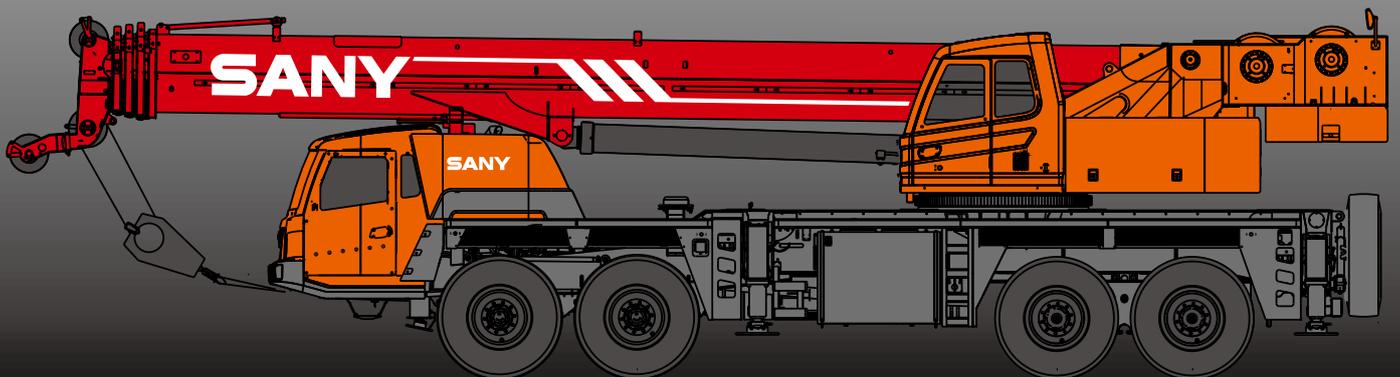


STC850

STC850 TRUCK CRANE
85 TONS LIFTING CAPACITY

Quality Changes the World



SANY

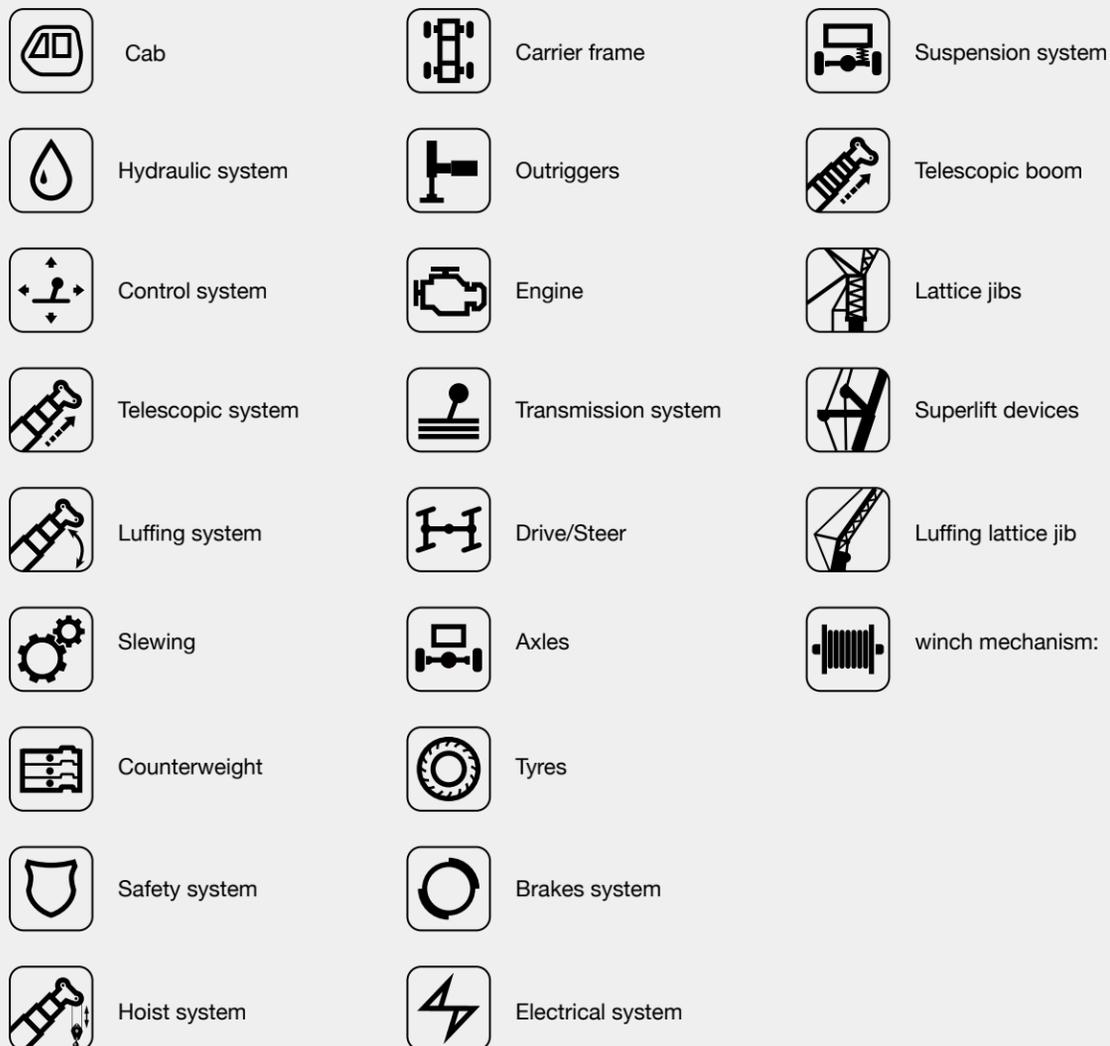
■ SANY Automobile Hoisting Machinery is one of the core business unit of Sany Heavy Industry, mainly engaged in the research and development of high end, mid to large tonnage crane series, including mobile crane, crawler crane, tower crane and loader crane. It has two industrial parks in Ningxiang and 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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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.
All-wheel steering: The third and fourth axles are auxiliary steering axle featuring small turning radius and better trafficability.
The pressure of outriggers could be displayed in control cab.
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 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 hydraulic system

Hydraulic system load feedback and constant power control is 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 designed 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 soft 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.
 - Electric-controlled main valve has flow compensation, load feedback control function, enabling stable and convenient control of single action and combined action under different operation conditions.
 - Winch adopts electric-controlled variable motor to ensure high operation efficiency. Max. single line speeds of main and auxiliary winches is up to 130m/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: 850L.

-  **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;
 - Automatic outrigger system: Electrically controlled outrigger with automatic leveling and fault diagnosis warning function is adopted, which is flexible and fast to operate.
 - With fully security protection system, main and auxiliary winches are equipped with over-roll out 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.
 - 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°~ 80°.

-  **Telescopic system**
- Five-section boom is applied with basic boom length of 12.2m, full-extended boom length of 47m, jib length of 17.5m and lifting height of fully extended boom length of 47.3m respectively. Max. lifting height is 64.7m including jib. It is made of fine grain high-strength steel with U-shaped cross section and with telescopic operation controlled independently by dual-cylinder rope.

-  **Slewing system**
- 360° rotation can be achieved with Max. slewing speed of 2.0r/min. Hydraulic 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**
- With highly efficient winch, larger gear ratio and stable operation are guaranteed.
 - Closed winch brake and winch balance valve effectively prevent imbalance of the hook.
 - With load sensitive function, the main valve winch is highly effective and energy-saving.
 - Two main hooks: 800kg and 320kg, the Max. lifting weight are 85t and 30t, one auxiliary hook: 140kg, Max lifting weight is 5t. Wire rope of main winch: non-rotation wire rope :20-1960-U-282-SS GB8918 L245m. Wire rope of auxiliary winch: non-rotation wire rope :20-1960-U-282-SS GB8918 L145m.

-  **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 ±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 2000kg. Two flexible counterweight (4500kg+4500kg) are optional.

Chassis

-  **Cab**
- Cab is made of new steel material and sealed rubber 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 and complete control instruments and meters, providing more comfortable, safe and humanized operation experience.

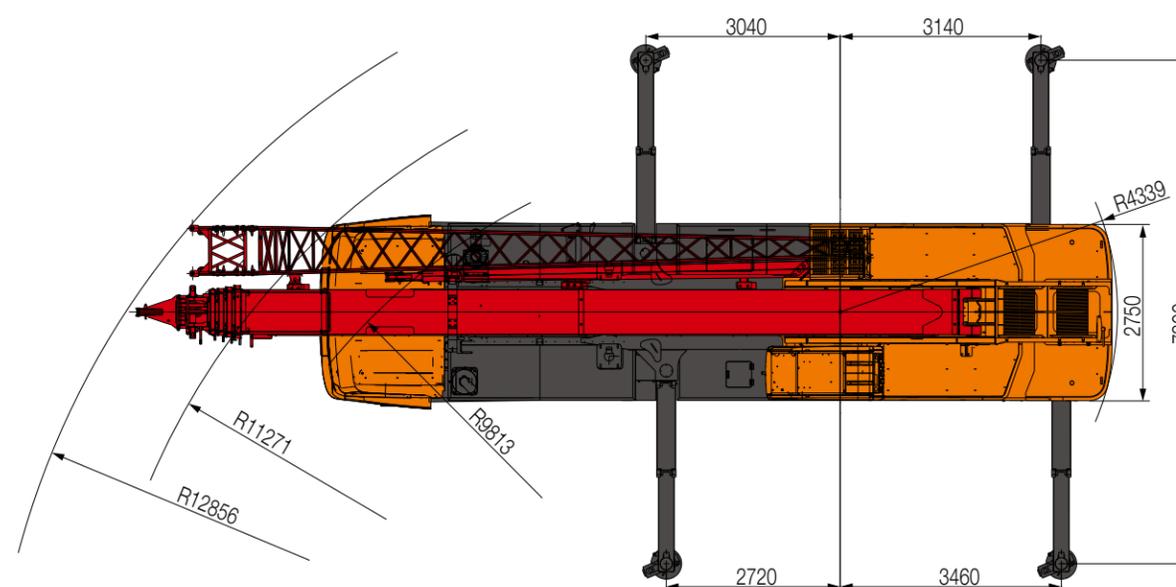
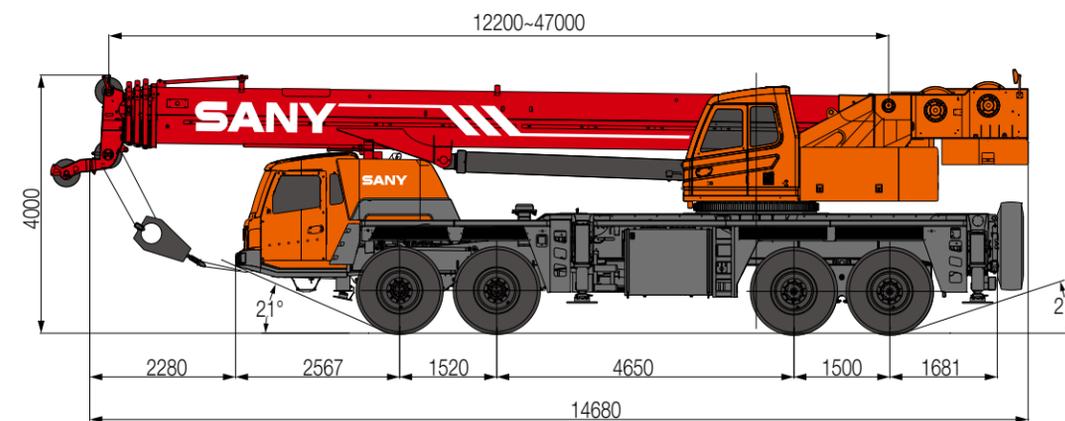
-  **Carrier frame**
- Designed and manufactured by SANY, the heavy box structure is higher and wider. Welded by high-strength steel plate, the rigidity is promoted by 20% comparing to trough-type structure.

-  **Axles**
- Axles 3 and 4 are driving & steering axles, axles 1 and 2 are steering axles, with axle and wheel differentials and wheel differential; 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: 275kw/2100r/min
 - Environment-protection: Emission complies with EuroIII standard
 - Capacity of fuel tank: 380L

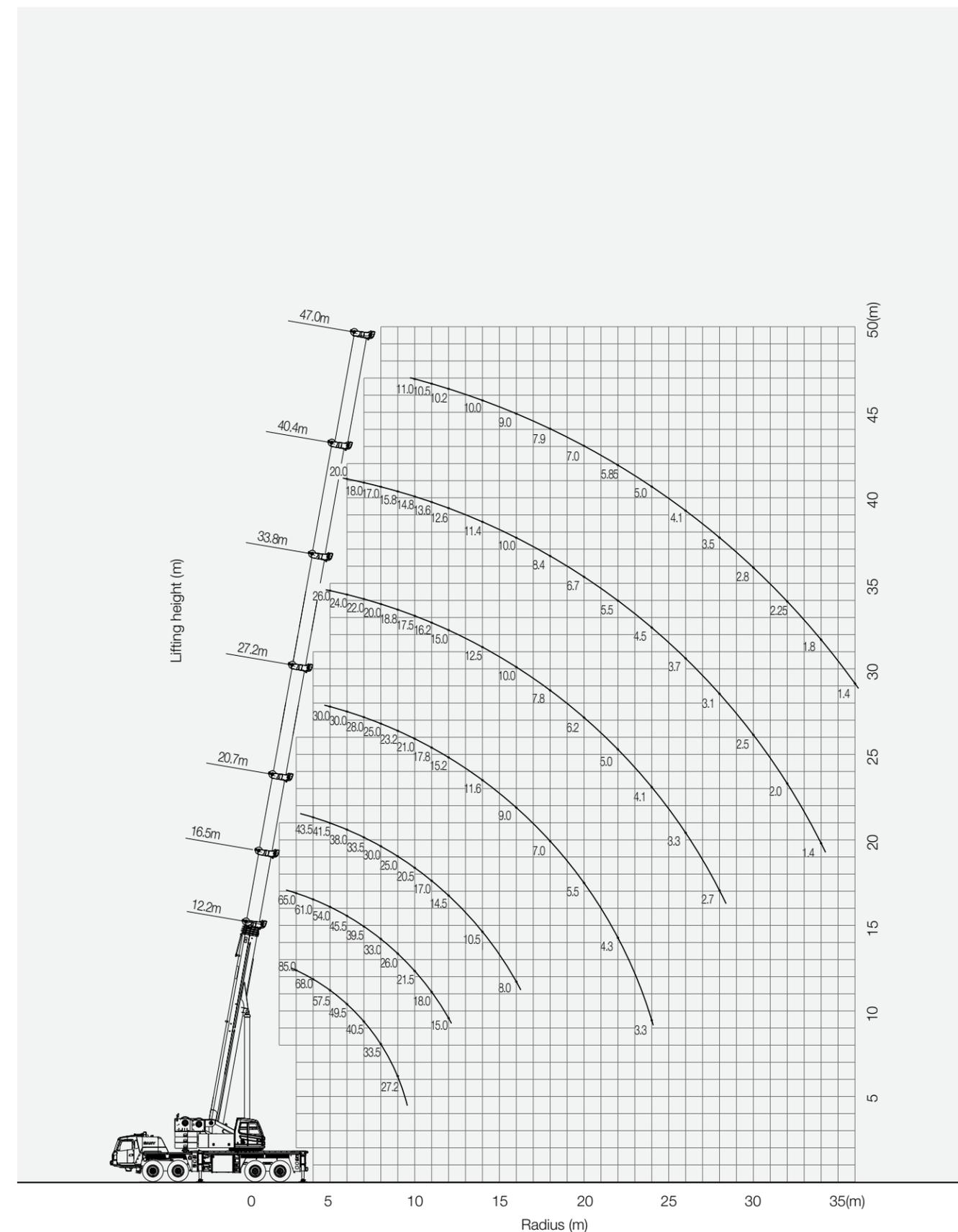
Chassis

- Transmission system**
- Gearbox: 10-gear manual gearbox with 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, disc brake are applied to axle 1 and 2 and drum brake are applied to axle 3 and 4. 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 axle 2,3,4.
 - For emergency brake valve, 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**
- All axles adopt the plate spring suspension systems with plate spring passed 100,000 fatigue tests and with optimization of performance parameters of the front and rear plate springs applied to ensure strength and also to provide comfort ridding.
- Steering system**
- Hydraulic power mechanical steering system is applied for axle 1,2, with unloading valve installed in the steering gear. Electronic & hydraulic auxiliary steering are applied to axle 3,4. All wheel steering ensures good trafficability.
- Outriggers**
- Four-point supporting of the H-shaped outriggers ensures easy operation and strong stability with Max. span up to 6.18m×7.8m. They are made of fine-grain high-strength steel sheet with horizontal single-cylinder rope line telescoping for first and second outriggers and with automatic horizontal adjustment applied for outriggers through a vertical cylinder.
- Tyres**
- (8+1)*385/95R25
- 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.



| Type | Item | Parameter | |
|---|--|---------------------------------|-------------|
| Capacity | Max. lifting capacity | 85 t | |
| Dimensions | Overall length | 14680 mm | |
| | Overall width | 2750 mm | |
| | Overall height | 4000 mm | |
| | Axle distance | Axle-1,2 | 1520 mm |
| Axle-2,3 | | 4650 mm | |
| Axle-3,4 | | 1500 mm | |
| Weight | Overall weight | 46570 kg | |
| | Axle load | Axle load-1,2 | 21600 kg |
| | | Axle load-3,4 | 24970 kg |
| | Rated power | 275 kW/ 2100 rpm | |
| Rated torque | 1550 N.m/ (1100~1400) rpm | | |
| Traveling | Max.traveling speed | 80 km/h | |
| | Turning radius | Min.turning radius | 10 m |
| | | Min.turning radius of boom head | 12.9 m |
| | Wheel formula | 8 × 4 | |
| | Min.ground clearance | 300 mm | |
| | approach angle | 21 ° | |
| | Departure angle | 21 ° | |
| | Max.gradeability | 38% | |
| Fuel consumption per 100km | ≤ 50 L | | |
| Main Performance Data | Temperature range | - 30 °~ + 60 ° | |
| | Min.rated range | 3 m | |
| | Tail slewing radius of swingtable | 4.339 m | |
| | Boom section | 5 | |
| | Boom shape | U-shaped | |
| | Max.lifting moment | Base boom | 2910.6 kN·m |
| | | Full-extend boom | 1411.2 kN·m |
| | | Full-extend boom+jib | 683 kN·m |
| | Boom length | Base boom | 12.2 m |
| | | Full-extend boom | 47.0 m |
| Full-extend boom+jib | | 64.5 m | |
| Outrigger span (Longitudinal×Transversal) | 6.18 × 7.8 m | | |
| Jib offset | 0 °, 15 °, 30 ° | | |
| Working speed | Max.single rope lifting speed of main winch (no load) | 130 m/min | |
| | Max.single rope lifting speed of auxiliary winch (no load) | 130 m/min | |
| | Full extension/retraction time of boom | 150 / 150 s | |
| | Full lifting/descending time of boom | 70 / 90 s | |
| | Slewing speed | 2.0 r/min | |
| Aircondition | Aircondition in up cab | Cold and Heating | |
| | Aircondition in low cab | Cold and Heating | |

STC850 Working Ranges



Unit:Kg

| Working Range (m) | 2T fixed counterweight, fully extended outriggers, 360°operation | | | | | | | Working Range (m) |
|--------------------------|--|-------|-------|-------|-------|-------|-------|-------------------|
| | 12.2 | 16.5 | 20.7 | 27.2 | 33.8 | 40.4 | 47 | |
| 3 | 85000 | 62000 | | | | | | 3 |
| 3.5 | 75000 | 58000 | 44000 | | | | | 3.5 |
| 4 | 67000 | 56000 | 43500 | | | | | 4 |
| 4.5 | 62000 | 54000 | 42500 | | | | | 4.5 |
| 5 | 54000 | 49000 | 41000 | 30000 | 26000 | | | 5 |
| 5.5 | 48000 | 46000 | 39000 | 30000 | 25000 | | | 5.5 |
| 6 | 45000 | 42500 | 37000 | 30000 | 24000 | 20000 | | 6 |
| 6.5 | 38000 | 35500 | 33200 | 28800 | 23000 | 19000 | | 6.5 |
| 7 | 33000 | 30000 | 29500 | 27500 | 22000 | 18000 | | 7 |
| 7.5 | 28500 | 26000 | 25500 | 26000 | 21000 | 17500 | | 7.5 |
| 8 | 25000 | 22500 | 22000 | 22500 | 20000 | 17000 | | 8 |
| 9 | 19500 | 18000 | 17200 | 18500 | 18600 | 15500 | | 9 |
| 10 | | 14000 | 13800 | 14800 | 15500 | 14500 | 11000 | 10 |
| 11 | | 11500 | 11200 | 12200 | 13000 | 13100 | 10500 | 11 |
| 12 | | 9500 | 9100 | 10100 | 11000 | 11500 | 10200 | 12 |
| 14 | | | 6200 | 7200 | 8050 | 9200 | 9700 | 14 |
| 16 | | | 4200 | 5200 | 6000 | 6800 | 7600 | 16 |
| 18 | | | | 3800 | 4550 | 5100 | 5800 | 18 |
| 20 | | | | 2700 | 3400 | 4000 | 4700 | 20 |
| 22 | | | | 1800 | 2400 | 3150 | 3650 | 22 |
| 24 | | | | | 1800 | 2350 | 3000 | 24 |
| 26 | | | | | 1200 | 1750 | 2100 | 26 |
| 28 | | | | | | 1050 | 1650 | 28 |
| 30 | | | | | | 750 | 1050 | 30 |
| 32 | | | | | | | 500 | 32 |
| 34 | | | | | | | | 34 |
| Number of lines | 12 | 10 | 8 | 6 | 5 | 4 | 3 | Number of lines |
| Telescoping condition(%) | | | | | | | | |
| I | 0% | 50% | 100% | 100% | 100% | 100% | 100% | I |
| II | 0% | 0% | 0% | 25% | 50% | 75% | 100% | II |

Unit:Kg

| Working Range (m) | 2T fixed counterweight+4.5 flexible counterweight, fully extended outriggers, over side and rear operation | | | | | | | Working Range (m) |
|--------------------------|--|-------|-------|-------|-------|-------|-------|-------------------|
| | 12.2 | 16.5 | 20.7 | 27.2 | 33.8 | 40.4 | 47 | |
| 3 | 85000 | 64000 | | | | | | 3 |
| 3.5 | 75000 | 61000 | | | | | | 3.5 |
| 4 | 68000 | 59000 | 43500 | | | | | 4 |
| 4.5 | 64000 | 57000 | 42500 | | | | | 4.5 |
| 5 | 57000 | 52000 | 41000 | 30000 | 26000 | | | 5 |
| 5.5 | 52000 | 49000 | 40000 | 30000 | 25000 | | | 5.5 |
| 6 | 48000 | 44000 | 38000 | 30000 | 24000 | 20000 | | 6 |
| 6.5 | 43000 | 40000 | 34500 | 29000 | 23000 | 19000 | | 6.5 |
| 7 | 38000 | 36000 | 33500 | 28000 | 22000 | 18000 | | 7 |
| 7.5 | 33500 | 31000 | 30500 | 26000 | 21000 | 17500 | | 7.5 |
| 8 | 29000 | 27500 | 26500 | 25000 | 20000 | 17000 | | 8 |
| 9 | 23000 | 22000 | 21000 | 22000 | 18800 | 15500 | | 9 |
| 10 | | 17500 | 17000 | 18000 | 17500 | 14500 | 11000 | 10 |
| 11 | | 15000 | 14300 | 15000 | 16000 | 13500 | 10500 | 11 |
| 12 | | 12500 | 11800 | 12500 | 14000 | 12500 | 10200 | 12 |
| 14 | | | 8700 | 9300 | 10800 | 11000 | 10000 | 14 |
| 16 | | | 6300 | 7100 | 8100 | 9000 | 8650 | 16 |
| 18 | | | | 5400 | 6400 | 6900 | 7100 | 18 |
| 20 | | | | 4200 | 4900 | 5500 | 5750 | 20 |
| 22 | | | | 3200 | 3800 | 4400 | 4650 | 22 |
| 24 | | | | | 3000 | 3300 | 3950 | 24 |
| 26 | | | | | 2300 | 2700 | 3150 | 26 |
| 28 | | | | | | 2150 | 2600 | 28 |
| 30 | | | | | | 1650 | 1900 | 30 |
| 32 | | | | | | | 1550 | 32 |
| 34 | | | | | | | 1200 | 34 |
| 36 | | | | | | | 800 | 36 |
| Number of lines | 12 | 10 | 8 | 6 | 5 | 4 | 3 | Number of lines |
| Telescoping condition(%) | | | | | | | | |
| I | 0% | 50% | 100% | 100% | 100% | 100% | 100% | I |
| II | 0% | 0% | 0% | 25% | 50% | 75% | 100% | II |

Unit:Kg

| Working Range (m) | 2T fixed counterweight+4.5T flexible counterweight+4.5T counterweight, fully extended outriggers, 360°operation | | | | | | | Working Range (m) |
|--------------------------|---|-------|-------|-------|-------|-------|-------|-------------------|
| | 12.2 | 16.5 | 20.7 | 27.2 | 33.8 | 40.4 | 47 | |
| 3 | 85000 | 65000 | | | | | | 3 |
| 3.5 | 75000 | 63000 | | | | | | 3.5 |
| 4 | 68000 | 61000 | 43500 | | | | | 4 |
| 4.5 | 64500 | 60000 | 42500 | | | | | 4.5 |
| 5 | 57500 | 54000 | 41500 | 30000 | 26000 | | | 5 |
| 5.5 | 53500 | 50000 | 40000 | 30000 | 25000 | | | 5.5 |
| 6 | 49500 | 45500 | 38000 | 30000 | 24000 | 20000 | | 6 |
| 6.5 | 45000 | 42500 | 35800 | 29000 | 23000 | 19000 | | 6.5 |
| 7 | 40500 | 39500 | 33500 | 28000 | 22000 | 18000 | | 7 |
| 7.5 | 36500 | 36000 | 32000 | 26500 | 21000 | 17500 | | 7.5 |
| 8 | 33500 | 33000 | 30000 | 25000 | 20000 | 17000 | | 8 |
| 9 | 27500 | 26000 | 25000 | 23200 | 18800 | 15800 | | 9 |
| 10 | | 21500 | 20500 | 21000 | 17500 | 14800 | 11000 | 10 |
| 11 | | 18000 | 17000 | 17800 | 16200 | 13600 | 10500 | 11 |
| 12 | | 15000 | 14500 | 15200 | 15000 | 12600 | 10200 | 12 |
| 14 | | | 10500 | 11600 | 12500 | 11400 | 10000 | 14 |
| 16 | | | 8000 | 9000 | 10000 | 10000 | 9000 | 16 |
| 18 | | | | 7000 | 7800 | 8400 | 7900 | 18 |
| 20 | | | | 5500 | 6200 | 6700 | 7000 | 20 |
| 22 | | | | 4300 | 5000 | 5500 | 5850 | 22 |
| 24 | | | | 3300 | 4100 | 4500 | 5000 | 24 |
| 26 | | | | | 3300 | 3700 | 4100 | 26 |
| 28 | | | | | 2700 | 3100 | 3500 | 28 |
| 30 | | | | | | 2500 | 2800 | 30 |
| 32 | | | | | | 2000 | 2250 | 32 |
| 34 | | | | | | 1400 | 1800 | 34 |
| 36 | | | | | | | 1400 | 36 |
| Number of lines | 12 | 10 | 8 | 6 | 5 | 4 | 3 | Number of lines |
| Telescoping condition(%) | | | | | | | | |
| I | 0% | 50% | 100% | 100% | 100% | 100% | 100% | I |
| II | 0% | 0% | 0% | 25% | 50% | 75% | 100% | II |

Unit:Kg

| 2t fixed counterweight | | | | | | |
|------------------------|---|------|------|---------|------|------|
| Angle of elevation(°) | Fully extended boom(m)+jib(m) | | | | | |
| | Over side and front operation, 2t fixed counterweight | | | | | |
| | 47+10.2 | | | 47+17.5 | | |
| | 0° | 15° | 30° | 0° | 15° | 30° |
| 80 | 5500 | 3800 | 3300 | 3300 | 2000 | 1430 |
| 78 | 5170 | 3750 | 3135 | 2970 | 1900 | 1320 |
| 76 | 4840 | 3650 | 2860 | 2640 | 1800 | 1265 |
| 74 | 4180 | 3500 | 2695 | 2310 | 1700 | 1210 |
| 72 | 3608 | 3300 | 2530 | 2035 | 1600 | 1155 |
| 70 | 3850 | 3100 | 2420 | 1870 | 1500 | 1100 |
| 68 | 3520 | 2900 | 2310 | 1760 | 1400 | 1067 |
| 66 | 3000 | 2600 | 2200 | 1650 | 1300 | 1000 |
| 64 | 2500 | 2300 | 2100 | 1540 | 1200 | 900 |
| 62 | 2000 | 1850 | 1700 | 1400 | 1150 | 880 |
| 60 | 1600 | 1500 | 1400 | 1250 | 1050 | 850 |
| 58 | 1300 | 1200 | 1100 | 1000 | 900 | 800 |
| 56 | 900 | | | | | |
| Hook (t) | 5t | | | | | |

Unit:Kg

| 6.5t counterweight | | | | | | |
|-----------------------|---|------|------|---------|------|------|
| Angle of elevation(°) | Fully extended boom(m)+jib(m) | | | | | |
| | Outriggers extended, over side and rear operation, 2t fixed counterweight+4.5t flexible counterweight | | | | | |
| | 47+10.2 | | | 47+17.5 | | |
| | 0° | 15° | 30° | 0° | 15° | 30° |
| 80 | 5500 | 3700 | 3200 | 3300 | 1900 | 1300 |
| 78 | 5000 | 3600 | 3100 | 2900 | 1800 | 1250 |
| 76 | 4700 | 3500 | 2750 | 2600 | 1700 | 1200 |
| 74 | 4300 | 3400 | 2600 | 2300 | 1600 | 1150 |
| 72 | 4000 | 3200 | 2400 | 2000 | 1500 | 1100 |
| 70 | 3600 | 3000 | 2300 | 1800 | 1400 | 1050 |
| 68 | 3300 | 2700 | 2200 | 1700 | 1300 | 1000 |
| 66 | 3000 | 2500 | 2100 | 1600 | 1200 | 950 |
| 64 | 2400 | 2200 | 2000 | 1400 | 1100 | 900 |
| 62 | 2000 | 1950 | 1900 | 1300 | 1050 | 850 |
| 60 | 1700 | 1600 | 1500 | 1150 | 900 | 800 |
| 58 | 1400 | 1350 | 1300 | 1500 | 850 | 750 |
| 56 | 1250 | 1200 | 1150 | 900 | 800 | 700 |
| 54 | 1000 | 950 | 900 | 700 | | |
| 52 | 800 | | | | | |
| Hook (t) | 5t | | | | | |

Unit:Kg

| 11t counterweight | | | | | | |
|-----------------------|--|------|------|---------|------|------|
| Angle of elevation(°) | Fully extended boom(m)+jib(m) | | | | | |
| | Outriggers extended, over side and rear operation, 2t fixed counterweight+4.5t flexible counterweight+4.5t flexible counterweight | | | | | |
| | 47+10.2 | | | 47+17.5 | | |
| | 0° | 15° | 30° | 0° | 15° | 30° |
| 80 | 5500 | 3700 | 3200 | 3300 | 1900 | 1300 |
| 78 | 5000 | 3600 | 3100 | 2900 | 1800 | 1250 |
| 76 | 4700 | 3500 | 2800 | 2600 | 1700 | 1200 |
| 74 | 4300 | 3400 | 2650 | 2300 | 1600 | 1150 |
| 72 | 4000 | 3200 | 2450 | 2000 | 1500 | 1100 |
| 70 | 3600 | 3000 | 2300 | 1800 | 1400 | 1050 |
| 68 | 3300 | 2700 | 2200 | 1700 | 1300 | 1000 |
| 66 | 3000 | 2500 | 2100 | 1600 | 1200 | 1000 |
| 64 | 2500 | 2250 | 2000 | 1450 | 1100 | 950 |
| 62 | 2100 | 2000 | 1900 | 1350 | 1050 | 900 |
| 60 | 1900 | 1750 | 1600 | 1250 | 950 | 850 |
| 58 | 1600 | 1500 | 1400 | 1150 | 900 | 800 |
| 56 | 1500 | 1350 | 1200 | 1050 | 850 | 750 |
| 54 | 1100 | 1000 | 950 | 850 | | |
| 52 | 900 | | | | | |
| Hook (t) | 5t | | | | | |

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. Rated load values determined by stability shall comply with ISO 4305.
4. Rated lifting capacity listed in the table included weights of lifting hooks (800kg of main hook 1, 320kg of hook 2 and 140kg of auxiliary hook) and hangers.
5. The value listed in the table are applied to 360° working range if no.5 outrigger is fully extended.
6. Rated lifting capacity with pulley at boom tip shall not exceed 5000kg and then subtracts(2300kg)to gain rated lifting capacity if the boom is used to lift after the installation of jib.
7. If actual boom length and range are between two values specified in the table, larger value will determine the lifting capacity.

STC850 TRUCK CRANE WHEEL CRANE FAMILY MAP

TRUCK CRANE

| | | | | |
|--|--|--|---|---|
|  STC200 Maximum Load Capacity: 20t Telescopic Boom: 4 Sections, 10.6-33m |  STC250 Maximum Load Capacity: 25t Telescopic Boom: 4 Sections, 10.6-33.5m |  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, 10.5-39.2m |  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, 11.8-49m |
|  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: 5 Sections, 13.3-69m |  STC1600 Maximum Load Capacity: 160t Telescopic Boom: 5 Sections, 13.4-62m |  STC2200 Maximum Load Capacity: 220t Telescopic Boom: 6 Sections, 14.55-68m | | |

ALL TERRAIN CRANE

| | | | |
|---|--|---|---|
|  SAC1800 Maximum Load Capacity: 180t Telescopic Boom: 6 Sections, 15.5-62m |  SAC2200 Maximum Load Capacity: 220t Telescopic Boom: 6 Sections, 15.5-62m |  SAC2600 Maximum Load Capacity: 260t Telescopic Boom: 6 Sections, 15.65-73m |  SAC3000 Maximum Load Capacity: 300t Telescopic Boom: 7 Sections, 15.4-80m |
|  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

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|--|--|---|--|--|
|  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 |  SRC660 Maximum Load Capacity: 66t Telescopic Boom: 4 Sections, 11.25-34.5m |  SRC550H 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, 13-48m | | | | |



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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.

Version: 2015.08

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