



70m



17.5m



97.5m



3557kN·m



36t



# STC1000C7-8 (2025 Year)

SANY TRUCK CRANE

[www.sanygroup.com](http://www.sanygroup.com)  
January 2025 edition



QUALITY CHANGES THE WORLD

The parameters, pictures and configurations in the brochure are for reference only. The actual configuration shall be subject to the actual product.



## ► Table of contents

### Contents

# Truck Crane

Sany Truck Crane



## 01

### Introduction

Machine advantages ► 04

## 02

### Overall Dimensions

Vehicle size ► 06

## 03

### Technical Specification

Main technical parameters ► 07

## 04

### Crane Introduction

Machine Configuration ► 08

## 05

### Counterweight Combinations

Weight combination diagram ► 09

## 06

### On-Site Heavy-Duty Driving Solutions

Overload transition diagram ► 10

## 07

### Working Range + Load Charts

Lifting height curve + lifting performance table Main boom (T) ► 11  
Main boom + jib (TJ)  
Main boom + extension boom + jib (TEJ)



# 01 Machine advantages

Introduce

## Excellent performance True 3m chassis

- High-load-bearing 3m axle + third-generation hybrid frame, frame cross-section  $\nearrow$ 5%, load-bearing capacity  $\nearrow$ 10%, and lifting performance leading by 5%.

## Control system i-EHC 2.0 system

- Dual-rotation + working condition adaptive system, leading in stability by 50%, leading in rotation torque Dual-rotation + working condition adaptive system, leading in stability by 50%, leading in rotation torque

## The king of stand-alone games Powerful power, portable transition

- K11430 high-horsepower engine + Fast gearbox, easily carry 25t counterweight for quick transfer, wireless remote control operation, single person can easily disassemble, single machine performance leads by more than 10%.

## Energy saving and consumption reduction i-ECO 2.0 system

The engine program is specially optimized, with no downtime during long-term operation and no sensation during regeneration. It is matched with the new variable power pump technology, with an engine speed of 25% and operating fuel consumption of 20%.

**STC1000C7-8 (25)**  
**SANY TRUCK CRANE**



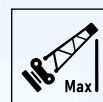




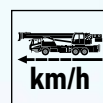
70m



17.5m



97.5m



87km/h



36t



8.4m(5.55m)×6.64m



316kW/1900rpm



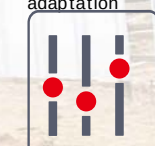
Split-Joint  
Technology



Rotational  
condition  
adaptation



Intelligent one-  
key  
telescopic



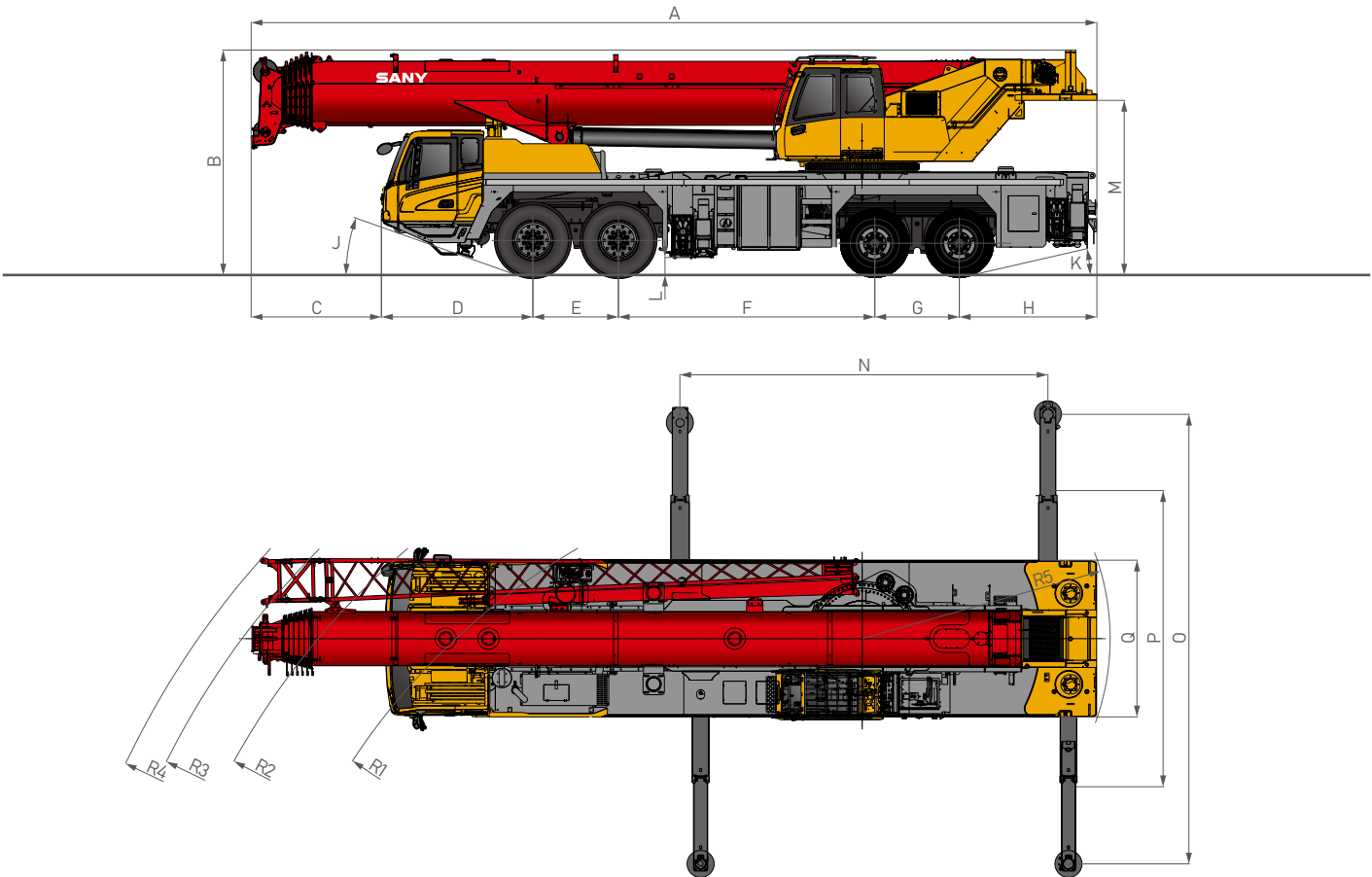
Multi-gear control



NS-Reg<sup>Tech</sup>  
Non-sensing  
regeneration  
technology



I-ECO  
i-ECO System



| unit      | A   | B    | C    | D    | E    | F    | G     | H     | -     | J     | K    |
|-----------|-----|------|------|------|------|------|-------|-------|-------|-------|------|
| parameter | mm  | mm   | mm   | mm   | mm   | mm   | mm    | mm    | -     | °     | °    |
| unit      | L   | M    | N    | O    | P    | Q    | R1    | R2    | R3    | R4    | R5   |
| parameter | mm  | mm   | mm   | mm   | mm   | mm   | mm    | mm    | mm    | mm    | mm   |
|           | 310 | 3110 | 6640 | 8400 | 5500 | 3000 | 12000 | 13660 | 14780 | 15390 | 4500 |

| type              | Machine lengt            |                            | projec | unit | para  | mete |
|-------------------|--------------------------|----------------------------|--------|------|-------|------|
| Size parameters   |                          |                            |        | mm   | 15000 |      |
|                   | Full width               |                            |        | mm   | 3000  |      |
|                   | Overall height           |                            |        | mm   | 3960  |      |
| Weight parameters | otal weight of the whole |                            |        | kg   | 50000 |      |
|                   | Load                     | First and second axis load |        | kg   | 24000 |      |
|                   |                          | 3.4-axis load              |        | kg   | 26000 |      |



| type                        | project                                |                                                                    | unit    | parameter                        |
|-----------------------------|----------------------------------------|--------------------------------------------------------------------|---------|----------------------------------|
| Power parameters            | Engine Model                           |                                                                    | -       | Yuchai YCK11430-66 (National VI) |
|                             | Maximum engine power                   |                                                                    | kW/rpm  | 316/1900                         |
|                             | Maximum engine output torque           |                                                                    | N·m/rpm | 2100/950~1400                    |
| Driving parameters          | Maximum driving speed                  |                                                                    | km/h    | 87                               |
|                             | Minimum turning radius                 |                                                                    | m       | 12                               |
|                             | Approach Angle                         |                                                                    | °       | ≥20                              |
|                             | Departure angle                        |                                                                    | °       | ≥13                              |
|                             | Maximum climbing grade                 |                                                                    | %       | 50                               |
|                             | Fuel consumption per 100 km            |                                                                    | L       | ≤43                              |
| Main performance parameters | Maximum rated total lifting weight     |                                                                    | t       | 100                              |
|                             | Turntable tail turning radius          |                                                                    | m       | 4.5                              |
|                             | Maximum lifting moment                 | Basic arm                                                          | kN·m    | 3557                             |
|                             |                                        | Longest main boom                                                  | kN·m    | 2195                             |
|                             |                                        | Longest main boom + auxiliary boom                                 | kN·m    | 1333                             |
|                             |                                        | The longest main boom + extension boom (optional) + auxiliary boom | kN·m    | 1129                             |
|                             | Outrigger span (horizontal x vertical) |                                                                    | m       | 8.4(5.55)×6.64                   |
|                             | Boom length                            | Basic arm                                                          | m       | 13                               |
|                             |                                        | Longest main boom                                                  | m       | 70                               |
|                             |                                        | Longest main boom + auxiliary boom                                 | m       | 87.5                             |
|                             |                                        | The longest main boom + extension boom (optional) + auxiliary boom | m       | 97                               |

|                                                                                |    |    |    |    |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|--------------|
|                                                                                                                                                                   | 1  | 2  | 3  | 4  | gross weight |
| Axle load/t                                                                                                                                                       | 12 | 12 | 13 | 13 | 50           |
| Announcement status: Fixed-mounted winch, without main hook, spare tire, arm tip pulley, outrigger plate, and auxiliary hook placed in the auxiliary hook barrel. |    |    |    |    |              |

|  |                 |                   |               |                |
|-------------------------------------------------------------------------------------|-----------------|-------------------|---------------|----------------|
|                                                                                     | Rated load /t   | Number of pulleys | Magnification | Hook weight/kg |
|                                                                                     | 60(anchor hook) | 5                 | 10            | 600            |
| Hook and ratio                                                                      | 8               | 0                 | 1             | 210            |

|  | project                              | parameter  | Wire rope diameter / length | Maximum single rope tension |
|-------------------------------------------------------------------------------------|--------------------------------------|------------|-----------------------------|-----------------------------|
|                                                                                     | Main winch                           | 0~135m/min | Φ 20mm/285m                 | 7.5t                        |
|                                                                                     | Auxiliary winch                      | 0~135m/min | Φ 20mm/210m                 | 7.5t                        |
|                                                                                     | turn around                          |            | 0~1.5r/min                  |                             |
|                                                                                     | Start/End                            |            | 50s/80s(0~80°)              |                             |
|                                                                                     | Extend/Retract                       |            | 600s/500s(13m~70m)          |                             |
|                                                                                     | Vertical outriggers extend/retract   |            | 35s/30s                     |                             |
|                                                                                     | Horizontal outriggers extend/retract |            | 15s/15s                     |                             |

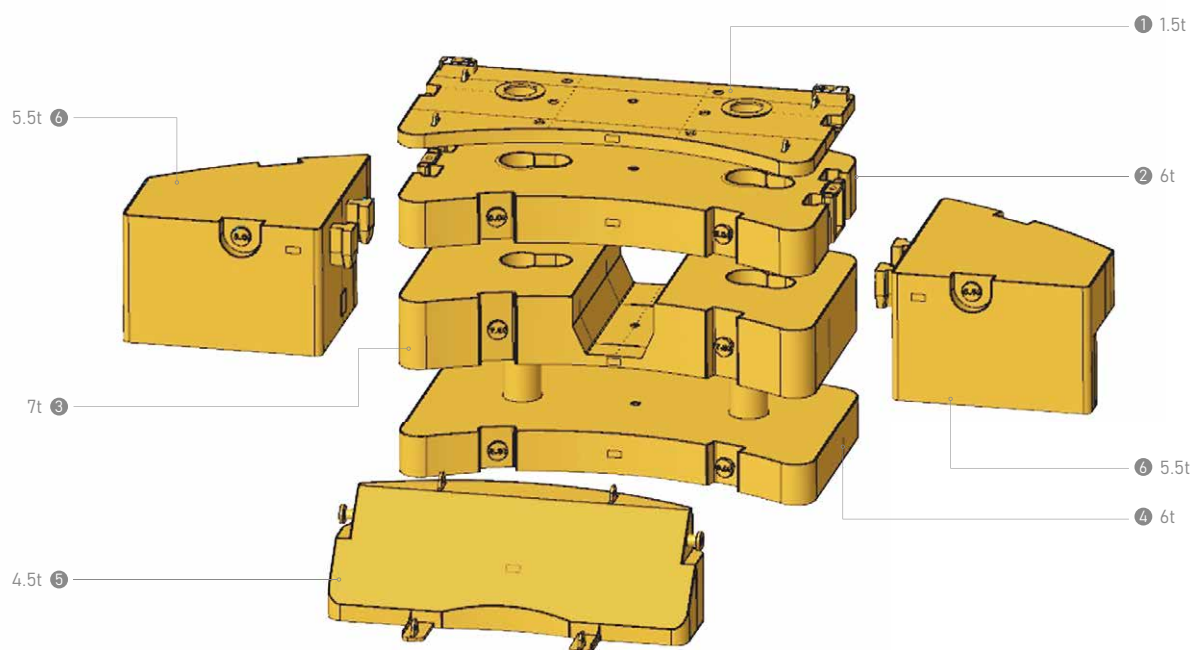
## Get on board/ Superstructure

|                                                                                  |                   |                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Turntable         | ▪ Sany's self-made structural parts are made of high-strength steel, with high torsional rigidity and long fatigue life.                                                                                                                                                                       |
|  | Control room      | The industry's first passenger car-level comfort experience, equipped with full-coverage softened interior, front pedals, electric retractable side pedals, panoramic sunroof and adjustable seats, a humanized 10.1-inch display screen, no physical button design, and upgraded interaction. |
|  | Hydraulic system  | ▪ Load-sensing pump + electronically controlled main valve, real-time displacement adjustment and precise control of combined action.                                                                                                                                                          |
|  | Control System    | ▪ The bus instrument with integrated electrical system is used to monitor driving parameters and operating parameters in real time.                                                                                                                                                            |
|  | Lifting mechanism | ▪ Normally closed winch reducer, axial 11-piston motor and anti-hook slip technology.                                                                                                                                                                                                          |
|  | Luffing system    | ▪ Innovative automatic drop compensation technology makes the drop operation faster and more stable.                                                                                                                                                                                           |
|  | Rotary system     | ▪ 11800mm diameter slewing support, double reducer configuration, and electronically controlled double slewing system ensure smooth and impact-free slewing.                                                                                                                                   |
|  | Safety devices    | ▪ Hydraulic overflow valve, balancing valve, two-way hydraulic lock, torque limiter, three-circle protector, height limiter and winch monitoring device.                                                                                                                                       |
|  | Telescopic boom   | ▪ 7-section single-cylinder latch main boom, made of high-strength welded structural steel, oval cross-section, 17.5m jib, optional 9.5m extension boom.                                                                                                                                       |
|  | Counterweight     | ▪ The standard configuration is 36t counterweight, and 25t counterweight can be carried for transfer.                                                                                                                                                                                          |

## get off/Chassis

|                                                                                    |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Cab             | ▪ Developed independently by Sany, it has outward-opening doors, and the driver's seat is equipped with an air suspension shock-absorbing seat, a multi-function steering wheel, electric heated rearview mirrors, air conditioning, a 12.1-inch entertainment screen, a reversing image, and a sleeper berth.                                                                                                                                             |
|  | Frame           | ▪ Sany's self-made structural parts are made of high-strength steel, with high rigidity and strong load-bearing capacity.                                                                                                                                                                                                                                                                                                                                  |
|  | Axles           | ▪ The shaft has built-in inter-axle and inter-wheel differentials; the stamping and welding bridge housing process has a stronger load-bearing capacity.                                                                                                                                                                                                                                                                                                   |
|  | engine          | ▪ Diesel engine, emissions meet National VI standards; fuel tank effective capacity 450L.                                                                                                                                                                                                                                                                                                                                                                  |
|  | Drivetrain      | ▪ Fast 10-speed gearbox with synchronizer.                                                                                                                                                                                                                                                                                                                                                                                                                 |
|  | Braking system  | ▪ The driving brake adopts a dual-circuit brake system, all wheels use air servo brakes, and the front axle uses a wedge brake + dual air chamber; The parking brake uses an air chamber inner spring to act on the second, third, and fourth bridges; The emergency brake uses an accumulator to store energy and cut off air for emergency braking; The auxiliary brake uses an in-cylinder brake to ensure braking safety when going down a long slope. |
|  | Suspension      | ▪ The front axle adopts leaf spring suspension, and the middle and rear axles adopt swing bracket leaf spring balance suspension.                                                                                                                                                                                                                                                                                                                          |
|  | Steering system | ▪ 1-axis + 2-axis hydraulically assisted mechanical steering.                                                                                                                                                                                                                                                                                                                                                                                              |
|  | drive           | ▪ 3-axis + 4-axis drive.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | Outriggers      | ▪ The H-shaped outriggers are supported at 4 points and are made of fine-grained high-strength steel plates; The first and second level outriggers are fully hydraulically extended and retracted horizontally, and the outrigger vertical cylinders are protected by bidirectional hydraulic locks.                                                                                                                                                       |
|  | tire            | ▪ 4*385/95R25 +8*325/95R24.                                                                                                                                                                                                                                                                                                                                                                                                                                |





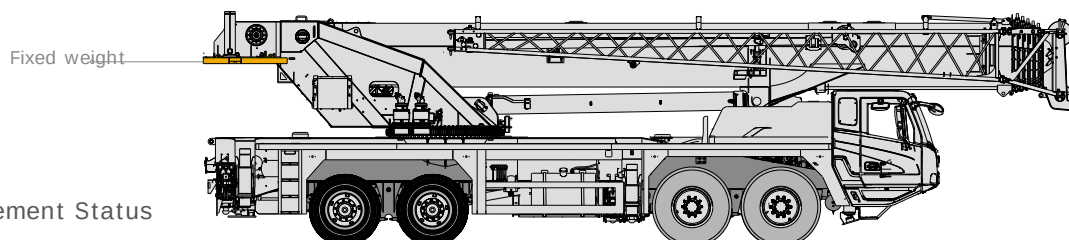
| Serial number | name                | weight(t) |
|---------------|---------------------|-----------|
| 1             | Fixed weight        | 1.5       |
| 2             | Active weight one   | 6         |
| 3             | Active weight two   | 7         |
| 4             | Active weight three | 6         |
| 5             | Active weight four  | 4.5       |
| 6             | Additional weight   | 2×5.5     |

In the loaded counterweight state, 25t counterweight can be carried for transfer : 1.5t+6t are mounted at the rear of the turntable, 6t+7t are stacked in front of the frame, and 4.5t is mounted under the inclined bottom plate of the turntable.

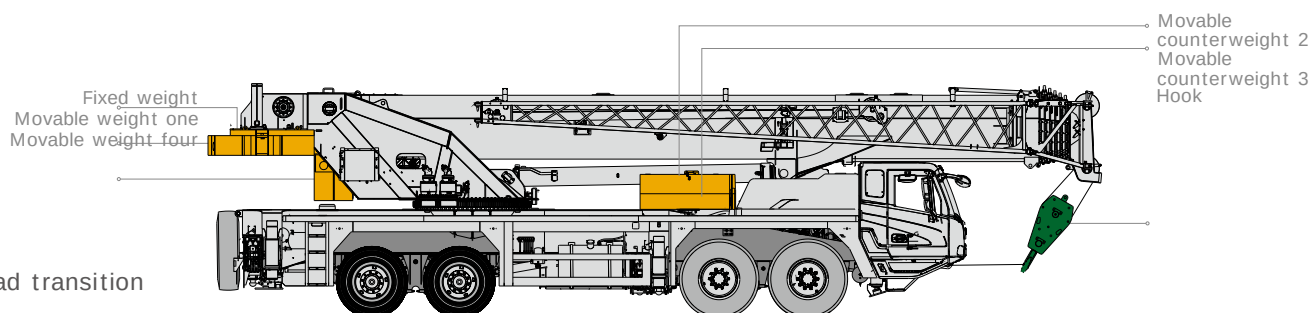
# 06 | Overload transition diagram

On-Site Heavy-Duty Driving Solutions

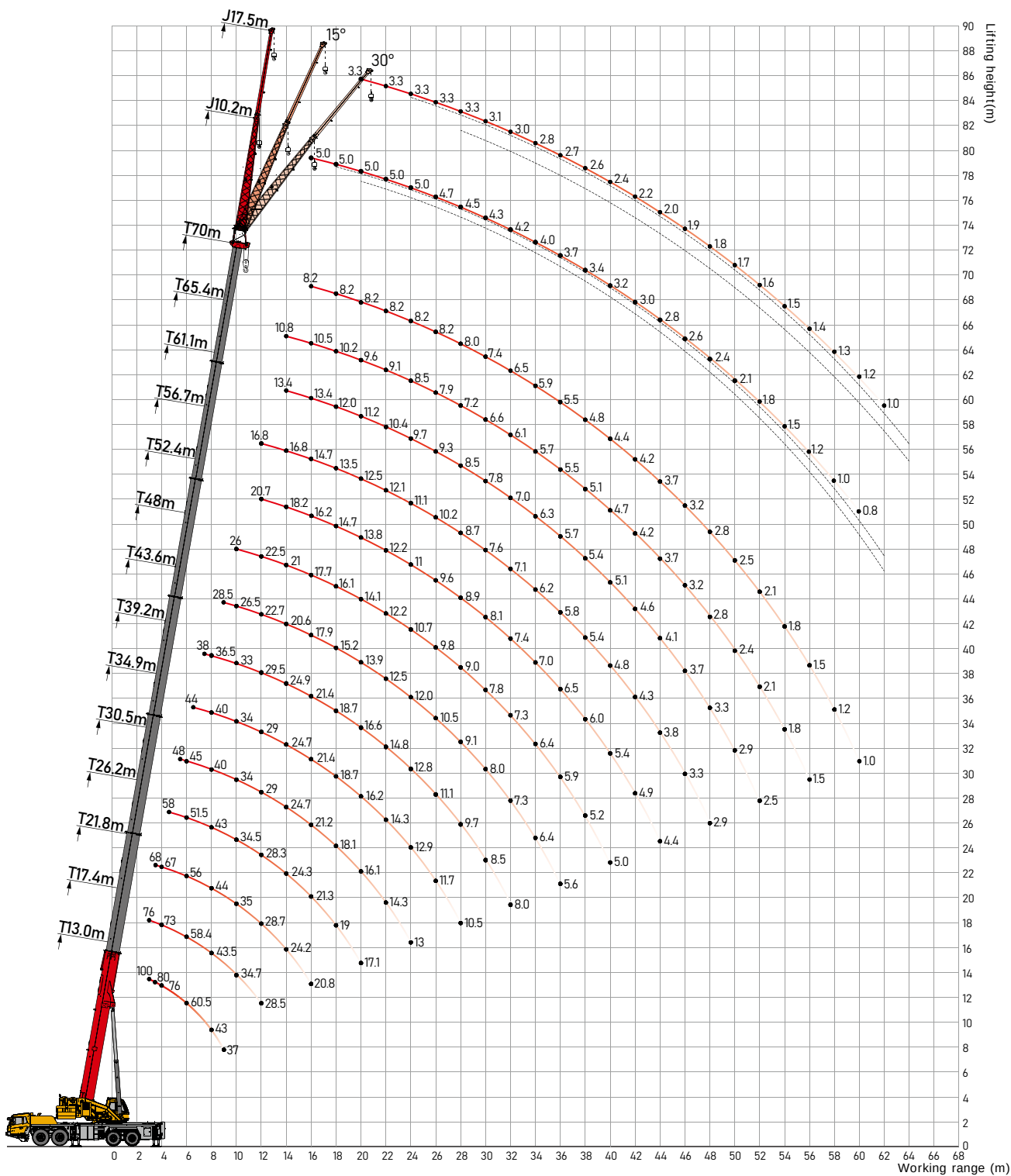
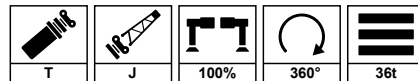
## ■ Announcement Status



## ■ Overload transition



## Main boom + jib (TJ)

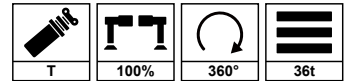




# 07 Lifting performance table

Main boom (T)

unit: t

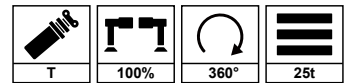


|  m | 13.0  | 17.4 | 21.8 | 26.2 | 30.5 | 34.9 | 39.2 | 43.6 | 48.0 | 52.4 | 56.7 | 61.1 | 65.4 | 70.0 |  m |
|-------------------------------------------------------------------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------------------------------------------------------------|
| 3.0                                                                                 | 100.0 | 76.0 |      |      |      |      |      |      |      |      |      |      |      |      | 3.0                                                                                   |
| 3.5                                                                                 | 80.0  | 75.0 | 68.0 |      |      |      |      |      |      |      |      |      |      |      | 3.5                                                                                   |
| 4.0                                                                                 | 76.0  | 73.0 | 67.0 |      |      |      |      |      |      |      |      |      |      |      | 4.0                                                                                   |
| 4.5                                                                                 | 72.0  | 70.8 | 67.0 | 58.0 |      |      |      |      |      |      |      |      |      |      | 4.5                                                                                   |
| 5.0                                                                                 | 68.0  | 66.1 | 64.9 | 56.0 |      |      |      |      |      |      |      |      |      |      | 5.0                                                                                   |
| 5.5                                                                                 | 63.5  | 62.0 | 60.0 | 54.0 | 48.0 |      |      |      |      |      |      |      |      |      | 5.5                                                                                   |
| 6.0                                                                                 | 60.5  | 58.4 | 56.0 | 51.5 | 45.0 |      |      |      |      |      |      |      |      |      | 6.0                                                                                   |
| 6.5                                                                                 | 55.0  | 54.0 | 53.0 | 49.0 | 43.0 | 44.0 |      |      |      |      |      |      |      |      | 6.5                                                                                   |
| 7.0                                                                                 | 50.0  | 49.5 | 50.0 | 47.0 | 42.0 | 42.5 |      |      |      |      |      |      |      |      | 7.0                                                                                   |
| 7.5                                                                                 | 46.5  | 46.0 | 46.3 | 45.0 | 41.0 | 41.0 | 38.0 |      |      |      |      |      |      |      | 7.5                                                                                   |
| 8.0                                                                                 | 43.0  | 43.5 | 44.0 | 43.0 | 40.0 | 40.0 | 36.5 |      |      |      |      |      |      |      | 8.0                                                                                   |
| 9.0                                                                                 | 37.0  | 39.0 | 39.5 | 39.0 | 37.0 | 37.0 | 34.5 | 28.5 |      |      |      |      |      |      | 9.0                                                                                   |
| 10.0                                                                                |       | 34.7 | 35.0 | 34.5 | 34.0 | 34.0 | 33.0 | 26.5 | 26.0 |      |      |      |      |      | 10.0                                                                                  |
| 12.0                                                                                |       | 28.5 | 28.7 | 28.3 | 29.0 | 29.0 | 29.5 | 22.7 | 22.5 | 20.7 | 16.8 |      |      |      | 12.0                                                                                  |
| 14.0                                                                                |       |      | 24.2 | 24.3 | 24.7 | 24.7 | 24.9 | 20.6 | 21.0 | 18.2 | 16.8 | 13.4 | 10.8 |      | 14.0                                                                                  |
| 16.0                                                                                |       |      | 20.8 | 21.3 | 21.2 | 21.4 | 21.4 | 17.9 | 17.7 | 16.2 | 14.7 | 13.4 | 10.5 | 8.2  | 16.0                                                                                  |
| 18.0                                                                                |       |      |      | 19.0 | 18.1 | 18.7 | 18.7 | 15.2 | 16.1 | 14.7 | 13.5 | 12.0 | 10.2 | 8.2  | 18.0                                                                                  |
| 20.0                                                                                |       |      |      | 17.1 | 16.1 | 16.2 | 16.6 | 13.9 | 14.1 | 13.8 | 12.5 | 11.2 | 9.6  | 8.2  | 20.0                                                                                  |
| 22.0                                                                                |       |      |      |      | 14.3 | 14.3 | 14.8 | 12.5 | 12.2 | 12.2 | 12.1 | 10.4 | 9.1  | 8.2  | 22.0                                                                                  |
| 24.0                                                                                |       |      |      |      | 13.0 | 12.9 | 12.8 | 12.0 | 10.7 | 11.0 | 11.1 | 9.7  | 8.5  | 8.2  | 24.0                                                                                  |
| 26.0                                                                                |       |      |      |      |      | 11.7 | 11.1 | 10.5 | 9.8  | 9.6  | 10.2 | 9.3  | 7.9  | 8.2  | 26.0                                                                                  |
| 28.0                                                                                |       |      |      |      |      | 10.5 | 9.7  | 9.1  | 9.0  | 8.9  | 8.7  | 8.5  | 7.2  | 8.0  | 28.0                                                                                  |
| 30.0                                                                                |       |      |      |      |      |      | 8.5  | 8.0  | 7.8  | 8.1  | 7.6  | 7.8  | 6.6  | 7.4  | 30.0                                                                                  |
| 32.0                                                                                |       |      |      |      |      |      | 8.0  | 7.3  | 7.3  | 7.4  | 7.1  | 7.0  | 6.1  | 6.5  | 32.0                                                                                  |
| 34.0                                                                                |       |      |      |      |      |      |      | 6.4  | 6.4  | 7.0  | 6.2  | 6.3  | 5.7  | 5.9  | 34.0                                                                                  |
| 36.0                                                                                |       |      |      |      |      |      |      | 5.6  | 5.9  | 6.5  | 5.8  | 5.7  | 5.5  | 5.5  | 36.0                                                                                  |
| 38.0                                                                                |       |      |      |      |      |      |      |      | 5.2  | 6.0  | 5.4  | 5.4  | 5.1  | 4.8  | 38.0                                                                                  |
| 40.0                                                                                |       |      |      |      |      |      |      |      | 5.0  | 5.4  | 4.8  | 5.1  | 4.7  | 4.4  | 40.0                                                                                  |
| 42.0                                                                                |       |      |      |      |      |      |      |      |      | 4.9  | 4.3  | 4.6  | 4.2  | 4.2  | 42.0                                                                                  |
| 44.0                                                                                |       |      |      |      |      |      |      |      |      | 4.4  | 3.8  | 4.1  | 3.7  | 3.7  | 44.0                                                                                  |
| 46.0                                                                                |       |      |      |      |      |      |      |      |      |      | 3.3  | 3.7  | 3.2  | 3.2  | 46.0                                                                                  |
| 48.0                                                                                |       |      |      |      |      |      |      |      |      |      | 2.9  | 3.3  | 2.8  | 2.8  | 48.0                                                                                  |
| 50.0                                                                                |       |      |      |      |      |      |      |      |      |      |      | 2.9  | 2.4  | 2.5  | 50.0                                                                                  |
| 52.0                                                                                |       |      |      |      |      |      |      |      |      |      |      | 2.5  | 2.1  | 2.1  | 52.0                                                                                  |
| 54.0                                                                                |       |      |      |      |      |      |      |      |      |      |      |      | 1.8  | 1.8  | 54.0                                                                                  |
| 56.0                                                                                |       |      |      |      |      |      |      |      |      |      |      |      | 1.5  | 1.5  | 56.0                                                                                  |
| 58.0                                                                                |       |      |      |      |      |      |      |      |      |      |      |      |      | 1.2  | 58.0                                                                                  |
| 60.0                                                                                |       |      |      |      |      |      |      |      |      |      |      |      |      | 1.0  | 60.0                                                                                  |
|  | 14    | 11   | 10   | 8    | 7    | 6    | 5    | 4    | 4    | 3    | 3    | 2    | 2    | 2    |  |

# 07 Lifting performance table

Main boom (T)

unit: t

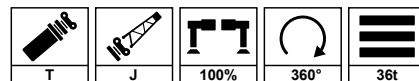


|  m   | 13.0  | 17.4 | 21.8 | 26.2 | 30.5 | 34.9 | 39.2 | 43.6 | 48.0 | 52.4 | 56.7 | 61.1 | 65.4 | 70.0 |  m   |
|---------------------------------------------------------------------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------------------------------------------------------------------------|
| 3.0                                                                                   | 100.0 | 76.0 |      |      |      |      |      |      |      |      |      |      |      |      | 3.0                                                                                     |
| 3.5                                                                                   | 80.0  | 75.0 | 68.0 |      |      |      |      |      |      |      |      |      |      |      | 3.5                                                                                     |
| 4.0                                                                                   | 76.0  | 73.0 | 67.0 |      |      |      |      |      |      |      |      |      |      |      | 4.0                                                                                     |
| 4.5                                                                                   | 72.0  | 70.8 | 67.0 | 58.0 |      |      |      |      |      |      |      |      |      |      | 4.5                                                                                     |
| 5.0                                                                                   | 68.0  | 66.1 | 64.9 | 56.0 |      |      |      |      |      |      |      |      |      |      | 5.0                                                                                     |
| 5.5                                                                                   | 63.5  | 62.0 | 60.0 | 54.0 | 48.0 |      |      |      |      |      |      |      |      |      | 5.5                                                                                     |
| 6.0                                                                                   | 60.5  | 58.4 | 56.0 | 51.5 | 45.0 |      |      |      |      |      |      |      |      |      | 6.0                                                                                     |
| 6.5                                                                                   | 55.0  | 54.0 | 53.0 | 49.0 | 43.0 | 44.0 |      |      |      |      |      |      |      |      | 6.5                                                                                     |
| 7.0                                                                                   | 50.0  | 49.5 | 50.0 | 47.0 | 42.0 | 42.5 |      |      |      |      |      |      |      |      | 7.0                                                                                     |
| 7.5                                                                                   | 46.5  | 46.0 | 46.3 | 45.0 | 41.0 | 41.0 | 38.0 |      |      |      |      |      |      |      | 7.5                                                                                     |
| 8.0                                                                                   | 43.0  | 43.5 | 44.0 | 43.0 | 40.0 | 40.0 | 36.5 |      |      |      |      |      |      |      | 8.0                                                                                     |
| 9.0                                                                                   | 37.0  | 39.0 | 39.5 | 38.4 | 37.0 | 37.0 | 34.5 | 28.5 |      |      |      |      |      |      | 9.0                                                                                     |
| 10.0                                                                                  |       | 34.7 | 35.0 | 34.0 | 34.0 | 34.0 | 33.0 | 26.5 | 26.0 |      |      |      |      |      | 10.0                                                                                    |
| 12.0                                                                                  |       | 28.0 | 28.6 | 27.7 | 27.8 | 28.4 | 29.0 | 22.7 | 22.5 | 20.7 | 16.8 |      |      |      | 12.0                                                                                    |
| 14.0                                                                                  |       |      | 23.8 | 24.3 | 23.6 | 23.9 | 24.2 | 20.6 | 21.0 | 18.2 | 16.8 | 13.4 | 10.8 |      | 14.0                                                                                    |
| 16.0                                                                                  |       |      | 19.5 | 20.5 | 20.1 | 20.6 | 20.1 | 17.9 | 17.7 | 16.2 | 14.7 | 13.4 | 10.5 | 8.2  | 16.0                                                                                    |
| 18.0                                                                                  |       |      |      | 16.8 | 17.6 | 17.2 | 16.4 | 15.2 | 15.6 | 14.7 | 13.5 | 12.0 | 10.2 | 8.2  | 18.0                                                                                    |
| 20.0                                                                                  |       |      |      | 14.0 | 14.8 | 14.4 | 13.6 | 13.3 | 13.2 | 13.4 | 12.5 | 11.2 | 9.6  | 8.2  | 20.0                                                                                    |
| 22.0                                                                                  |       |      |      |      | 12.6 | 12.2 | 11.5 | 11.3 | 11.3 | 11.6 | 11.1 | 10.4 | 9.1  | 8.2  | 22.0                                                                                    |
| 24.0                                                                                  |       |      |      |      | 10.9 | 10.5 | 10.4 | 9.5  | 9.6  | 10.1 | 9.3  | 9.7  | 8.5  | 8.2  | 24.0                                                                                    |
| 26.0                                                                                  |       |      |      |      |      | 9.1  | 9.6  | 8.1  | 8.4  | 9.3  | 8.1  | 8.2  | 7.9  | 8.2  | 26.0                                                                                    |
| 28.0                                                                                  |       |      |      |      |      | 8.0  | 8.4  | 6.9  | 7.7  | 8.1  | 7.5  | 7.7  | 7.2  | 7.4  | 28.0                                                                                    |
| 30.0                                                                                  |       |      |      |      |      |      | 7.4  | 6.4  | 7.2  | 7.1  | 6.5  | 6.9  | 6.4  | 6.4  | 30.0                                                                                    |
| 32.0                                                                                  |       |      |      |      |      |      | 6.5  | 5.7  | 6.7  | 6.2  | 5.6  | 6.0  | 5.5  | 5.5  | 32.0                                                                                    |
| 34.0                                                                                  |       |      |      |      |      |      |      | 4.9  | 6.1  | 5.5  | 5.0  | 5.2  | 4.8  | 4.8  | 34.0                                                                                    |
| 36.0                                                                                  |       |      |      |      |      |      |      | 4.6  | 5.4  | 4.8  | 4.4  | 4.5  | 4.1  | 4.1  | 36.0                                                                                    |
| 38.0                                                                                  |       |      |      |      |      |      |      |      | 4.8  | 4.2  | 4.0  | 4.0  | 3.5  | 3.5  | 38.0                                                                                    |
| 40.0                                                                                  |       |      |      |      |      |      |      |      | 4.3  | 3.7  | 3.7  | 3.4  | 3.0  | 3.0  | 40.0                                                                                    |
| 42.0                                                                                  |       |      |      |      |      |      |      |      |      | 3.3  | 3.4  | 3.0  | 2.5  | 2.5  | 42.0                                                                                    |
| 44.0                                                                                  |       |      |      |      |      |      |      |      |      | 3.0  | 3.0  | 2.5  | 2.1  | 2.1  | 44.0                                                                                    |
| 46.0                                                                                  |       |      |      |      |      |      |      |      |      |      | 2.7  | 2.2  | 1.7  | 1.7  | 46.0                                                                                    |
| 48.0                                                                                  |       |      |      |      |      |      |      |      |      |      | 2.3  | 1.8  | 1.4  | 1.4  | 48.0                                                                                    |
| 50.0                                                                                  |       |      |      |      |      |      |      |      |      |      |      | 1.5  | 1.1  | 1.1  | 50.0                                                                                    |
| 52.0                                                                                  |       |      |      |      |      |      |      |      |      |      |      | 1.2  |      |      | 52.0                                                                                    |
|  m | 14    | 11   | 10   | 8    | 7    | 6    | 5    | 4    | 4    | 3    | 3    | 2    | 2    | 2    |  m |

# 07 Lifting performance table

Main boom + jib (TJ)

unit: t

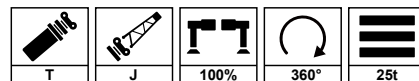


|    | 70m+10.2m |     |     | 70m+17.5m |     |     |    |
|-------------------------------------------------------------------------------------|-----------|-----|-----|-----------|-----|-----|---------------------------------------------------------------------------------------|
|                                                                                     | 0         | 15  | 30  | 0         | 15  | 30  |                                                                                       |
| 16.0                                                                                | 5.0       |     |     |           |     |     | 16.0                                                                                  |
| 18.0                                                                                | 5.0       | 4.0 |     |           |     |     | 18.0                                                                                  |
| 20.0                                                                                | 5.0       | 4.0 | 3.3 | 3.3       |     |     | 20.0                                                                                  |
| 22.0                                                                                | 5.0       | 4.0 | 3.3 | 3.3       |     |     | 22.0                                                                                  |
| 24.0                                                                                | 5.0       | 4.0 | 3.3 | 3.3       | 2.4 |     | 24.0                                                                                  |
| 26.0                                                                                | 4.7       | 3.9 | 3.2 | 3.3       | 2.3 |     | 26.0                                                                                  |
| 28.0                                                                                | 4.5       | 3.9 | 3.2 | 3.3       | 2.3 | 1.6 | 28.0                                                                                  |
| 30.0                                                                                | 4.3       | 3.8 | 3.2 | 3.1       | 2.2 | 1.6 | 30.0                                                                                  |
| 32.0                                                                                | 4.2       | 3.7 | 3.1 | 3.0       | 2.2 | 1.6 | 32.0                                                                                  |
| 34.0                                                                                | 4.0       | 3.6 | 3.0 | 2.8       | 2.1 | 1.6 | 34.0                                                                                  |
| 36.0                                                                                | 3.7       | 3.5 | 2.9 | 2.7       | 2.0 | 1.5 | 36.0                                                                                  |
| 38.0                                                                                | 3.4       | 3.2 | 2.8 | 2.6       | 1.9 | 1.5 | 38.0                                                                                  |
| 40.0                                                                                | 3.2       | 3.0 | 2.7 | 2.4       | 1.8 | 1.5 | 40.0                                                                                  |
| 42.0                                                                                | 3.0       | 2.8 | 2.6 | 2.2       | 1.8 | 1.4 | 42.0                                                                                  |
| 44.0                                                                                | 2.8       | 2.6 | 2.4 | 2.0       | 1.8 | 1.4 | 44.0                                                                                  |
| 46.0                                                                                | 2.6       | 2.4 | 2.2 | 1.9       | 1.7 | 1.3 | 46.0                                                                                  |
| 48.0                                                                                | 2.4       | 2.2 | 2.1 | 1.8       | 1.6 | 1.3 | 48.0                                                                                  |
| 50.0                                                                                | 2.1       | 2.0 | 2.0 | 1.7       | 1.5 | 1.3 | 50.0                                                                                  |
| 52.0                                                                                | 1.8       | 1.9 | 1.9 | 1.6       | 1.4 | 1.3 | 52.0                                                                                  |
| 54.0                                                                                | 1.5       | 1.6 | 1.6 | 1.5       | 1.3 | 1.3 | 54.0                                                                                  |
| 56.0                                                                                | 1.2       | 1.3 | 1.3 | 1.4       | 1.3 | 1.2 | 56.0                                                                                  |
| 58.0                                                                                | 1.0       | 1.1 | 1.1 | 1.3       | 1.2 | 1.1 | 58.0                                                                                  |
| 60.0                                                                                | 0.8       | 0.9 | 0.9 | 1.2       | 1.1 | 1.1 | 60.0                                                                                  |
| 62.0                                                                                |           | 0.7 | 0.7 | 1.0       | 1.0 | 1.0 | 62.0                                                                                  |
| 64.0                                                                                |           |     |     |           | 0.9 | 1.0 | 64.0                                                                                  |
|  | 1         |     |     |           |     |     |  |
|  | 8         |     |     |           |     |     |  |

# 07 Lifting performance table

Main boom + jib (TJ)

unit: t

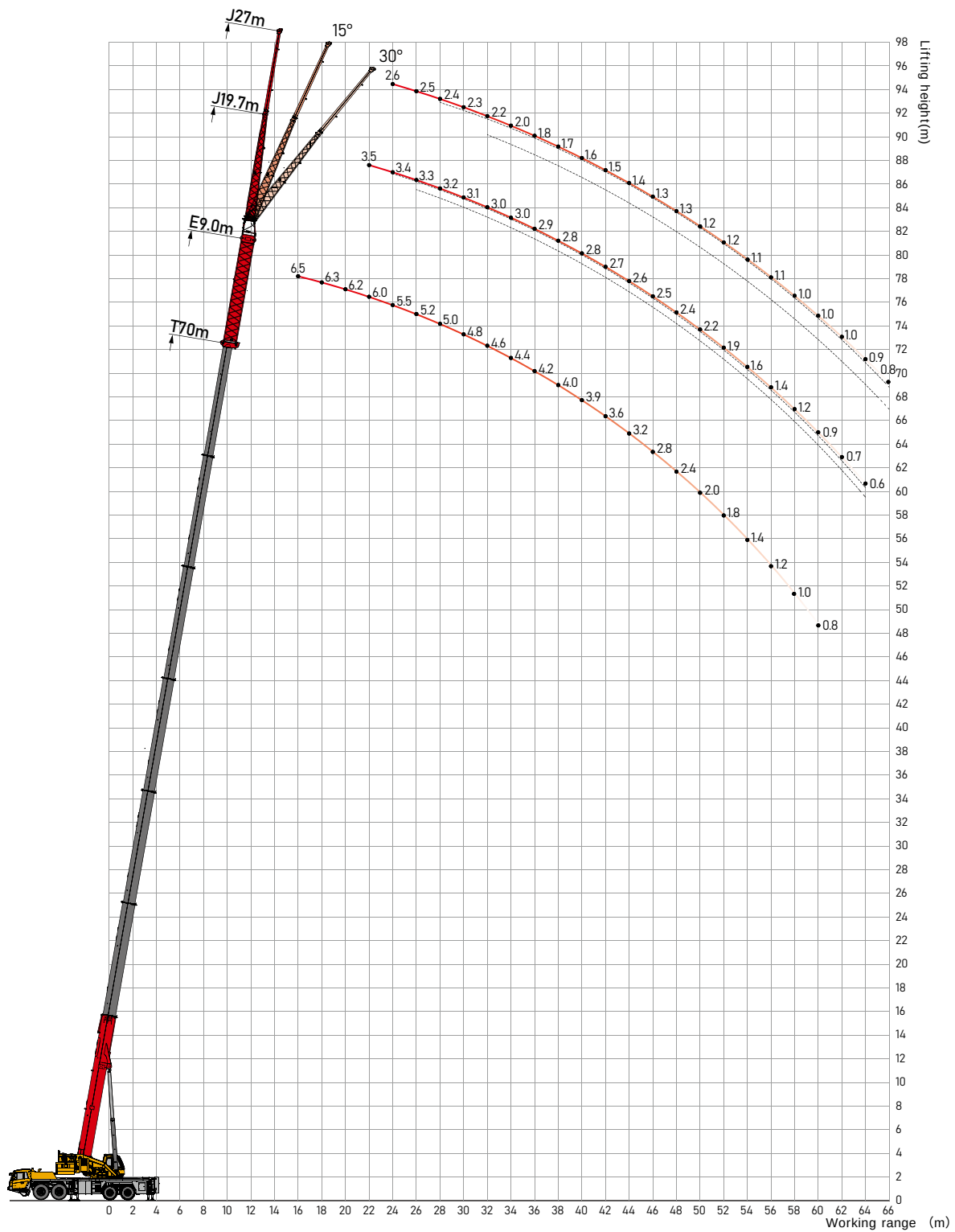
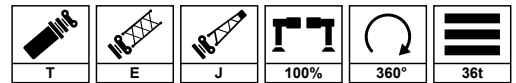


|    | 70m+10.2m |     |     | 70m+17.5m |     |     |    |
|-------------------------------------------------------------------------------------|-----------|-----|-----|-----------|-----|-----|---------------------------------------------------------------------------------------|
|                                                                                     | 0         | 15  | 30  | 0         | 15  | 30  |                                                                                       |
| 16.0                                                                                | 5.0       |     |     |           |     |     | 16.0                                                                                  |
| 18.0                                                                                | 5.0       | 4.0 |     |           |     |     | 18.0                                                                                  |
| 20.0                                                                                | 5.0       | 4.0 | 3.3 | 3.3       |     |     | 20.0                                                                                  |
| 22.0                                                                                | 5.0       | 4.0 | 3.3 | 3.3       |     |     | 22.0                                                                                  |
| 24.0                                                                                | 5.0       | 4.0 | 3.3 | 3.3       | 2.4 |     | 24.0                                                                                  |
| 26.0                                                                                | 4.7       | 3.9 | 3.2 | 3.3       | 2.3 |     | 26.0                                                                                  |
| 28.0                                                                                | 4.5       | 3.9 | 3.2 | 3.3       | 2.3 | 1.6 | 28.0                                                                                  |
| 30.0                                                                                | 4.3       | 3.8 | 3.2 | 3.1       | 2.2 | 1.6 | 30.0                                                                                  |
| 32.0                                                                                | 4.2       | 3.7 | 3.1 | 3.0       | 2.2 | 1.6 | 32.0                                                                                  |
| 34.0                                                                                | 4.0       | 3.6 | 3.0 | 2.8       | 2.1 | 1.6 | 34.0                                                                                  |
| 36.0                                                                                | 3.5       | 3.5 | 2.9 | 2.7       | 2.0 | 1.5 | 36.0                                                                                  |
| 38.0                                                                                | 3.0       | 3.2 | 2.8 | 2.6       | 1.9 | 1.5 | 38.0                                                                                  |
| 40.0                                                                                | 2.5       | 2.8 | 2.7 | 2.4       | 1.8 | 1.5 | 40.0                                                                                  |
| 42.0                                                                                | 2.1       | 2.4 | 2.6 | 2.2       | 1.8 | 1.4 | 42.0                                                                                  |
| 44.0                                                                                | 1.8       | 2.0 | 2.2 | 2.0       | 1.8 | 1.4 | 44.0                                                                                  |
| 46.0                                                                                | 1.4       | 1.6 | 1.8 | 1.9       | 1.7 | 1.3 | 46.0                                                                                  |
| 48.0                                                                                | 1.1       | 1.3 | 1.5 | 1.6       | 1.6 | 1.3 | 48.0                                                                                  |
| 50.0                                                                                | 0.8       | 1.0 | 1.1 | 1.3       | 1.5 | 1.3 | 50.0                                                                                  |
| 52.0                                                                                | 0.6       | 0.7 | 0.9 | 1.0       | 1.3 | 1.3 | 52.0                                                                                  |
| 54.0                                                                                |           | 0.5 | 0.6 | 0.8       | 1.0 | 1.3 | 54.0                                                                                  |
| 56.0                                                                                |           |     |     | 0.6       | 0.8 | 1.0 | 56.0                                                                                  |
| 58.0                                                                                |           |     |     |           | 0.6 | 0.8 | 58.0                                                                                  |
| 60.0                                                                                |           |     |     |           |     | 0.5 | 60.0                                                                                  |
|  | 1         |     |     |           |     |     |  |
|  | 8         |     |     |           |     |     |  |



# Lifting height curve

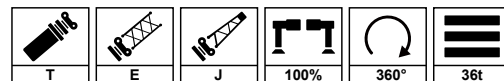
Main boom + extension arm + jib (TEJ)



# 07 Lifting performance table

Main boom + extension arm + jib (TEJ)

unit: t

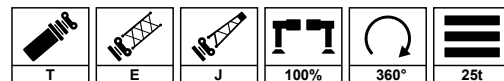


|    | 70m+9m | 70m+9.5m+10.2m |     |     | 70m+9.5m+17.5m |     |     |    |
|-------------------------------------------------------------------------------------|--------|----------------|-----|-----|----------------|-----|-----|---------------------------------------------------------------------------------------|
|                                                                                     | 0      | 0              | 15  | 30  | 0              | 15  | 30  |                                                                                       |
| 16.0                                                                                | 6.5    |                |     |     |                |     |     | 16.0                                                                                  |
| 18.0                                                                                | 6.3    |                |     |     |                |     |     | 18.0                                                                                  |
| 20.0                                                                                | 6.2    |                |     |     |                |     |     | 20.0                                                                                  |
| 22.0                                                                                | 6.0    | 3.5            |     |     |                |     |     | 22.0                                                                                  |
| 24.0                                                                                | 5.5    | 3.4            | 2.8 |     | 2.6            |     |     | 24.0                                                                                  |
| 26.0                                                                                | 5.2    | 3.3            | 2.7 | 2.2 | 2.5            |     |     | 26.0                                                                                  |
| 28.0                                                                                | 5.0    | 3.2            | 2.6 | 2.1 | 2.4            | 1.6 |     | 28.0                                                                                  |
| 30.0                                                                                | 4.8    | 3.1            | 2.6 | 2.0 | 2.3            | 1.6 |     | 30.0                                                                                  |
| 32.0                                                                                | 4.6    | 3.0            | 2.5 | 2.0 | 2.2            | 1.5 | 1.3 | 32.0                                                                                  |
| 34.0                                                                                | 4.4    | 3.0            | 2.4 | 1.9 | 2.0            | 1.5 | 1.3 | 34.0                                                                                  |
| 36.0                                                                                | 4.2    | 2.9            | 2.3 | 1.9 | 1.8            | 1.4 | 1.2 | 36.0                                                                                  |
| 38.0                                                                                | 4.0    | 2.8            | 2.2 | 1.8 | 1.7            | 1.3 | 1.2 | 38.0                                                                                  |
| 40.0                                                                                | 3.9    | 2.8            | 2.0 | 1.8 | 1.6            | 1.2 | 1.2 | 40.0                                                                                  |
| 42.0                                                                                | 3.6    | 2.7            | 1.9 | 1.7 | 1.5            | 1.2 | 1.2 | 42.0                                                                                  |
| 44.0                                                                                | 3.2    | 2.6            | 1.8 | 1.7 | 1.4            | 1.2 | 1.1 | 44.0                                                                                  |
| 46.0                                                                                | 2.8    | 2.5            | 1.7 | 1.6 | 1.3            | 1.1 | 1.1 | 46.0                                                                                  |
| 48.0                                                                                | 2.4    | 2.4            | 1.6 | 1.6 | 1.3            | 1.1 | 1.1 | 48.0                                                                                  |
| 50.0                                                                                | 2.0    | 2.2            | 1.5 | 1.5 | 1.2            | 1.1 | 1.1 | 50.0                                                                                  |
| 52.0                                                                                | 1.8    | 1.9            | 1.4 | 1.4 | 1.2            | 1.0 | 1.0 | 52.0                                                                                  |
| 54.0                                                                                | 1.4    | 1.6            | 1.3 | 1.3 | 1.1            | 1.0 | 1.0 | 54.0                                                                                  |
| 56.0                                                                                | 1.2    | 1.4            | 1.2 | 1.2 | 1.1            | 1.0 | 1.0 | 56.0                                                                                  |
| 58.0                                                                                | 1.0    | 1.2            | 1.1 | 1.1 | 1.0            | 1.0 | 1.0 | 58.0                                                                                  |
| 60.0                                                                                | 0.8    | 0.9            | 0.9 | 1.0 | 1.0            | 1.0 | 1.0 | 60.0                                                                                  |
| 62.0                                                                                |        | 0.7            | 0.7 | 0.8 | 1.0            | 0.9 | 0.9 | 62.0                                                                                  |
| 64.0                                                                                |        | 0.6            | 0.6 | 0.6 | 0.9            | 0.9 | 0.9 | 64.0                                                                                  |
| 66.0                                                                                |        |                |     |     | 0.8            | 0.8 | 0.9 | 66.0                                                                                  |
| 68.0                                                                                |        |                |     |     |                | 0.7 | 0.7 | 68.0                                                                                  |
|  | 1      |                |     |     |                |     |     |  |
|  | 8      |                |     |     |                |     |     |  |

# 07 Lifting performance table

Main boom + extension arm + jib (TEJ)

单位:t



|    | 70m+9m | 70m+9.5m+10.2m |     |     | 70m+9.5m+17.5m |     |     |    |
|-------------------------------------------------------------------------------------|--------|----------------|-----|-----|----------------|-----|-----|---------------------------------------------------------------------------------------|
|                                                                                     | 0      | 0              | 15  | 30  | 0              | 15  | 30  |                                                                                       |
| 16.0                                                                                | 6.5    |                |     |     |                |     |     | 16.0                                                                                  |
| 18.0                                                                                | 6.3    |                |     |     |                |     |     | 18.0                                                                                  |
| 20.0                                                                                | 6.2    |                |     |     |                |     |     | 20.0                                                                                  |
| 22.0                                                                                | 6.0    | 3.5            |     |     |                |     |     | 22.0                                                                                  |
| 24.0                                                                                | 5.5    | 3.4            | 2.8 |     | 2.6            |     |     | 24.0                                                                                  |
| 26.0                                                                                | 5.2    | 3.3            | 2.7 | 2.2 | 2.5            |     |     | 26.0                                                                                  |
| 28.0                                                                                | 5.0    | 3.2            | 2.6 | 2.1 | 2.4            | 1.6 |     | 28.0                                                                                  |
| 30.0                                                                                | 4.8    | 3.1            | 2.6 | 2.0 | 2.3            | 1.6 |     | 30.0                                                                                  |
| 32.0                                                                                | 4.6    | 3.0            | 2.5 | 2.0 | 2.2            | 1.5 | 1.3 | 32.0                                                                                  |
| 34.0                                                                                | 4.1    | 3.0            | 2.4 | 1.9 | 2.0            | 1.5 | 1.3 | 34.0                                                                                  |
| 36.0                                                                                | 3.5    | 2.9            | 2.3 | 1.9 | 1.8            | 1.4 | 1.2 | 36.0                                                                                  |
| 38.0                                                                                | 3.0    | 2.8            | 2.2 | 1.8 | 1.7            | 1.3 | 1.2 | 38.0                                                                                  |
| 40.0                                                                                | 2.5    | 2.8            | 2.0 | 1.8 | 1.6            | 1.2 | 1.2 | 40.0                                                                                  |
| 42.0                                                                                | 2.1    | 2.5            | 1.9 | 1.7 | 1.5            | 1.2 | 1.2 | 42.0                                                                                  |
| 44.0                                                                                | 1.7    | 2.1            | 1.8 | 1.7 | 1.4            | 1.2 | 1.1 | 44.0                                                                                  |
| 46.0                                                                                | 1.4    | 1.8            | 1.7 | 1.6 | 1.3            | 1.1 | 1.1 | 46.0                                                                                  |
| 48.0                                                                                | 1.1    | 1.5            | 1.6 | 1.6 | 1.3            | 1.1 | 1.1 | 48.0                                                                                  |
| 50.0                                                                                | 0.8    | 1.2            | 1.4 | 1.5 | 1.2            | 1.1 | 1.1 | 50.0                                                                                  |
| 52.0                                                                                | 0.5    | 0.9            | 1.1 | 1.2 | 1.2            | 1.0 | 1.0 | 52.0                                                                                  |
| 54.0                                                                                |        | 0.7            | 0.8 | 1.0 | 1.1            | 1.0 | 1.0 | 54.0                                                                                  |
| 56.0                                                                                |        | 0.5            | 0.6 | 0.7 | 1.1            | 1.0 | 1.0 | 56.0                                                                                  |
| 58.0                                                                                |        |                |     | 0.5 | 1.0            | 1.0 | 1.0 | 58.0                                                                                  |
| 60.0                                                                                |        |                |     |     | 0.9            | 1.0 | 1.0 | 60.0                                                                                  |
| 62.0                                                                                |        |                |     |     | 0.8            | 0.9 | 0.9 | 62.0                                                                                  |
| 64.0                                                                                |        |                |     |     | 0.6            | 0.8 | 0.9 | 64.0                                                                                  |
| 66.0                                                                                |        |                |     |     | 0.5            | 0.6 | 0.7 | 66.0                                                                                  |
| 68.0                                                                                |        |                |     |     |                | 0.5 | 0.6 | 68.0                                                                                  |
|  | 1      |                |     |     |                |     |     |  |
|  | 8      |                |     |     |                |     |     |  |





## Sany Automobile Hoisting Machinery Co., Ltd.

No. 168, Jinzhou Avenue, Jinzhou Development Zone, Changsha, Hunan, China Postal Code: 410600

Tel: 0731-8787 3131 Fax: 0731-8403 1999-196 Email: qzjyx@sany.com.cn

After-sales service hotline: 400 887 8318 Consultation and complaint hotline: 400 887 9318

Warm Tips:

In order to ensure the safe and reliable operation of your diesel engine, please add national VI diesel and urea solution that meet national standards for National VI models. Please refer to the instruction manual and relevant standards for details.

Due to the continuous updating of technology, technical parameters and configurations are subject to change without prior notice. The machine in the picture may include additional equipment. This brochure is for reference only. The actual product shall prevail. The copyright belongs to Sany Heavy Industry. Without the written permission of Sany Heavy Industry, any part of the content of this catalogue shall not be copied or plagiarized for any purpose.

Printed in China January 2025 edition

©

[www.sanygroup.com](http://www.sanygroup.com)