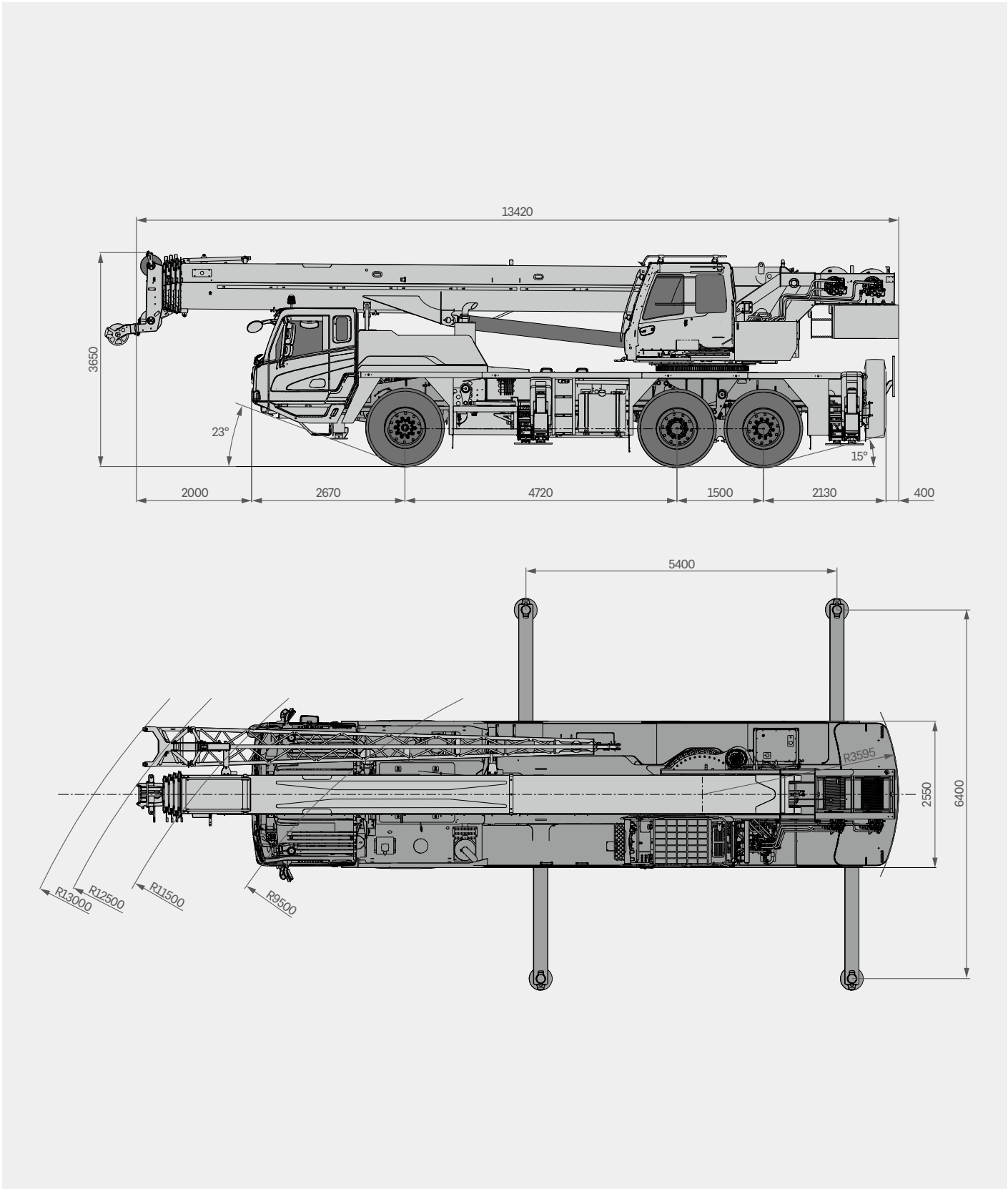
70° 可开启式前窗，方便通风及逃生。

变轨滑移门，上下车、开关门更方便。

全自动冷暖空调，自动根据需求调整室内温度。

Overall Dimensions

整机尺寸



Technical Specification

整机参数

CATEGORY 类型	ITEM 项目	UNIT 单位	VALUE 参数	
CAPACITY 额定起重量	Max. lifting capacity 最大起重量	t	40	
WEIGHT 重量	Gross weight 整机总质量	kg	35000	
POWER (CHASSIS) 发动机参数 (下车)	Engine model 发动机型号 (排放标准)	-	DF Cummins ISLe340 30 (Euro III) 东康ISLe340 30(欧三)	
	Max. engine power 发动机最大功率	kW/rpm	250/2100	
	Max. engine torque 发动机最大输出扭矩	N·m/rpm	1425/1100-1400	
DIMENSIONS 尺寸参数	Overall length 整机全长	mm	13420	
	Overall width 整机全宽	mm	2550	
	Overall height 整机全高	mm	3650	
TRAVEL 行驶参数	Max. travel speed 最高行驶速度	km/h	80	
	Steering radius 转弯半径	Min. steering radius 最小转弯半径	m	9.5
		Min. steering radius of boom tip 臂头最小转弯半径	m	13
	Wheel formula 车轮模式	-	6 × 4	
	Min. ground clearance 最小离地间隙	mm	415	
	Approach angle 接近角	°	23	
	Departure angle 离去角	°	15	
	Max. gradeability 最大爬坡度	-	45%	
Fuel consumption per 100km 每 100 公里油耗	L	≤40		
MAIN PERFORMANCE 主要性能参数	Working temperature range 使用温度区间	℃	-20~+45	
	Min. rated lifting radius 最小额定幅度	m	2.5	
	Tail slewing radius 转台尾部回转半径	m	3.6	
	Boom sections (Qty.) 臂节数	-	5	
	Boom shape 臂形状	-	U shape U型	
	Max. lifting moment 最大起重力矩	Basic boom 基本臂	kN·m	1240
		Full-extension boom 全伸主臂	kN·m	800
		Full-extension boom + jib 全伸主臂 + 副臂	kN·m	408
	Boom length 臂长	Basic boom 基本臂	m	11.1
		Full-extension boom 全伸主臂	m	43.5
		Full-extension boom + jib 全伸主臂 + 副臂	m	51.5
	Max. lifting height 最大起重高度	Basic boom 基本臂	m	11.6
		Full-extension boom 全伸主臂	m	44
Full-extension boom + jib 全伸主臂 + 副臂		m	52	
Outrigger span (Longitudinal × Transverse) 支腿跨距 (纵 × 横)	m	5.4 × 6.4		
Jib offset 副臂安装角度	°	0, 15, 30		
AIRCONDITIONER 空调	In operator's cab 上车空调	-	Heating & Cooling 制冷、制热	
	In driver's cab 下车空调	-	Heating & Cooling 制冷、制热	

Technical Specification

整机参数



Axle Load 轴荷

Axle 轴	1	2	3	Gross weight 总重量
Axle load 轴荷 /kg	11000	12000	12000	35000



Hook 吊钩

Rated load 额定 /t	Number of sheaves 滑轮数量	Rope rate 倍率	Hook weight/kg 吊钩重量
30	4	8	320
5	0	1	85



Operations 主要动作参数

Item 项目	Max.single rope lifting speed (empty load) 单绳速度 (空载)	Rope diameter/length 钢丝绳直径 / 长度	Max. single line pull 最大单绳拉力
Main winch 主卷扬	135m/min	Φ16mm/195m	4t
Auxiliary winch 副卷扬	135m/min	Φ16mm/110m	4t
Slewing speed 回转速度	0~2.7r/min		
Full luffing up/down time of boom 主臂起落幅时间	35s/45s		
Full extension/retraction time of boom 主臂伸缩时间	90s/95s		
Outrigger jack 垂直支腿	Extension 伸	25s	
	Retraction 缩	30s	
Outrigger beam 水平支腿	Extension 伸	20s	
	Retraction 缩	25s	

Crane Introduction

整机介绍

Carrier 下车

Driver's cab 驾驶室

- New-gen i-Cab loaded with all new operation system and keyless entry delivers optimal driving comfort. 7" HD LCD instrument, 12.1" super large screen, multi-functional steering wheel and electric A/C are configured. Air suspension driver's seat, double co-driver seats, widened berth and abundant space for storage are provided. The five-in-one multi-functional lock and openable front cover offer more convenience. New suspension system further ensures driving comfort.
- 全新“领致”智能两室，全新操作系统，轿车级极致体验，下车7寸高清液晶组合仪表，12.1寸超大屏，多功能方向盘，无钥匙进入，电动空调。空气悬浮座椅，双人副驾，超宽卧铺，丰富储物空间，整车五锁合一，可开启式前面罩，新一代悬置系统。

Carrier frame 车架

- The anti-torsion box-type structure welded by high-strength steel with strong bearing capacity.
- 三一设计、制造，由细晶粒高强度钢板焊接而成的防扭转箱形结构，承载能力强。

Chassis engine 底盘发动机

- Model: DF Cummins IsLe340 250kW inline six-cylinder diesel engine with watercooler and inter cooler.
- Emission standard: Euro III.
- Fuel reservoir capacity: 300L.
- 型式：东康 IsLe340 250kW 直列六缸、水冷却、增压中冷、柴油发动机。
- 环保性：排放符合欧三标准。
- 燃料箱有效容积：300L。

Transmission 变速箱

- 9-speed manual transmission with synchronizer, large speed ratio range, adaptable to slope climbing and high-speed traveling.
- 9 档手动变速箱带同步器，速比范围大，即可满足低速场地爬坡行驶又可满足高速行驶。

Transmission shaft 传动轴

- Optimized layout, higher torque output via contrate gear connecting transmission shaft cardan.
- 优化的传动轴布置，传动轴传动平稳、可靠。最优化力传输，采用端面齿联结传动轴，传递扭矩较大。

Axle 车桥

- All-axle steering, axles 2, 3 are drive axles with built-in differential lock, realizing tougher ability to rough-terrain travelling. Press-welding axle housing technology, bearing capacity is stronger.
- 1、2、3 轴为转向轴，2、3 轴为驱动轴，带有轮间和轴间差速，脱困能力强；冲焊桥壳工艺，承载能力更强。

Suspension system 悬挂系统

- The suspension of all axles is realized by independence leaf spring.
- The system's strength is verified by 100,000 cycling fatigue tests, hence ride comfort is out of question.
- 前、后轴采用独立式钢板弹簧。
- 悬挂系统经过超过 10 万次的疲劳试验，保证强度的同时兼顾乘坐的舒适性。

Steering 转向系统

- Hydro boosted steering system adopts large flow steering gear + steering power cylinder, which can greatly reduce steering resistance and realize easier operation. In the mode of all wheel steering, the steering radius can be reduced to driver's need.
- 液压助力转向，采用大流量转向器 + 转向助力油缸，大大减小转向阻力，转向更轻便。全轮转向模式，转弯半径更小。

Tires 轮胎

- Seven radial vacuum tires sized 385/95R25, strong bearing capacity and durability.
- 7（轮胎数）—轮胎规格：385/95R25，钢丝真空轮胎，承载能力大，耐用。

Wheel formula 车轮模式

- 6 × 4 × 6.

Outrigger 支腿

- H-type layout, four point support with high strength steel plate, hydraulically telescoping at horizontal and vertical directions. Jack cylinders are protected by two-way hydraulic lockout.
- H 型支腿 4 点支撑，纵、横跨距 5.4m × 6.4m，易操作、稳定性强；采用细晶粒高强度钢板材料，全液压双向伸缩。支腿垂直油缸采用双向液压锁进行安全保护。

Brake 制动系统

- The braking system includes service brake & parking brake & emergency brake & assisting brake.
- Service brake: air servo, dual circuit; front axle adopts disc brake and dual chambers, delivering stronger braking performance.
- Parking brake: functioning at axles 2 and 3 by spring-loaded air chamber.
- Emergency brake: performed by accumulator releasing pressure.
- Assisting brake: engine exhaust brake, safety assured when driving down long slopes.
- 制动系统包括行车制动、驻车制动、应急制动和辅助制动。
- 行车制动采用双回路制动系统，所有车轮均用空气伺服制动器，前桥采用盘式制动器 + 双气室，制动能力更强。
- 驻车制动是通过气室内弹簧作用在第二、三桥上。
- 应急制动阀由蓄能器储能断气制动兼做应急制动。
- 辅助制动为缸内制动，保证在下长坡时的制动安全，保证行车的安全可靠。

Electrical system 电气系统

- 2*12V maintenance-free battery with a mechanical power switch, the overall power can be cut off manually. CAN instrument, data integration between superstructure and chassis.
- 2 × 12V 免维护蓄电池，配有机械式电源总开关，可手动切断整车电源；总线控制系统，可实现上下车信息交互。

Crane Introduction

整机介绍

superstructure 上车

Operator's cab 操纵室

- It adopts pressed and welded structure, equipped with safety glass, sun shade, outward opening door, joystick mounted on the control box in line with the principle of man-machine engineering; Corrosion-resistant FRP reinforced structure, fully covered softened interior, panoramic skylight, operator seat back tiltable and other use-friendly design, making it comfortable and easy to operate. Touch screen of adjustable angle of view realizes multi-screen & multi-angle monitoring to ensure working safety and the one-click operation. The main control console is combined with the operation display system for convenient operation. Cooling / heating A/C available.
- 采用冲压成型的全焊接结构，装有安全玻璃，车窗装有遮阳帘，外开式车门，操纵杆安装在操纵箱上，符合人机工程原理；防腐玻璃钢强化复合结构、全覆盖软化内饰、全景式天窗、操作手座椅靠背可倾斜定位等人性化设计，操作舒适、轻松；触摸式显示屏，视角可调节、多画面、多角度监控保证作业安全，满足一键式操作；主控台与操作显示系统有机结合，人机交互方便快捷；配备冷暖空调。

Boom & Telescoping System 伸缩系统

- The boom structure adopts high strength steel plate and five U-shaped sections with high stability; Full-extension length of boom is 43.5m, jib length of 8m, lifting height of full-extension boom is 52m; boom telescopes via double cylinders with rope arranger.
- 五节臂，全伸臂长 43.5m，副臂 8m，主臂全伸起升高度 44m，带副臂最大起升高度 52m。由高强度焊接结构钢制成，U 形截面，双缸 + 绳排伸缩方式。

Hoist 起升机构

- It adopts fixed motor to make the operation speed more efficient.
- Normally closed type winch brake, winch balance valve coupled with exclusive anti-slip tech contribute to smoother hoisting.
- 320kg main hook with 30t max. lifting capacity, 85kg auxiliary hook with 5t max. lifting capacity.
- Main winch wire rope: Left-hand wire rope 16-4V × 39S-5FC-1960-U-zSGB8918-L195m.
- Auxiliary winch wire rope: Left-hand wire rope 16-4V × 39S-5FC-1960-U-zSGB8918-L110m.
- 采用定量马达，作业速度高效。
- 常闭式卷扬制动器，卷扬平衡阀与独特的防溜钩技术完美结合，重物起落平稳。
- 主钩：320kg，最大吊重量为 30t，副钩：85kg，最大吊重量为 5t。主卷钢丝绳。
- 主卷钢丝绳：钢丝绳 16-4V × 39S-5FC-1960-U-zSGB8918-L195m。
- 副卷钢丝绳：钢丝绳 16-4V × 39S-5FC-1960-U-zSGB8918-L110m。

Luffing system 变幅系统

- Passive luffing down with balance system, reducing energy cost yet raising stability.
- Luffing angle: -2°~80°.
- 采用自重落幅系统，降低能耗，提高落幅操作的平稳性。
- 变幅角度：-2°~80°。

Slewing 回转系统

- 360° slewing and max. slewing speed 2.7r/min, hydraulic proportional speed regulation. Unique slewing buffer design makes the braking more stable.
- 360° 回转最大回转速度 2.7r/min，采用电控比例调速控制，动作稳定，系统可靠；独特的回转缓冲设计，制动更平稳。

Hydraulics 液压系统

- High quality oil pump, motor, valve and other key hydraulic components, to ensure the stability and reliability of the hydraulic system. The main valve functions flow compensation and load feedback control to easily realize stable control of single action and combined actions under various working conditions.
- The winch adopts high quality motor to make the operation more reliable; The max. speed of main and auxiliary single rope lifting speed is ≥135m/min. The new hydraulic variable slewing system is adopted to make the slewing start & control more stable and the inching performance more excellent.
- It adopts the load-sensing variable piston pump to adjust the displacement in real time, realizing high-precision flow control, and greatly reducing energy loss.
- New shared double pump intelligent flow distribution system, can adopt independent luffing to avoid the interference of other operations, greatly improved combined action control. At the same time, the valve compensation technology is adopted, so that the flow can be distributed according to demand, which can improve the inching performance and control performance to meet precise lifting.
- Dynamically compensated passive luffing down: Active luffing down at large elevation, and passive luffing down at small elevation. This technology can automatically limit the speed to ensure constant speed and smoothness.
- The slewing system comes with an integrated slewing buffer valve and free swing mechanism, featuring smooth start and excellent inching-movement.
- 采用稳定、高品质的主油泵、主阀、卷扬马达、回转马达、平衡阀等关键液压件，系统可靠性高；通过精确的参数匹配，操控性能优越主阀具备流量补偿、负载反馈控制功能，能在各种工况下，轻松实现单个动作和组合动作的稳定控制。
- 卷扬采用高品质马达，作业可靠；主副卷扬单绳最大速度达 ≥135m/min。采用新型液控变量回转系统，回转启动和控制更为平稳，微动性更卓越。
- 负载敏感系统：采用大流量双联变量柱塞泵、流量充足但无浪费，作业高效、节能环保。
- 智能流量分配：使用全新智能流量分配主阀，组合动作时变幅独立，不受其他动作干扰，大幅提升组合动作操控性。采用阀后补偿技术，流量按需分配，微动性和操控性卓越，满足各种精准吊装。
- 功率管理：全新动力匹配及功率控制，四档取力，节能降噪。
- 动态补偿自重落幅技术：大仰角时加压落幅，小仰角时自重落幅，采用流量补偿技术可自动限速，保证落幅匀速平稳。
- 集成回转缓冲控制：融合升压缓冲、顺序制动及自由回转技术，回转启停柔和平稳。

Crane Introduction

整机介绍

Counterweight 配重

- Fixed counterweight 6.2t.
- 固定配重 6.2t。

Control system 控制系统

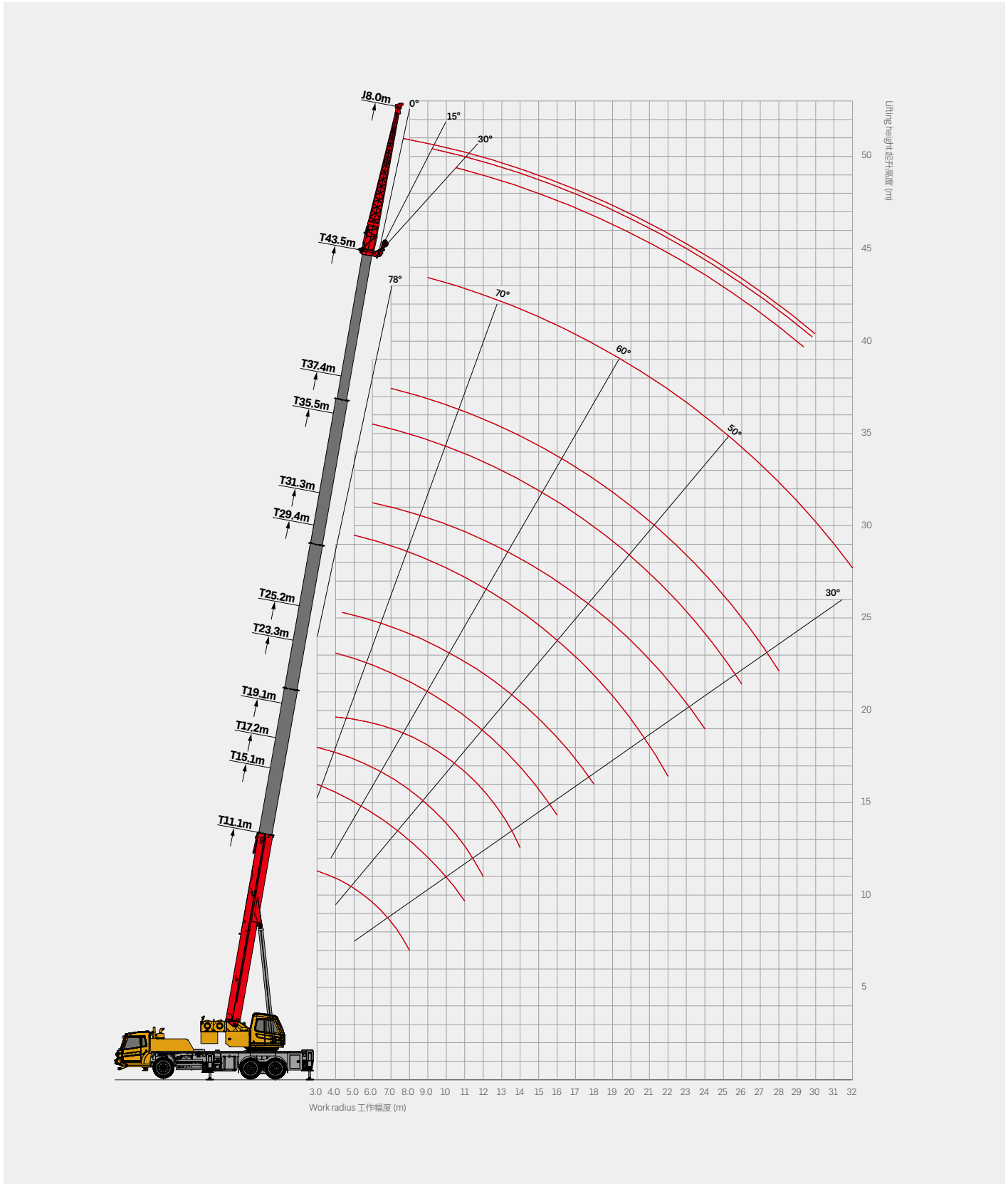
- High-precision LMI display offers multi-dimensional and all-round safety guarantee.
- Controllers, displays, meters, I/O modules, sensors, etc. are integrated in CAN Bus networking, fast-responsive and intelligent.
- Smart controllers, BCM control modules, fault self-diagnosis system, care free when operating.
- Specialized battery pack, achieving intelligent distribution and control of vehicle power.
- ROOTCLOUD, intelligent monitoring of the machine's movement trajectory and working conditions, functioning statistical analysis and big data management.
- 高精度力矩显示，多维度安全检测，全方位安全保障。
- 控制器、显示器、仪表、I/O 模块、传感器等采用 CAN 总线组网，高速智能。
- 智能控制器，BCM 控制模块、故障自诊断系统，作业更省心。
- 专用电瓶仓，整车电量智能分配和控制。
- 树根互联，智能监控主机运动轨迹、吊载工况，统计分析及大数据管理。

Safety equipment 安全装置

- Load moment indicator: Based on the loading mechanics model, the LMI system is established in the method of analytical mechanics. Through online empty-load calibration, the rated hoisting accuracy can reach $\pm 3\%$ to fully protect the hoisting operation.
- The hydraulic system is equipped with hydraulic balance valve, overflow valve, two-way hydraulic lock, etc. to realize the stability and reliability of the hydraulic system.
- The main and auxiliary hoists are equipped with 3rd wrap indicator to prevent over-hoist-down of the wire rope.
- Boom head and jib head are equipped with A2B limit switch to prevent the wire rope from over winding.
- The length & angle sensor and pressure sensor are equipped to display the operating status of the crane in real time, automatically cut off dangerous actions, and give a buzzer alarm.
- 力矩限制器：采用分析力学方法，建立了基于吊重力学模型的力矩限制器计算系统，通过在线空载标定，额定吊重精度达到 $\pm 3\%$ ，全方位保护吊载作业；超载作业时，系统自动报警提示，为操纵作业提供安全保障。
- 液压系统配置液压平衡阀、溢流阀、双向液压锁等元件，实现液压系统稳定可靠。
- 主、副卷扬配置三圈保护器，防止钢丝绳过放。
- 主、副臂端配置高度限位器，防止钢丝绳过卷。
- 配置长度角度传感器、压力传感器，实时显示起重机作业状态，自动切断危险动作，蜂鸣报警。

Operating Range

起升高度曲线











Load Chart - Telescopic Boom

性能表 - 主臂

Unit: kg



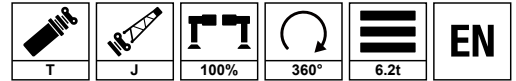
	11.1m	17.2m	23.3m	29.4m	35.5m	41.6m	47.7m	53.8m	59.9m	66.0m	72.1m	78.2m	84.3m	90.4m	96.5m	102.6m	
2.5	*40000																2.5
3	30000	19600				25000											3
3.5	25000	19600				25000											3.5
4	25000	19600	19200			24500	19600						21000				4
4.5	25000	19600	19200			24000	19600						20500	19000			4.5
5	24500	19600	18800			23500	19600	17500					20200	19000			5
5.5	23000	19600	18800	12000		22000	19600	17500					19500	19000			5.5
6	21000	19600	18800	12000		20500	19600	17500					19000	18000	15000		6
6.5	19400	19000	17900	12000		18800	18500	17500	11500				18000	17000	15500		6.5
7	17400	17500	17200	12000	8500	17000	17500	16800	11500				16000	16200	14200	10500	7
8	13800	15100	14600	11500	8500	13800	14500	14500	11500	8000			13500	13500	13000	10200	8
9		12500	12800	11000	8300	11100	12000	12200	11000	8000	10900		11500	11900	10200	7500	9
10		10400	10900	9800	8000	9200	10000	10300	10400	7800	9000		9600	10100	9400	7500	10
11		8800	9300	8900	7500	7700	8500	8800	9100	7500	7400		8100	8600	8700	7000	11
12		7600	8000	8200	7100		7300	7600	8000	7100	6300		6900	7400	7600	6800	12
14			6200	6400	6300		5500	5800	6100	6200	4600		5200	5600	5800	5700	14
16			4900	5100	5200		4200	4500	4800	5000	3200		3900	4300	4500	4600	16
18			3900	4100	4300		3300	3500	3800	4000			2900	3300	3500	3700	18
20				3400	3500			2800	3100	3200			2300	2600	2800	3000	20
22				2800	2900			2200	2400	2600				2000	2200	2500	22
24				2300	2400				1900	2100				1500	1700	2000	24
26					2000				1600	1700				1100	1300	1500	26
28					1700					1400					1000	1200	28
30										1100					800	900	30
32										900						700	32
34																	34
	8 (*10)	8	6	5	4	8	6	5	4	3	6	5	4	3	3		
	0	0	0	0	0	50	50	50	50	50	100	100	100	100	100		
	0	25	50	75	100	0	25	50	75	100	0	25	50	75	100		



Remark: * Need additional device.
备注: * 代表需要借助辅助装置。

Load Chart - Fixed Jib

性能表 - 副臂

Unit:kg



	43.5m+8m			
	0°	15°	30°	
78	2800	2500	1900	78
75	2800	2400	1700	75
72	2700	2200	1600	72
70	2600	2000	1500	70
65	1850	1650	1300	65
60	1250	1150	1000	60
55	850	800	700	55
50	600	500	400	50

Remark

- Value listed are the max. capacity when the crane is in a level condition on solid ground or surface.
- Radius refers to actual radius with boom deflection considered.
- Value above are calculated with hooks and lifting slings considered (320kg main hook block, 85kg aux. hook block).
- When the fifth outrigger is landed in position, value listed are applicable for 360 degree operation.
- Rated lifting performance on boom point sheave equals 3000kg; boom load capacity shall be 500kg less than value given when jib unfolds.
- Load value is given according to the larger radius or boom length value when the actual radius or boom length falls between two numbers above.

- 起重性能表中给定数值是在平整坚固的地面上，整机调平状态下起重机的额定起重量。
- 起重性能表中工作幅度是指吊载后的实际幅度。
- 起重性能表中额定起重量包括起重钩（主起重钩重 320kg，副起重钩重 85kg）和吊具的重量。
- 打开好第五支腿时，表中数值适用于全方位（360°）作业。
- 使用臂尖滑轮时额定起重量不超过 3000kg。若副起重臂处于展开状态，主臂起吊的额定起重量应减少 500kg。
- 如果实际臂长和幅度介于两个数值之间时，取较长的臂长及较大的幅度所决定的额定起重量进行起吊作业。



SANY GROUP CRANE BU

SANY Mobile Crane Industrial Park, No.168 Jinzhou Avenue, Jinzhou Development Zone, Changsha City,
Hunan Province, P.R. China Zip 410600
Consulting sanycrane@sanygroup.com (Crane BU) / crd@sany.com.cn (IHQ)
After-sales Service 0086-400 6098 318

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三一集团起重事业部

中国湖南长沙金洲开发区金洲大道 168 号 三一汽车起重机产业园 邮编: 410600
咨询: sanycrane@sanygroup.com (起重事业部) / crd@sany.com.cn (国际总部)
海外售后服务: 0086-400 6098 318

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