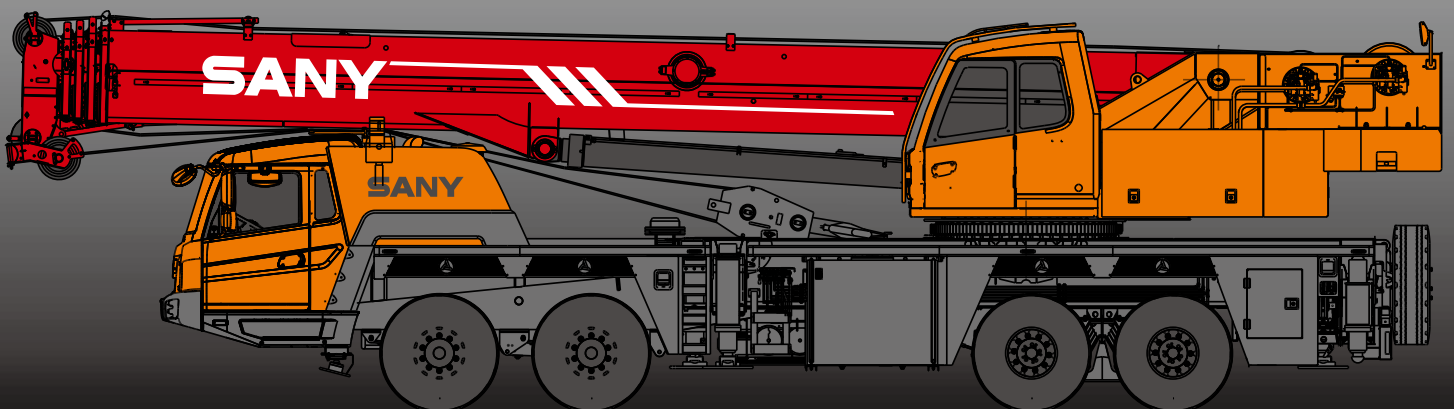


STC600S

STC600S TRUCK CRANE
60 TONS LIFTING CAPACITY

Quality Changes the World



SANY

■ SANY Automobile Hoisting Machinery is one of the core business unit of Sany Heavy Industry, mainly engaged in the research and development of high end, mid to large tonnage crane series, including mobile crane, crawler crane, tower crane and loader crane. It has two industrial parks in Ningxiang and Huzhou, since entering the market, the products of Sany Automobile Hoisting Machinery have received worldwide recognition with advanced technology, lean manufacturing, high reliability and excellent service.





SANY TRUCK CRANE

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Cab



Carrier frame



Suspension system



Hydraulic system



Outriggers



Telescopic boom



Control system



Engine



Lattice jibs



Telescopic system



Transmission system



Superlift devices



Luffing system



Drive/Steer



Luffing lattice jib



Slewing



Axles



winch mechanism:



Counterweight



Tyres



Safety system



Brakes system



Hoist system



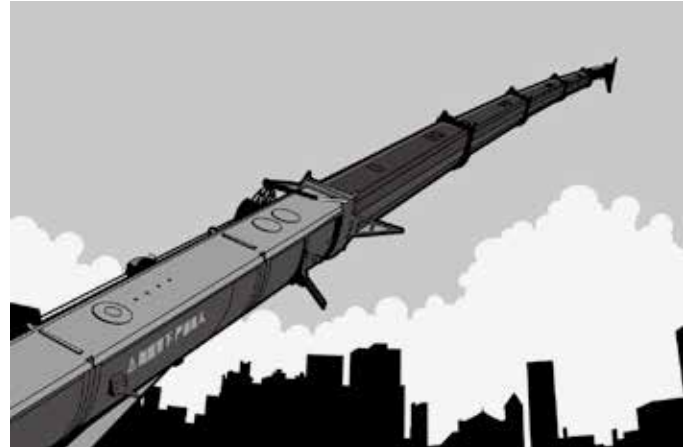
Electrical system



Excellent and stable chassis performance / chassis system

Double-axle drive is used, providing good trafficability and comfortableness under complex road condition with reliable traveling performance and the rear axle is equipped with rubber suspension and V-shaped thrust lever which provide less vibration and comfortable traveling feeling.

Engine has the multimode power output function, which reduces power consumption. The use of tipping over early-warning technology provides high stability and safety of the overall operation.



Ultra long, super strong and highly sensitive load lifting capacity

Five-section boom of high strength steel structure and optimized U-shaped cross section reduces weight significantly with higher safety rates. Jib mounting angles are 0°, 15°, and 30° which ensures fast and convenient change-over between different operating conditions so as to improving working efficiency of the machine.



Highly efficient, stable, energy-saving, and adjustable electrical proportion hydraulic system

Load feedback of hydraulic system, constant power control, piston pump and electrical control valve are applied to provide strong lifting capacity and good micro-mobility. Unique steering buffer design is adopted to ensure stable braking operation.



Safe, stable, advanced, and intelligent electric control system

Self-developed controller SYMC specially for engineering machinery is configured. The adoption of CAN-bus full-digital network control technology ensures stable control signal, simple harness, and high reliability. Timely feedback of data information can achieve the monitoring of the overall working status in real-time; the load moment limiter equipped with the comprehensive intelligent protection system is used with accuracy within 3% to provide a comprehensive logic and interlock control, thus ensuring more safe and reliable operation.

Superstructure

Cab

- It is made of anti-corrosion steel plate with ergonomic design such as full-coverage soften interior, panoramic sunroof and, adjustable seats etc., and humanized design providing more comfortable and relaxing operation experience. The display of load moment limiter integrates main console and operation display system, which clearly show the data of all operating superstructure conditions for lifting operation.

Hydraulic system

- High-quality key hydraulic components such as main oil pump, rotary pump, main valve, winch motor, and balancing parts etc. are adopted to achieve stable and reliable operation of the hydraulic system. Superior operation performance is guaranteed by accurate parameter matching.
- Through the adoption of load sensitive variable displacement piston pump, pump displacement can be adjusted in real-time, achieving high-precision flow control with no energy loss during operation.
- Electrical control valve has flow compensation and load feedback control function, enabling stable and convenient control of single action and combined action under different operation conditions
- Winch adopts the electronically controlled variable motor to ensure high operation efficiency. Max. single line speeds of main and auxiliary winches is up to 125m/min.
- Slewing system is equipped with the integrated slewing buffer valve with free slipping function to ensure more stable starting and control of the slewing operation and excellent micro-mobility.
- Hydraulic oil tank capacity: 686L.

Control system

- CAN-bus instrument: CAN-bus instrument with a combined intelligent control electrical system is used for easy reading of the traveling parameters at any time. The engine fault warning function is applied to ensure convenient and fast troubleshooting.
- With fully security protection system, main and auxiliary winches are equipped with over-rollback limiter and height limiters to prevent over-rolling out and over-hoisting of steel rope, including tip-over and limit angle protection.
- Load moment limiter: The adoption of high intelligent load moment limiter system can comprehensively protect lifting operation, ensuring accurate, stable and comfort operation.
- I/O interface is added to the display of superstructure which could show the condition of the crane very soon.
- The fault diagnosis system can detect superstructure electricity, hydraulic action, chassis (for major safety failure), engine and gearbox for fault to ensure reliable operation of the crane.

Luffing system

- Dead-weight luffing provides more stable luffing operation at low energy loss.
- Luffing angle: $-2^{\circ} \sim 80^{\circ}$.

Telescopic system

- Five-section boom is applied with basic boom length of 11.3m, full-extended boom length of 43.5m, jib length of 16m and lifting height of fully extended boom length of 43.7m respectively. Max. lifting height is 60m including jib. It is made of fine grain high-strength steel with U-shaped cross section and with telescopic operation controlled independent by dual-cylinder rope.

Slewing system

- 360° rotation can be achieved with Max. slewing speed of 2.0r/min. Electrical controlled proportional speed adjustment is applied to provide stable and reliable operation of the system. Unique rotary buffer design ensures more stable braking.

Superstructure



Hoisting system

- The adoption of pump and motor double variable speed control ensures high efficiency and excellent energy saving functionality. With perfect combination of winch balance valve and unique anti-slip technology, heavy load can lift and lower smoothly. Closed winch brake and winch balance valve effectively prevent imbalance of the hook.
- One main hook: 610Kg, one auxiliary hook: 90Kg, and the Max. lifting height are 60t and 5t. Wire rope of main winch: left-handed wire rope 18-35W×7-1960 L220m. Wire rope of auxiliary winch: left-handed wire rope 18-35W×7-1960 L130m.



Safety system

- Load moment limiter: Load moment limiter calculation system based on lifting load mechanical model is established using an analytical mechanics method with rated lifting accuracy up to $\pm 3\%$ through on-line non-load calibration, providing full protection to lifting operation. In case of overload operation, system will automatically issue an alarm to provide safety protection for manipulation.
- Hydraulic system is configured with the balance valve, overflow valve and two-way hydraulic lock etc. components, thus achieving stable and reliable operation of the hydraulic system.
- Main and auxiliary winches are equipped with over roll-out limiter to prevent over rolling-out of wire rope.
- Boom and jib ends are equipped with height limiters respectively to prevent over-hoisting of wire rope.
- Boom head is equipped with anemometer and press sensor to indicate the working condition of whole crane in real-time, giving an alarm and cutting off the dangerous action automatically.



Counterweight

- Fixed counterweight is 4600kg, flexible counterweight is 3000kg.

Chassis



Cab

- Cab is made of new steel structure self-developed by SANY, featuring excellent shock absorption and tightness, which is configured with swing-out doors at both sides, pneumatically suspended driver's seat and passenger seat, adjustable steering wheel, large rearview mirror, comfort driver chair having a headrest, anti-fog fan, air conditioner, stereo radio, complete control instruments and meters and the sleeper providing more comfortable, safe, and humanized operation experience.



Carrier frame

- Designed and manufactured by SANY, anti-torsion box structure is welded by fine-grain high-strength steel plate, to provide strong load bearing capacity. Compared to the trench-shaped structure, the box structure is 78% higher in anti-torsion and 28% higher in anti-bending, the rigidity and bearing capacity are improved a lot as well.



Axles

- Axles 3 and 4 are drive axles and axles 1 and 2 are steering axles. The use of welding process for axle housing provides stronger load bearing capacity.



Engine

- Type: Inline six-cylinder, water cooled, supercharged and inter-cooling diesel engine
- Rated power: 250kw/2100r/min
- Environment-protection: Emission complies with EuroIII standard
- Capacity of fuel tank: 350L

Chassis

**Transmission system**

- Gearbox: Manual gearbox is adopted with 9-gear and large speed ratio range applied, which meets the requirements of low gradeability speed and high traveling speed.
- Transmission shaft: With optimized arrangement of the transmission shaft, the transmission is stable and reliable. For most optimized transmission, face-tooth coupling transmission shaft is used with large transmission torque .

**Brakes system**

- Air servo brakes are used for all wheels with dual-circuit brake system applied, engine is equipped with an exhaust brake.
- Brakes system includes traveling brake, parking brake, emergency brake and auxiliary brake.
- Traveling brake: All wheels use the air servo brakes and dual-circuit brake system.
- Parking brake: Force driven by accumulator is applied on the third to fourth axle.
- For emergency brake, accumulator is used not only for cutting-off brake but also for emergency brake.
- Auxiliary brake is exhaust brake with brake safety ensured while travelling downhill.

**Suspension system**

- The axle 1&2 adopt the plate spring suspension systems and the axle 3&4 adopt rubber suspension and V-shaped thrust lever with over 100,000 fatigue tests to ensure strength and also to provide comfort ridding.

**Steering system**

- Hydraulic power mechanical steering systems are applied for axles 1 and 2 with unloading valve installed in the steering gear.

**Outriggers**

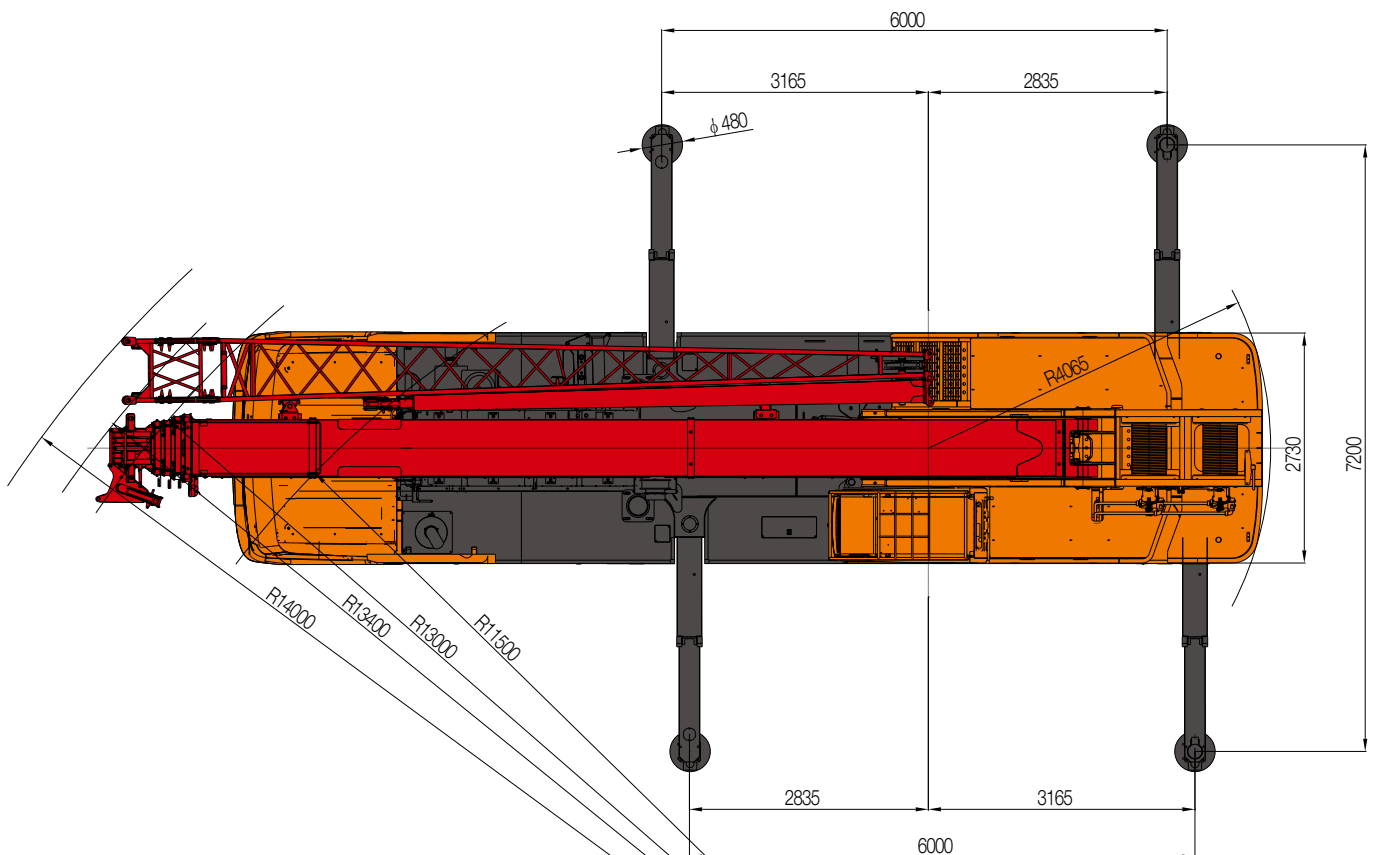
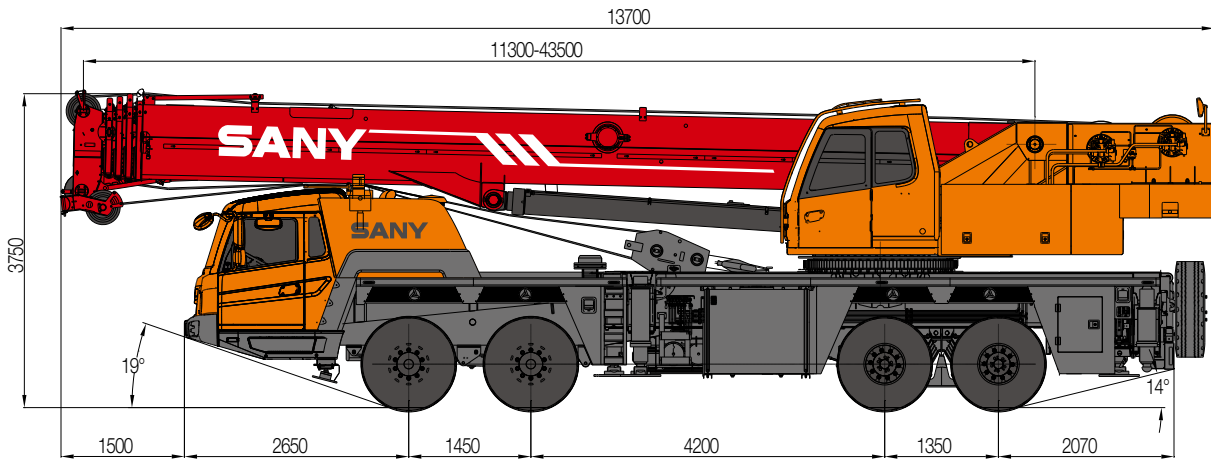
- Four-point supporting of the H-shaped outriggers ensures easy operation and strong stability with max. span up to 6m×7.2m. They are made of fine-grain high-strength steel sheet with horizontal single-cylinder rope line telescoping for first and second outriggers. Vertical cylinder of outrigger adopts bi- directional hydraulic locks to improve safety.

**Tyres**

- 12.00R20-20PR×12

**Electrical system**

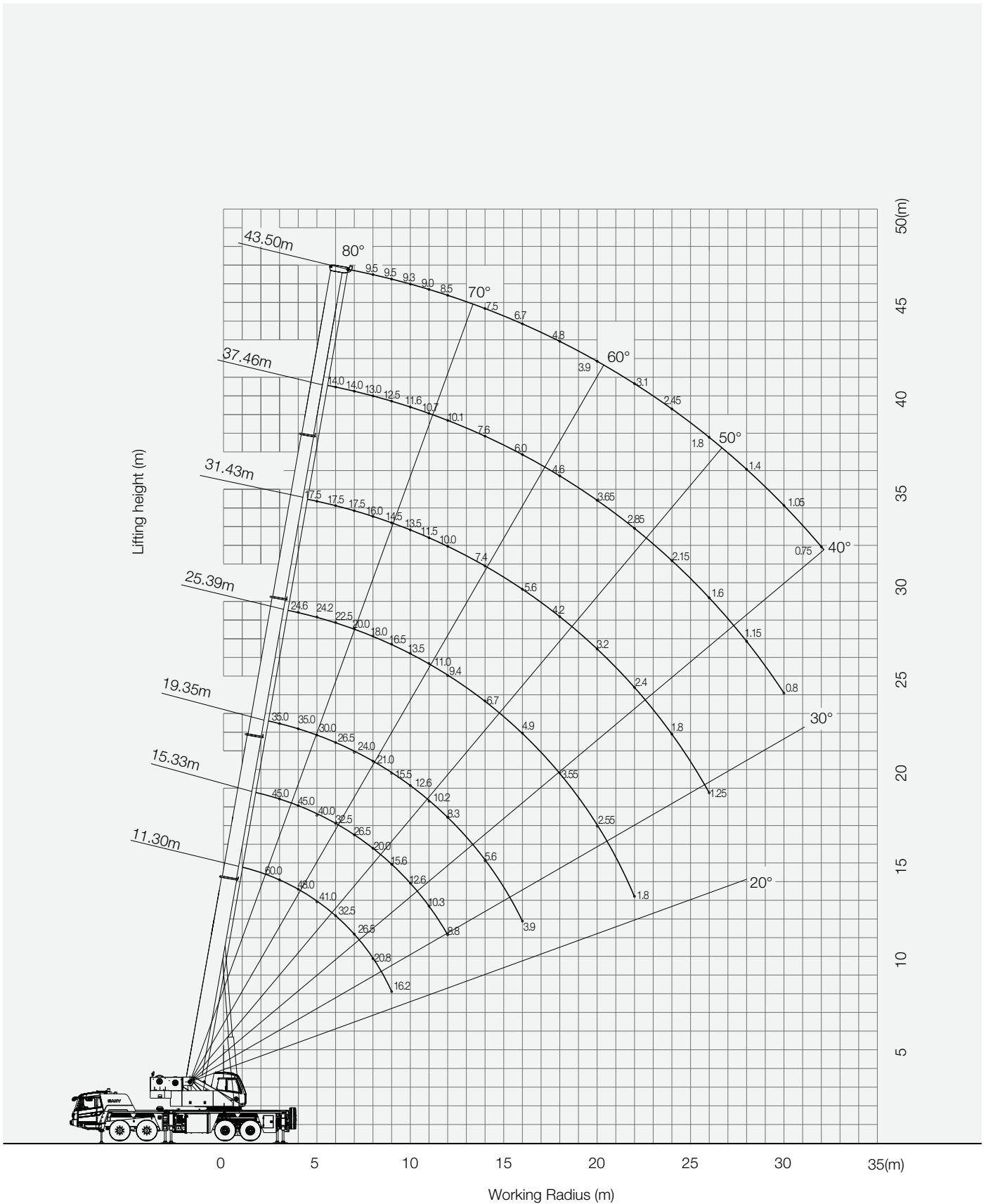
- With 2*12V maintenance-free batteries, the crane power can be cut off manually via a mechanical master power switch. The use of CAN-bus control system can achieve information interaction between superstructure and undercarriage.



STC600S TRUCK CRANE
TECHNICAL PARAMETER

| Type | Item | Parameter | |
|---|--|---------------------------------|--|
| Capacity | Max. lifting capacity | 60 t | |
| Dimensions | Overall length | 13700 mm | |
| | Overall width | 2750 mm | |
| | Overall height | 3750 mm | |
| | Axle distance | Axle-1, 2 | 1450 mm |
| Axle-2, 3 | | 4200 mm | |
| Axle-3, 4 | | 1350 mm | |
| Weight | Overall weight | 42000 kg | |
| | Axle load | Axle load-1,2 | 16000 kg |
| | | Axle load-3,4 | 26000 kg |
| Engine | Rated power | 250 kW/ 2100 rpm | |
| | Rated torque | 1425 N.m/ 1100-1400 rpm | |
| Traveling | Max.traveling speed | 85 km/h | |
| | Turning radius | Min.turning radius | 11.5 m |
| | | Min.turning radius of boom head | 14 m |
| | Wheel formula | 8 × 4 | |
| | Min.ground clearance | 295 mm | |
| | Approach angle | 19 ° | |
| | Departure angle | 14 ° | |
| | Max.gradeability | 42% | |
| Fuel consumption per 100km | ≤ 43 L | | |
| Main Performance Data | Temperature range | - 20 ° ~ + 45 ° | |
| | Min.rated range | 3 m | |
| | Tail slewing radius of swingtable | 4.065 m | |
| | Boom section | 5 | |
| | Boom shape | U-shaped | |
| | Max.lifting moment | Base boom | 2009 kN·m |
| | | Full-extend boom | 1050.6kN·m (4.6t counterweight) 1066.2kN·m (4.6+3t counterweight) |
| | | Full-extend boom+jib | 521.1 kN·m |
| | Boom length | Base boom | 11.3 m |
| | | Full-extend boom | 43.5 m |
| | | Full-extend boom+jib | 59.5 m |
| Outrigger span (Longitudinal×Transversal) | 6 × 7.2 m | | |
| Jib offset | 0 °, 15 °, 30 ° | | |
| Working speed | Max.single rope lifting speed of main winch (no load) | 125 m/min | |
| | Max.single rope lifting speed of auxiliary winch (no load) | 125 m/min | |
| | Full extension/retraction time of boom | 100 / 120 s | |
| | Full lifting/descending time of boom | 60 / 80 s | |
| | Slewing speed | 0~ 2.0 r/min | |
| Air condition | Superstructure | Cooling | |
| | Chassis | Heating/Cooling | |

STC600S Working Ranges of Boom



STC600S TRUCK CRANE
LOAD CHART

Unit:Kg

Prerequisites:

- ① **Boom operating conditions (fully-extended boom length), min. length is 11.3m and max. length is 43.5m**
- ② **The span of outriggers is 6×7.2m**
- ③ **Lifting at the rear side of the crane**
- ④ **The fixed counterweight is 4.6t**

| Radius (m) | Main boom | | | | | | | | | | | Radius (m) |
|--------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------------|
| | 11.3 | 15.33 | 17.34 | 19.35 | 23.38 | 25.39 | 29.41 | 31.43 | 35.45 | 37.46 | 43.5 | |
| 3.0 | 60000 | 45000 | 24600 | 35000 | | | | | | | | 3.0 |
| 3.5 | 55000 | 45000 | 24600 | 35000 | 17500 | | | | | | | 3.5 |
| 4.0 | 48000 | 45000 | 24200 | 35000 | 17500 | 24600 | | | | | | 4.0 |
| 4.5 | 45000 | 43000 | 24000 | 33000 | 17500 | 24600 | 14000 | | | | | 4.5 |
| 5.0 | 41000 | 40000 | 22500 | 30000 | 17500 | 24200 | 14000 | 17500 | | | | 5.0 |
| 5.5 | 36000 | 36000 | 21000 | 28000 | 17500 | 24000 | 14000 | 17500 | 9500 | | | 5.5 |
| 6.0 | 32500 | 32500 | 20000 | 26500 | 16500 | 22500 | 13500 | 17500 | 9500 | 14000 | | 6.0 |
| 6.5 | 29500 | 29500 | 19000 | 25000 | 16000 | 21000 | 12900 | 17500 | 9500 | 14000 | | 6.5 |
| 7.0 | 26500 | 26500 | 18000 | 24000 | 15500 | 20000 | 12400 | 17500 | 9500 | 14000 | | 7.0 |
| 7.5 | 23200 | 23500 | 17000 | 22000 | 15000 | 19000 | 11800 | 16700 | 9500 | 13500 | | 7.5 |
| 8.0 | 20800 | 20000 | 16500 | 21000 | 14000 | 18000 | 11300 | 16000 | 9300 | 13000 | 9500 | 8.0 |
| 9.0 | 16200 | 15600 | 16000 | 15500 | 13000 | 16500 | 10500 | 14500 | 9000 | 12500 | 9500 | 9.0 |
| 10.0 | | 12600 | 14600 | 12600 | 12500 | 13500 | 9600 | 13500 | 8500 | 11600 | 9300 | 10.0 |
| 11.0 | | 10300 | 12100 | 10200 | 12000 | 11000 | 8900 | 11500 | 7800 | 10700 | 9000 | 11.0 |
| 12.0 | | 8800 | 10200 | 8300 | 10600 | 9400 | 8300 | 10000 | 7300 | 10100 | 8500 | 12.0 |
| 14.0 | | | 7500 | 5600 | 8100 | 6700 | 7300 | 7400 | 6300 | 7600 | 7500 | 14.0 |
| 16.0 | | | | 3900 | 6300 | 4900 | 6400 | 5600 | 5500 | 6000 | 6700 | 16.0 |
| 18.0 | | | | | 5000 | 3550 | 5300 | 4200 | 4700 | 4600 | 4800 | 18.0 |
| 20.0 | | | | | 4000 | 2550 | 4300 | 3200 | 4100 | 3650 | 3900 | 20.0 |
| 22.0 | | | | | | 1800 | 3500 | 2400 | 3600 | 2850 | 3100 | 22.0 |
| 24.0 | | | | | | | 2800 | 1800 | 3050 | 2150 | 2450 | 24.0 |
| 26.0 | | | | | | | 2300 | 1250 | 2450 | 1600 | 1800 | 26.0 |
| 28.0 | | | | | | | | | 2050 | 1150 | 1400 | 28.0 |
| 30.0 | | | | | | | | | 1650 | 800 | 1050 | 30.0 |
| 32.0 | | | | | | | | | 1400 | | 750 | 32.0 |
| Telescoping condition(%) | | | | | | | | | | | | |
| Modes | I,II | I | II | I | II | I | II | I | II | I | I,II | Modes |
| 2nd boom | 0 | 50 | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 100 | 100 | 2nd boom |
| 3rd boom | 0 | 0 | 25 | 0 | 50 | 25 | 75 | 50 | 100 | 75 | 100 | 3rd boom |
| 4th boom | 0 | 0 | 25 | 0 | 50 | 25 | 75 | 50 | 100 | 75 | 100 | 4th boom |
| 5th boom | 0 | 0 | 25 | 0 | 50 | 25 | 75 | 50 | 100 | 75 | 100 | 5th boom |
| Number of lines | 12 | 10 | 6 | 8 | 4 | 6 | 4 | 4 | 3 | 4 | 3 | Number of lines |

Unit:Kg

Prerequisites:

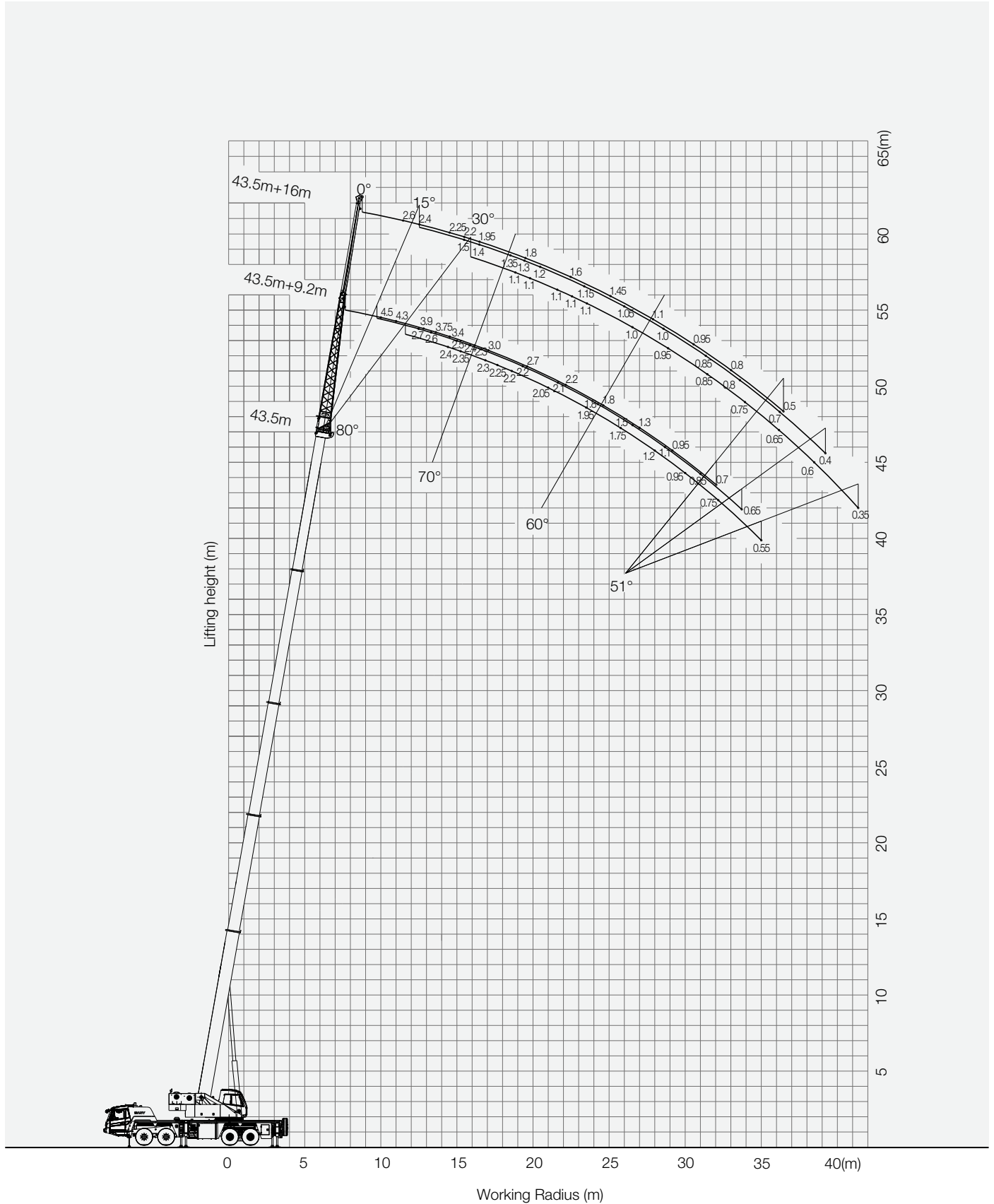
- ① Boom operating conditions (fully-extended boom length), min. length is 11.3m and max. length is 43.5m
- ② The span of outriggers is 6×7.2m
- ③ Lifting at the rear side of the crane
- ④ The fixed counterweight is 4.6t and the flexible counterweight is 3t

| Radius (m) | Main Boom | | | | | | | | | | | Radius (m) |
|--------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------------|
| | 11.3 | 15.33 | 17.34 | 19.35 | 23.38 | 25.39 | 29.41 | 31.43 | 35.45 | 37.46 | 43.5 | |
| 3.0 | 60000 | 45000 | 24600 | 35000 | | | | | | | | 3.0 |
| 3.5 | 55000 | 45000 | 24600 | 35000 | 17500 | | | | | | | 3.5 |
| 4.0 | 48000 | 45000 | 24200 | 35000 | 17500 | 24600 | | | | | | 4.0 |
| 4.5 | 45000 | 43000 | 24000 | 33000 | 17500 | 24600 | 14000 | | | | | 4.5 |
| 5.0 | 41000 | 40000 | 22500 | 30000 | 17500 | 24200 | 14000 | 17500 | | | | 5.0 |
| 5.5 | 36000 | 36000 | 21000 | 28000 | 17500 | 24000 | 14000 | 17500 | 9500 | | | 5.5 |
| 6.0 | 32500 | 32500 | 20000 | 26500 | 17000 | 22500 | 13500 | 17500 | 9500 | 14000 | | 6.0 |
| 6.5 | 29500 | 29500 | 19000 | 25000 | 16500 | 21000 | 12900 | 17500 | 9500 | 14000 | | 6.5 |
| 7.0 | 26500 | 26500 | 18000 | 24000 | 16000 | 20000 | 12400 | 17500 | 9500 | 14000 | | 7.0 |
| 7.5 | 24000 | 23500 | 17000 | 22000 | 15500 | 19000 | 11800 | 16700 | 9500 | 13500 | | 7.5 |
| 8.0 | 21500 | 21200 | 16500 | 21000 | 15000 | 18000 | 11300 | 16000 | 9500 | 13000 | 9500 | 8.0 |
| 9.0 | 17000 | 17000 | 16000 | 16600 | 14000 | 16500 | 10500 | 14500 | 9200 | 12500 | 9500 | 9.0 |
| 10.0 | | 13800 | 15000 | 13600 | 13000 | 14500 | 9600 | 13500 | 8500 | 11600 | 9300 | 10.0 |
| 11.0 | | 11400 | 13000 | 11100 | 12000 | 12100 | 8900 | 12500 | 7800 | 10700 | 9000 | 11.0 |
| 12.0 | | 9500 | 11000 | 9100 | 11000 | 10200 | 8300 | 10900 | 7300 | 10100 | 8500 | 12.0 |
| 14.0 | | | 8300 | 6400 | 8900 | 7400 | 7300 | 8100 | 6300 | 8500 | 7500 | 14.0 |
| 16.0 | | | | 4500 | 7100 | 5500 | 6400 | 6200 | 5500 | 6600 | 6800 | 16.0 |
| 18.0 | | | | | 5600 | 4000 | 5700 | 4800 | 4900 | 5200 | 5500 | 18.0 |
| 20.0 | | | | | 4600 | 3000 | 4800 | 3600 | 4300 | 4100 | 4400 | 20.0 |
| 22.0 | | | | | | 2200 | 3900 | 2800 | 3900 | 3300 | 3600 | 22.0 |
| 24.0 | | | | | | | 3200 | 2100 | 3400 | 2600 | 2900 | 24.0 |
| 26.0 | | | | | | | 2700 | 1550 | 2800 | 2000 | 2300 | 26.0 |
| 28.0 | | | | | | | | 1050 | 2300 | 1550 | 1800 | 28.0 |
| 30.0 | | | | | | | | | 1900 | 1150 | 1400 | 30.0 |
| 32.0 | | | | | | | | | 1600 | 850 | 1050 | 32.0 |
| 34.0 | | | | | | | | | | | 750 | 34.0 |
| Telescoping condition(%) | | | | | | | | | | | | |
| Modes | I,II | I | II | I | II | I | II | I | II | I | I,II | Modes |
| 2nd boom | 0 | 50 | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 100 | 100 | 2nd boom |
| 3rd boom | 0 | 0 | 25 | 0 | 50 | 25 | 75 | 50 | 100 | 75 | 100 | 3rd boom |
| 4th boom | 0 | 0 | 25 | 0 | 50 | 25 | 75 | 50 | 100 | 75 | 100 | 4th boom |
| 5th boom | 0 | 0 | 25 | 0 | 50 | 25 | 75 | 50 | 100 | 75 | 100 | 5th boom |
| Number of lines | 12 | 10 | 6 | 8 | 4 | 6 | 4 | 4 | 3 | 4 | 3 | Number of lines |

Notes:

- 1. Values listed in the table refer to rated lifting capacity measured at flat and solid ground under the lever state of the crane;
- 2. Value above heavy line shall be determined by strength of the crane and under this line shall be determined by stability of the crane;
- 3. Working radius listed in the load chart is the actual radius with load;
- 4. Rated load values determined by stability shall comply with ISO 4305;
- 5. Rated lifting capacity listed in the table included weights of lifting hooks (610kg of main hook and 90kg of auxiliary hook)and hangers;
- 6. With the 5th outrigger extended, the value listed in the table shall be applicable for 360°operation;
- 7. Rated lifting capacity with pulley at boom tip shall not exceed 4000kg. If jib is applied, the rated lifting capacity of the boom shall be deducted by 2300kg.
- 8. If actual boom length and range are between two values specified in the table, larger value will determine the lifting capacity.

STC600S Working Ranges of Jib



Unit:Kg

Full-extend outriggers, over side and rear,with max. span up to 6m×7.2m,counterweight of 4.6t,360°rotation

| Main boom angle(°) | 43.5+16m jib | | |
|---------------------|--------------|------|------|
| | 0° | 15° | 30° |
| 78° | 2600 | 1500 | 1100 |
| 77° | 2400 | 1400 | 1100 |
| 75° | 2250 | 1350 | 1100 |
| 74° | 2200 | 1300 | 1100 |
| 73° | 1950 | 1200 | 1100 |
| 70° | 1800 | 1150 | 1000 |
| 67° | 1600 | 1050 | 950 |
| 64° | 1450 | 1000 | 850 |
| 61° | 1100 | 850 | 750 |
| 58° | 950 | 800 | 650 |
| 55° | 800 | 700 | 600 |
| 51° | 500 | 400 | 350 |
| Min.elevation angle | 51° | | |

Unit:Kg

Full-extend outriggers, over side and rear,with max. span up to 6m×7.2m,counterweight of 4.6t,360°rotation

| Main boom angle(°) | 43+9.2m jib | | |
|---------------------|-------------|------|------|
| | 0° | 15° | 30° |
| 78° | 4500 | 2700 | 2400 |
| 77° | 4300 | 2600 | 2350 |
| 75° | 3900 | 2500 | 2300 |
| 74° | 3750 | 2400 | 2250 |
| 73° | 3400 | 2300 | 2200 |
| 70° | 3000 | 2200 | 2050 |
| 67° | 2700 | 2100 | 1950 |
| 64° | 2200 | 1800 | 1750 |
| 61° | 1800 | 1500 | 1200 |
| 58° | 1300 | 1100 | 950 |
| 55° | 950 | 850 | 750 |
| 51° | 700 | 650 | 550 |
| Min.elevation angle | 51° | | |

Unit:Kg

Full-extend outriggers, over side and rear,with max. span up to 6m×7.2m,counterweight of 4.6t+3t,360°rotation

| Main boom angle(°) | 43.5+16m jib | | |
|---------------------|--------------|------|------|
| | 0° | 15° | 30° |
| 78° | 2600 | 1500 | 1100 |
| 77° | 2400 | 1400 | 1100 |
| 75° | 2250 | 1350 | 1100 |
| 74° | 2200 | 1300 | 1100 |
| 73° | 1950 | 1200 | 1100 |
| 70° | 1800 | 1150 | 1000 |
| 67° | 1600 | 1050 | 950 |
| 64° | 1450 | 1000 | 850 |
| 61° | 1100 | 900 | 750 |
| 58° | 1000 | 850 | 700 |
| 55° | 850 | 750 | 650 |
| 51° | 550 | 450 | 400 |
| Min.elevation angle | 51° | | |

Unit:Kg

Full-extend outriggers, over side and rear,with max. span up to 6m×7.2m,counterweight of 4.6t+3t,360°rotation

| Main boom angle(°) | 43+9.2m jib | | |
|---------------------|-------------|------|------|
| | 0° | 15° | 30° |
| 78° | 4500 | 2700 | 2400 |
| 77° | 4300 | 2600 | 2350 |
| 75° | 3900 | 2500 | 2300 |
| 74° | 3750 | 2400 | 2250 |
| 73° | 3400 | 2300 | 2200 |
| 70° | 3000 | 2200 | 2050 |
| 67° | 2700 | 2100 | 1950 |
| 64° | 2200 | 1800 | 1750 |
| 61° | 1900 | 1600 | 1200 |
| 58° | 1400 | 1200 | 1050 |
| 55° | 1000 | 900 | 800 |
| 51° | 750 | 700 | 600 |
| Min.elevation angle | 51° | | |

■ TRUCK CRANE



STC200
Maximum Load Capacity: 20t
Telescopic Boom: 4 Sections, 10.6-33m



STC250
Maximum Load Capacity: 25t
Telescopic Boom: 4 Sections, 10.65-33.5m



STC250H
Maximum Load Capacity: 25t
Telescopic Boom: 5 Sections, 10.5-39.5m



STC300S
Maximum Load Capacity: 30t
Telescopic Boom: 5 Sections, 10.6-40.5m



STC300TH
Maximum Load Capacity: 30t
Telescopic Boom: 4 Sections, 10.6-33.5m



STC300H
Maximum Load Capacity: 30t
Telescopic Boom: 5 Sections, 10.5-39.5m



STC500
Maximum Load Capacity: 50t
Telescopic Boom: 5 Sections, 11.5-43m



STC550
Maximum Load Capacity: 55t
Telescopic Boom: 5 Sections, 11.5-43m



STC600S
Maximum Load Capacity: 60t
Telescopic Boom: 5 Sections, 11.3-43.5m



STC750
Maximum Load Capacity: 75t
Telescopic Boom: 5 Sections, 11.8-45m



STC800S
Maximum Load Capacity: 80t
Telescopic Boom: 5 Sections, 12.2-47m



STC1000
Maximum Load Capacity: 100t
Telescopic Boom: 5 Sections, 13.5-52m



STC1000C
Maximum Load Capacity: 100t
Telescopic Boom: 6 Sections, 13.25-60m



STC1000S
Maximum Load Capacity: 100t
Telescopic Boom: 5 Sections, 12.25-56m



STC1200S
Maximum Load Capacity: 120t
Telescopic Boom: 7 Sections, 12.6-63.5m



STC1300C
Maximum Load Capacity: 130t
Telescopic Boom: 6 Sections, 13.3-69m



STC1600
Maximum Load Capacity: 160t
Telescopic Boom: 6 Sections, 13.4-69m



STC2200
Maximum Load Capacity: 220t
Telescopic Boom: 6 Sections, 14.25-69m

■ ALL TERRAIN CRANE



SAC1800
Maximum Load Capacity: 180t
Telescopic Boom: 6 Sections, 15.5-62m



SAC2200
Maximum Load Capacity: 220t
Telescopic Boom: 6 Sections, 13.5-69m



SAC2600
Maximum Load Capacity: 260t
Telescopic Boom: 6 Sections, 15.6-73m



SAC3000
Maximum Load Capacity: 300t
Telescopic Boom: 7 Sections, 15.4-83m



SAC3500
Maximum Load Capacity: 350t
Telescopic Boom: 6 Sections, 15.2-70m



SAC6000
Maximum Load Capacity: 600t
Telescopic Boom: 7 Sections, 17.1-90m

■ ROUGH-TERRAIN CRANE



SRC250
Maximum Load Capacity: 25t
Telescopic Boom: 4 Sections, 9.9-31.5m



SRC350
Maximum Load Capacity: 35t
Telescopic Boom: 4 Sections, 10-31.5m



SRC550
Maximum Load Capacity: 55t
Telescopic Boom: 4 Sections, 11.25-34.5m



SRC660H
Maximum Load Capacity: 55t
Telescopic Boom: 5 Sections, 11.5-43m



SRC750
Maximum Load Capacity: 75t
Telescopic Boom: 5 Sections, 11.8-45m



SRC1200
Maximum Load Capacity: 120t
Telescopic Boom: 5 Sections, 13-49m



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For our consistent improvement in technology, specifications may change without notice.
The machines illustrated may show optional equipment which can be supplied at additional cost.

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