

**SANY**<sup>®</sup>

# SPECIFICATION



**80t**



**47.5m**



**65.5m**

# SRC800T

**SANY ROUGH TERRAIN CRANE**

**QUALITY CHANGES THE WORLD**

[crane.sanyglobal.com](http://crane.sanyglobal.com)

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。

# BETTER WORLD, BETTER SANY CRANE



# SANY CRANE



# SRC800T

SANY ROUGH TERRAIN CRANE  
80T LIFTING CAPACITY

A 80t rough terrain crane with five section 47.5m boom, featuring stronger capacity. Key components come from International name brands. Operator comfort is improved by brand new cab design.

最大起重量80吨，5节臂，最大主臂长47.5m的越野起重机，性能强，核心部件均为国际知名供应商提供，配备全新操纵室，驾驶、操作舒适度全面升级。





## **Strong lifting capacity**

超强性能

## **All new operator's cab**

Ergonomic concept of safety and comfort

全新操纵室

操作安全、舒适、人机工程全面升级

## **Convenient transport**

One-trailer transport at low operational cost

超便捷运输

一车整运，运营成本低

## **Brand-name components**

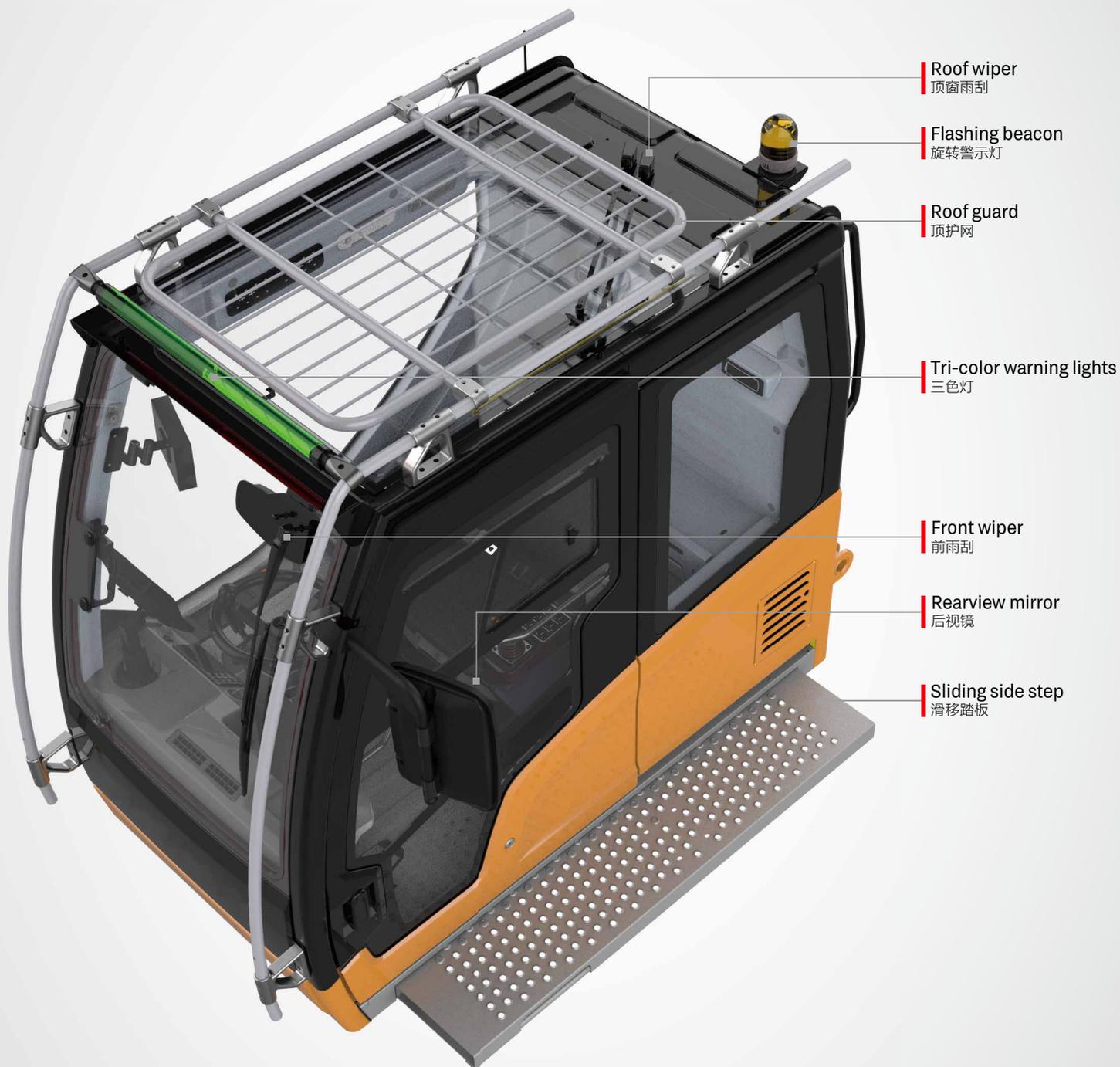
DF Cummins engine/Dana transmission

国际知名供应商

东风康明斯发动机/德纳变速箱

# All New Operator's Cab

## 全新操纵室



**Safety & Reliability**  
安全可靠



**Comfort & Convenience**  
舒适便捷



**Simplicity & Efficiency**  
简单高效

## SPECIFICATION

Rearview and  
winch monitor  
卷扬监视器

10.1 inch LMI screen  
10.1 吋显示屏

Outrigger control  
panel  
支腿控制面板

Steering column  
方向柱

Pedals  
踏板布置

Upper control panel  
辅助面板

Emergency stop  
switch  
急停开关

Bubble level  
水平仪

Cup holder  
水杯托

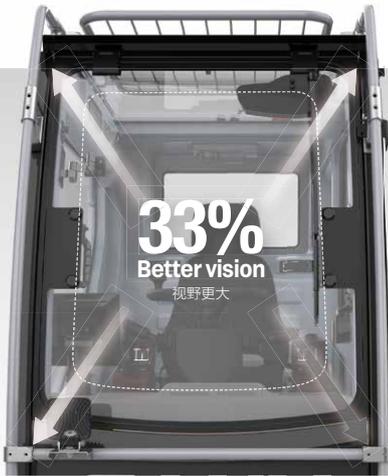
Joystick  
手柄

Joystick  
手柄

Left control panel  
左扶手箱控制面板

Right control panel &  
LMI navigation knob  
右扶手箱控制面板

Armrest  
扶手箱



Integrating SUV genes, overall space is enlarged by 10% and forward field of vision is increased by 33%. The front windshield can be opened by 70 degrees, providing better ventilation and a second emergency exit.

融入 SUV 基因, 整体空间增大 10%, 配备超大可开合 70° 前挡风玻璃, 视野提升 33%, 增加空气对流, 并可作为快速逃生通道。



Sliding door transits between tracks when closing to make perfect thermal and acoustical insulation.

侧向变轨, 滑移门完美隔绝外部环境。

Getting in and out is made more convenient with the power sliding side step.

全宽电动伸缩踏板, 超大安全便利进出通道。

## SPECIFICATION

Adjustable steering wheel for driving and controlling, modular control panels, and smart user interface deliver intuitive and highly efficient control.

驾控一体的方向盘、模块化控制面板、UI 智能操作界面，操作简单，为高效吊装保驾护航。

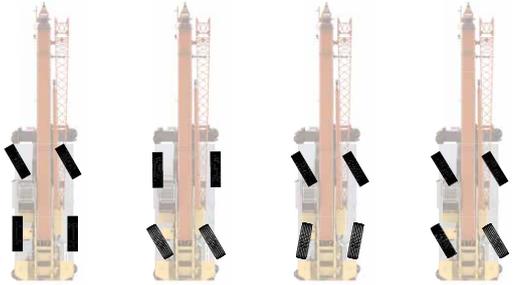


# Convenient Transport

行驶运输便捷性

## Four steering modes

四种转向模型



2 wheel front 前轮转向模式

2 wheel rear 后轮转向模式

4 wheel 四轮转向模式

Crab 蟹行模式



Steering control panel  
转向控制面板

## One-Trailer Transport

一车整运

The basic machine is transported at 52t with counterweight, jib and hooks, 3.34m wide and 3.83m high, satisfying road regulations.

主机运输尺寸为宽 3.34m, 高 3.83m, 重量为 52t (带配重、副臂和吊钩), 满足道路运输要求。



## Axle Load Distribution

轴荷分布

Items 项目	Weight (kg) 重量	Load on front axle (kg) 前轴轴荷	Load on rear axle (kg) 后轴轴荷
Basic machine 主机	52000	27500	24500
Counterweight 配重	9500	-3100	12600
Fixed jib 副臂	1100	1800	-700
Aux. boom nose 臂尖滑轮	50	150	-100
Main hook 主钩	70t	690	-1270
Auxiliary hook 副钩	8t	160	-80

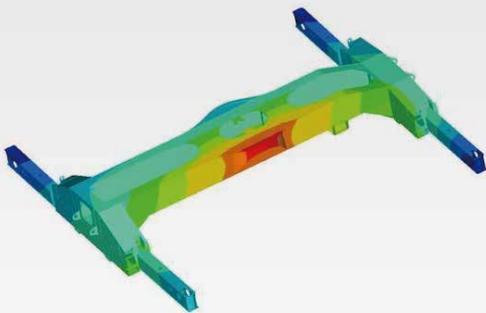
Note: boom angle remains 0°  
起重臂角度 0°

## Carrier Frame

车架底盘

Inverted trapezoidal variable cross section frame is 5% less in weight and 10% stronger in rigidity.

倒梯形变截面车架, 实现车架减重 5% 的同时, 刚性提升 10%。

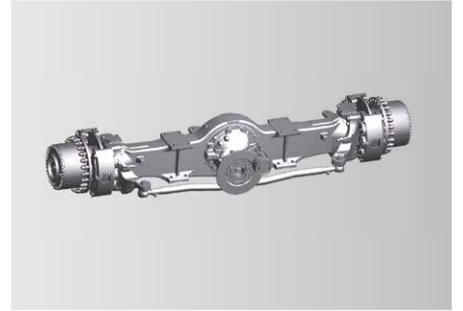
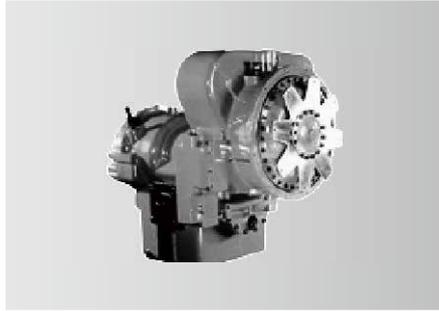
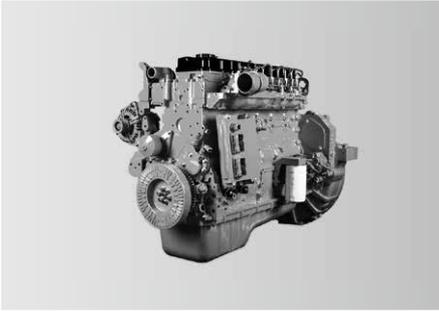


↓ 5%  
Weight 重量

↑ 10%  
Rigidity 刚性

# Power Train

## 动力系统



### Engine

Power comes from a DF Cummins QSB6.7 inline six-cylinder water-cooled, turbocharged and intercooled off-highway diesel engine, complying with Stage III emission standard.  
Rated power: 194kW/2400rpm.  
Max. torque: 990N·m/1500rpm.

### 发动机

东风康明斯 QSB6.7 三阶段非道路直列六缸水冷、增压中冷柴油发动机。  
额定功率 :194kW/2400rpm。  
最大扭矩 :990N·m/1500rpm。

### Transmission

Dana electronically controlled auto transmission features 6 speeds forward and 6 speeds reverse, wide ratio range, and smooth gearshift with reduced maintenance cost.

### 变速箱

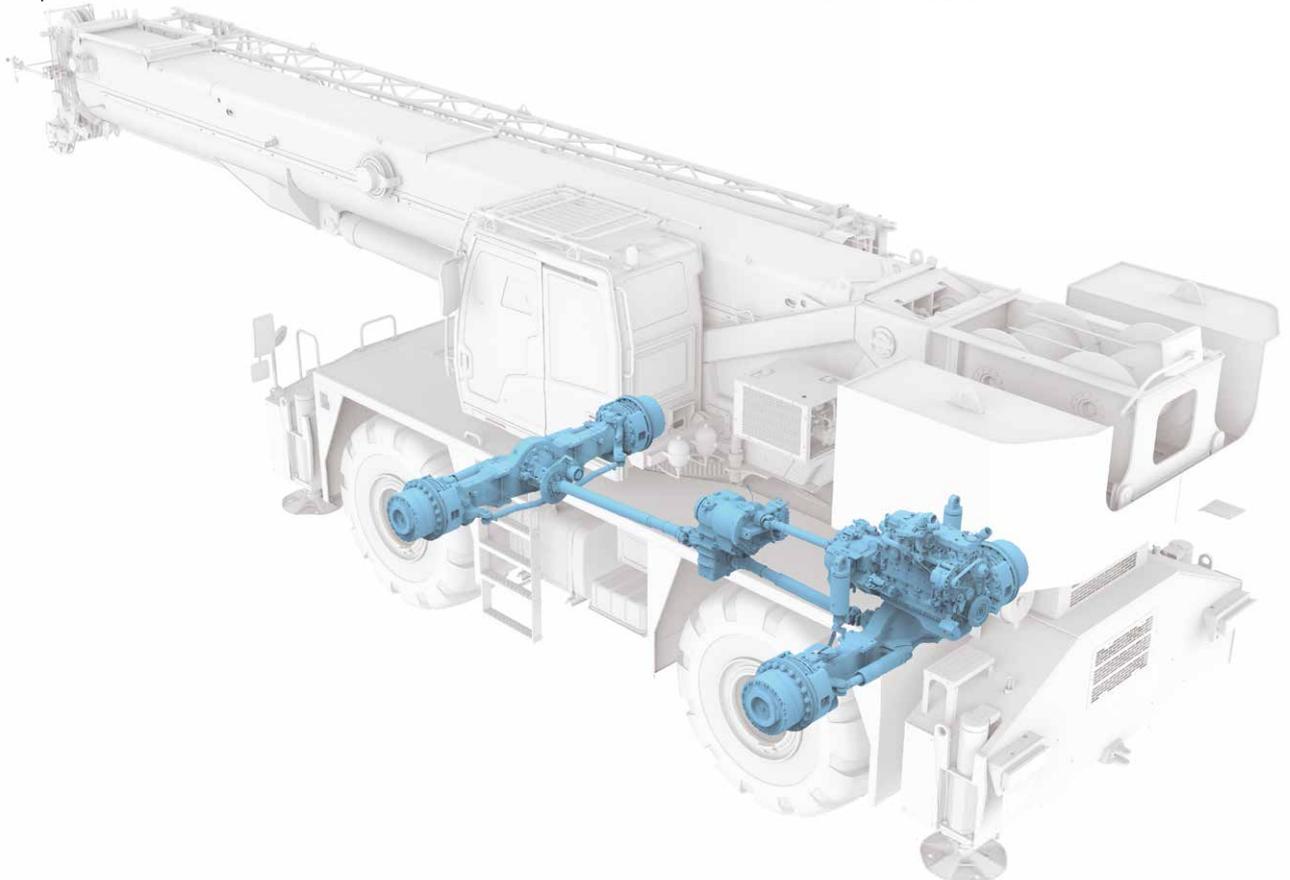
德纳全自动电控变速箱,6 个前进挡、6 个后退挡,速比范围大,换挡平顺无冲击,维修保养成本低。

### Axle and suspension

Both axles are driven and steered. Front axle is mounted to the frame by independent steel plate, and rear adopts oscillation cylinders with hydraulic lockout. Driving comfort and lateral stability is therefore guaranteed on rough terrains and conditions.

### 车桥悬挂

前后桥均为驱动桥和转向桥。前桥采用独立式钢板连接,后桥采用摆动支架式,液压油缸闭锁悬架系统;能适用各种恶劣工况和路面,保证车辆行驶的平顺性和侧翻稳定性,驾驶舒适。



# Electrical System

## 电气系统

### Smart CAN-BUS communication system

International advanced CAN-BUS data communication network applied for display, instrument panel, I/O module, joysticks and main sensors, allowing for high-speed data transmission and quick response in less than 20ms.

### Winch camera (optional)

Winch cameras equipped for monitoring its working condition and identifying rope disorder in time.

### Integrated bus button panel input

Various operating states displayed by button indicator lights, and one-button multi-functional operation realizable by writing various operation modes.

### 智能总线通信系统

国际先进的分布式集成总线数据通信网络，显示器、显示仪表、I/O 模块、操作手柄、主要传感器等采用 CAN 总线组网，高速信息传输、响应速度小于 20ms。

### 卷扬监控系统(选配)

卷扬摄像头监视卷扬工作及及时发现乱绳的情况。

### 集成总线按键面板输入

可通过按键指示灯显示各种工作状态，通过写入多种操作模式实现一键多功能。



Centralized electric cabinet  
集中式电控箱



Anti-two-block switch  
高度限位器



Third wrap indicator  
三圈保护器



Cable reel  
电缆卷筒



Anemometer  
风速仪

**Multi-functional screen**

Large 10.1 inch HD touch screen display with all new interface. Incorporated crane setup, load charts, working conditions, working period, virtual wall, Bluetooth, radio and diagnostics with an additional navigation knob.

**Precise load moment indicator**

SANY independently developed LMI, accuracy of 0 ~ 5%.

**高新多功能显示屏**

采用 10.1 寸高清显示屏, 全新操作界面, 可实现触摸与旋钮多种方式操控。工况、力矩、发动机、变速箱、控制器 IO 点、工作时间统计等丰富的设备状态信息呈现, 集成虚拟墙、蓝牙、收音机等多种扩展功能。

**精准力矩器系统**

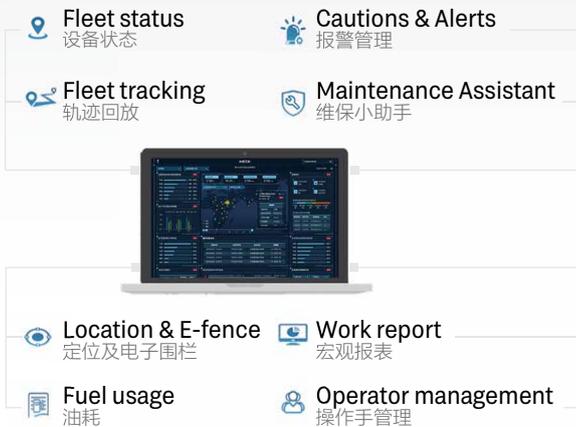
三一自主研发的力矩限制器系统, 精度达 0~5%。



**MachineLink<sup>+</sup>**

ROOTCLOUD T-AMS Pro device comes as standard to realize GPS trajectory, machine status, maintenance management, E-fence, alarm management, and operator management on computer or mobile MachineLink+ platform, by remote control of cranes. This telematics package greatly boosts efficiency of customer fleet management and helps provide better after-sales services.

标配树根物联终端 T-AMS Pro, 通过对起重机设备的远程控制, 在电脑或移动端 MachineLink+ 平台实现轨迹回放、设备状态、维保设备、电子围栏、报警管理、操作手管理等功能, 极大提高客户设备管理效率, 提升三一售后服务能力。



## Hydraulic System

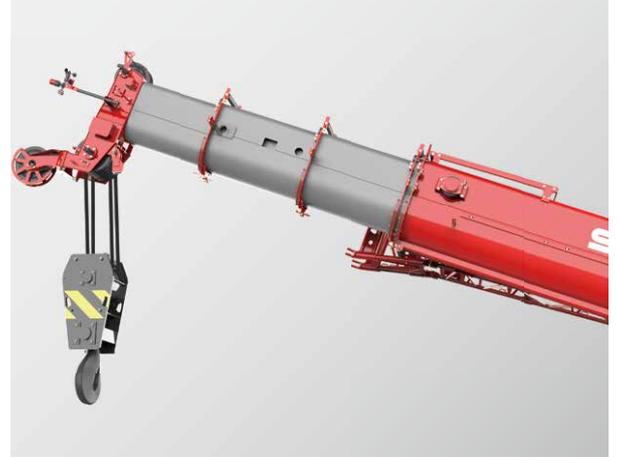
### 液压系统

Four boom sections extended by double cylinder with rope arranger, 2nd boom extended by cylinder I, 3rd ~5th sections telescoped by cylinder II with rope pull. Synchronized telescoping of variable lengths for more applications with higher efficiency.

5 节主臂，双缸绳排，一节油缸和钢丝绳伸 2 节臂，2 节油缸和钢丝绳伸 3、4、5 节臂，可实现同步伸缩，臂长任意组合，省时省力。



Telescoping mode I  
伸缩模式 1



Telescoping mode II  
伸缩模式 2

## Superstructure

### 上车

Open-type electronically controlled load-sensing system and dynamic slewing brake system.

Electro proportional compensated passive luffing-down system applied to control the luffing speed, making luffing more reliable and stable.

Dynamic slewing brake realizing precise control of slewing speed.

Electronically controlled load-sensing hydraulic system, electronic joystick and electronic throttle, ensuring easy operation and more accurate control and millisecond-level action response speed, with min. single-rope hoisting speed 0.8m/min, and distribution difference in case of combined motions 8%.

通过开式电控负载敏感系统和动态回转制动系统；

电比例自重落幅系统控制落幅速度，更可靠更平稳；

具备动态回转制动功能，可实现回转速度精准控制；

电控负载敏感液压系统，采用电手柄、电油门控制，轻松操作的同时，控制更精准；动作响应毫秒级速度；卷扬单绳最低速度 0.8m/min；复合动作分配误差 8%。

# Chassis

## 下车

### Steering system

A gear pump installed to supply oil for hydraulic steering, steering pressure controlled by electro-proportional relief valve, four steering modes realized by solenoid directional valve.

### Suspension system

Different modes including normal driving and Pick & Carry with suspension locked, suspension to be locked when the crane is working.

### Outrigger telescoping system

The electro proportional relief valve identifies pressure staging of outrigger telescoping, satisfying operation requirements under high pressure and forming protection under limited pressure.

### 转向系统

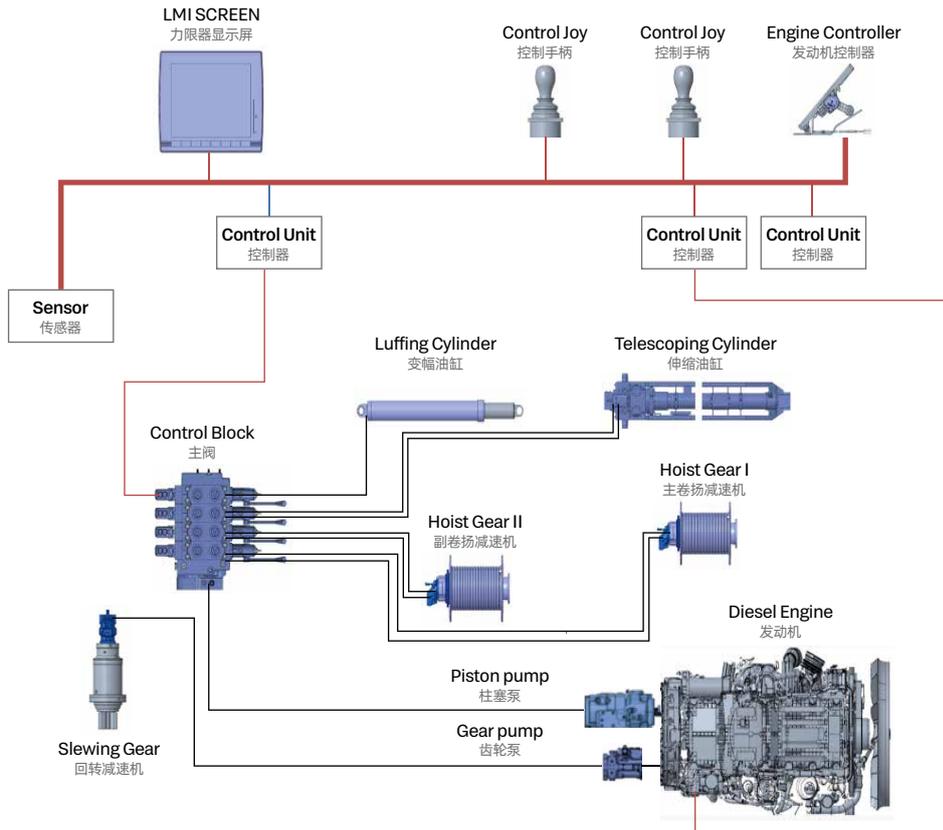
液压转向系统采用齿轮泵提供油源,通过电比例溢流阀精确控制转向压力,通过电磁换向阀实现前轮转向,后轮转向,全轮转向和蟹行转向共计四种转向模式。

### 悬挂系统

悬挂系统通过选择不同的悬挂模式可以实现正常行驶和锁定模式下的带载行驶;在起重机上车作业时能够对悬挂进行锁定。

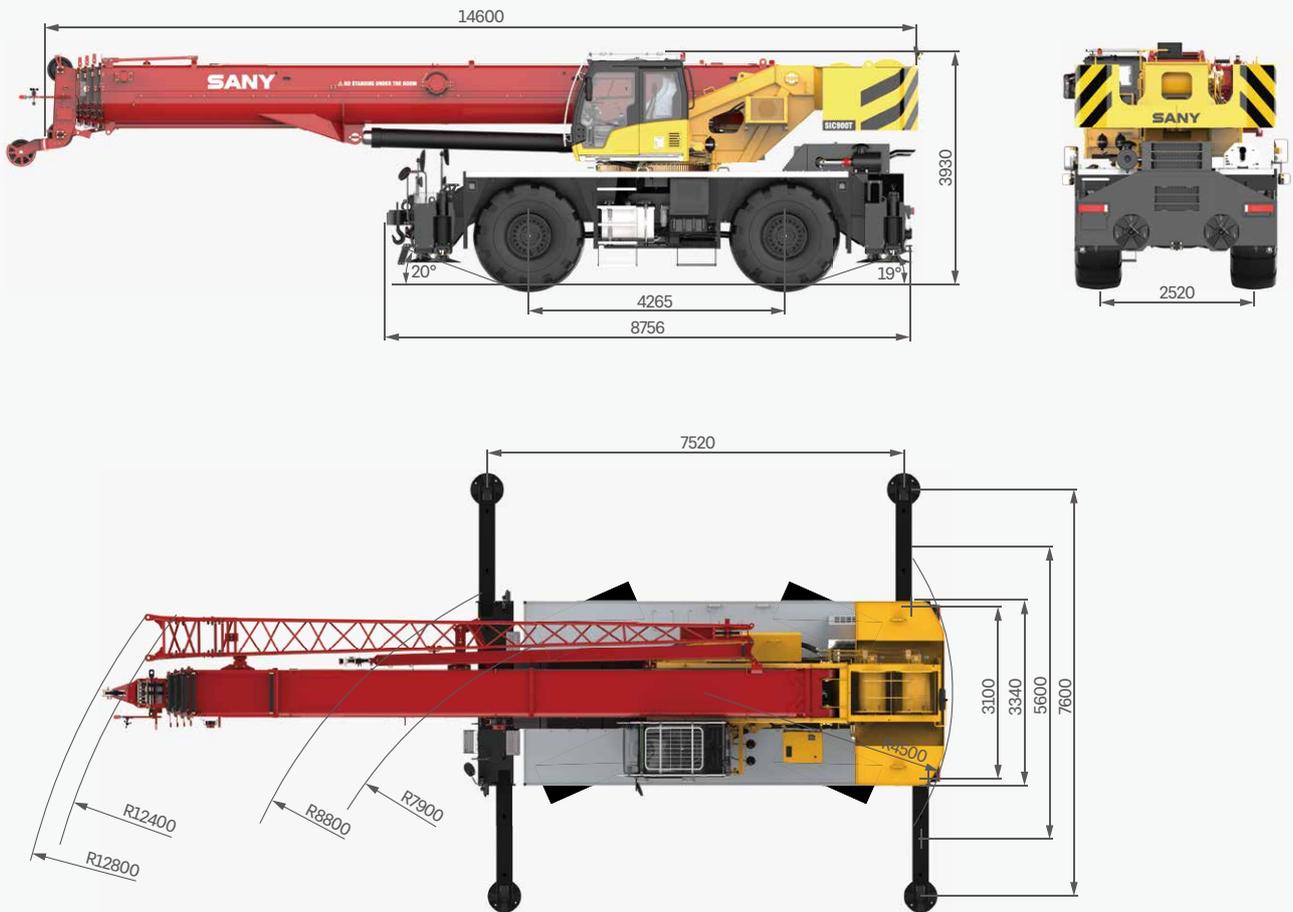
### 支腿伸缩系统

支腿伸缩采用电比例溢流阀对支腿伸缩进行压力分级,既满足高压力动作需求,也可满足限压保护功能。



# 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	80	
WEIGHT 重量参数	Gross weight 整机总质量	kg	52000	
POWER 发动机参数	Engine model 发动机型号	-	QSB6.7 (Stage III)	
	Max. engine power 发动机最大功率	kW/rpm	194/2400	
	Max. engine torque 发动机最大输出扭矩	N·m/rpm	990/1500	
DIMENSIONS 尺寸参数	Overall length 整机全长	mm	14600	
	Overall width 整机全宽	mm	3340	
	Overall height 整机全高	mm	3930	
TRAVEL 行驶参数	Max. travel speed 最高行驶速度	km/h	36	
	Min. steering radius 最小转弯半径	m	14.1/7.9	
	Wheel formula 车轮模式	-	4 × 2; 4 × 4	
	Min. ground clearance 最小离地间隙	mm	530	
	Approach angle 接近角	°	20	
	Departure angle 离去角	°	19	
	Max. gradeability 最大爬坡度	-	75%	
	Fuel consumption per 100km 每 100 公里油耗	L	80	
MAIN PERFORMANCE 主要性能参数	Working temperature range 使用温度区间	°C	-20~ +46	
	Min. rated lifting radius 最小额定幅度	m	3	
	Tail slewing radius 转台尾部回转半径	m	4.5	
	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	2734
		Full-extension boom 全伸主臂	kN·m	1380
		Full-extension boom + jib 全伸主臂 + 副臂	kN·m	646
	Boom length 臂长	Basic boom 基本臂	m	12.2
		Full-extension boom 全伸主臂	m	47.5
		Full-extension boom + jib 全伸主臂 + 副臂	m	65
	Max. lifting height 最大起重高度	Basic boom 基本臂	m	13
		Full-extension boom 全伸主臂	m	48
		Full-extension boom + jib 全伸主臂 + 副臂	m	65.5
Outrigger span (Longitudinal × Transverse) 支腿跨距 (纵 × 横)	m	7.52 × 7.6		
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	

# Technical Specification

## 整机参数



### Axle Load 轴荷

Axle 轴	1	2	Gross weight 总重量
Axle load 轴荷 /kg	27500	24500	52000
Remark 备注	Boom angle 0°, with full water and fuel reservoirs, main hook, aux hook. 起重臂角度 0°, 满水, 满油, 主钩、副钩吊臂头		



### Hook 吊钩

Rated load 额载 /t	Number of sheaves 滑轮数量	Rope rate 倍率	Hook weight/kg 吊钩重量
70	5	10	690
8	-	1	160



### 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	145m/min	20mm/250m	8.3t
Auxiliary winch 副卷扬	145m/min	20mm/145m	8.3t
Slewing speed 回转速度	2r/min		
Full luffing up/down time of boom 主臂起落幅时间	80s/85s		
Full extension/retraction time of boom 主臂伸缩时间	100s/125s		
Outrigger jack 垂直支腿	Extension 伸	40s	
	Retraction 缩	30s	
Outrigger beam 水平支腿	Extension 伸	20s	
	Retraction 缩	15s	

# Crane Introduction

## 整机介绍

Carrier 下车

### Carrier frame 车架

- Double longitudinal beam construction welded by high strength steel plate, higher bearing capacity.
- 车架为高强度钢板焊接而成的双纵梁结构，承载能力强。

### Engine 发动机

- Model: DF Cummins QSB6.7 inline six-cylinder diesel engine with watercooler and inter cooler.
- Rate power: 194kW/2400rpm.
- Emission standard: Stage III.
- Fuel reservoir capacity: 350L.
- 型号：东风康明斯 QSB6.7 直列六缸、水冷却、增压中冷、柴油发动机。
- 额定功率：194kW/2400rpm。
- 排放标准：符合 III 阶段。
- 油箱容积：350L。

### Transmission 变速箱

- Auto-transmission, 6 forward gears and 6 reverse gears, large speed ratio range, adaptable to slope climbing and high-speed traveling.
- 自动变速箱，变速箱有 6 个前进档、6 个后退档，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。

### Axle 车桥

- Two axle chassis of flexible maneuverability, four-wheel drive, excellent dynamic performance.
- 操控灵活，底盘两桥设计，前、后桥驱动，动力性能好。

### Suspension system 悬挂

- The front is rigidly mounted, and the rear axle adopts pivot oscillation suspension with hydraulic lockout.
- 前桥刚性连接，后桥带油缸锁定枢轴摆动悬挂。

### Tires 轮胎

- Large diameter off-road 29.5-25 tires deliver large ground clearance and strong off-road agility.
- 大直径越野轮胎，离地间距大，越野性能强，轮胎型号 29.5-25。

### Braking 制动系统

- Dual circuit braking system. When one circuit fails, the other can still work normally, improving the safety and reliability of the braking system.
- 双回路制动系统，当某一回路出现故障时，另一回路仍能正常工作，提高制动系统的安全性和可靠性。

### Hydraulics 液压系统

- Adopt stable and high-quality main oil pump, enhancing system reliability. Precise parameter matching contributes to superior controllability of the vehicle.
- 采用稳定、高品质的主油泵，系统可靠性高；通过精确的参数匹配，操控性能优越。

### Outrigger 支腿

- H-type telescoping outrigger, 4-point support, with span (longitudinal × transverse) 7.52m × 7.6m.
- 采用 H 形伸缩支腿，4 点支撑，纵、横跨距 7.52m × 7.6m。

### Control system 控制系统

- CAN-BUS: The bus instrument of integrated intelligent control electrical system can display driving parameters at any time, making driving easier. At the same time, engine failure prompt makes the maintenance and troubleshooting more convenient and faster.
- All-round safety protection, the main and auxiliary hoists are equipped with three-circle indicators and A2B switches to prevent over-hoist-down and over winding of the wire ropes.
- Load moment indicator: It adopts highly intelligent moment indicator system to fully protect lifting operation and ensure accuracy, stability and comfort.
- 总线仪表：采用集成一体智能控制电气系统的总线仪表，可随时掌控行驾参数，驾乘轻松；同时拥有发动机故障提示功能，维修排故方便、快捷。
- 全方位的安全保护系统，主、副卷扬配置三圈保护器和高度限位器，防止钢丝绳过放和过卷，防倾翻保护，极限角度保护。
- 力 limiter：采用高度智能力矩限制器系统，全方位保护吊载作业，确保操作精准、平稳、舒适。

# Crane Introduction

## 整机介绍

superstructure 上车

### Operator's cab 操纵室

- New generation T-series operator's cab features curved-rail sliding door, safety glass and corrosion resistant steel construction with softened interior trim. Large internal space with panoramic skylight, adjustable seat and other user-friendly design incl. A/C, electric wiper, making it more comfortable and easier to work. The LMI screen is equipped to realize the logic integration of the control console and the display, so that all working data can be seen at a glance.
- 全新一代 T 系列操纵室，带变轨滑移门，配备安全玻璃，耐腐蚀钢板，配置软化内饰、超大内部空间、可调式座椅等人性化设计，配有空调、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。

### Boom system 臂架系统

- Boom: Five-section, basic boom 12.2m, full-extension 47.5m, made of high-strength welded structural steel with U-shape cross-section.
- Jib: Two-section, 10.2m / 17.5m, offset at 0°, 15°, 30°.
- 主臂：五节臂，基本臂 12.2m，全伸臂 47.5m，由高强度焊接结构钢制成，U 形截面。
- 副臂：两节副臂，分别为 10.2m 和 17.5m，安装角度为 0°，15°，30°。

### Slewing platform 转台结构

- SANY independently developed, made of fine grain high strength steel in optimized structure.
- 三一自主设计，结构更优化，由细晶粒高强度钢制成。

### Hydraulics 液压系统

- Load sensing variable piston pump can adjust displacement in real time to achieve high precision flow control, greatly reducing energy loss.
- Winch adopts electronically controlled variable motor with high operation efficiency. Max. single rope speed of main and auxiliary winch is 145m/min.
- Slewing system integrating slewing buffer and free swing technology, start & brake process is smoother and the inching motion performance is ever better.
- 采用负载敏感变量柱塞泵，能实时调节油泵排量，实现高精度的流量控制，极大的降低能量损耗。
- 卷扬采用电控变量马达，作业效率高；主、副卷扬单绳速度最大达 145m/min。
- 回转系统带集成回转缓冲阀，具有自由滑转功能，回转启动和控制平稳，微动性卓越。

### Hoist 起升机构

- Pump and motor double variable speed regulation, highly efficient and energy saving. Balance valve and unique anti-hook-slip technology are perfectly coupled to achieve smooth rise and fall of the load. Nonrotation high strength wire rope is used.
- 泵、马达双变量调速，高效节能。卷扬平衡阀与独特的防溜钩技术完美结合，重物起落平稳。配备防旋转高强度钢丝绳。

### Luffing system 变幅系统

- Double acting single rod hydraulic cylinder with balance valve, luffing angle: -2° ~ 80°. Passive luffing down, reducing energy consumption, improving luffing stability.
- 双作用单活塞杆液压缸，带安全平衡阀，变幅角度：-2°~80°，采用自重落幅系统，降低能耗，提高落幅操作的平稳性。

### Slewing 回转系统

- 360° slewing in both directions, max. speed 2r/min. It adopts electro proportional speed control for stable movement and system reliability. The unique slewing balance design makes the braking smoother.
- 360° 转动，最大回转速度 2r/min。液控比例调速控制，动作稳定，系统可靠。独特的回转缓冲设计，制动更平稳。

### Counterweight 配重

- Fixed block 9.5t.
- 固定配重 9.5t。

### Safety equipment 安全装置

- Load moment indicator: Analytical mechanics is applied and moment limiter calculation system based on the hoisting mechanics model is established. Through online empty-load calibration, the rated accuracy can reach 0-5% to fully protect the hoisting operation. In case of overload, the system will automatically give an alarm to guarantee safety operation.
- The hydraulic system includes balance valve, relief valve, two-way holding valve, etc. to realize system stability and reliability.
- The main and auxiliary winches are equipped with third-wrap indicators to prevent over-hoist-down of the wire rope.
- Boom head and jib head are equipped with A2B switches to prevent the wire rope from over winding.
- The length & angle sensor and pressure sensor are equipped to signify working status in real time, automatically stopping hazardous actions with 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 0-5%，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，防止钢丝绳过卷。
- 主、副臂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。

### Optional equipment at extra fees 选配

- Specialized tires for desert traveling / Slewing buzzer / Navigation beacon / Front towing device / Reversing image / Winch camera / Boom tip camera / Spark arrester / Air intake shutoff valve / Inflator / other equipment available upon request
- 沙漠胎 / 回转蜂鸣器 / 航标灯 / 前拖钩 / 倒车影像 / 卷扬摄像头 / 臂尖摄像头 / 火星灭火器 / 发动机进气关断阀 / 打气泵 / 其他选配视需求定

# Working Conditions

工况组合



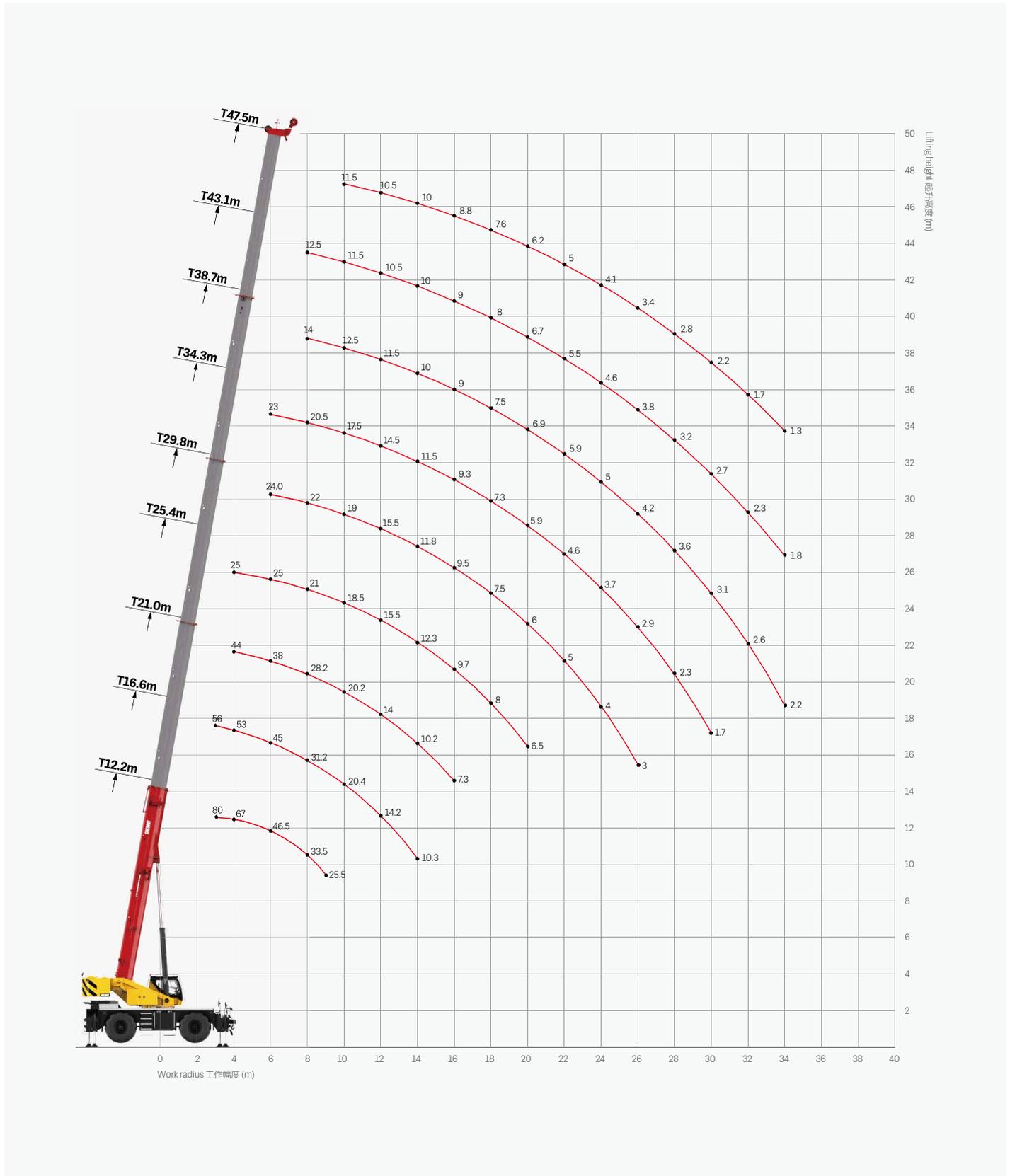
Telescopic boom on outriggers  
主臂、支腿吊载

Fixed jib on outriggers  
固定副臂、支腿吊载

Telescopic boom on tires  
主臂、轮胎吊载

# Operating Range - Telescopic Boom

## 起升高度曲线 - 主臂



# Load Chart-Telescopic Boom

## 性能表 - 主臂

Unit: kg

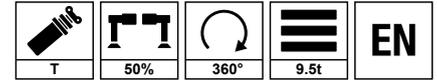


	12.2m	16.6m	18.8m	21.0m	23.2m	25.4m	27.6m	29.8m	32.0m	34.3m	36.5m	38.7m	40.9m	43.1m	47.5m		
3.0	80000	56000	30500													3.0	
3.5	74500	54000	30500	44000	30000											3.5	
4.0	67000	53000	30500	44000	30000	25000										4.0	
4.5	61000	50000	30500	43000	30000	25000	29500									4.5	
5.0	55500	47000	30500	41500	30000	25000	29500	24000								5.0	
5.5	50500	46000	30500	40000	30000	25000	29500	24000	19000							5.5	
6.0	46500	45000	29500	38000	29000	25000	28000	24000	19000	23000						6.0	
6.5	42500	42000	28500	35000	28500	24000	27000	24000	19000	23000	18000					6.5	
7.0	39000	38500	27500	33500	28000	23000	26000	24000	18500	23000	18000	14000				7.0	
7.5	36000	34500	27000	30300	27000	22000	25000	23000	18000	22000	18000	14000	17000			7.5	
8.0	33500	31200	26500	28200	26500	21000	23500	22000	17000	20500	17000	14000	17000	12500		8.0	
9.0	25500	25000	25000	24200	25000	20000	22000	20000	16000	19300	16000	13500	15500	12000	11500	9.0	
10.0		20400	21200	20200	21200	18500	19500	19000	14500	17500	15000	12500	14500	11500	11500	10.0	
11.0		16900	17700	17000	17800	17500	16500	17800	13000	16000	14000	12000	13500	11000	11500	11.0	
12.0		14200	15200	14000	15200	15500	14000	15500	11500	14500	13000	11500	12500	10500	10500	12.0	
14.0		10300	11700	10200	11400	12300	10500	11800	10000	11500	11000	10000	10600	10000	10000	14.0	
16.0				7300	8800	9700	8000	9500	9000	9300	9500	9000	8500	9000	8800	16.0	
18.0					6700	8000	6200	7500	7600	7300	7700	7500	7300	8000	7600	18.0	
20.0						6500	4800	6000	6700	5900	6400	6900	5900	6700	6200	20.0	
22.0							3800	5000	5700	4600	5200	5900	4900	5500	5000	22.0	
24.0							2800	4000	4800	3700	4200	5000	4000	4600	4100	24.0	
26.0								3000	4000	2900	3500	4200	3100	3800	3400	26.0	
28.0									3200	2300	2800	3600	2400	3200	2800	28.0	
30.0										1700	2300	3100	1900	2700	2200	30.0	
32.0												1700	2600	2300	1700	32.0	
34.0													2200	1800	1300	34.0	
	2#	0%	50%	0%	100%	50%	0%	100%	50%	0%	100%	50%	0%	100%	50%	100%	2#
	3#	0%	0%	25%	0%	25%	50%	25%	50%	75%	50%	75%	100%	75%	100%	100%	3#
	4#	0%	0%	25%	0%	25%	50%	25%	50%	75%	50%	75%	100%	75%	100%	100%	4#
	5#	0%	0%	25%	0%	25%	50%	25%	50%	75%	50%	75%	100%	75%	100%	100%	5#
		12	8	6	6	6	4	6	4	4	4	4	4	4	3		
		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	37°	32°	38°	
		15000	8000	5000	3200	3000	3000	1200	1500	1800	800	800	800	800	800	800	

# Load Chart-Telescopic Boom

## 性能表 - 主臂

Unit: kg

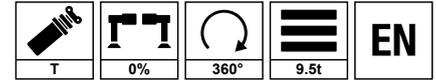


	12.2m	16.6m	18.8m	21.0m	23.2m	25.4m	27.6m	29.8m	32.0m	34.3m	36.5m	38.7m	40.9m	43.1m	47.5m		
3.0	70000	50000	28000													3.0	
3.5	63000	49000	28000	40000	27000											3.5	
4.0	58000	48000	28000	40000	27000	23500										4.0	
4.5	53000	47000	28000	38000	27000	23500	26000									4.5	
5.0	44000	42000	28000	36000	27000	23500	26000	23000								5.0	
5.5	35000	35500	28000	33000	27000	23500	26000	23000	17000							5.5	
6.0	29500	30000	28000	28000	27000	23500	26000	23000	17000	22000						6.0	
6.5	25000	25000	26000	23500	26000	22000	25000	23000	17000	22000	16000					6.5	
7.0	21500	21000	23500	20500	22500	21000	22000	21500	17000	22000	16000	13000				7.0	
7.5	18500	19000	20500	18400	19500	20000	19500	20000	16000	20000	16000	13000	15000			7.5	
8.0	16500	16500	18000	16300	17500	19000	17000	18300	15000	17500	16000	13000	15000	11000		8.0	
9.0	13000	13000	14500	12500	14000	15500	14000	14800	14000	14400	15000	12000	14000	11000	10500	9.0	
10.0		10500	12000	10200	11500	12800	11500	12200	12500	11700	12600	11500	12200	10500	10500	10.0	
11.0		8500	10000	8500	9500	11000	9500	10100	11000	9600	10500	10500	10200	10000	10500	11.0	
12.0		6500	8300	7000	8000	9200	8000	8600	9500	8000	9000	9600	8600	9500	9100	12.0	
14.0		4500	6000	4500	5600	7000	5600	6400	7200	5800	6800	7600	6400	7100	6700	14.0	
16.0				3200	4000	5300	4100	4800	5600	4300	5200	6000	4800	5500	5100	16.0	
18.0					3000	4200	3000	3600	4500	3200	4000	4600	3700	4200	3900	18.0	
20.0						3200	2000	2800	3500	2300	3000	3700	2800	3300	3000	20.0	
22.0								2200	2800	1600	2200	2900	2000	2500	2200	22.0	
24.0								1500	2200		1600	2300	1400	1900	1600	24.0	
26.0									1600			1700		1400		26.0	
	2#	0%	50%	0%	100%	50%	0%	100%	50%	0%	100%	50%	0%	100%	50%	100%	2#
	3#	0%	0%	25%	0%	25%	50%	25%	50%	75%	50%	75%	100%	75%	100%	100%	3#
	4#	0%	0%	25%	0%	25%	50%	25%	50%	75%	50%	75%	100%	75%	100%	100%	4#
	5#	0%	0%	25%	0%	25%	50%	25%	50%	75%	50%	75%	100%	75%	100%	100%	5#
	10	8	6	6	6	4	6	4	4	4	4	4	4	4	3		
	0°	0°	0°	0°	0°	0°	36°	28°	27°	44°	43°	44°	50°	49°	56°		
	10000	3000	3000	1000	1000	1000	1000	800	800	800	800	800	800	800	800		

# Load Chart-Telescopic Boom

## 性能表 - 主臂

Unit: kg



m	12.2m	16.6m	18.8m	21.0m	23.2m	25.4m	27.6m	29.8m	32.0m	34.3m	36.5m	38.7m	40.9m	43.1m	47.5m	m	
3.0	45000	42000														3.0	
3.5	35000	32500	26000	31000	25000											3.5	
4.0	28000	27500	25000	27000	25000	21500										4.0	
4.5	23000	22500	24000	22000	22000	20500	22000									4.5	
5.0	19000	18500	20000	18000	19000	19500	18500	19500								5.0	
5.5	16000	15500	17200	15000	16000	18000	15500	16500	15000							5.5	
6.0	13500	13500	14500	12500	13800	16000	13500	14500	14000	14500						6.0	
6.5	11500	11500	12500	11000	12000	14000	11500	12500	13000	12500	13000					6.5	
7.0	10000	10000	11000	9500	10500	12000	10000	11000	12200	11000	11600	12000				7.0	
7.5	9000	8500	10000	8200	9500	10500	9000	10000	11000	9500	10300	11000	10500			7.5	
8.0	8000	7500	9000	7200	8500	9500	8000	9000	10000	8600	9600	10000	9500	10000		8.0	
9.0	6500	5900	7000	5500	6600	8000	6400	7500	8300	7000	7800	8500	7500	8200	7800	9.0	
10.0		4400	6200	4000	5500	6500	5000	6000	7000	5800	6500	7100	6000	6600	6500	10.0	
11.0		3200	5100	3100	4500	5500	4200	5000	5700	4800	5300	5900	5000	5500	5200	11.0	
12.0		2300	4200	2200	3500	4500	3300	4100	4900	3700	4500	5000	4100	4600	4300	12.0	
14.0			2800		2000	3200	1500	2700	3600	1900	3000	3800	2600	3300	3000	14.0	
16.0						2300		1300	2600		1700	2500	1500	2000	1800	16.0	
18.0									1700			1700				18.0	
	2#	0%	50%	0%	100%	50%	0%	100%	50%	0%	100%	50%	0%	100%	50%	100%	2#
	3#	0%	0%	25%	0%	25%	50%	25%	50%	75%	50%	75%	100%	75%	100%	100%	3#
	4#	0%	0%	25%	0%	25%	50%	25%	50%	75%	50%	75%	100%	75%	100%	100%	4#
	5#	0%	0%	25%	0%	25%	50%	25%	50%	75%	50%	75%	100%	75%	100%	100%	5#
	6	6	4	5	4	4	4	4	4	4	4	4	4	4	3		
	71°	78°	76°	80°	80°	79°	80°	80°	80°	80°	80°	80°	80°	80°	80°		
	0°	32°	31°	48°	46°	44°	53°	53°	51°	61°	60°	58°	63°	64°	67°		
	3000	800	800	800	800	800	800	800	800	800	800	800	800	800	800		

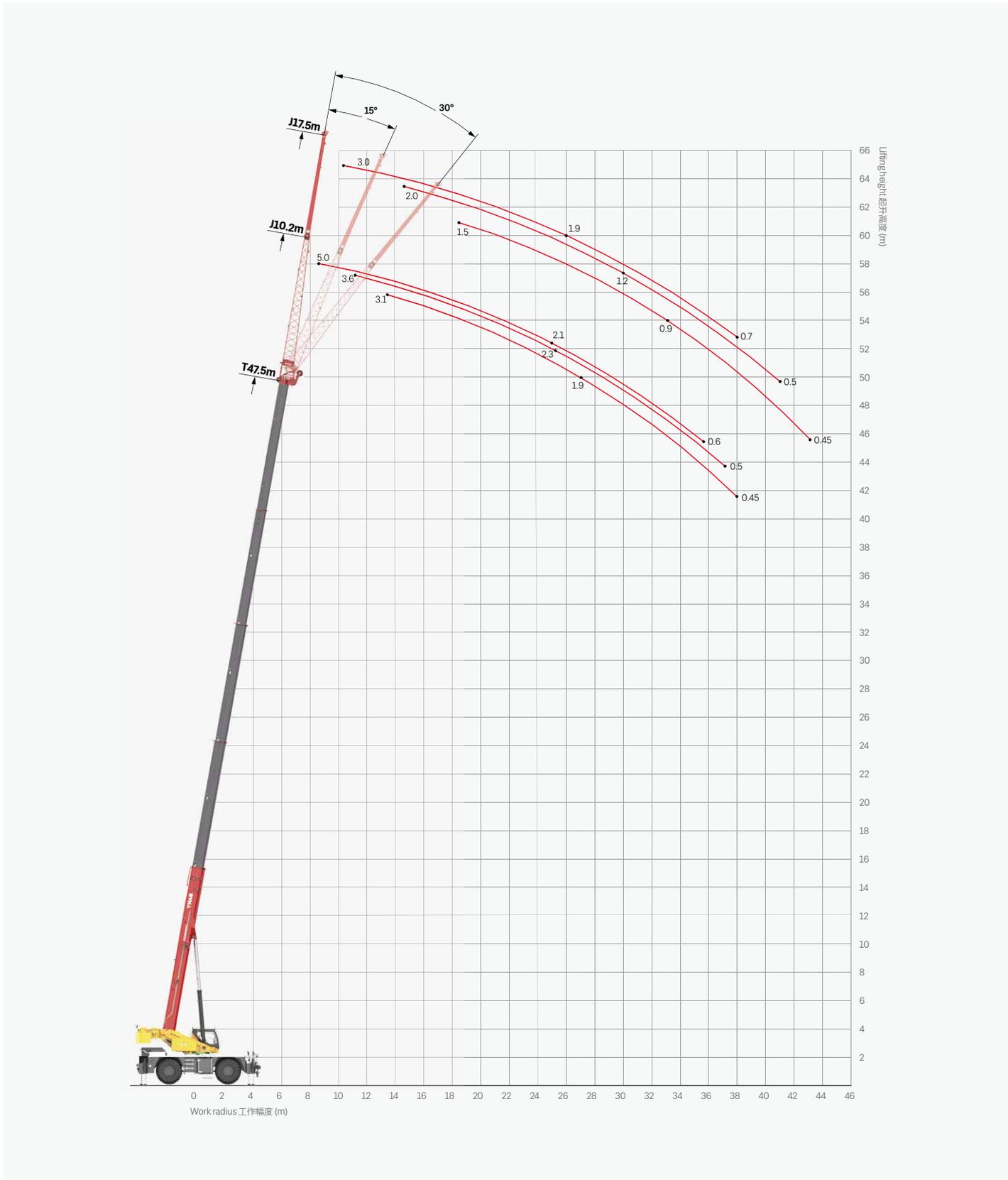
**Remark**

1. Load capacity in the chart is the maximum weight which this crane could hoist include the weight of hook blocks and riggings.
2. Radius shown in the chart is the actual radius when loading.
3. The load capacity in the chart is the maximum weight when this crane is supported with the firm ground and stays in level.
4. Choose rated load capacity of the longer boom and radius when the actual boom length and radius are between two values in the charts.
5. The machine can be used only when the wind power is less than grade 6.

1. 性能表中额定起重量包括起重钩和吊具的重量。
2. 性能表中工作幅度是指吊载后的实际幅度。
3. 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最大起重量。
4. 如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重作业。
5. 起重作业风力等级需低于 6 级。

# Operating Range - Fixed Jib

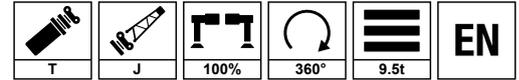
起升高度曲线 - 副臂



# Load Chart - Fixed Jib

## 性能表 - 副臂

Unit: kg

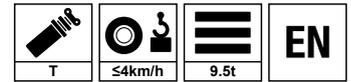


	47.5m+10.2m						47.5m+17.5m						
	0°		15°		30°		0°		15°		30°		
	R (m) 幅度	W (kg) 吊载											
80	7.8	5000	10.4	3600	12.6	3100	9.1	3000	13.4	2000	17.3	1500	80
78	9.8	4800	12.3	3500	14.5	3000	11.3	2900	15.6	1900	19.4	1450	78
76	11.8	4400	14.2	3400	16.4	2900	13.5	2800	17.8	1800	21.4	1400	76
74	13.7	4000	16.1	3300	18.2	2800	15.7	2700	19.9	1700	23.5	1350	74
72	15.6	3700	18.0	3200	20.1	2700	17.9	2600	22.0	1600	25.5	1300	72
70	17.5	3500	19.9	3000	21.9	2600	20.0	2500	24.1	1500	27.5	1200	70
68	19.4	3400	21.7	2800	23.6	2500	22.1	2300	26.1	1400	29.4	1100	68
66	21.3	3000	23.5	2600	25.4	2200	24.2	2100	28.1	1300	31.3	1000	66
64	23.1	2500	25.3	2300	27.1	1900	26.3	1900	30.1	1200	33.1	900	64
62	24.9	2100	27.1	1900	28.7	1700	28.3	1700	32.0	1100	34.9	850	62
60	26.7	1800	28.8	1600	30.4	1300	30.3	1500	33.9	1000	36.7	800	60
58	28.4	1500	30.4	1300	32.0	1200	32.2	1300	35.8	900	38.4	700	58
56	30.1	1300	32.1	1000	33.5	900	34.1	1100	37.6	800	40.1	650	56
54	31.7	1000	33.6	800	35.0	700	36.0	900	39.3	700	41.7	550	54
52	33.3	750	35.2	650	36.5	600	37.8	700	41.0	500	43.3	450	52
50	34.9	600	36.7	500	37.9	450							50
	49°		49°		49°		51°		51°		51°		
	500		400		300		500		400		300		

# Load Chart - Telescopic Boom, Pick & Carry, Load Over Front

## 性能表 - 主臂帶載行駛 (正前方)

Unit: kg



	12.2m	18.8m	25.4m		
4.0	14000	13500	13000	4.0	
4.5	12500	13000	12500	4.5	
5.0	11500	11500	11500	5.0	
5.5	10500	10500	11000	5.5	
6.0	9500	10000	10500	6.0	
6.5	8500	9000	9500	6.5	
7.0	7500	8000	9000	7.0	
7.5	6800	7000	8000	7.5	
8.0	6000	6000	7000	8.0	
9.0	4400	5000	6000	9.0	
10.0		4500	5000	10.0	
11.0		3800	4200	11.0	
12.0		3000	3500	12.0	
14.0		2000	2500	14.0	
16.0			1800	16.0	
	2#	0%	0%	0%	2#
	3#	0%	25%	50%	3#
	4#	0%	25%	50%	4#
	5#	0%	25%	50%	5#
	4	4	4	4	
	80°	80°	80°	80°	
	0°	0°	44°	44°	
	2000	800	800	800	

# Load Chart - Telescopic Boom, On Tires Stationary, Load Over Front

## 性能表 - 轮胎静止吊载 (正前方)

Unit: kg



	12.2m	18.8m	25.4m		
4.0	22500	22000	21000	4.0	
4.5	20500	20000	19500	4.5	
5.0	18500	18000	18000	5.0	
5.5	17000	16500	16000	5.5	
6.0	15000	15000	15000	6.0	
6.5	13000	13500	14000	6.5	
7.0	11000	12500	13000	7.0	
7.5	10000	11000	11500	7.5	
8.0	8800	10000	10500	8.0	
9.0	6800	8000	8500	9.0	
10.0		6500	7000	10.0	
11.0		5400	6000	11.0	
12.0		4400	4800	12.0	
14.0		3000	3400	14.0	
16.0			2300	16.0	
18.0			1500	18.0	
	2#	0%	0%	0%	2#
	3#	0%	25%	50%	3#
	4#	0%	25%	50%	4#
	5#	0%	25%	50%	5#
	4	4	4	4	
	80°	80°	80°	80°	
	0°	0°	37°	37°	
	4000	1000	800	800	

# Load Chart - Telescopic Boom, On Tires Stationary, 360° Slewing

## 性能表 - 轮胎静止吊载(360°)

Unit: kg



	12.2m	18.8m	25.4m		
4.5	12500			4.5	
5.0	10500			5.0	
5.5	8500	9500		5.5	
6.0	7500	8500		6.0	
6.5	6500	7000	8000	6.5	
7.0	5500	6000	7000	7.0	
7.5	4500	5500	6000	7.5	
8.0	3500	4700	5500	8.0	
9.0	2500	3800	4500	9.0	
10.0		3000	3500	10.0	
11.0		2000	2800	11.0	
12.0			2200	12.0	
	2#	0%	0%	0%	2#
	3#	0%	25%	50%	3#
	4#	0%	25%	50%	4#
	5#	0%	25%	50%	5#
	4	4	4		
	64°	70°	74°		
	25°	46°	56°		
	800	800	800		

**Remark**

- Capacities are applicable at 525kPa cold tire inflation pressure.
  - Capacities are applicable only with machine on firm level surface.
  - On tire lifting with the jib mounted is not permitted.
  - Axle lockouts must be applied when lifting on tires.
  - Parking brake must be applied when lifting on tires stationary.
  - Driving speed shall be ~4km/h at pick & carry mode.
- 冷态轮胎气压需保持 525kPa。
  - 起重机需在平整坚固的地面上作业。
  - 轮胎吊载工况不允许使用副臂吊载。
  - 轮胎吊载工况中，车桥悬挂需锁定。
  - 轮胎静止吊载工况中，需使用驻车制动。
  - 带载行驶工况中，直线行驶速度需小于等于 4km/h。



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Reminder:

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