

SRC600C

SANY Rough-Terrain Crane
60 Ton Lifting Capacity



Main boom length: 11.3~43.5m
Max lifting torque: 2115kN·m
Max gradability: 75%

Excellent performance

- ✔ Key structural optimization, improve the product performance.
- ✔ Over-length boom and high tensile steel U-sharped boom, which allows for decreased boom weight and increased boom strength.
- ✔ Two-axle off-roader chassis, four-wheel driving, four-steering modes have good mobility.

Energy and High efficiency

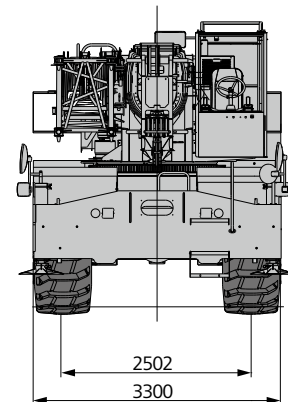
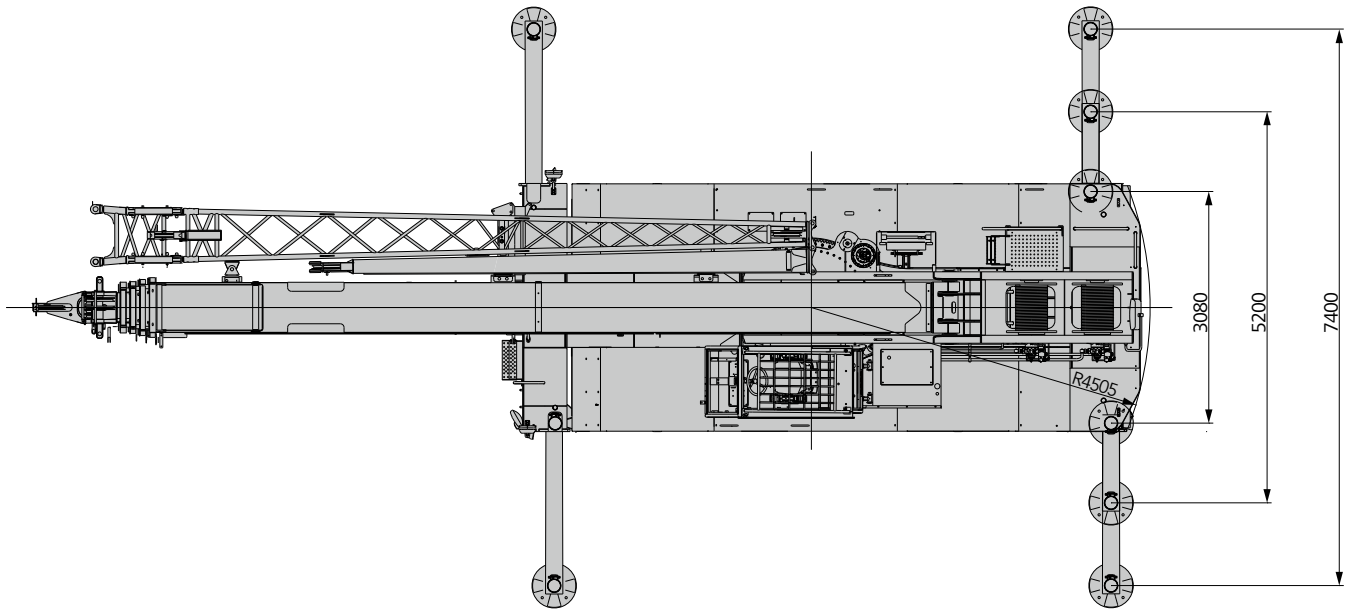
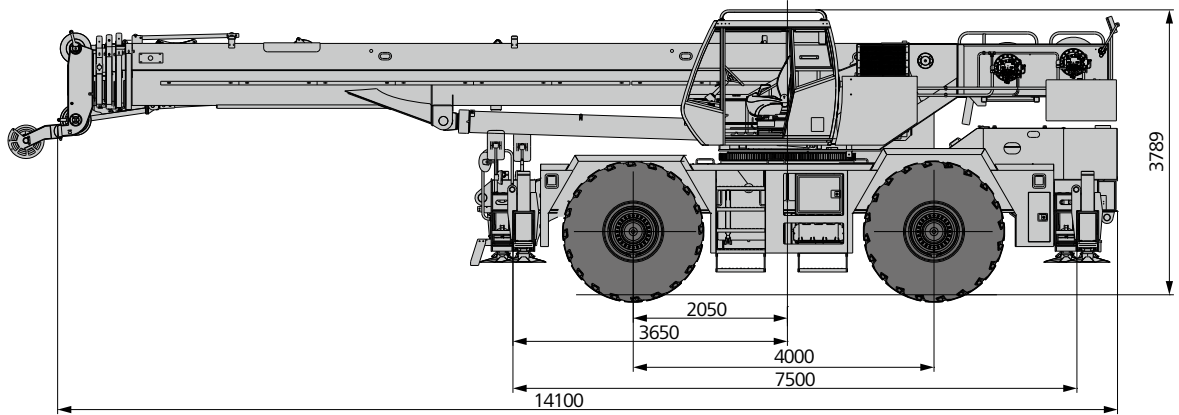
- ✔ The load sensitive variable displacement piston pump is applied to adjust the pump displacement in real time with little energy loss during operation.
- ✔ The dead-weight luffing compensation hydraulic system is applied to ensure good micro-mobility and excellent stability.
- ✔ The four-wheel steering control system is applied to ensure four individual steering modes with flexible operation.
- ✔ The dual-circuit braking system is applied with individual brakes for front and rear wheels and pressure maintained by an accumulator, providing good braking effect.
- ✔ Slewing and steering circuits are controlled by a priority valve, providing priority for steering control and ensuring the stability and rapid response of slewing action.

Safety and Reliable

- ✔ Load moment limiter: The system can provide comprehensive protection for the lifting operation and will alarm if the crane is overloaded, guaranteeing operation safety.
- ✔ A three-wrap rope protector is applied to both main and auxiliary winches to prevent over rolling-out of wire rope.
- ✔ A height limiter is applied at both boom and jib ends to prevent over-hoisting of the wire rope.
- ✔ Equipped with length sensor, angle sensor and press sensor to indicate the working condition of whole crane in real-time, giving an alarm and cutting off the dangerous action automatically.
- ✔ Use high-quality axle, engine, gearbox, hydraulic pump and hydraulic motor etc. key parts, improve the reliable of product.



Overall Dimensions



Technical Parameters

| Category | Item | Unit | Value | |
|-------------------------|---------------------------------------------------------------|-------------------------|------------------------------|------|
| Capacity | Max. lifting capacity | t | 60 | |
| Weight | Gross weight | kg | 44900 | |
| Power | Engine model | - | DF Cummins ISDe285 30 Tier 3 | |
| | Max. engine power | kW/rpm | 210/2500 | |
| | Max. engine torque | N·m/rpm | 970/1500 | |
| Dimensions | Overall length | mm | 14100 | |
| | Overall width | mm | 3300 | |
| | Overall height | mm | 3760 | |
| | Wheel Track | mm | 2502 | |
| Travel | Max.travel speed (empty load) | km/h | 40 | |
| | Steering radius | m | 12.9/7.4 | |
| | Wheel formula | - | 4x4 | |
| | Min.ground clearance | mm | 513 | |
| | Approach angle | ° | 22 | |
| | Departure angle | ° | 17 | |
| | Max.gradeability | % | 75 | |
| Main Performance | Working temperature range | °C | -20~+46 | |
| | Min.rated lifting radius | m | 3 | |
| | Tail slewing radius | m | 4.5 | |
| | Boom sections (Qty.) | - | 5 | |
| | Boom shape | - | U-shape | |
| | Jib offset | ° | 0, 15, 30 | |
| | Max.lifting moment | Basic boom | kN·m | 2115 |
| | | Full-entention boom | kN·m | 1100 |
| | | Full-entention boom+jib | kN·m | 530 |
| | Boom length | Basic boom | m | 11.3 |
| | | Full-entention boom | m | 43.5 |
| | | Full-entention boom+jib | m | 59.5 |
| | Max. lifting height | Basic boom | m | 13.8 |
| Full-entention boom | | m | 46 | |
| Full-entention boom+jib | | m | 62 | |
| Operation speed | Max.single rope lifting speed of main winch (empty load) | m/min | 151 | |
| | Max.single rope lifting speed of auxiliary winch (empty load) | m/min | 151 | |
| | Full extension/retraction time of boom | s | 95/110 | |
| | Full luffing up/down time of boom | s | 55/75 | |

Technical Parameters



Axle Load

| Axle | 1 | 2 | Total weight |
|-------------|------|------|--------------|
| Axle load/t | 24.8 | 20.1 | 44.9 |
| Note | - | | |

Standard Equipment

| Number | Name | Number | Name |
|--------|---------------------------|--------|-------------------------|
| 1 | Engine | 14 | Telescope balance valve |
| 2 | Gear box | 15 | Swing buffer valve |
| 3 | Front axle assembly | 16 | Telescope cylinder I |
| 4 | Rear axle assembly | 17 | Telescope cylinder II |
| 5 | Torque converter radiator | 18 | Luffing cylinder |
| 6 | Tire | 19 | Air condition system |
| 7 | Piston pump | 20 | Swing bearing |
| 8 | Gear pump | 21 | Swing reducer |
| 9 | Main valve | 22 | Hoisting reducer |
| 10 | Hoisting motor | 23 | Main hook |
| 11 | Swing motor | 24 | Auxiliary hook |
| 12 | Luffing balance valve | 25 | Motion controller |
| 13 | Hoisting balance valve | | |

Optional Equipment

- Optional hook I (lifting capacity:50t Mass:595kg)
- Optional hook II (lifting capacity:30t Mass:360kg)
- Gas pump
- Intake valve
- Winch and backup camera

Crane Introduction

Engine

- Model: ISDe285 30.
- Type: six cylinder, direct injection diesel, 4 cycle, turbo charged and after cooled.
- Rated Power: 210kw/2500r/min.
- Exhaust: Euro III.
- Fuel tank: 300L.

Transmission

- Transmission: DANA automatic gearbox, Power shift with 6 forward and 6 reverse speeds (3 speeds high and 3 speed low). Front axle disconnect for 4x2 travel.

Axles

- Front Axle: Drive/steer with differential and planetary reduction, traveling and parking brake.
- Rear Axle: Drive/steer axle with differential and planetary reduction, traveling brake.

Suspension

- Front Suspension: Rigid mounted to frame.
- Rear Suspension: Pivot mounted with hydraulic lockout device.

Tires

- Model: 29.5R25.

Brake System

- System Type: Full hydraulic double-circuit brake system and all wheels brake.
- Brake Model: Traveling brake (all wheels) and parking brake(front wheels).

Steering System

- System Type: Full hydraulic independent power steering.
- Steering Model: 2 wheel front, 2 wheel rear, 4 wheel coordinated and 4 wheel crab.

Outrigger System

- Outrigger Type: Hydraulic telescoping single-stage H type outrigger.
- Outrigger Span: 7.4m×7.5m (100% extension), 5.2m×7.5m (50% retracted), 3.08m×7.5m (fully retracted).

Cab

- The self-made full-vision anti-corrosion steel cab, equipped 10.4 in. touch screen,air-suspension seat, multi-function steering wheel, cold air-condition and heater.

Boom System

- Main Boom: 11.3m ~ 43.5m five-section U-shaped boom, maximum tip height 46m.
- Jib: 9.2m & 16m two stage bi-fold lattice type with 0°,15°,30°, maximum tip height 61m.

Elevation

- One double-acting hydraulic cylinder with integral holding valve, elevation angle from -2°~80°.

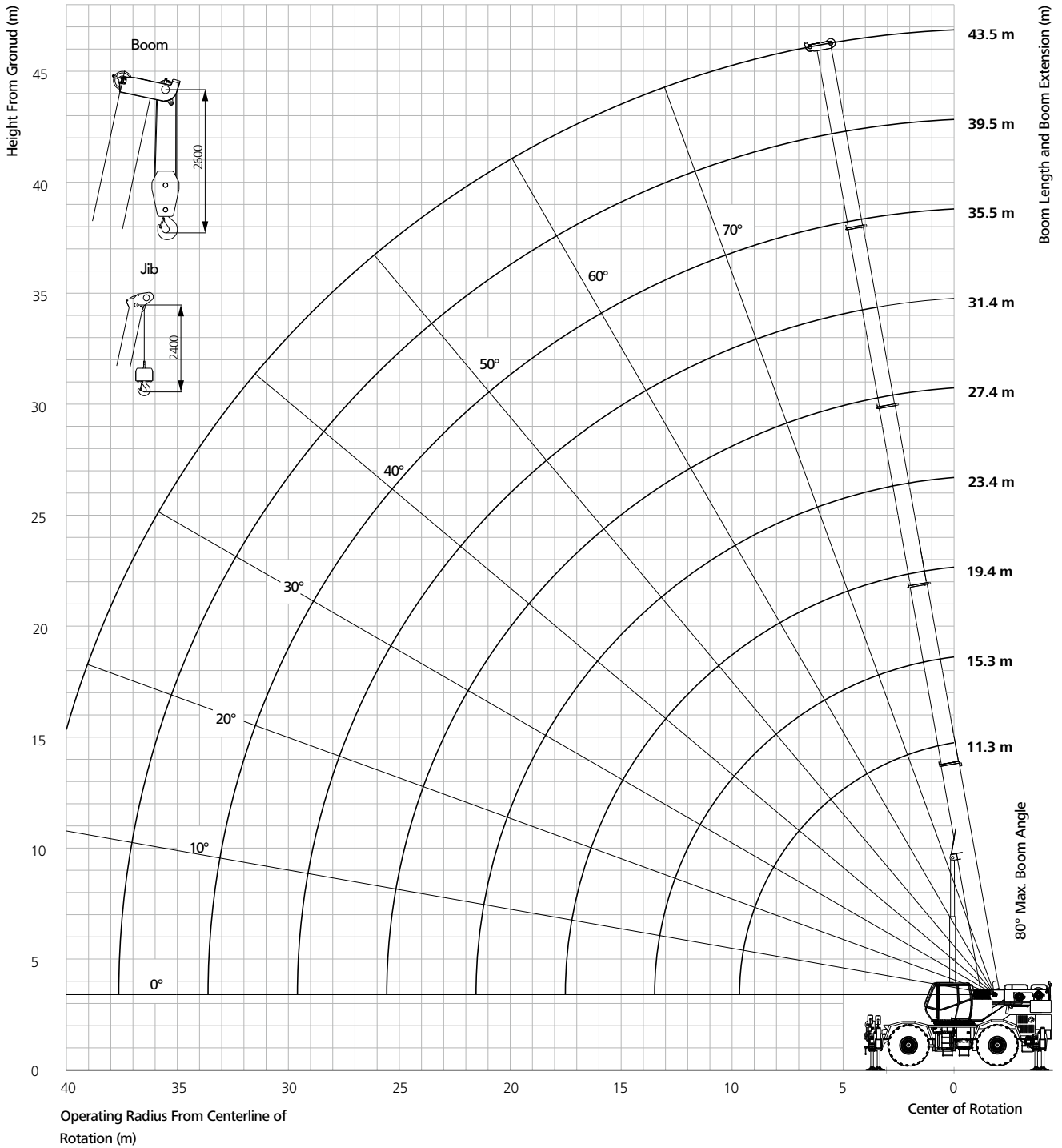
Hoist

- Main Hoist: Planetary reduction with variable motor, motor high/low speed control. Hoist speed feedback, maximum single line speed 155m/min, rope diameter 20mm, length 230m.
- Auxiliary Hoist: Planetary reduction with variable motor, motor high/low speed control. Hoist speed feedback, maximum single line speed 155m/min, rope diameter 20mm, length 135m.
- Hook: 60T main hook with 5 sheaves, weight is 660kg. 8T auxiliary hook, weight is 160kg.

Slewing

- 360° rotation, Maximum speed: 2.6r/min. Hydraulic controlled proportional speed adjustment is applied, providing stable and reliable operation of the system. Unique slewing buffer design ensures more stable braking operation.

Boom Operating Range



Load Chart - Telescopic Boom

Unit: metric ton



| Radius (m) | 11.30 | 15.33 | 19.35 | | 23.38 | | 27.40 | | 31.43 | | 35.45 | | 39.48 | | 43.50 | Radius (m) |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| 3.0 | 60.00 | 45.00 | 35.00 | 22.00 | | | | | | | | | | | | 3.0 |
| 3.5 | 57.00 | 45.00 | 35.00 | 22.00 | 25.00 | 20.00 | | | | | | | | | | 3.5 |
| 4.0 | 54.00 | 45.00 | 35.00 | 22.00 | 25.00 | 20.00 | 22.50 | 17.05 | | | | | | | | 4.0 |
| 4.5 | 47.80 | 43.00 | 33.00 | 22.00 | 25.00 | 20.00 | 22.50 | 17.05 | 17.50 | 15.00 | | | | | | 4.5 |
| 5.0 | 43.00 | 41.00 | 32.00 | 22.00 | 24.50 | 20.00 | 22.00 | 17.05 | 17.50 | 15.00 | | | | | | 5.0 |
| 5.5 | 39.00 | 38.00 | 32.00 | 22.00 | 24.20 | 20.00 | 21.50 | 17.05 | 17.50 | 15.00 | 15.50 | 11.00 | | | | 5.5 |
| 6.0 | 35.50 | 34.70 | 32.00 | 22.00 | 23.80 | 19.50 | 20.50 | 17.05 | 17.50 | 14.50 | 14.50 | 11.00 | | | | 6.0 |
| 6.5 | 32.50 | 32.00 | 30.50 | 22.00 | 22.30 | 19.00 | 19.80 | 16.30 | 17.50 | 14.00 | 14.00 | 11.00 | 12.50 | 10.00 | | 6.5 |
| 7.0 | 30.00 | 29.70 | 29.00 | 22.00 | 21.50 | 18.50 | 18.80 | 15.70 | 17.50 | 13.50 | 14.00 | 11.00 | 12.00 | 10.00 | 9.50 | 7.0 |
| 7.5 | 27.80 | 27.50 | 26.00 | 22.00 | 21.00 | 18.00 | 18.00 | 15.00 | 17.50 | 13.00 | 13.00 | 11.00 | 11.50 | 10.00 | 9.50 | 7.5 |
| 8.0 | 25.80 | 25.00 | 23.50 | 22.00 | 20.00 | 17.50 | 17.20 | 14.50 | 16.50 | 12.50 | 12.50 | 11.00 | 11.00 | 10.00 | 9.50 | 8.0 |
| 9.0 | 20.00 | 20.00 | 19.50 | 21.70 | 18.00 | 17.00 | 16.50 | 13.50 | 15.00 | 12.00 | 12.00 | 10.30 | 10.50 | 10.00 | 9.30 | 9.0 |
| 10.0 | | 16.00 | 16.00 | 17.80 | 16.00 | 12.50 | 15.00 | 12.50 | 13.50 | 11.00 | 11.50 | 9.60 | 10.00 | 9.60 | 9.00 | 10.0 |
| 12.0 | | 10.90 | 11.00 | 12.80 | 12.00 | 12.00 | 11.80 | 10.70 | 11.00 | 10.00 | 10.00 | 8.60 | 9.00 | 9.10 | 8.30 | 12.0 |
| 14.0 | | | 7.70 | 9.80 | 8.50 | 9.50 | 8.80 | 9.35 | 8.60 | 8.60 | 8.50 | 7.80 | 8.00 | 8.60 | 8.00 | 14.0 |
| 16.0 | | | 5.50 | 7.50 | 6.00 | 7.80 | 6.80 | 8.05 | 6.90 | 7.20 | 7.10 | 6.75 | 7.30 | 7.60 | 7.35 | 16.0 |
| 18.0 | | | | | 4.50 | 6.50 | 5.20 | 6.55 | 5.60 | 6.20 | 5.70 | 6.05 | 6.00 | 6.20 | 5.80 | 18.0 |
| 20.0 | | | | | 3.40 | 5.30 | 4.10 | 5.35 | 4.40 | 5.20 | 4.50 | 5.25 | 4.80 | 4.90 | 4.70 | 20.0 |
| 22.0 | | | | | | | 3.15 | 4.45 | 3.30 | 4.40 | 3.55 | 4.55 | 3.70 | 4.15 | 3.80 | 22.0 |
| 24.0 | | | | | | | 2.45 | 3.65 | 2.50 | 3.60 | 2.85 | 3.75 | 2.90 | 3.35 | 3.10 | 24.0 |
| 26.0 | | | | | | | | | 1.90 | 3.10 | 2.25 | 3.25 | 2.30 | 2.85 | 2.50 | 26.0 |
| 28.0 | | | | | | | | | 1.50 | 2.60 | 1.75 | 2.75 | 1.90 | 2.35 | 2.00 | 28.0 |
| 30.0 | | | | | | | | | | | 1.35 | 2.35 | 1.50 | 1.95 | 1.60 | 30.0 |
| 32.0 | | | | | | | | | | | 1.00 | 1.95 | 1.20 | 1.55 | 1.25 | 32.0 |
| 34.0 | | | | | | | | | | | | | 0.90 | 1.25 | 0.95 | 34.0 |
| 36.0 | | | | | | | | | | | | | 0.70 | 1.05 | | 36.0 |
| 2nd boom | 0% | 50% | 100% | 0% | 100% | 0% | 100% | 0% | 100% | 0% | 100% | 0% | 100% | 50% | 100% | 2nd boom |
| 3rd boom | 0% | 0% | 0% | 33% | 17% | 50% | 33% | 66% | 50% | 84% | 66% | 100% | 84% | 100% | 100% | 3rd boom |
| 4th boom | 0% | 0% | 0% | 33% | 17% | 50% | 33% | 66% | 50% | 84% | 66% | 100% | 84% | 100% | 100% | 4th boom |
| 5th boom | 0% | 0% | 0% | 33% | 17% | 50% | 33% | 66% | 50% | 84% | 66% | 100% | 84% | 100% | 100% | 5th boom |
| Rope rate | 10 | 10 | 8 | 8 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | Rope rate |

Load Chart - Telescopic Boom

Unit: metric ton



| Radius (m) | 11.30 | 15.33 | 19.35 | 23.38 | 27.40 | 31.43 | 35.45 | 39.48 | 43.50 | Radius (m) | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------|
| 3.0 | 55.00 | 45.00 | 35.00 | 22.00 | | | | | | | 3.0 |
| 3.5 | 50.00 | 41.00 | 32.50 | 21.00 | 25.00 | 20.00 | | | | | 3.5 |
| 4.0 | 44.40 | 37.00 | 30.50 | 19.80 | 24.00 | 19.00 | 22.50 | 18.50 | | | 4.0 |
| 4.5 | 38.00 | 33.50 | 29.00 | 18.80 | 22.50 | 18.00 | 21.50 | 17.20 | 17.50 | 15.00 | 4.5 |
| 5.0 | 32.00 | 30.00 | 26.50 | 17.50 | 21.50 | 16.50 | 20.80 | 15.00 | 17.20 | 14.00 | 5.0 |
| 5.5 | 27.00 | 25.50 | 23.50 | 16.20 | 20.80 | 15.00 | 20.40 | 13.80 | 17.00 | 12.80 | 5.5 |
| 6.0 | 22.50 | 21.50 | 20.00 | 15.00 | 20.00 | 14.20 | 19.80 | 13.20 | 16.50 | 12.50 | 6.0 |
| 6.5 | 19.00 | 18.00 | 17.50 | 14.20 | 18.00 | 13.50 | 18.00 | 12.80 | 15.80 | 12.30 | 6.5 |
| 7.0 | 16.00 | 15.50 | 15.20 | 13.50 | 15.40 | 13.00 | 15.50 | 12.40 | 14.80 | 12.00 | 7.0 |
| 7.5 | 14.00 | 13.80 | 13.00 | 13.00 | 13.50 | 12.50 | 13.80 | 12.00 | 13.50 | 11.80 | 7.5 |
| 8.0 | 12.00 | 12.00 | 11.00 | 12.40 | 12.20 | 12.00 | 12.50 | 11.50 | 12.20 | 11.20 | 8.0 |
| 9.0 | 9.50 | 9.50 | 9.60 | 11.20 | 9.80 | 11.00 | 10.00 | 10.60 | 10.00 | 10.40 | 9.0 |
| 10.0 | | 7.40 | 7.60 | 9.70 | 7.80 | 9.50 | 8.00 | 9.20 | 8.30 | 9.20 | 10.0 |
| 12.0 | | 5.00 | 5.00 | 7.20 | 5.30 | 7.00 | 5.40 | 6.80 | 5.50 | 6.70 | 12.0 |
| 14.0 | | | 3.40 | 5.40 | 3.70 | 5.30 | 3.90 | 5.20 | 4.00 | 5.00 | 14.0 |
| 16.0 | | | 2.20 | 3.80 | 2.60 | 3.70 | 2.80 | 3.70 | 2.90 | 3.50 | 16.0 |
| 18.0 | | | | | 1.80 | 2.70 | 2.00 | 2.80 | 2.10 | 2.80 | 18.0 |
| 20.0 | | | | | 1.20 | 2.10 | 1.50 | 2.20 | 1.60 | 2.20 | 20.0 |
| 22.0 | | | | | | | 0.90 | 1.70 | 1.10 | 1.80 | 22.0 |
| 24.0 | | | | | | | | 1.30 | | 1.40 | 24.0 |
| 26.0 | | | | | | | | | 1.00 | 1.10 | 26.0 |
| 28.0 | | | | | | | | | 0.90 | 0.90 | 28.0 |
| 2nd boom | 0% | 50% | 100% | 0% | 100% | 0% | 100% | 0% | 100% | 0% | 2nd boom |
| 3rd boom | 0% | 0% | 0% | 33% | 17% | 50% | 33% | 66% | 50% | 84% | 3rd boom |
| 4th boom | 0% | 0% | 0% | 33% | 17% | 50% | 33% | 66% | 50% | 84% | 4th boom |
| 5th boom | 0% | 0% | 0% | 33% | 17% | 50% | 33% | 66% | 50% | 84% | 5th boom |
| Min boom angle | 20 | 25 | 25 | 20 | 20 | 20 | 30 | 20 | 40 | 15 | Min boom angle |
| Rope rate | 10 | 10 | 8 | 8 | 6 | 6 | 4 | 4 | 4 | 4 | Rope rate |

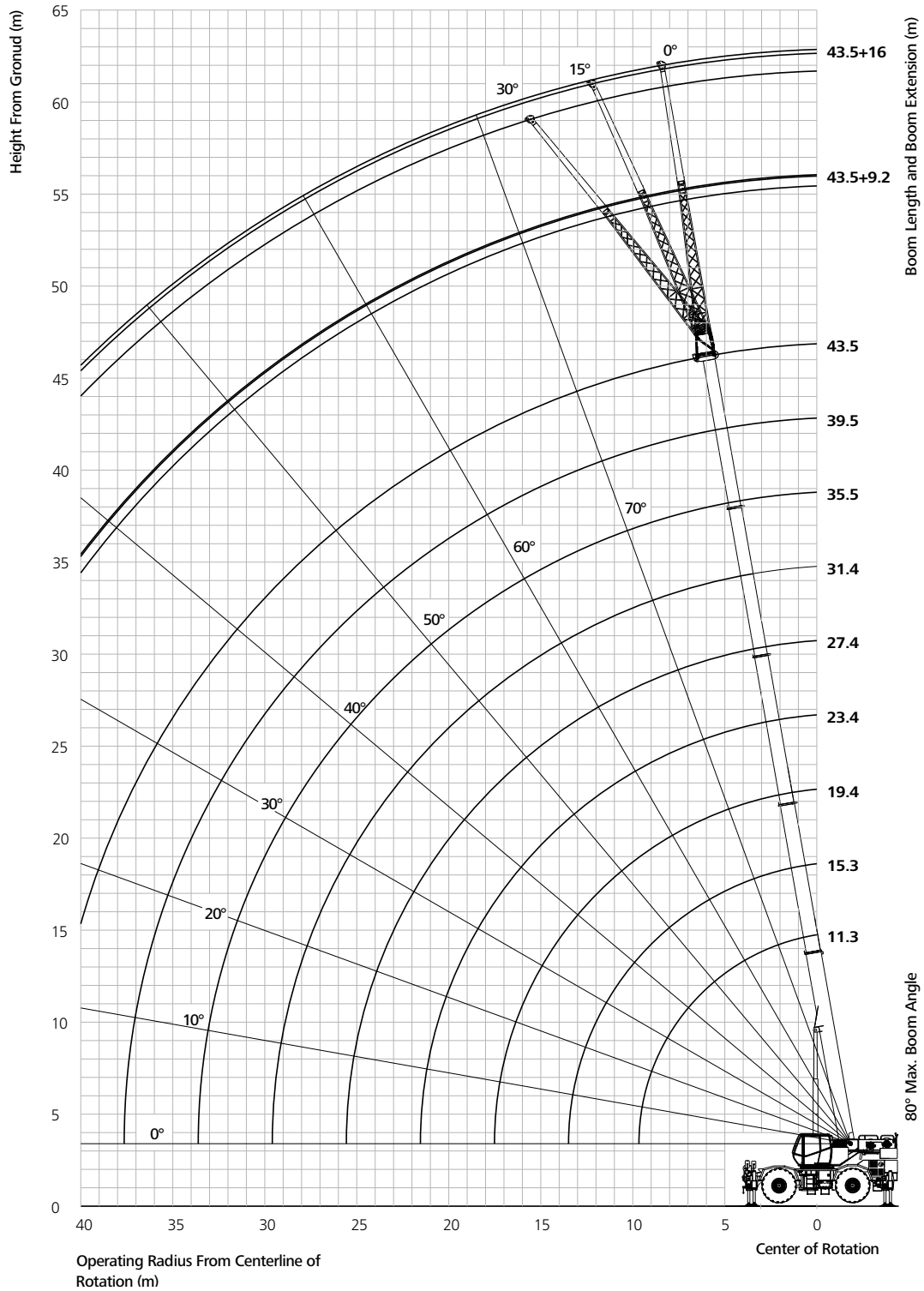
Load Chart - Telescopic Boom

Unit: metric ton



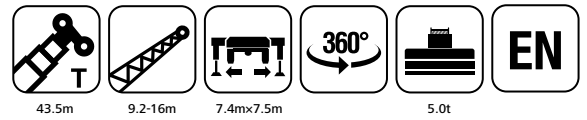
| Radius (m) | 11.30 | 15.33 | 19.35 | 23.38 | 27.40 | 31.43 | 35.45 | 39.48 | 43.50 | Radius (m) | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-------|-------|------|------|------|----------------|
| 3.0 | 30.00 | 30.00 | 25.00 | 22.00 | | | | | | 3.0 | | | | | | |
| 3.5 | 24.80 | 24.00 | 23.50 | 20.50 | 20.00 | 20.00 | | | | 3.5 | | | | | | |
| 4.0 | 18.80 | 18.00 | 17.50 | 18.00 | 17.00 | 17.80 | 16.50 | 17.50 | | 4.0 | | | | | | |
| 4.5 | 15.20 | 14.50 | 13.50 | 15.50 | 14.00 | 15.50 | 14.00 | 15.20 | 14.00 | 15.00 | 4.5 | | | | | |
| 5.0 | 12.90 | 12.00 | 11.40 | 13.50 | 11.80 | 13.50 | 12.00 | 13.20 | 12.00 | 13.00 | 5.0 | | | | | |
| 5.5 | 11.20 | 10.50 | 10.00 | 11.50 | 10.20 | 11.50 | 10.50 | 11.50 | 10.80 | 11.20 | 10.50 | 11.00 | 5.5 | | | |
| 6.0 | 9.80 | 9.00 | 8.50 | 10.20 | 9.00 | 10.20 | 9.20 | 10.20 | 9.50 | 10.00 | 9.20 | 9.80 | 9.00 | 9.20 | 6.0 | |
| 6.5 | 8.60 | 8.00 | 7.50 | 8.80 | 7.80 | 8.90 | 8.00 | 9.00 | 8.20 | 9.00 | 8.20 | 9.00 | 8.20 | 8.40 | 6.5 | |
| 7.0 | 7.60 | 7.00 | 6.50 | 7.80 | 7.00 | 7.90 | 7.20 | 8.00 | 7.30 | 8.00 | 7.30 | 8.00 | 7.40 | 7.60 | 7.40 | 7.0 |
| 7.5 | 6.60 | 6.00 | 5.60 | 7.00 | 6.20 | 7.10 | 6.50 | 7.20 | 6.50 | 7.20 | 6.50 | 7.20 | 6.50 | 6.70 | 6.50 | 7.5 |
| 8.0 | 5.70 | 5.20 | 5.00 | 6.00 | 5.20 | 6.10 | 5.50 | 6.20 | 5.60 | 6.20 | 5.60 | 6.20 | 5.60 | 5.80 | 5.70 | 8.0 |
| 9.0 | 4.30 | 4.00 | 3.80 | 4.70 | 4.20 | 4.90 | 4.50 | 5.00 | 4.50 | 5.00 | 4.50 | 5.00 | 4.50 | 4.70 | 4.40 | 9.0 |
| 10.0 | | 3.00 | 2.80 | 3.60 | 3.00 | 3.80 | 3.20 | 3.90 | 3.20 | 4.00 | 3.20 | 4.00 | 3.30 | 3.50 | 3.40 | 10.0 |
| 12.0 | | 1.60 | 1.40 | 2.40 | 1.80 | 2.60 | 2.00 | 2.70 | 2.10 | 2.80 | 2.20 | 2.80 | 2.30 | 2.50 | 2.40 | 12.0 |
| 14.0 | | | | 1.60 | 1.00 | 1.80 | 1.20 | 1.90 | 1.30 | 2.00 | 1.40 | 2.00 | 1.60 | 1.80 | 1.70 | 14.0 |
| 16.0 | | | | 1.00 | | 1.20 | | 1.30 | 0.80 | 1.30 | 0.90 | 1.40 | 1.10 | 1.30 | 1.20 | 16.0 |
| 18.0 | | | | | | | | 0.90 | | 0.90 | | 1.00 | 0.70 | 0.90 | 0.80 | 18.0 |
| 2nd boom | 0% | 50% | 100% | 0% | 100% | 0% | 100% | 0% | 100% | 0% | 100% | 0% | 100% | 50% | 100% | 2nd boom |
| 3rd boom | 0% | 0% | 0% | 33% | 17% | 50% | 33% | 66% | 50% | 84% | 66% | 100% | 84% | 100% | 100% | 3rd boom |
| 4th boom | 0% | 0% | 0% | 33% | 17% | 50% | 33% | 66% | 50% | 84% | 66% | 100% | 84% | 100% | 100% | 4th boom |
| 5th boom | 0% | 0% | 0% | 33% | 17% | 50% | 33% | 66% | 50% | 84% | 66% | 100% | 84% | 100% | 100% | 5th boom |
| Min boom angle | 20 | 25 | 45 | 25 | 45 | 40 | 55 | 45 | 55 | 50 | 60 | 55 | 62 | 60 | 62 | Min boom angle |
| Rope rate | 10 | 8 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Rope rate |

Jib Operating Range



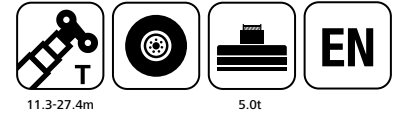
Load Chart - Fixed Jib

Unit: metric ton



| Working length of the boom | 43.5m+9.2m | | | 43.5m+16m | | | Working length of the boom |
|----------------------------|------------|------|------|-----------|------|------|----------------------------|
| | 0° | 15° | 30° | 0° | 15° | 30° | |
| 80 | 4.50 | 2.70 | 2.40 | 2.60 | 1.50 | 1.10 | 80 |
| 78 | 4.50 | 2.70 | 2.40 | 2.60 | 1.50 | 1.10 | 78 |
| 76 | 4.00 | 2.50 | 2.30 | 2.40 | 1.40 | 1.10 | 76 |
| 74 | 3.75 | 2.40 | 2.25 | 2.20 | 1.30 | 1.10 | 74 |
| 72 | 3.50 | 2.30 | 2.15 | 2.00 | 1.20 | 1.00 | 72 |
| 70 | 3.00 | 2.20 | 2.05 | 1.80 | 1.15 | 1.00 | 70 |
| 68 | 2.70 | 2.10 | 1.95 | 1.60 | 1.10 | 0.95 | 68 |
| 66 | 2.50 | 2.00 | 1.85 | 1.50 | 1.05 | 0.90 | 66 |
| 64 | 2.20 | 1.80 | 1.75 | 1.45 | 1.00 | 0.85 | 64 |
| 62 | 2.00 | 1.65 | 1.50 | 1.30 | 0.95 | 0.80 | 62 |
| 60 | 1.70 | 1.45 | 1.20 | 1.10 | 0.85 | 0.75 | 60 |
| 58 | 1.20 | 1.00 | 0.85 | 0.90 | 0.75 | 0.65 | 58 |
| 56 | 1.00 | 0.85 | 0.75 | 0.80 | 0.65 | 0.60 | 56 |
| 54 | 0.80 | 0.70 | 0.60 | 0.70 | 0.60 | | 54 |
| 52 | 0.70 | 0.60 | 0.55 | | | | 52 |
| 50 | 0.60 | | | | | | 50 |
| Min angle(°) | 48° | 50° | 50° | 52° | 52° | 54° | Min angle(°) |

Load Chart - Pick and Carry, Load over Front



11.3-27.4m

5.0t

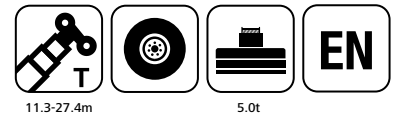
Unit: metric ton

| Radius (m) | 11.30 | 15.33 | 19.35 | 23.38 | 27.40 | Radius (m) |
|--------------|-------|-------|-------|-------|-------|--------------|
| 3 | 18.10 | 14.10 | 9.00 | | | 3 |
| 3.5 | 16.00 | 14.10 | 8.00 | 6.50 | | 3.5 |
| 4 | 14.30 | 14.10 | 7.00 | 6.50 | | 4 |
| 4.5 | 12.85 | 12.65 | 7.20 | 6.50 | 5.50 | 4.5 |
| 5 | 11.60 | 11.40 | 6.50 | 6.50 | 5.00 | 5 |
| 5.5 | 10.50 | 10.30 | 6.00 | 6.00 | 4.50 | 5.5 |
| 6 | 9.20 | 9.35 | 5.30 | 5.00 | 4.20 | 6 |
| 6.5 | 8.00 | 8.40 | 4.80 | 4.30 | 3.80 | 6.5 |
| 7 | 7.00 | 7.50 | 4.20 | 4.00 | 3.50 | 7 |
| 7.5 | 6.00 | 6.60 | 3.80 | 3.50 | 3.20 | 7.5 |
| 8 | 5.30 | 5.80 | 3.20 | 3.00 | 2.90 | 8 |
| 8.5 | 4.65 | 5.40 | 2.95 | 2.70 | 2.50 | 8.5 |
| 9 | 4.00 | 5.00 | 2.70 | 2.40 | 2.20 | 9 |
| 10 | | 4.00 | 2.20 | 2.00 | 1.90 | 10 |
| 11 | | | 1.70 | 1.60 | 1.50 | 11 |
| 12 | | | | 1.50 | 1.30 | 12 |
| 14 | | | | | 1.00 | 14 |
| 1st cylinder | 0% | 0% | 0% | 0% | 0% | 1st cylinder |
| 2nd cylinder | 0% | 17% | 33% | 50% | 67% | 2nd cylinder |
| Rope rate | 6 | 6 | 6 | 6 | 6 | Rope rate |

For safety operation, traveling speed shall be less than 4km/h.

Load Chart - On Tires Stationary, Load over Front

Unit: metric ton



| Radius (m) | 11.30 | 15.33 | 19.35 | 23.38 | 27.40 | Radius (m) |
|--------------|-------|-------|-------|-------|-------|--------------|
| 3 | 20.00 | 16.00 | 15.00 | | | 3 |
| 3.5 | 20.00 | 16.00 | 15.00 | 11.00 | | 3.5 |
| 4 | 20.00 | 16.00 | 14.00 | 11.00 | 10.00 | 4 |
| 4.5 | 17.50 | 15.00 | 13.00 | 11.00 | 10.00 | 4.5 |
| 5 | 14.50 | 13.00 | 12.00 | 11.00 | 10.00 | 5 |
| 5.5 | 12.00 | 11.00 | 11.00 | 10.00 | 10.00 | 5.5 |
| 6 | 10.30 | 10.00 | 10.00 | 9.50 | 9.50 | 6 |
| 6.5 | 9.10 | 9.00 | 8.80 | 9.00 | 9.20 | 6.5 |
| 7 | 7.80 | 7.90 | 8.00 | 8.00 | 8.00 | 7 |
| 7.5 | 6.80 | 6.90 | 7.00 | 7.20 | 7.50 | 7.5 |
| 8 | 6.00 | 6.00 | 6.00 | 6.50 | 7.10 | 8 |
| 8.5 | 5.20 | 5.00 | 5.00 | 6.00 | 6.30 | 8.5 |
| 9 | 4.50 | 4.50 | 4.00 | 5.00 | 5.50 | 9 |
| 10 | | 3.50 | 3.00 | 4.00 | 4.20 | 10 |
| 11 | | | 2.00 | 3.30 | 3.80 | 11 |
| 12 | | | 1.00 | 2.80 | 3.00 | 12 |
| 14 | | | | 1.80 | 2.00 | 14 |
| 16 | | | | 1.00 | | 16 |
| 1st cylinder | 0% | 0% | 0% | 0% | 0% | 1st cylinder |
| 2nd cylinder | 0% | 17% | 33% | 50% | 67% | 2nd cylinder |
| Rope rate | 6 | 6 | 6 | 6 | 6 | Rope rate |

Load Chart - On Tires Stationary

Unit: metric ton



11.3-27.4m

5.0t

| Radius (m) | 11.30 | 15.33 | 19.35 | 23.38 | 27.40 | Radius (m) |
|--------------|-------|-------|-------|-------|-------|--------------|
| 3 | 12.00 | 10.50 | 10.0 | | | 3 |
| 3.5 | 12.00 | 10.50 | 10.0 | | | 3.5 |
| 4 | 10.00 | 10.00 | 9.0 | 8.00 | | 4 |
| 4.5 | 8.60 | 8.00 | 8.0 | 6.50 | 5.50 | 4.5 |
| 5 | 7.00 | 6.50 | 6.0 | 5.70 | 5.50 | 5 |
| 5.5 | 5.80 | 4.80 | 4.5 | 5.00 | 5.50 | 5.5 |
| 6 | 4.30 | 3.00 | 3.0 | 4.00 | 5.50 | 6 |
| 6.5 | 3.00 | 2.50 | 2.5 | 3.00 | 3.50 | 6.5 |
| 7 | 2.50 | 2.00 | 2.0 | 2.50 | 3.00 | 7 |
| 7.5 | 2.00 | 1.50 | 1.5 | 1.70 | 2.00 | 7.5 |
| 8 | 1.50 | 1.50 | 1.5 | 1.70 | 2.00 | 8 |
| 8.5 | | 1.00 | 1.0 | 1.20 | 1.50 | 8.5 |
| 9 | | | | | 1.00 | 9 |
| 1st cylinder | 0% | 0% | 0% | 0% | 0% | 1st cylinder |
| 2nd cylinder | 0% | 17% | 33% | 50% | 67% | 2nd cylinder |
| Rope rate | 6 | 6 | 6 | 6 | 6 | Rope rate |



SANY GROUP CRANE BU

SANY Mobile Crane Industrial Park, No.168 Jinzhou Avenue, Jinzhou Development Zone, Changsha City, Hunan Province, P.R. China Zip 410600

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

After-sales Service 0086-400 6098 318

Reminder:

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