

SANY[®]

QUALITY CHANGES THE WORLD



50 t



44 m



60.5 m

STC500C5

SANY Truck Crane

SANY CRANE

BETTER WORLD, BETTER SANY CRANE

SANY CRANE is one of the core business units in SANY Group, specializing in the development and manufacturing of high-end wheeled cranes, crawler cranes.

三一集团旗下核心事业部，从事高端轮式起重机、履带起重机系列产品的研发制造。





CONTENTS

目录

Crane Overview 整机概述	▶ 04
Highlights 整机亮点	▶ 06
Overall Dimensions 整机尺寸	▶ 09
Technical Specifications 整机参数	▶ 10
Machine Introduction 整机介绍	▶ 12
Working Conditions & Code Description 工况组合及工况代码说明	▶ 14
T	15
TJ	17
Icon Description 图标说明	▶ 18
SANY Overseas Service 三一海外服务	▶ 19

CRANE OVERVIEW

整机概述

The STC500C5 is a truck crane equipped with a 5-section U-shaped boom extending up to 44 m and a 16 m jib, delivering a maximum lifting height of 60.5 m. It offers a maximum lifting moment of 1690 kN·m with the basic boom and 1098 kN·m with the fully extended boom.

5 节臂，大截面 U 型主臂，主臂全长 44m，副臂全长 16m，
最大起吊高度 60.5m，基本臂最大起重力矩达 1690kN.m，全伸臂最大起重力矩 1098kN.m



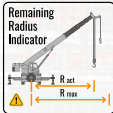
Truck Crane
STC500C5 / 50t Lifting Capacity



Driver's cab
新两室-下车



Operator's cab
新两室-上车



Remaining Radius Indicator
剩余幅度提示



Intelligent Configuration Recommendation
工况智能推荐



Self-diagnosis Function
故障自诊断



Electro-Hydraulic Synergy System
电液复合系统



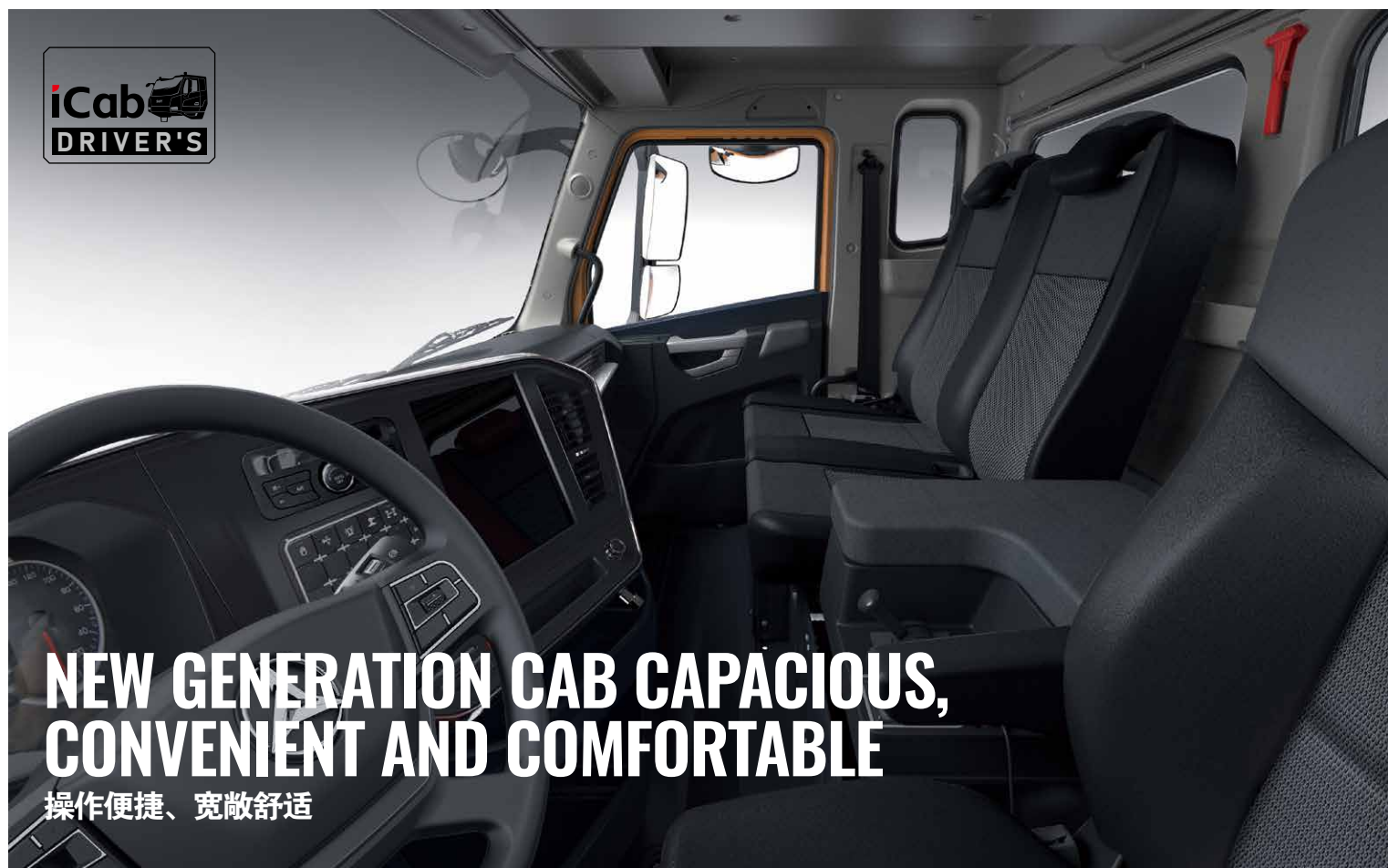
i-ECO2.0
i-ECO2.0系统



Enhanced Corrosion Protection (optional)
强效防腐保护(选配)

HIGHLIGHTS

整机亮点



Driver's cab

新两室-下车

- Multi-function seat with air suspension, making driving more comfortable.
- Foldable double passenger seats.
- 12.1-inch touch screen integrated with back-up image and multi-media.
- Electric rearview mirror with electric heating, ensuring good field of view in foul weather.
- 气浮多功能驾驶座椅，驾驶更舒适
- 可折叠式双座椅副驾驶
- 12.1英寸触摸大显示屏，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



BRAND-NEW OPERATOR'S CAB, HIGH-END COCKPIT

全新操纵室，高端座舱

Operator's cab

新两室-上车

- 10.1-inch touch screen.
- Openable front window convenient for ventilation and escape.
- Sliding door, more convenient for getting on/off the cab and opening/closing the door.
- Through-type electric telescopic pedal for easier entry and exit.

- 10.1英寸触摸屏
- 可开启式前窗，视野开阔，方便通风及逃生
- 滑移门，上下车、开关门更方便
- 贯通式电动伸缩踏板，上下车更方便



HIGHLIGHTS

整机亮点



i-ECO2.0 System

i-ECO2.0系统

Using a variable-displacement pump and torque-matching control based on operating demands, the system boosts energy utilization and achieves lower fuel consumption during operation.

采用变功率泵、基于作业需求匹配发动机扭矩，提升能量利用率，作业油耗低。

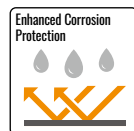


Electro-Hydraulic Synergy System

电液复合系统

The i-EHC2.0 system combines the high responsiveness of hydraulics with the precision of electronic control, delivering a smoother, more efficient, and highly stable operating experience.

i-EHC2.0系统，结合液压的高响应性与电控的高精度，实现更稳定、更高效的操控体验。



Enhanced Corrosion Protection (optional)

强效防腐保护(选配)

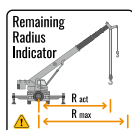
Standard C4 coating with an optional C5 heavy-duty anti-corrosion coating, greatly extending the corrosion resistance lifespan.

标配C4涂装，可选C5重防腐涂装，极大地延长了防腐寿命。

iCrane 1.0 System

The iCrane1.0 system features powerful data processing capabilities, ensuring your equipment operates with enhanced safety, reliability, ease of use, and efficiency—giving you complete peace of mind.

iCrane1.0 系统拥有强大的信息处理能力，确保您的设备安全、可靠，易用，高效，让您使用无忧。



Remaining Radius Indicator

剩余幅度提示

Based on the actual lifted load, the system displays the current operating radius and the maximum permissible radius in real time, helping prevent overload and tip-over under unknown conditions.

可根据实际吊重，实时显示当前幅度及额载最远的幅度，避免在未知的情况下超载倾翻。



Intelligent Configuration Recommendation

工况智能推荐

Based on the input lifting radius, load weight, and lifting height, the system intelligently recommends the optimal working configuration, significantly reducing operating difficulty.

可根据吊载物幅度、重量，高度，智能推荐合适工况，极大地减小操作难度。



Self-diagnosis Function

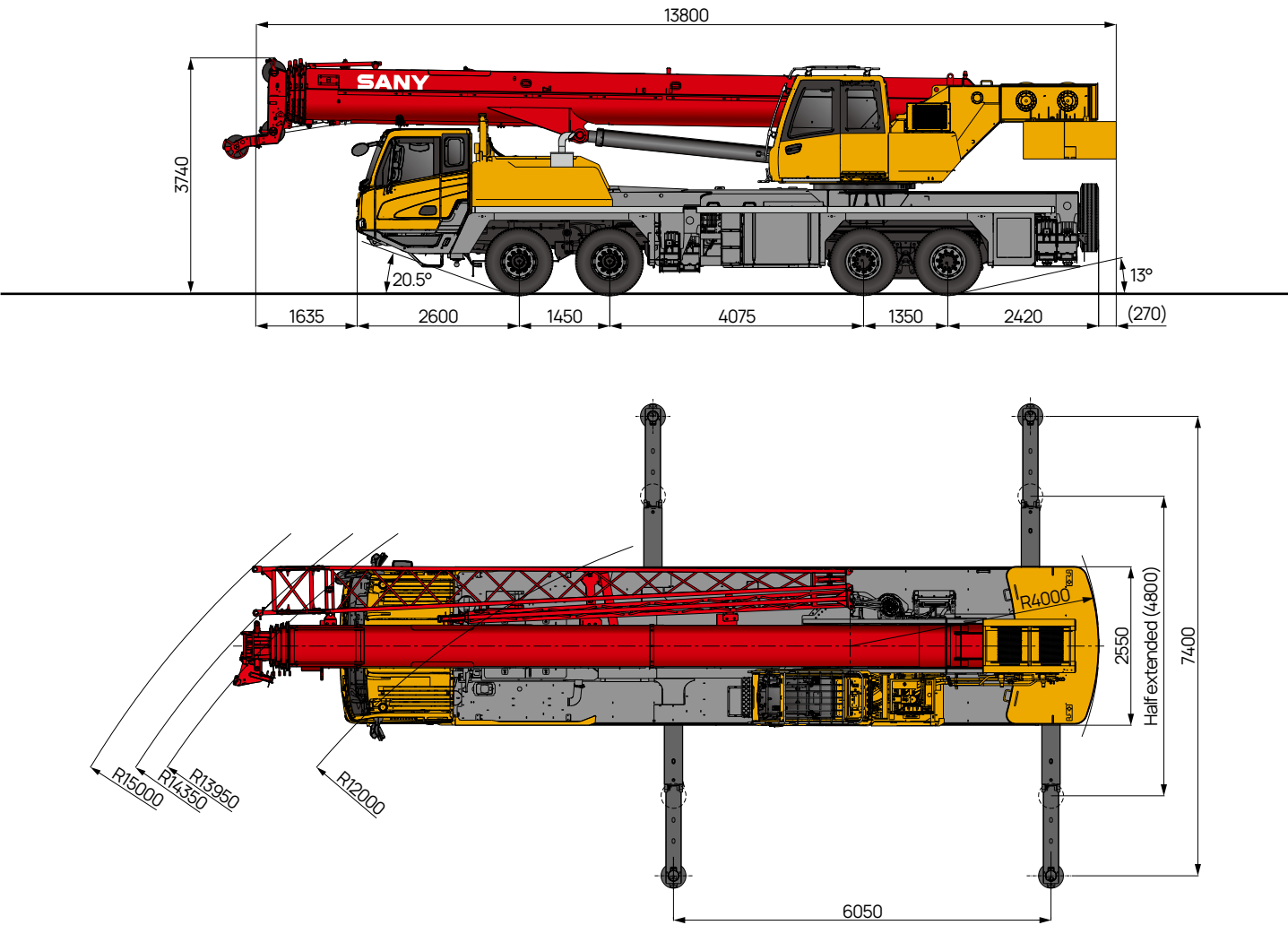
故障自诊断

Minor issues can be quickly fixed on-site, while complex problems are resolved faster, minimizing downtime and keeping operations efficient.

小故障设备自己快速解决，难点故障提升修复效率，缩短怠工时间。

OVERALL DIMENSIONS
整机尺寸

Unit: mm



TECHNICAL SPECIFICATIONS

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	50	
WEIGHT 重量参数	Gross weight 整机总质量	kg	38800	
POWER (CHASSIS) 发动机参数(下车)	Engine model 发动机型号	-	Z10E360 31	
	Max. engine power 发动机最大功率	kW/rpm	264/1900	
	Max. engine torque 发动机最大输出扭矩	N·m/rpm	1600/(900~1300)	
DIMENSIONS 尺寸参数	Overall length 整机全长	mm	13800	
	Overall width 整机全宽	mm	2550	
	Overall height 整机全高	mm	3740	
TRAVEL 行驶参数	Max. travel speed 最高行驶速度	km/h	90	
	Min.steering radius 最小转弯半径	m	12	
	Min.steering radius of boom tip 臂头最小转弯半径	m	15	
	Wheel formula 车轮模式	-	8×4	
	Min.ground clearance 最小离地间隙	mm	290	
	Approach angle 接近角	°	20.5	
	Departure angle 离去角	°	13	
	Max.gradeability 最大爬坡度	-	57%	
	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		-	-
	Min.rated lifting radius 最小额定幅度		m	3
	Tail slewing radius 转台尾部回转半径		m	4
	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	1690
		Full-extension boom 全伸主臂	kN·m	1098
		Longest boom + fixed jib combination 最长主臂+固定副臂组合	kN·m	468
	Boom length 臂长	Basic boom 基本臂	m	11.3
		Full-extension boom 全伸主臂	m	44
		Longest boom + fixed jib combination 最长主臂+固定副臂组合	m	60
	Max.lifting height 最大起重高度	Basic boom 基本臂	m	11.8
		Full-extension boom 全伸主臂	m	44.5
		Longest boom + fixed jib combination 最长主臂+固定副臂组合	m	60.5
	Outrigger span (Longitudinal×Transverse) 支腿跨距(纵×横)		m	6.05×7.4
	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 SPECIFICATIONS

整机参数

■ Axle Load 轴荷

	1	2	3	4	
Axle load 轴荷 /t	6.4	6.4	13	13	38.8

Remark: Equipped with 6.6t fixed counterweight, the main hook is stowed at the front of the carrier, and the auxiliary hook is stowed in the auxiliary hook stowage.

备注: 固定配重6.6t, 主钩固定在车前、副钩在副钩筒。

■ Speed and Gradeability 速度与爬坡度

	 Min.	 Max.	
12R22.5	-	90km/h	57.0%

■ Max. Supporting Forces 最大支撑力

		
F_{max}	445kN (45.4t)	387kN (39.5t)

■ Hook 吊钩

			 kg	
50t	5	11	405	●
5t	-	1	85	●

● Standard 标配 ○ Optional 选配

■ Operations 主要动作参数

			 L	 F
	0~135m/min	Φ16mm	200m	4.6t
	0~135m/min	Φ16mm	130m	4.6t
	0~2.0r/min			
	50s/80s			
	80s/110s			
	35s (Extension 伸) / 25s (Retraction 缩)			
	20s (Extension 伸) / 25s (Retraction 缩)			

MACHINE INTRODUCTION

整机介绍

Carrier 下车



Driver's cab 驾驶室

- Integrated left-right through design with a two-in-one sleeper berth. When the doors are closed, the sound insulation meets international heavy-duty truck standards.
- Driver's seat features an air suspension shock-absorbing design with ergonomic configuration.
- Equipped with a digital and virtual instrument panel, and a 12.1-inch central touchscreen that integrates automatic HVAC control with precise temperature regulation and smooth airflow.
- Electric and heated rearview mirrors; multifunction steering wheel for controlling in-cab multimedia systems.
- 左右贯通式设计，二合一卧铺。车门关闭后，隔音性能达到国际重卡水平。主驾空气悬浮减震座椅、人体工程学配置。液晶、虚拟仪表盘。12.1英寸中控大屏；集成自动空调控制界面，精准控温，出风平顺。电动电热后视镜；多功能方向盘，可控制车内多媒体设备。



Carrier frame 车架

- Designed and manufactured by Sany, the torsion resistant box-type structure is welded by fine grain high-strength steel, featuring increased 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。



Engine 发动机

- Model: Cummins Z10E360 31 Inline six-cylinder diesel engine with watercooler and inter cooler.
- Emission standard: Euro III.
- Fuel reservoir capacity: 350L.
- 型号：Z10E360 31康明斯，直列六缸、水冷却、增压中冷、柴油发动机。
- 排放标准：Euro III。
- 燃料箱有效容积：350L。



Transmission 变速箱

- Manual transmission, 9 forward gears, 2 reversing gears, large speed ratio range, adaptable to slope climbing and high-speed traveling.
- 手动变速箱，变速箱有9个前进挡、2个后退挡，速比范围大，既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。最优优化力传输，采用端面齿联结传动轴，传递扭矩大。



Axle 车桥

- Axles 1, 2 are steered, axles 3, 4 are drive axles with built-in differential lock, realizing tougher ability to rough-terrain travelling. Two-stage reducer gear and more compact axle bags contribute to better trafficability. Press-welding axle housing technology, bearing capacity is stronger.
- 3、4轴为驱动轴，1、2轴为转向轴，驱动轴内置轴间和轮间差速器锁，使车辆有更强的脱困能力；双级减速，桥包体积更小，使车辆有更好的通过性；冲焊桥壳工艺，承载能力更强。



Suspension system 悬挂系统

- Front suspension is realized by leaf spring, and rear rubber. The system's strength is verified by 100,000 cycling fatigue tests, hence ride comfort is out of question.
- 一二桥采用钢板弹簧悬挂系统，三四桥采用橡胶悬挂系统，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

- Adopts a dual-circuit hydraulic power steering system with a mechanical steering limiter.
- 采用带机械转向限位的双回路液压助力式转向系统。



Tires 轮胎

- Thirteen tires sized 12/R22.5, strong bearing capacity and durability.
- 13(轮胎数)一轮胎规格：12/R22.5，承载能力强，耐用。



Wheel formula 车轮模式

- 8×4.
- 8×4。



Outrigger 支腿

- H-type layout, four point support, easy to operate, outrigger beam hydraulically telescoping, jack telescoping protected by two-way pilot controlled valve.
- H型支腿4点支撑，易操作、稳定性强；采用细晶粒高强度钢板材料，一、二级支腿全液压横向伸缩。垂直油缸采用双向液压锁进行安全保护。



Brake 制动系统

- Service brake: air servo, double circuit split, wedge brake and double air chambers functioning on front axles.
- Parking brake: functioning at axles 3 and 4 by spring in air chamber.
- Emergency brake: performed by pressure reservoir.
- Assisting brake: in-cylinder engine brake, safety assured when driving down long slopes.
- 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，前桥采用模式制动器+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三、四桥上。
- 应急制动阀由蓄能器储能断气制动兼做应急制动。
- 辅助制动为发动机缸内制动，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

- Two 12V maintenance-free batteries with a mechanical master power switch, allowing manual cutoff of the entire vehicle's power supply.
- A bus control system enables information exchange between superstructure and chassis modules.
- Battery capacity: 180AH.
- 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。
- 电池容量:180AH。

MACHINE INTRODUCTION

整机介绍

Superstructure 上车



Operator's cab 操纵室

- SANY's cab is ergonomically designed with safety glass and corrosion-resistant steel. It features softened interiors, a spacious cabin, a panoramic sunroof, and adjustable seats for comfortable operation. The cab includes HVAC, electric wipers, and a 10.1-inch frameless display with a new UI, integrated with the load moment indicator for clear monitoring of all lifting parameters. The cab can tilt up to 20° for improved high-level visibility and comes with standard side steps.
- 三一自主研发人体工程学设计，安全玻璃，耐腐蚀钢板，配置软化内饰、超大内部空间、全景式天窗、可调式座椅等人性化设计，配有冷暖空调、电动雨刮器，操作更舒适、轻松；配置力矩限制器显示屏，实现主控台与操作显示系统有机结合，使吊装作业的全部工况数据一目了然。10.1英寸无框大屏，全新UI界面。



Boom & telescoping system 伸缩系统

- The boom structure features 5-section U-shape boom for excellent stability. The boom extends and retracts using a hydraulic cylinder with cable system. Standard 16 m two-section mechanical fixed jib.
- 5节U型主臂，采用高强度钢板，具有极高的稳定性，伸缩采用油缸加绳排伸缩结构；标配16m双节机械变幅固定副臂。



Hoist 起升机构

- Normally closed type winch brake and winch balance valve are set to prevent hook falling and stalling.
- Standard 50t, 5t hooks.
- Main winch wire rope: 16 mm diameter, 200 m length, auxiliary winch wire rope: 130 m length.
- 常闭式卷扬制动器，并设置卷扬平衡阀，可防止落钩失速。
- 标配50t、5t吊钩。
- 直径φ16mm，长200m主卷钢丝绳，长130m副卷钢丝绳。



Luffing system 变幅系统

- Passive luffing down with balance system, reducing energy cost yet raising stability. Luffing angle: -2°~ 80°.
- 自重落幅，更加节能。采用单根油缸，前铰支布置，变幅更省力且起重臂受力得到改善。变幅角度：-2°~ 80°。



Hydraulics 液压系统

- High-quality hydraulic components such as pumps, motors, and valves are adopted to ensure the stability and reliability of the hydraulic system.
- The hoisting winch system adopts a closed-circuit design to avoid throttling losses, resulting in higher system efficiency.
- 采用高品质的油泵、马达、阀等关键液压元件，保证液压系统稳定、可靠。
- 起升卷扬系统采用闭式系统，避免节流损失，使系统具有较高的效率。



Slewing 回转系统

- The crane slewing brakes smoothly via balance design.
- 起重机通过平衡设计实现回转制动器平稳制动。



Control system 控制系统

- Safety guarantee: SANY, Load Moment Indicator providing all-round protection.
- Fault diagnosis: BCM controller for fault detection and easy maintenance.
- Colored display & smart panel & IO power distribution: user friendly.
- 安全保证：三一力矩限制器系统提供全方位保护。
- 故障诊断：采用BCM控制器实现故障检测与便捷维护。
- 用户友好型设计：彩色显示器、智能面板及IO电源分配器一体化配置。



Counterweight 配重

- Fixed counterweight 6.6t, movable counterweight 2.5t.
- 固定配重6.6t，活动配重2.5t。



Safety equipment 安全装置

- Load moment indicator: A method of analytical mechanics is adopted and a moment limiter calculation system based on the hoisting mechanics model is established. 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 balance valve, relief valve, two-way holding valve, etc. to realize stability and reliability.
- Boom head and jib head are equipped with three-circle protector prevents wire rope from over-lowering.
- Boom head and jib head are equipped with A2B switch to prevent the wire rope from over winding.
- The boom head is equipped with anemometer to detect whether the wind speed at heights exceeds the allowable range.
- 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.
- Equipped with boom angle and hook height limiter.
- 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，吊重精度达到 $\pm 3\%$ 。
- 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、副臂卷扬配置三圈保护器，防止钢丝绳过放。
- 主、副臂臂端配置高度限位器，防止钢丝绳过卷。
- 臂端装有风速仪，检测高空风速是否超过可作业允许范围。
- 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。
- 配备主臂角度及吊钩高度限制器。



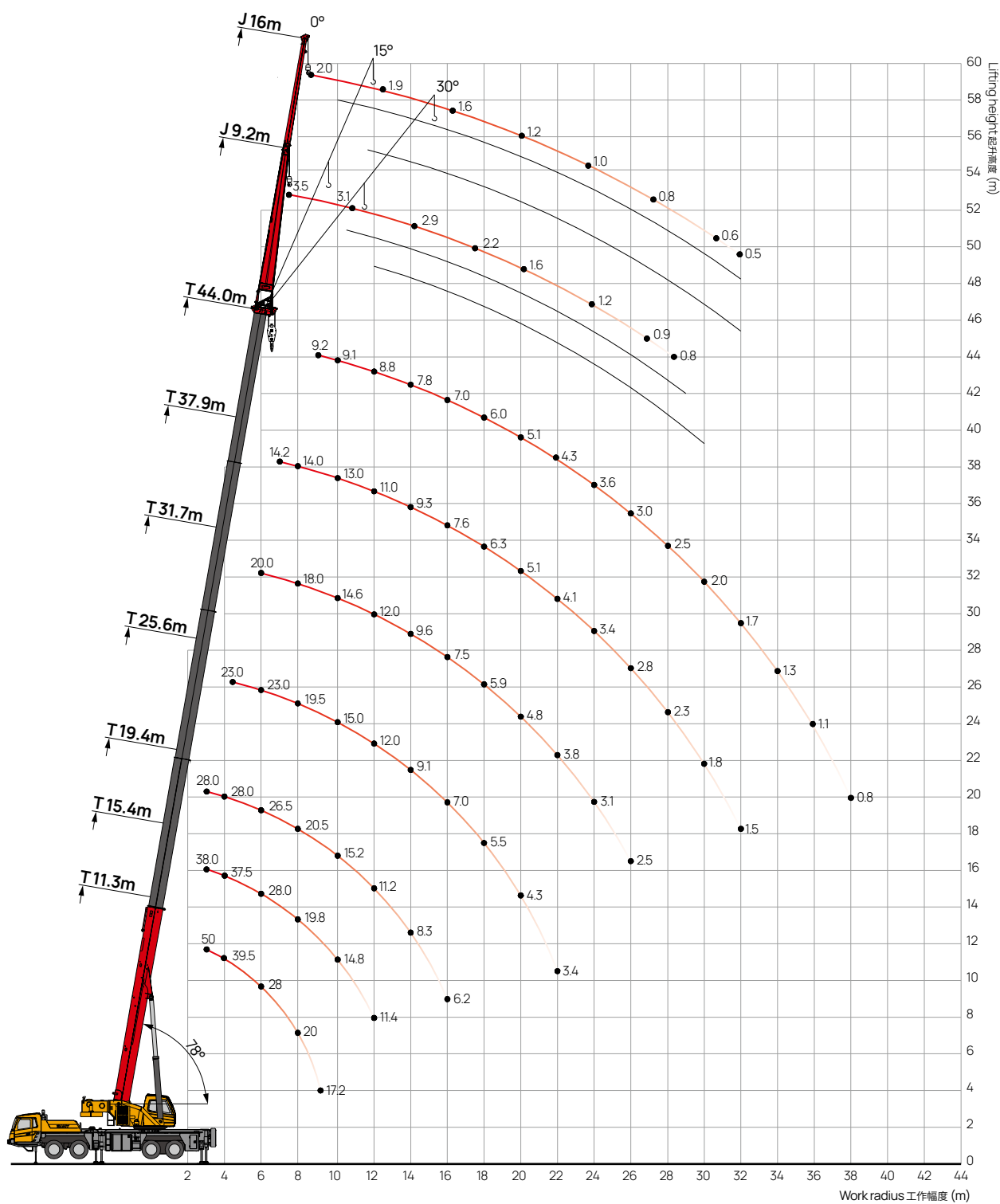
Optional equipment at extra fees 选配

- Outrigger pads.
- Spark arrester.
- Air intake cut-off valve.
- Customized painting.
- Other equipment available upon request.
- 支腿垫板。
- 火星灭火器。
- 进气切断阀。
- 特殊涂装。
- 其它配置视需求确定。

Remark: Actual optional configurations are subject to the configuration list.
备注：实际选配请以配置清单为准。

OPERATING RANGE - TJ

起升高度曲线 - 主臂 + 副臂



LOAD CHART - T

性能表 - 主臂

Unit: t

				
T	100%	360°	9.1t	EN

	11.3	17.4	23.6	29.7	35.8	15.4	21.5	27.6	33.8	39.9	19.4	25.6	31.7	37.9	44.0	
3.0	50.0	23.0				38.0					28.0					3.0
3.5	44.0	23.0				38.0	23.0				28.0					3.5
4.0	39.5	23.0	22.0			37.5	23.0				28.0					4.0
4.5	36.5	23.0	22.0			34.5	23.0	22.0			28.0	23.0				4.5
5.0	34.5	23.0	22.0	16.0		32.5	23.0	22.0			28.0	23.0				5.0
6.0	28.0	23.0	22.0	15.8		28.0	23.0	22.0	16.0		26.0	23.0	20.0			6.0
7.0	23.5	23.0	21.0	15.2	11.0	23.0	22.7	21.5	15.6		23.0	22.0	20.0	14.2		7.0
8.0	20.0	20.8	18.8	15.2	11.0	19.8	20.7	19.3	15.5	10.3	20.5	19.5	18.0	14.0		8.0
9.0	17.2	18.3	17.1	14.5	11.0	17.0	18.2	17.4	15.0	10.3	17.5	17.1	16.2	13.7	9.2	9.0
10.0		16.2	15.3	13.2	10.6	14.8	16.0	15.9	13.8	10.1	15.2	15.0	14.6	13.0	9.1	10.0
12.0		12.8	12.7	11.1	9.4	11.4	12.4	12.5	12.2	9.3	11.2	12.0	12.0	11.0	8.8	12.0
14.0		9.9	10.3	9.5	8.4		9.4	9.9	10.0	8.2	8.3	9.1	9.6	9.3	7.8	14.0
16.0			8.3	8.3	7.4		7.3	7.8	8.1	7.2	6.2	7.0	7.5	7.6	7.0	16.0
18.0			6.7	6.9	6.5		5.8	6.3	6.6	6.2		5.5	5.9	6.3	6.0	18.0
20.0			5.5	5.7	5.5			5.1	5.4	5.3		4.3	4.8	5.1	5.1	20.0
22.0				4.8	4.8			4.1	4.4	4.5		3.4	3.8	4.1	4.3	22.0
24.0				4.0	4.1				3.7	3.9			3.1	3.4	3.6	24.0
26.0					3.6				3.1	3.3			2.5	2.8	3.0	26.0
28.0					3.2				2.6	2.8				2.3	2.5	28.0
30.0					2.6					2.3				1.8	2.0	30.0
32.0										2.0				1.5	1.7	32.0
34.0										1.6					1.3	34.0
36.0															1.1	36.0
38.0															0.8	38.0
	11	5	5	4	3	9	5	5	4	3	7	5	5	4	3	
2#	0	0	0	0	0	50	50	50	50	50	100	100	100	100	100	2#
3#	0	25	50	75	100	0	25	50	75	100	0	25	50	75	100	3#
4#	0	25	50	75	100	0	25	50	75	100	0	25	50	75	100	4#
5#	0	25	50	75	100	0	25	50	75	100	0	25	50	75	100	5#

LOAD CHART - T

性能表 - 主臂

Unit: t

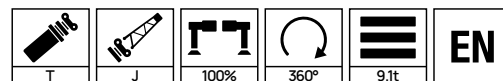
				
T	100%	360°	6.6t	EN

	11.3	17.4	23.6	29.7	35.8	15.4	21.5	27.6	33.8	39.9	19.4	25.6	31.7	37.9	44.0	
3.0	50.0	23.0				38.0					28.0					3.0
3.5	44.0	23.0				38.0	23.0				28.0					3.5
4.0	39.5	23.0	22.0			37.5	23.0				28.0					4.0
4.5	36.5	23.0	22.0			34.5	23.0	22.0			28.0	23.0				4.5
5.0	33.5	23.0	22.0	16.0		32.5	23.0	22.0			28.0	23.0				5.0
6.0	27.5	23.0	22.0	15.8		28.0	23.0	22.0	16.0		26.0	23.0	20.0			6.0
7.0	23.0	23.0	21.0	15.2	11.0	23.0	22.7	21.5	15.6		23.0	22.0	20.0	14.2		7.0
8.0	19.5	20.8	18.8	15.2	11.0	19.8	20.7	19.3	15.5	10.3	20.0	19.5	18.0	14.0		8.0
9.0	16.7	18.3	17.1	14.5	11.0	17.0	18.2	17.4	15.0	10.3	17.1	17.1	16.2	13.7	9.2	9.0
10.0		15.8	15.3	13.2	10.6	14.2	15.2	15.8	13.8	10.1	14.0	14.9	14.6	13.0	9.1	10.0
12.0		11.5	12.0	11.1	9.4	10.0	11.0	11.5	11.8	9.3	9.8	10.7	11.2	11.0	8.8	12.0
14.0		8.7	9.2	9.4	8.4		8.2	8.7	9.0	8.2	7.0	7.9	8.4	8.7	7.8	14.0
16.0			7.2	7.4	7.4		6.2	6.7	7.1	7.2	5.1	5.9	6.4	6.7	7.0	16.0
18.0			5.7	6.0	6.2		4.8	5.3	5.6	5.8		4.5	5.0	5.3	5.6	18.0
20.0			4.7	4.9	5.1			4.3	4.5	4.7		3.5	4.0	4.3	4.5	20.0
22.0				4.1	4.2			3.4	3.7	3.9		2.7	3.1	3.4	3.6	22.0
24.0				3.4	3.5				3.0	3.2			2.5	2.7	3.0	24.0
26.0					3.0				2.5	2.7			1.9	2.2	2.4	26.0
28.0					2.5				2.0	2.2				1.7	1.9	28.0
30.0					2.1					1.8				1.3	1.5	30.0
32.0										1.5				1.0	1.2	32.0
34.0										1.2					0.9	34.0
36.0															0.7	36.0
	11	5	5	4	3	9	5	5	4	3	7	5	5	4	3	
2#	0	0	0	0	0	50	50	50	50	50	100	100	100	100	100	2#
3#	0	25	50	75	100	0	25	50	75	100	0	25	50	75	100	3#
4#	0	25	50	75	100	0	25	50	75	100	0	25	50	75	100	4#
5#	0	25	50	75	100	0	25	50	75	100	0	25	50	75	100	5#

LOAD CHART - TJ

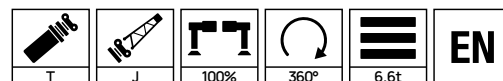
性能表 - 主臂 + 副臂

Unit: t



	9.2			16.0			
	0°	15°	30°	0°	15°	30°	
78.0	3.5	2.8	2.1	2.0	1.4	1.1	78.0
76.0	3.2	2.6	2.0	2.0	1.3	1.1	76.0
74.0	3.1	2.5	2.0	1.9	1.2	1.0	74.0
72.0	3.0	2.2	1.9	1.8	1.1	1.0	72.0
70.0	2.9	2.0	1.8	1.6	1.1	1.0	70.0
68.0	2.5	1.8	1.6	1.4	1.0	0.9	68.0
66.0	2.2	1.6	1.4	1.2	1.0	0.8	66.0
64.0	1.9	1.4	1.2	1.1	0.9	0.7	64.0
62.0	1.6	1.2	1.1	1.0	0.9	0.7	62.0
60.0	1.4	1.1	1.0	0.9	0.8	0.6	60.0
58.0	1.2	1.0	0.9	0.8	0.7	0.6	58.0
56.0	1.0	0.9	0.8	0.7	0.6	0.5	56.0
54.0	0.9	0.8	0.7	0.6	0.5		54.0
52.0	0.8	0.7	0.6	0.5			52.0
	1	1	1	1	1	1	
2#	100	100	100	100	100	100	2#
3#	100	100	100	100	100	100	3#
4#	100	100	100	100	100	100	4#
5#	100	100	100	100	100	100	5#

Unit: t



	9.2			16.0			
	0°	15°	30°	0°	15°	30°	
78.0	3.5	2.8	2.1	2.0	1.4	1.1	78.0
76.0	3.2	2.6	2.0	2.0	1.3	1.1	76.0
74.0	3.1	2.5	2.0	1.9	1.2	1.0	74.0
72.0	3.0	2.2	1.9	1.8	1.1	1.0	72.0
70.0	2.6	2.0	1.8	1.6	1.1	1.0	70.0
68.0	2.2	1.8	1.6	1.4	1.0	0.9	68.0
66.0	1.8	1.6	1.4	1.2	1.0	0.8	66.0
64.0	1.5	1.4	1.2	1.1	0.9	0.7	64.0
62.0	1.3	1.1	1.1	1.0	0.8	0.7	62.0
60.0	1.1	1.0	0.9	0.9	0.7	0.6	60.0
58.0	0.9	0.8	0.8	0.7	0.6	0.6	58.0
56.0	0.7	0.7	0.7	0.6	0.5	0.5	56.0
54.0	0.6	0.6	0.6	0.5			54.0
52.0	0.5	0.5	0.5				52.0
	0	0	0	0	0	0	
2#	100	100	100	100	100	100	2#
3#	100	100	100	100	100	100	3#
4#	100	100	100	100	100	100	4#
5#	100	100	100	100	100	100	5#

ICON DESCRIPTION

图标说明

 Max. lifting capacity 最大起重量	 Max. boom length 最大主臂长	 Max. lifting radius 最大吊载幅度	 Max. lifting height 最大吊载高度	 Driver's cab 驾驶室
 Carrier frame 车架	 Engine 发动机	 Transmission 变速箱	 Transfer case 分动箱	 Axle 车桥
 Outrigger 支腿	 Slewing platform 转台	 Suspension system 悬挂	 Steering 转向	 Tires/Tire size 轮胎/轮胎尺寸
 Wheel formula 轮胎模式	 Transmission shaft 传动轴	 Brake system 制动系统	 Electrical system 电气系统	 Hydraulic system 液压系统
 Operator's cab 操纵室	 Control system 控制系统	 Hoist 起升机构	 Slewing 回转机构	 Safety equipment 安全装置
 Load moment indicator 力矩限制器	 Counterweight 配重	 CW rearward positioned 配重后移	 Boom & telescoping system 主臂	 Luffing system 变幅系统
 Jib 副臂	 Superlift device 超起	 Wind power jib 风电副臂	 Luffing jib 塔臂	 Auxiliary jib 鹅头臂
 Boom extension 主臂延伸臂	 Auxiliary boom nose 臂尖滑轮	 Rear storage box 尾部储物箱	 Optional equipment at extra fees 选配	 Motor 电机
 Hybrid Powertrain 混动总成	 Power battery 动力电池			
 Axle load 轴荷	 Weight 重量	 Number of sheaves 滑轮数量	 Min. Min. travel speed 最小行驶速度	 Max. Max. travel speed 最大行驶速度
 Max. gradeability 最大爬坡度	 Gear 档位	 Onroad gear 高速档	 Crawl speed 龟速档	 Hook 吊钩
 Main hook 主钩	 Auxiliary hook 副钩	 Rope rate 倍率	 Fmax Max. supporting forces 最大支撑力	 Outrigger pads 支脚盘
 Outrigger jack 垂直支腿	 Outrigger beam 水平支腿	 Front outrigger 前支腿	 Rear outrigger 后支腿	 kg Hook weight 吊钩重量
 Operations 主要动作	 Max. single line lifting speed (empty load) 单绳速度(空载)	 Rope diameter 钢丝绳直径	 L Rope length 钢丝绳长度	 F Max. single line pull 最大单绳拉力
 Main winch 主卷扬	 Auxiliary winch 副卷扬	 Full luffing up/down time of boom 主臂起落幅时间	 Full extension/retraction time of boom 主臂伸缩时间	 m/s Anemometer 风速仪
 Spare tire 备胎				

SANY OVERSEAS SERVICE

三一海外服务

GLOBAL SUPPORT ANYTIME ANYWHERE NO MORE WAITING

900+



Overseas service centers
海外服务中心

3500+



Professional technical
service engineers
专业技术服务

365×24



Support
全时服务

Service Center

Tel: +86 4006098318

Mail: CRD@sany.com.cn

WhatsApp: +86 19908478631 (Only WhatsApp)



On-demand professional equipment repair services
available anytime, anywhere, ensuring rapid response and
efficient solutions.

随时一键呼叫专业设备维修服务，快速响应，高效解决。

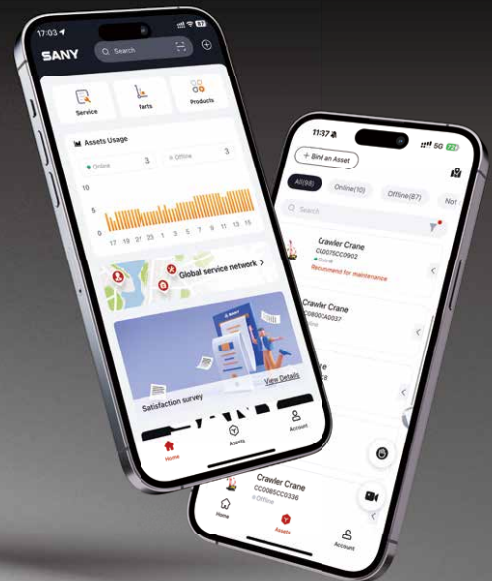


Download MySANY for a comprehensive,
all-in-one experience!

DOWNLOAD ON THE
App Store

GET IT ON
Google Play

DOWNLOAD APK 6.0+
Android





SANY Mobile Crane Industrial Park

No.168 Jinzhou Avenue, Jinzhou Development Zone, Changsha City, Hunan Province, P.R. China Zip 410600

SANY Crawler Crane Industrial Park

No. 2188 Daishan Road, Wuxing District, Huzhou City, Zhejiang Province, P. R. China Zip 313028

Consulting sanycrane@sanygroup.com (Crane BU) / crd@sany.com.cn (IHQ)

After-sales Service 0086-400 609 8318 (Overseas)

Reminder:

Any change in the technical parameters and configuration due to product modification or upgrade may occur without prior notice. The machine in the picture may include additional equipment. This brochure is for reference only, and goods in kind shall prevail.

Copyright at SANY. No part of this brochure may be copied or used for any purpose without written approval from SANY.

© Version 2026-01-30

三一轮式起重机产业园：中国湖南长沙金洲开发区金洲大道168号 邮编：410600

三一履带起重机产业园：中国浙江湖州市吴兴区黛山路2188号 邮编：313028

咨询：sanycrane@sanygroup.com(起重事业部) / crd@sany.com.cn(国际总部)

售后服务：0086-400 609 8318(海外)

温馨提示：

由于技术不断更新，技术参数及配置如有更改，恕不另行通知。图中机器可能包括附加设备，本画册仅供参考，以实物为准。

版权为三一所有，未经三一书面许可，本画册任何内容不得被复制用于任何目的。

© 2026年1月30日版



Contact SANY Group



Follow SANY Group

SANY CRANE |    |  www.sanyglobal.com