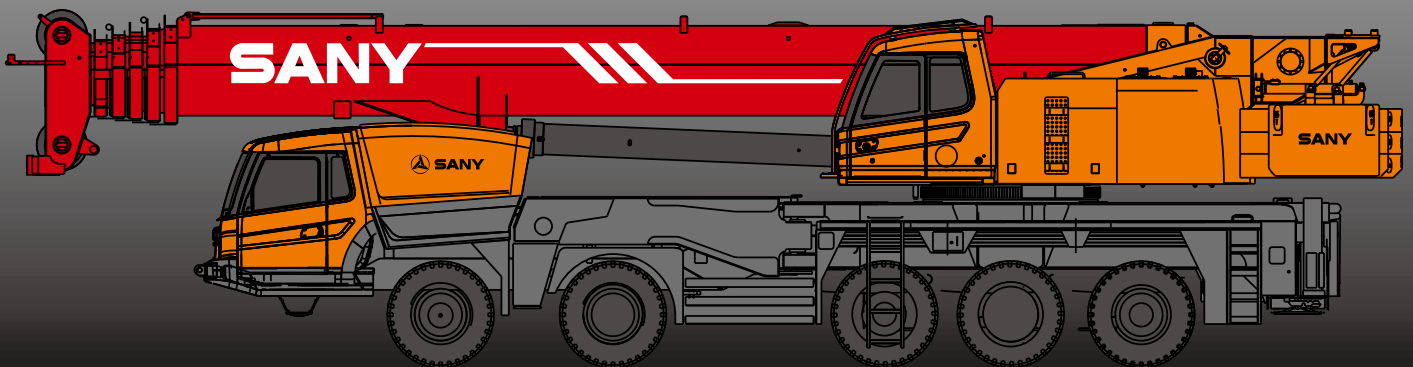


# STC1300C

STC1300C TRUCK CRANE  
130 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



### **Creative counterweight pushing technology**

With full-counterweight weight of 40T, when counterweight is pushed backwards for 860mm, stability of the boom can be improved by up to 25%, thus improving lifting capacity and stability.



### **Highly efficient and innovative chassis performance / chassis system**

The use of innovative 5-axle chassis design and multi braking modes provide more reliable traveling performance for chassis. With topping over early-warning technology, high stable overall operation and high safety can be achieved.



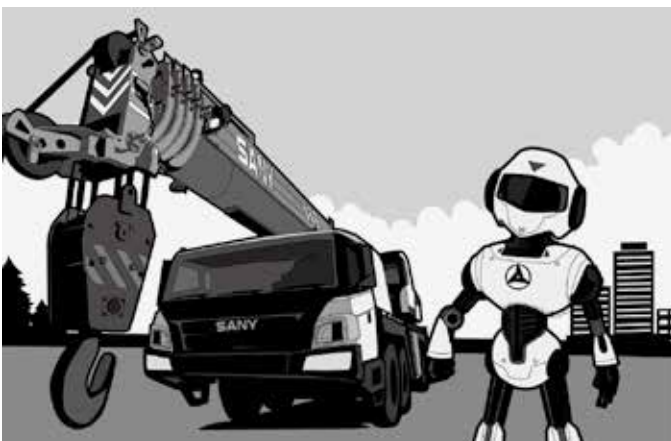
### **Safe and stable lifting performance / boom system**

Six-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, energy-saving and unique hydraulic control technology**

Self-developed dual-pump converging / diversion main valve is used. Converging flow of the single-action dual-pump ensures fast operation and high work efficiency, combined-action dual-pump diversion system is applied to ensure stable controllability, electric proportional variable displacement piston pump is used to ensure high-accurate flow control and higher efficiency and energy saving.



### **Safe, stable, advanced and intelligent electronic control technology / electronic control system**

Self-developed controller SYMC, specially made for engineering machinery is adopted. 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**

- The self-made cab adopts ergonomic design with sliding door, safety glass, anti-corrosion steel, soft interior decoration, large interior space, panoramic sunroof and adjustable seats, air conditioner and electric window wiper etc., providing easier and more comfortable operation. Load moment limiter display is configured to achieve the combination of main console and operating display system, making all operating condition data of lifting operation clear at a glance.

**Hydraulic system**

- Through the adoption of electric proportional variable displacement piston pump, pump displacement can be adjusted in real-time, achieving high-precision flow control with no energy loss during operation.
- Self-developed dual-pump converging / diversion main valve is used enabling stable and convenient control of single action and combined action under different operation conditions.
- Main winch adopts electric proportional variable motor to ensure high operation efficiency. Max. single line speeds of main winch is up to 135m/min, and the auxiliary winch is 123m/min.
- Closed slewing system with free slipping function is equipped to ensure more stable starting and control of the slewing operation as well as excellent micro-mobility.

**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 flexible to operate.
- 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.
- 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**

- The use of dead-weight luffing system with compensation control of the system ensures good luffing speed controllability, micro-mobility and excellent stability.
- Luffing angle : -2°~ 82°.

**Telescopic system**

- With single-cylinder pin technology, inserting and pulling actions of the cylinder pin and boom pin can be achieved through electrohydraulic control system.
- Telescopic action of the lifting boom can be applied with a single telescopic cylinder. The use of multi-stage pressure control, multiple telescopic balance valve element and mechanical hydraulic double-interlock mechanism of the cylinder pin and boom pin ensure safe and reliable operation of the telescopic system.
- Six-section boom is applied with basic boom length of 13.30m, full-extended boom length of 60m, jib length of 18.1m and fully extended boom lifting height of 60m respectively. Max. lifting height is 78.1m including jib. It is made of fine grain high-strength steel with U-shaped cross section .

**Slewing system**

- With 360° rotation and with Max slewing speed of 1.6r/min applied. The use of electric proportional closed double slewing system ensures perfect operation and stable slewing.

## 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 be lifted and lowered smoothly. Closed winch brake and winch balance valve effectively prevent imbalance of the hook.
- Wire rope of main winch: right-handed wire rope 35W×7-Φ22-2160UZZ 280m. Wire rope of auxiliary winch: right-handed wire rope 35W×7-Φ22-2160UZZ 190m.



### Safety system

- Load moment limiter: Load detection is achieved through the establishment of accurate and concise load model, which significantly increases the overall system precision of load moment limiter. Online empty load marking effectively prevent inaccurate lifting caused by discrepancy in boom structure specification, increasing system accuracy to ±5%.
- Hydraulic system is configured with the balance valve, overflow valve and two-way hydraulic lock etc. components, thus achieving the 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 to detect whether the high-altitude wind speed is within the allowable range.
- 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.



### Counterweight

- 40t movable counterweight can be moved backward 860mm.
- There are five counterweight combinations, 0t, 12t, 20t, 27t, 40t, which is easy to install.
- Rotary radius is 4744 mm, and 5604 mm after translation movement.

## 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's seat, adjustable steering wheel, large rearview mirror, comfortable driver's 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, anti-torsion box structure is welded by fine-grain high-strength steel plate to provide lighter weight and strong load bearing capacity. With bending strength increased by 46.8% and with torsional strength increased by 68% compared with original concave structure.



### Axles

- Axles 3,4 and 5 are drive axles and axles 1,2 and 5 are steering axles, axle and wheel differentials are installed in axle 3,4, and wheel differential is installed in axle 5. The use of welding process for axle housing provides stronger load bearing capacity.

## Chassis

**Engine**

- Type: V-type eight-cylinder, water cooled, supercharged and inter-cooling diesel engine
- Rated power: 350kw/1800r/min
- Environment-protection: Emission complies with EuroIII standard
- Capacity of fuel tank: 450L

**Transmission system**

- Gearbox: Manual / Automatic gearbox is adopted with 12 forward gears, 2 backward gears 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**

- 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 and are equipped with drum brakes.
- Parking brake: Force driven by accumulator is applied on the third to fifth axle.
- For emergency brake, accumulator is used not only for cutting-off brake but also for emergency brake.
- Auxiliary brake consists of engine brake and exhaust brake. Engine is equipped with dual brake with brake safety ensured while travelling.

**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 riding.

**Steering system**

- Single-circuit hydraulic power steering system equipped with mechanical steering limit is used, with emergency steering device driven by emergency pump applied.

**Outriggers**

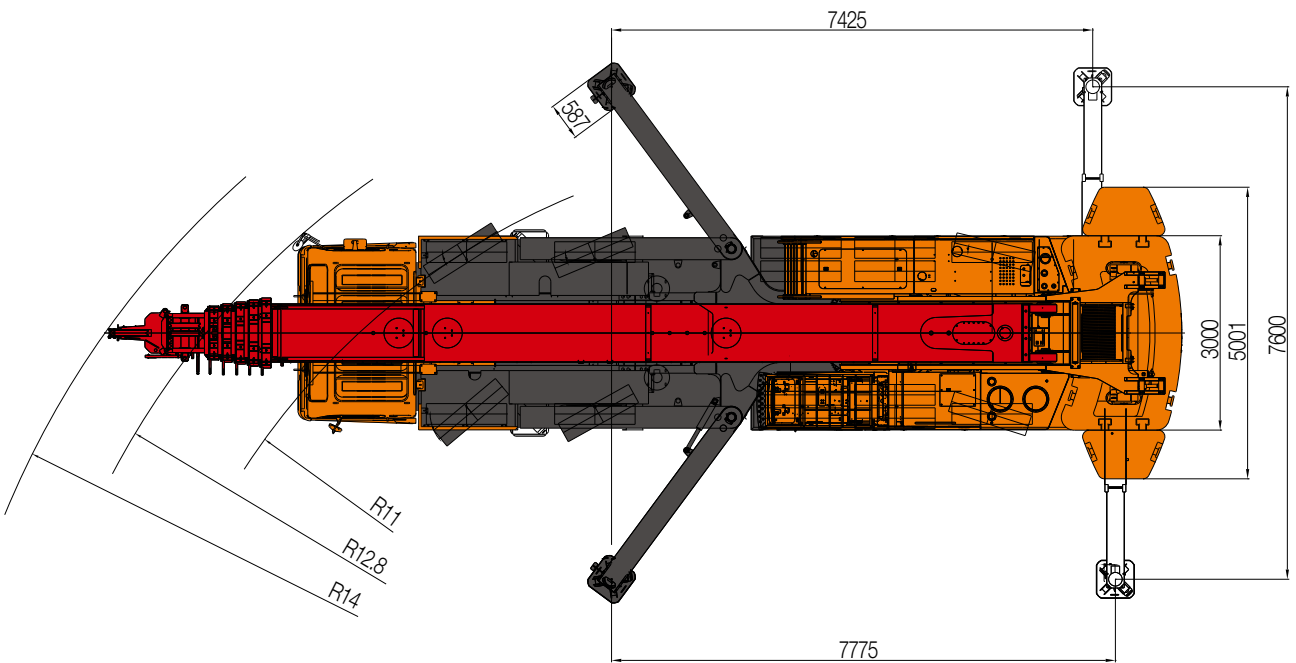
- Made of fine-grain high-strength steel sheet, outriggers can be controlled through control panel with automatic leveling function. Front swing outriggers and rear telescopic outriggers are arranged. Four-point supporting ensures easy operation and strong stability with Max. span up to 7.6m×7.6m.

**Tyres**

- 14\*12.00R24 20PR

**Electrical system**

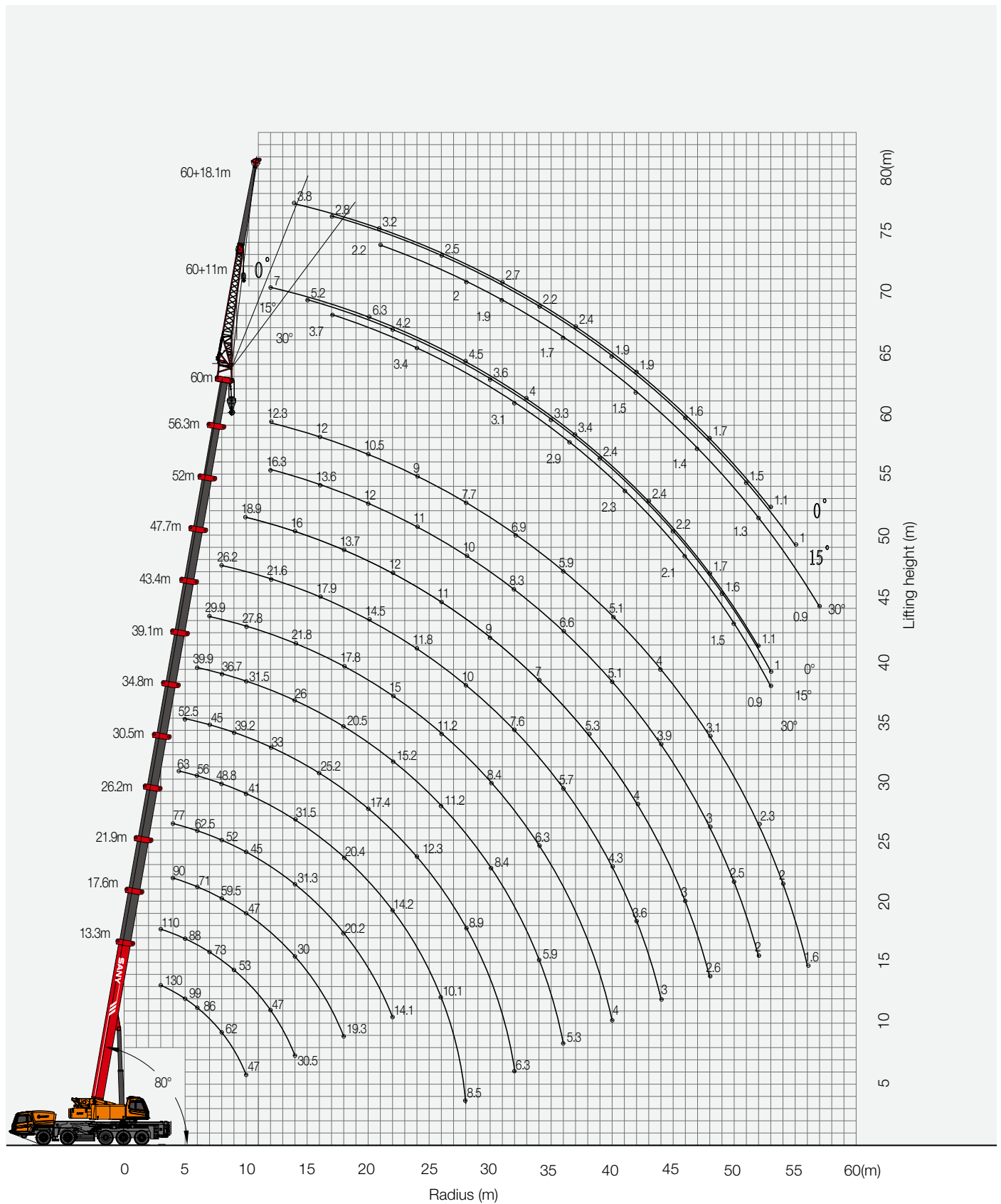
- With 2\*12V maintenance-free batteries, the crane power can be cut off manually via a mechanical master power switch. The use of CAN-bus control system can achieve information interaction between superstructure and undercarriage.



**STC1300C TRUCK CRANE**  
**TECHNICAL PARAMETER**

| Type                                      | Item                                                       |                                 | Parameter            |
|-------------------------------------------|------------------------------------------------------------|---------------------------------|----------------------|
| Capacity                                  | Max. lifting capacity                                      |                                 | 130t                 |
| Dimensions                                | Overall length                                             |                                 | 15485 mm             |
|                                           | Overall width                                              |                                 | 3000 mm              |
|                                           | Overall height                                             |                                 | 4000 mm              |
|                                           | Axle distance                                              | Axle-1,2                        | 1980 mm              |
|                                           |                                                            | Axle-2,3                        | 3120 mm              |
| Axle-3,4                                  |                                                            | 1450 mm                         |                      |
| Axle-4,5                                  |                                                            | 1500 mm                         |                      |
| Weight                                    | Overall weight                                             |                                 | 54950 kg             |
|                                           | Axle load                                                  | Axle load-1,2                   | 9475/9475 kg         |
|                                           |                                                            | Axle load-3,4                   | 13000/13000/10000 kg |
| Engine                                    | Rated power                                                |                                 | 350 kW/180 rpm       |
|                                           | Rated torque                                               |                                 | 2300 N.m/1080 rpm    |
| Traveling                                 | Max.traveling speed                                        |                                 | 85 km/h              |
|                                           | Turning radius                                             | Min.turning radius              | 11 m                 |
|                                           |                                                            | Min.turning radius of boom head | 14 m                 |
|                                           | Wheel formula                                              |                                 | 10×6 ×6              |
|                                           | Min.ground clearance                                       |                                 | 310 mm               |
|                                           | Approach angle                                             |                                 | 21 °                 |
|                                           | Departure angle                                            |                                 | 18 °                 |
|                                           | Max.gradeability                                           |                                 | 40%                  |
|                                           | Fuel consumption per 100km                                 |                                 | ≤ 80 L               |
| Main Performance Data                     | Temperature range                                          |                                 | － 20 °C ~+ 40 °C     |
|                                           | Min.rated range                                            |                                 | 3 m                  |
|                                           | Tail slewing radius of swingtable                          |                                 | 4.74m                |
|                                           | Boom section                                               |                                 | 6                    |
|                                           | Boom shape                                                 |                                 | U-shaped             |
|                                           | Max.lifting moment                                         | Base boom                       | 5160 kN·m            |
|                                           |                                                            | Full-extend boom                | 2156 kN·m            |
|                                           |                                                            | Full-extend boom+jib            | 1320kN·m             |
|                                           | Boom length                                                | Base boom                       | 13.3 m               |
|                                           |                                                            | Full-extend boom                | 60 m                 |
|                                           |                                                            | Full-extend boom+jib            | 78.1 m               |
| Outrigger span (Longitudinal×Transversal) |                                                            | 7.6 × 7.6 m                     |                      |
| Jib offset                                |                                                            | 0 °, 15 °, 30 °                 |                      |
| Working speed                             | Max.single rope lifting speed of main winch (no load)      |                                 | 135 m/min            |
|                                           | Max.single rope lifting speed of auxiliary winch (no load) |                                 | 123 m/min            |
|                                           | Full extension/retraction time of boom                     |                                 | 480 / 500 s          |
|                                           | Full lifting/descending time of boom                       |                                 | 60 / 110 s           |
|                                           | Slewing speed                                              |                                 | 1.6 r/min            |
| Air condition                             | Superstructure                                             |                                 | Cooling/Heating      |
|                                           | Chassis                                                    |                                 | Cooling/Heating      |

## STC1300C Working Ranges



# STC1300C TRUCK CRANE

## OPERATION CONDITION

### Prerequisites:

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ Side and rear are applied
- ④ Counterweight is 0T

| Radius ( m )    | Main boom (m) |       |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 13.3          | 17.6  | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26   | 26   | 26   | 30.5 | 30.5 | 30.5 | 34.8 |                 |
| 3.0             | 125.0         | 110.0 | 91.0 | 68.0 |      |      |      |      |      |      |      |      |      |      | 3               |
| 3.5             | 125.0         | 103.0 | 88.0 | 66.0 |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             | 116.0         | 99.0  | 85.0 | 65.0 | 90.0 | 68.0 | 49.0 | 77.0 | 57.5 | 46.0 |      |      |      |      | 4               |
| 4.5             | 108.0         | 93.0  | 82.0 | 63.0 | 88.0 | 65.0 | 47.0 | 73.0 | 55.0 | 44.0 | 63.0 | 57.7 | 45.0 |      | 4.5             |
| 5.0             | 99.0          | 88.0  | 76.0 | 61.0 | 78.0 | 63.0 | 45.0 | 69.0 | 52.5 | 42.0 | 57.7 | 52.5 | 43.0 | 52.5 | 5.0             |
| 6.0             | 63.2          | 64.1  | 65.6 | 55.5 | 63.4 | 57.5 | 40.0 | 62.5 | 48.0 | 39.5 | 56.0 | 49.2 | 40.3 | 47.2 | 6.0             |
| 7.0             | 43.5          | 44.4  | 45.7 | 46.5 | 43.8 | 46.0 | 37.0 | 45.3 | 43.0 | 37.0 | 45.6 | 46.8 | 36.7 | 45.0 | 7.0             |
| 8.0             | 31.9          | 33.1  | 34.2 | 35.0 | 32.6 | 34.5 | 34.0 | 33.9 | 34.8 | 34.0 | 34.2 | 35.2 | 33.6 | 34.7 | 8.0             |
| 9.0             | 24.2          | 25.5  | 26.7 | 27.4 | 25.1 | 27.0 | 29.5 | 26.4 | 27.3 | 30.0 | 26.7 | 27.7 | 29.8 | 27.2 | 9.0             |
| 10.0            | 18.9          | 20.0  | 21.1 | 21.5 | 19.6 | 21.4 | 23.9 | 20.8 | 21.6 | 24.4 | 21.0 | 22.0 | 23.8 | 21.5 | 10.0            |
| 12.0            |               | 12.9  | 13.9 | 14.5 | 12.6 | 14.2 | 16.4 | 13.7 | 14.4 | 16.9 | 13.9 | 14.8 | 16.0 | 14.3 | 12.0            |
| 14.0            |               | 8.6   | 9.5  | 10.1 | 8.3  | 9.8  | 11.0 | 9.3  | 10.0 | 12.3 | 9.6  | 10.4 | 11.4 | 10.0 | 14.0            |
| 16.0            |               |       |      |      | 5.4  | 6.9  | 8.9  | 6.5  | 7.1  | 9.3  | 6.6  | 7.4  | 8.3  | 7.0  | 16.0            |
| 18.0            |               |       |      |      | 3.3  | 4.8  | 6.7  | 4.3  | 5.0  | 7.1  | 4.5  | 5.3  | 6.2  | 4.9  | 18.0            |
| 20.0            |               |       |      |      |      |      |      | 2.7  | 3.3  | 5.4  | 3.0  | 3.7  | 4.5  | 3.3  | 20.0            |
| 22.0            |               |       |      |      |      |      |      | 1.5  | 2.1  | 4.1  | 1.7  | 2.5  | 3.3  | 2.1  | 22.0            |
| 24.0            |               |       |      |      |      |      |      |      |      |      |      | 1.4  | 2.3  | 1.1  | 24.0            |
| 26.0            |               |       |      |      |      |      |      |      |      |      |      |      | 1.5  |      | 26.0            |
| 28.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      | 28.0            |
| 30.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      | 30.0            |
| 32.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      | 32.0            |
| 34.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      | 34.0            |
| 36.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      | 36.0            |
| Number of lines | 12            | 12    | 10   | 8    | 10   | 8    | 5    | 8    | 6    | 5    | 6    | 6    | 5    | 5    | Number of lines |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ Side and rear are applied
- ④ Counterweight is 0T

| Radius ( m )    | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 34.8          | 34.8 | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52   | 52   | 56.3 | 60   |                 |
| 3.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3               |
| 3.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 4               |
| 4.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.5             |
| 5.0             | 47.1          | 44.0 |      |      |      |      |      |      |      |      |      |      |      |      |      | 5.0             |
| 6.0             | 45.1          | 42.5 | 39.9 | 36.5 | 34.0 |      |      |      |      |      |      |      |      |      |      | 6.0             |
| 7.0             | 43.0          | 40.3 | 38.3 | 35.1 | 31.5 | 29.9 | 26.7 | 24.6 |      |      |      |      |      |      |      | 7.0             |
| 8.0             | 36.6          | 36.8 | 35.9 | 33.6 | 29.6 | 29.4 | 26.2 | 23.1 | 26.2 | 23.6 | 21.0 |      |      |      |      | 8.0             |
| 9.0             | 29.0          | 29.6 | 28.4 | 28.9 | 27.0 | 28.3 | 25.5 | 22.1 | 25.2 | 22.5 | 20.4 |      |      |      |      | 9.0             |
| 10.0            | 23.3          | 23.9 | 22.7 | 23.2 | 23.9 | 22.7 | 23.6 | 20.4 | 22.7 | 20.7 | 19.4 | 18.9 | 16.8 |      |      | 10.0            |
| 12.0            | 15.9          | 16.5 | 15.4 | 15.9 | 16.8 | 15.4 | 16.2 | 17.3 | 15.7 | 16.7 | 17.5 | 16.2 | 15.7 | 16.3 | 12.3 | 12.0            |
| 14.0            | 11.5          | 12.0 | 10.9 | 11.4 | 12.3 | 10.9 | 11.7 | 12.7 | 11.3 | 12.2 | 12.9 | 11.7 | 12.7 | 12.3 | 12.0 | 14.0            |
| 16.0            | 8.4           | 8.9  | 8.0  | 8.4  | 9.2  | 8.0  | 8.7  | 9.6  | 8.3  | 9.1  | 9.8  | 8.7  | 9.6  | 9.2  | 9.3  | 16.0            |
| 18.0            | 6.3           | 6.7  | 5.8  | 6.2  | 7.0  | 5.8  | 6.5  | 7.4  | 6.1  | 6.9  | 7.6  | 6.5  | 7.4  | 7.0  | 7.1  | 18.0            |
| 20.0            | 4.7           | 5.1  | 4.2  | 4.6  | 5.4  | 4.2  | 4.9  | 5.8  | 4.5  | 5.3  | 5.9  | 4.9  | 5.8  | 5.4  | 5.4  | 20.0            |
| 22.0            | 3.4           | 3.8  | 2.9  | 3.3  | 4.1  | 2.9  | 3.6  | 4.5  | 3.2  | 4.0  | 4.6  | 3.6  | 4.5  | 4.1  | 4.1  | 22.0            |
| 24.0            | 2.4           | 2.8  | 1.9  | 2.3  | 3.1  | 1.9  | 2.6  | 3.4  | 2.2  | 3.0  | 3.6  | 2.6  | 3.4  | 3.0  | 3.1  | 24.0            |
| 26.0            | 1.5           | 1.9  | 1.1  | 1.5  | 2.2  | 1.1  | 1.7  | 2.6  | 1.4  | 2.1  | 2.7  | 1.7  | 2.6  | 2.2  | 2.3  | 26.0            |
| 28.0            |               | 1.2  |      |      | 1.5  |      | 1.0  | 1.9  |      | 1.4  | 2.0  | 1.0  | 1.9  | 1.5  | 1.6  | 28.0            |
| 30.0            |               |      |      |      | 1.0  |      |      | 1.3  |      |      | 1.4  |      | 1.3  | 1.0  | 1.0  | 30.0            |
| 32.0            |               |      |      |      |      |      |      |      |      |      | 1.0  |      |      |      |      | 32.0            |
| 34.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0            |
| 36.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0            |
| Number of lines | 5             | 5    | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 2    | 2    | 2    | 2    | 2    | Number of lines |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions (fully extended boom length), min. length is 13.3m and max. length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ Side and rear are applied
- ④ Counterweight is 12T

| Radius ( m )    | Main boom (m) |       |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 13.3          | 17.6  | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26   | 26   | 26   | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |                 |
| 3.0             | 130.0         | 110.0 | 91.0 | 68.0 |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             | 125.0         | 103.0 | 86.0 | 66.0 |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             | 116.0         | 99.0  | 85.0 | 65.0 | 90.0 | 68.0 | 49.0 | 77.0 | 57.5 | 46.0 |      |      |      |      |      | 4.0             |
| 4.5             | 108.0         | 93.0  | 82.0 | 63.0 | 88.0 | 65.0 | 47.0 | 73.0 | 54.5 | 44.0 | 63.0 | 57.7 | 45.0 |      |      | 4.5             |
| 5.0             | 99.0          | 88.0  | 76.0 | 61.0 | 78.0 | 63.0 | 45.0 | 69.0 | 52.5 | 42.0 | 57.7 | 52.5 | 43.0 | 52.5 | 47.1 | 5.0             |
| 6.0             | 86.0          | 80.0  | 70.5 | 55.5 | 71.0 | 57.5 | 40.0 | 62.5 | 48.0 | 39.5 | 56.0 | 49.2 | 40.3 | 47.2 | 45.1 | 6.0             |
| 7.0             | 61.6          | 62.4  | 63.7 | 48.0 | 61.9 | 52.5 | 37.0 | 58.0 | 43.0 | 37.0 | 53.0 | 47.1 | 36.7 | 45.0 | 43.0 | 7.0             |
| 8.0             | 46.1          | 47.3  | 48.4 | 43.0 | 46.8 | 47.0 | 34.0 | 48.1 | 40.0 | 34.0 | 48.4 | 45.1 | 33.6 | 42.4 | 39.7 | 8.0             |
| 9.0             | 36.4          | 37.4  | 38.5 | 39.2 | 37.0 | 38.8 | 31.5 | 38.2 | 35.0 | 32.0 | 38.4 | 39.4 | 30.6 | 38.9 | 36.5 | 9.0             |
| 10.0            | 29.5          | 30.5  | 31.5 | 32.1 | 30.1 | 31.8 | 29.0 | 31.2 | 32.0 | 29.2 | 31.5 | 32.4 | 28.2 | 31.9 | 33.5 | 10.0            |
| 12.0            |               | 21.4  | 22.3 | 22.9 | 21.1 | 22.6 | 24.7 | 22.1 | 22.8 | 25.2 | 22.3 | 23.2 | 24.9 | 22.7 | 24.3 | 12.0            |
| 14.0            |               | 15.6  | 16.5 | 17.1 | 15.3 | 16.8 | 18.9 | 16.4 | 17.0 | 19.3 | 16.6 | 17.4 | 19.1 | 17.0 | 18.4 | 14.0            |
| 16.0            |               |       |      |      | 11.3 | 12.7 | 14.7 | 12.3 | 13.0 | 15.2 | 12.5 | 13.3 | 14.9 | 12.9 | 14.3 | 16.0            |
| 18.0            |               |       |      |      | 8.4  | 9.8  | 11.7 | 9.4  | 10.0 | 12.1 | 9.6  | 10.4 | 11.9 | 9.9  | 11.3 | 18.0            |
| 20.0            |               |       |      |      |      |      |      | 7.2  | 7.8  | 9.8  | 7.4  | 8.1  | 9.7  | 7.7  | 9.1  | 20.0            |
| 22.0            |               |       |      |      |      |      |      | 5.4  | 6.0  | 8.1  | 5.7  | 6.4  | 7.9  | 6.0  | 7.3  | 22.0            |
| 24.0            |               |       |      |      |      |      |      |      |      |      | 4.3  | 5.0  | 6.5  | 4.6  | 5.9  | 24.0            |
| 26.0            |               |       |      |      |      |      |      |      |      |      | 3.1  | 3.8  | 5.3  | 3.5  | 4.7  | 26.0            |
| 28.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 2.5  | 3.8  | 28.0            |
| 30.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 1.7  | 2.9  | 30.0            |
| 32.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0            |
| 34.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0            |
| 36.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0            |
| 38.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0            |
| 40.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0            |
| 42.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0            |
| 44.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0            |
| 46.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0            |
| 48.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0            |
| 50.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| Number of lines | 12            | 12    | 10   | 8    | 10   | 8    | 5    | 8    | 6    | 5    | 6    | 6    | 5    | 5    | 5    | Number of lines |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ Side and rear are applied
- ④ Counterweight is 12T

| Radius ( m )    | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52   | 52   | 56.3 | 60   |                 |
| 3.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.0             |
| 4.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.5             |
| 5.0             | 44.0          |      |      |      |      |      |      |      |      |      |      |      |      |      | 5.0             |
| 6.0             | 42.5          | 39.9 | 36.5 | 34.0 |      |      |      |      |      |      |      |      |      |      | 6.0             |
| 7.0             | 40.3          | 38.3 | 35.1 | 31.5 | 29.9 | 26.7 | 24.6 |      |      |      |      |      |      |      | 7.0             |
| 8.0             | 36.8          | 36.7 | 33.6 | 29.6 | 29.4 | 26.2 | 23.1 | 26.2 | 23.6 | 21.0 |      |      |      |      | 8.0             |
| 9.0             | 33.6          | 34.1 | 31.5 | 27.0 | 28.8 | 25.5 | 22.1 | 25.2 | 22.5 | 20.4 |      |      |      |      | 9.0             |
| 10.0            | 29.8          | 31.5 | 28.8 | 23.9 | 27.8 | 24.1 | 20.4 | 23.1 | 20.7 | 19.4 | 18.9 | 16.8 |      |      | 10.0            |
| 12.0            | 24.8          | 23.7 | 24.2 | 21.8 | 23.7 | 22.5 | 18.9 | 21.6 | 19.4 | 17.8 | 17.3 | 15.7 | 16.3 | 12.3 | 12.0            |
| 14.0            | 18.9          | 18.0 | 18.4 | 19.2 | 17.9 | 18.7 | 17.6 | 18.2 | 17.8 | 16.3 | 16.0 | 14.7 | 14.1 | 12.3 | 14.0            |
| 16.0            | 14.8          | 13.8 | 14.2 | 15.1 | 13.8 | 14.5 | 15.5 | 14.1 | 15.0 | 15.1 | 14.5 | 14.1 | 13.6 | 12.0 | 16.0            |
| 18.0            | 11.8          | 10.9 | 11.3 | 12.1 | 10.8 | 11.5 | 12.5 | 11.1 | 12.0 | 12.6 | 11.5 | 12.5 | 12.0 | 10.9 | 18.0            |
| 20.0            | 9.5           | 8.6  | 9.0  | 9.8  | 8.6  | 9.3  | 10.2 | 8.9  | 9.7  | 10.3 | 9.3  | 10.2 | 9.8  | 9.8  | 20.0            |
| 22.0            | 7.7           | 6.9  | 7.3  | 8.0  | 6.9  | 7.5  | 8.4  | 7.1  | 7.9  | 8.5  | 7.5  | 8.4  | 8.0  | 8.1  | 22.0            |
| 24.0            | 6.3           | 5.5  | 5.9  | 6.6  | 5.5  | 6.1  | 7.0  | 5.7  | 6.5  | 7.1  | 6.1  | 7.0  | 6.6  | 6.7  | 24.0            |
| 26.0            | 5.2           | 4.3  | 4.7  | 5.4  | 4.3  | 4.9  | 5.8  | 4.6  | 5.3  | 5.9  | 5.0  | 5.8  | 5.4  | 5.5  | 26.0            |
| 28.0            | 4.2           | 3.4  | 3.7  | 4.5  | 3.3  | 4.0  | 4.8  | 3.6  | 4.4  | 5.0  | 4.0  | 4.8  | 4.4  | 4.5  | 28.0            |
| 30.0            | 3.4           | 2.5  | 2.9  | 3.6  | 2.5  | 3.2  | 4.0  | 2.8  | 3.5  | 4.1  | 3.2  | 4.0  | 3.6  | 3.7  | 30.0            |
| 32.0            |               | 1.8  | 2.2  | 2.9  | 1.8  | 2.5  | 3.3  | 2.1  | 2.8  | 3.4  | 2.5  | 3.3  | 2.9  | 3.0  | 32.0            |
| 34.0            |               | 1.2  | 1.6  | 2.3  | 1.2  | 1.8  | 2.7  | 1.5  | 2.2  | 2.8  | 1.9  | 2.7  | 2.3  | 2.4  | 34.0            |
| 36.0            |               |      | 1.0  | 1.8  |      | 1.3  | 2.1  | 1.0  | 1.7  | 2.2  | 1.3  | 2.1  | 1.8  | 1.8  | 36.0            |
| 38.0            |               |      |      |      |      |      | 1.6  |      | 1.2  | 1.8  |      | 1.6  | 1.3  | 1.3  | 38.0            |
| 40.0            |               |      |      |      |      |      | 1.2  |      |      | 1.3  |      | 1.2  | 1.0  | 1.0  | 40.0            |
| 42.0            |               |      |      |      |      |      |      |      |      | 1.0  |      |      |      |      | 42.0            |
| 44.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0            |
| 46.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0            |
| 48.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0            |
| 50.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| Number of lines | 5             | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 2    | 2    | 2    | 2    | 2    | Number of lines |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions (fully extended boom length), min. length is 13.3m and max. length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ Side and rear are applied
- ④ Counterweight is 12T sliding counterweight

| Radius ( m )    | Main boom (m) |       |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 13.3          | 17.6  | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26   | 26   | 26   | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |                 |
| 3.0             | 130.0         | 110.0 | 91.0 | 68.0 |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             | 125.0         | 103.0 | 86.0 | 66.0 |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             | 116.0         | 99.0  | 85.0 | 65.0 | 90.0 | 68.0 | 49.0 | 77.0 | 57.5 | 46.0 |      |      |      |      |      | 4.0             |
| 4.5             | 108.0         | 93.0  | 82.0 | 63.0 | 88.0 | 65.0 | 47.0 | 73.0 | 54.5 | 44.0 | 63.0 | 57.7 | 45.0 |      |      | 4.5             |
| 5.0             | 99.0          | 88.0  | 76.0 | 61.0 | 78.0 | 63.0 | 45.0 | 69.0 | 52.5 | 42.0 | 57.7 | 52.5 | 43.0 | 52.5 | 47.1 | 5.0             |
| 6.0             | 86.0          | 80.0  | 70.5 | 55.5 | 71.0 | 57.5 | 40.0 | 62.5 | 48.0 | 39.5 | 56.0 | 49.2 | 40.3 | 47.2 | 45.1 | 6.0             |
| 7.0             | 63.8          | 64.6  | 65.9 | 48.0 | 64.1 | 52.5 | 37.0 | 58.0 | 43.0 | 37.0 | 53.0 | 47.1 | 36.7 | 45.0 | 43.0 | 7.0             |
| 8.0             | 47.9          | 49.0  | 50.2 | 43.0 | 48.5 | 47.0 | 34.0 | 49.8 | 40.0 | 34.0 | 48.8 | 45.1 | 33.6 | 42.4 | 39.7 | 8.0             |
| 9.0             | 37.8          | 38.9  | 39.9 | 40.5 | 38.4 | 40.2 | 31.5 | 39.6 | 35.0 | 32.0 | 39.9 | 40.9 | 30.6 | 39.2 | 36.5 | 9.0             |
| 10.0            | 30.7          | 31.7  | 32.7 | 33.4 | 31.3 | 33.0 | 29.0 | 32.5 | 32.0 | 29.2 | 32.7 | 33.6 | 28.2 | 33.1 | 33.5 | 10.0            |
| 12.0            |               | 22.4  | 23.3 | 23.9 | 22.0 | 23.6 | 25.5 | 23.1 | 23.8 | 26.0 | 23.3 | 24.1 | 25.9 | 23.7 | 25.2 | 12.0            |
| 14.0            |               | 16.4  | 17.3 | 17.9 | 16.1 | 17.7 | 19.6 | 17.2 | 17.8 | 20.0 | 17.4 | 18.2 | 19.8 | 17.8 | 19.2 | 14.0            |
| 16.0            |               |       |      |      | 12.0 | 13.4 | 15.4 | 13.0 | 13.6 | 15.8 | 13.2 | 14.0 | 15.6 | 13.6 | 15.0 | 16.0            |
| 18.0            |               |       |      |      | 9.0  | 10.4 | 12.3 | 9.9  | 10.6 | 12.7 | 10.2 | 10.9 | 12.5 | 10.5 | 11.9 | 18.0            |
| 20.0            |               |       |      |      |      |      |      | 7.7  | 8.3  | 10.3 | 7.9  | 8.6  | 10.2 | 8.2  | 9.6  | 20.0            |
| 22.0            |               |       |      |      |      |      |      | 5.9  | 6.5  | 8.5  | 6.1  | 6.8  | 8.3  | 6.5  | 7.8  | 22.0            |
| 24.0            |               |       |      |      |      |      |      |      |      |      | 4.7  | 5.4  | 6.9  | 5.0  | 6.3  | 24.0            |
| 26.0            |               |       |      |      |      |      |      |      |      |      | 3.5  | 4.2  | 5.7  | 3.8  | 5.1  | 26.0            |
| 28.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 2.9  | 4.1  | 28.0            |
| 30.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 2.0  | 3.3  | 30.0            |
| 32.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0            |
| 34.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0            |
| 36.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0            |
| 38.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0            |
| 40.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0            |
| 42.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0            |
| 44.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0            |
| 46.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0            |
| 48.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0            |
| 50.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| Number of lines | 12            | 12    | 10   | 8    | 10   | 8    | 5    | 8    | 6    | 5    | 6    | 6    | 5    | 5    | 5    | Number of lines |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ Side and rear are applied
- ④ Counterweight is 12T slideing counterweight

| Radius ( m )    | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52   | 52   | 56.3 | 60   |                 |
| 3.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.0             |
| 4.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.5             |
| 5.0             | 44.0          |      |      |      |      |      |      |      |      |      |      |      |      |      | 5.0             |
| 6.0             | 42.5          | 39.9 | 36.5 | 34.0 |      |      |      |      |      |      |      |      |      |      | 6.0             |
| 7.0             | 40.3          | 38.3 | 35.1 | 31.5 | 29.9 | 26.7 | 24.6 |      |      |      |      |      |      |      | 7.0             |
| 8.0             | 36.8          | 36.7 | 33.6 | 29.6 | 29.4 | 26.2 | 23.1 | 26.2 | 23.6 | 21.0 |      |      |      |      | 8.0             |
| 9.0             | 33.6          | 34.1 | 31.5 | 27.0 | 28.8 | 25.5 | 22.1 | 25.2 | 22.5 | 20.4 |      |      |      |      | 9.0             |
| 10.0            | 29.8          | 31.5 | 28.8 | 23.9 | 27.8 | 24.1 | 20.4 | 23.1 | 20.7 | 19.4 | 18.9 | 16.8 |      |      | 10.0            |
| 12.0            | 25.7          | 24.7 | 25.2 | 21.8 | 24.7 | 22.5 | 18.9 | 21.6 | 19.4 | 17.8 | 17.3 | 15.7 | 16.3 | 12.3 | 12.0            |
| 14.0            | 19.7          | 18.7 | 19.2 | 19.7 | 18.7 | 19.4 | 17.6 | 19.0 | 17.8 | 16.3 | 16.0 | 14.7 | 14.1 | 12.3 | 14.0            |
| 16.0            | 15.5          | 14.5 | 14.9 | 15.8 | 14.5 | 15.2 | 16.2 | 14.8 | 15.6 | 15.1 | 14.7 | 14.1 | 13.6 | 12.0 | 16.0            |
| 18.0            | 12.4          | 11.4 | 11.8 | 12.7 | 11.4 | 12.1 | 13.1 | 11.7 | 12.5 | 13.2 | 12.1 | 13.0 | 12.6 | 10.9 | 18.0            |
| 20.0            | 10.0          | 9.1  | 9.5  | 10.3 | 9.1  | 9.8  | 10.7 | 9.4  | 10.2 | 10.8 | 9.8  | 10.7 | 10.3 | 10.4 | 20.0            |
| 22.0            | 8.2           | 7.3  | 7.7  | 8.5  | 7.3  | 8.0  | 8.9  | 7.6  | 8.4  | 9.0  | 8.0  | 8.9  | 8.5  | 8.5  | 22.0            |
| 24.0            | 6.7           | 5.9  | 6.3  | 7.0  | 5.9  | 6.5  | 7.4  | 6.1  | 6.9  | 7.5  | 6.5  | 7.4  | 7.0  | 7.1  | 24.0            |
| 26.0            | 5.5           | 4.7  | 5.1  | 5.8  | 4.7  | 5.3  | 6.2  | 4.9  | 5.7  | 6.3  | 5.3  | 6.2  | 5.8  | 5.9  | 26.0            |
| 28.0            | 4.5           | 3.7  | 4.1  | 4.8  | 3.7  | 4.3  | 5.2  | 4.0  | 4.7  | 5.3  | 4.3  | 5.2  | 4.8  | 4.9  | 28.0            |
| 30.0            | 3.7           | 2.9  | 3.2  | 3.9  | 2.9  | 3.5  | 4.3  | 3.1  | 3.9  | 4.4  | 3.5  | 4.3  | 3.9  | 4.0  | 30.0            |
| 32.0            |               | 2.1  | 2.5  | 3.2  | 2.1  | 2.7  | 3.6  | 2.4  | 3.1  | 3.7  | 2.8  | 3.6  | 3.2  | 3.3  | 32.0            |
| 34.0            |               | 1.5  | 1.9  | 2.6  | 1.5  | 2.1  | 2.9  | 1.8  | 2.5  | 3.1  | 2.1  | 2.9  | 2.6  | 2.6  | 34.0            |
| 36.0            |               | 1.0  | 1.3  | 2.0  | 1.0  | 1.6  | 2.4  | 1.2  | 1.9  | 2.5  | 1.6  | 2.4  | 2.0  | 2.1  | 36.0            |
| 38.0            |               |      |      |      |      | 1.1  | 1.9  |      | 1.4  | 2.0  | 1.1  | 1.9  | 1.5  | 1.6  | 38.0            |
| 40.0            |               |      |      |      |      |      | 1.4  |      | 1.0  | 1.6  |      | 1.4  | 1.1  | 1.2  | 40.0            |
| 42.0            |               |      |      |      |      |      |      |      |      | 1.2  |      | 1.0  |      |      | 42.0            |
| 44.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0            |
| 46.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0            |
| 48.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0            |
| 50.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| Number of lines | 5             | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 2    | 2    | 2    | 2    | 2    | Number of lines |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions (fully extended boom length), min. length is 13.3m and max. length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360° rotation is applied
- ④ Counterweight is 20T

| Radius ( m )    | Main boom (m) |       |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 13.3          | 17.6  | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26   | 26   | 26   | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |                 |
| 3.0             | 130.0         | 110.0 | 91.0 | 68.0 |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             | 125.0         | 103.0 | 88.0 | 66.0 |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             | 116.0         | 99.0  | 85.0 | 65.0 | 90.0 | 68.0 | 49.0 | 77.0 | 57.5 | 46.0 |      |      |      |      |      | 4.0             |
| 4.5             | 108.0         | 93.0  | 82.0 | 63.0 | 88.0 | 65.0 | 47.0 | 73.0 | 55.0 | 44.0 | 63.0 | 57.7 | 45.0 |      |      | 4.5             |
| 5.0             | 99.0          | 88.0  | 76.0 | 61.0 | 78.0 | 63.0 | 45.0 | 69.0 | 52.5 | 42.0 | 57.7 | 52.5 | 43.0 | 52.5 | 47.1 | 5.0             |
| 6.0             | 86.0          | 80.0  | 70.5 | 55.5 | 71.0 | 57.5 | 40.0 | 62.5 | 48.0 | 39.5 | 56.0 | 49.2 | 40.3 | 47.2 | 45.1 | 6.0             |
| 7.0             | 72.0          | 73.0  | 66.0 | 48.0 | 65.0 | 52.5 | 37.0 | 58.0 | 43.0 | 37.0 | 53.0 | 47.1 | 36.7 | 45.0 | 43.0 | 7.0             |
| 8.0             | 55.6          | 56.7  | 57.9 | 43.0 | 56.2 | 47.0 | 34.0 | 52.0 | 40.0 | 34.0 | 48.8 | 45.1 | 33.6 | 42.4 | 39.7 | 8.0             |
| 9.0             | 44.2          | 45.2  | 46.3 | 40.5 | 44.8 | 42.0 | 31.5 | 46.0 | 35.0 | 32.0 | 45.7 | 42.0 | 30.6 | 39.2 | 36.5 | 9.0             |
| 10.0            | 36.2          | 37.1  | 38.1 | 36.3 | 36.7 | 38.0 | 29.0 | 37.9 | 32.0 | 29.2 | 38.1 | 38.5 | 28.2 | 37.4 | 33.5 | 10.0            |
| 12.0            |               | 26.5  | 27.4 | 28.0 | 26.2 | 27.7 | 25.5 | 27.2 | 27.9 | 26.0 | 27.5 | 28.3 | 26.4 | 27.9 | 29.3 | 12.0            |
| 14.0            |               | 19.9  | 20.7 | 21.3 | 19.6 | 21.0 | 23.0 | 20.6 | 21.2 | 23.4 | 20.8 | 21.6 | 23.2 | 21.2 | 22.6 | 14.0            |
| 16.0            |               |       |      |      | 15.0 | 16.4 | 18.4 | 16.0 | 16.6 | 18.7 | 16.2 | 17.0 | 18.6 | 16.6 | 18.0 | 16.0            |
| 18.0            |               |       |      |      | 11.7 | 13.1 | 14.9 | 12.7 | 13.3 | 15.3 | 12.9 | 13.6 | 15.2 | 13.2 | 14.6 | 18.0            |
| 20.0            |               |       |      |      |      |      |      | 10.1 | 10.7 | 12.7 | 10.3 | 11.1 | 12.6 | 10.7 | 12.0 | 20.0            |
| 22.0            |               |       |      |      |      |      |      | 8.0  | 8.6  | 10.7 | 8.2  | 8.9  | 10.5 | 8.6  | 9.9  | 22.0            |
| 24.0            |               |       |      |      |      |      |      |      |      |      | 6.5  | 7.3  | 8.8  | 6.9  | 8.2  | 24.0            |
| 26.0            |               |       |      |      |      |      |      |      |      |      | 5.1  | 5.9  | 7.4  | 5.5  | 6.8  | 26.0            |
| 28.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 4.4  | 5.6  | 28.0            |
| 30.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 3.4  | 4.6  | 30.0            |
| 32.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0            |
| 34.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0            |
| 36.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0            |
| 38.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0            |
| 40.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0            |
| 42.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0            |
| 44.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0            |
| 46.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0            |
| 48.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0            |
| 50.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| 52.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0            |
| Number of lines | 12            | 12    | 10   | 8    | 10   | 8    | 5    | 8    | 6    | 5    | 6    | 6    | 5    | 5    | 5    | Number of lines |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360°rotation is applied
- ④ Counterweight is 20T

| Radius ( m )    | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52   | 52   | 56.3 | 60   |                 |
| 3.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.0             |
| 4.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.5             |
| 5.0             | 44.0          |      |      |      |      |      |      |      |      |      |      |      |      |      | 5.0             |
| 6.0             | 42.5          | 39.9 | 36.5 | 34.0 |      |      |      |      |      |      |      |      |      |      | 6.0             |
| 7.0             | 40.3          | 38.3 | 35.1 | 31.5 | 29.9 | 26.7 | 24.6 |      |      |      |      |      |      |      | 7.0             |
| 8.0             | 36.8          | 36.7 | 33.6 | 29.6 | 29.4 | 26.2 | 23.1 | 26.2 | 23.6 | 21.0 |      |      |      |      | 8.0             |
| 9.0             | 33.6          | 34.1 | 31.5 | 27.0 | 28.8 | 25.5 | 22.1 | 25.2 | 22.5 | 20.4 |      |      |      |      | 9.0             |
| 10.0            | 29.8          | 31.5 | 28.8 | 23.9 | 27.8 | 24.1 | 20.4 | 23.1 | 20.7 | 19.4 | 18.9 | 16.8 |      |      | 10.0            |
| 12.0            | 26.5          | 28.2 | 25.7 | 21.8 | 24.8 | 22.5 | 18.9 | 21.6 | 19.4 | 17.8 | 17.3 | 15.7 | 16.3 | 12.3 | 12.0            |
| 14.0            | 23.1          | 22.1 | 22.5 | 19.7 | 21.8 | 20.5 | 17.6 | 19.7 | 17.8 | 16.3 | 16.0 | 14.7 | 14.1 | 12.3 | 14.0            |
| 16.0            | 18.4          | 17.5 | 17.9 | 18.2 | 17.5 | 18.2 | 16.2 | 17.8 | 16.2 | 15.1 | 14.7 | 14.1 | 13.6 | 12.0 | 16.0            |
| 18.0            | 15.0          | 14.1 | 14.5 | 15.3 | 14.1 | 14.8 | 15.0 | 14.4 | 14.6 | 13.7 | 13.7 | 13.1 | 12.6 | 10.9 | 18.0            |
| 20.0            | 12.4          | 11.6 | 11.9 | 12.7 | 11.5 | 12.2 | 13.1 | 11.8 | 12.6 | 13.0 | 12.2 | 12.0 | 12.0 | 10.5 | 20.0            |
| 22.0            | 10.3          | 9.4  | 9.8  | 10.6 | 9.4  | 10.1 | 11.0 | 9.7  | 10.5 | 11.2 | 10.1 | 11.0 | 10.6 | 9.7  | 22.0            |
| 24.0            | 8.6           | 7.8  | 8.1  | 8.9  | 7.7  | 8.4  | 9.3  | 8.0  | 8.8  | 9.4  | 8.4  | 9.3  | 8.9  | 9.0  | 24.0            |
| 26.0            | 7.2           | 6.4  | 6.7  | 7.5  | 6.4  | 7.0  | 7.9  | 6.6  | 7.4  | 8.0  | 7.0  | 7.9  | 7.5  | 7.6  | 26.0            |
| 28.0            | 6.1           | 5.2  | 5.6  | 6.3  | 5.2  | 5.8  | 6.7  | 5.5  | 6.2  | 6.8  | 5.9  | 6.7  | 6.3  | 6.4  | 28.0            |
| 30.0            | 5.1           | 4.2  | 4.6  | 5.3  | 4.2  | 4.9  | 5.7  | 4.5  | 5.3  | 5.9  | 4.9  | 5.7  | 5.3  | 5.4  | 30.0            |
| 32.0            |               | 3.4  | 3.8  | 4.5  | 3.4  | 4.0  | 4.9  | 3.7  | 4.4  | 5.0  | 4.0  | 4.9  | 4.5  | 4.6  | 32.0            |
| 34.0            |               | 2.7  | 3.0  | 3.8  | 2.7  | 3.3  | 4.1  | 2.9  | 3.7  | 4.3  | 3.3  | 4.1  | 3.8  | 3.8  | 34.0            |
| 36.0            |               | 2.0  | 2.4  | 3.1  | 2.0  | 2.7  | 3.5  | 2.3  | 3.0  | 3.6  | 2.7  | 3.5  | 3.1  | 3.2  | 36.0            |
| 38.0            |               |      |      |      | 1.5  | 2.1  | 2.9  | 1.7  | 2.5  | 3.0  | 2.1  | 2.9  | 2.6  | 2.6  | 38.0            |
| 40.0            |               |      |      |      | 1.0  | 1.6  | 2.4  | 1.2  | 2.0  | 2.5  | 1.6  | 2.4  | 2.1  | 2.1  | 40.0            |
| 42.0            |               |      |      |      |      |      |      |      | 1.5  | 2.1  | 1.2  | 2.0  | 1.6  | 1.7  | 42.0            |
| 44.0            |               |      |      |      |      |      |      |      | 1.1  | 1.7  |      | 1.6  | 1.2  | 1.3  | 44.0            |
| 46.0            |               |      |      |      |      |      |      |      |      |      |      | 1.2  |      | 1.0  | 46.0            |
| 48.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0            |
| 50.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| 52.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0            |
| Number of lines | 5             | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 2    | 2    | 2    | 2    | 2    | Number of lines |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions (fully extended boom length ), min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360° rotation is applied
- ④ Counterweight is 20T sliding counterweight

| Radius ( m )    | Main boom (m) |       |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 13.3          | 17.6  | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26   | 26   | 26   | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |                 |
| 3.0             | 130.0         | 110.0 | 91.0 | 68.0 |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             | 125.0         | 103.0 | 88.0 | 66.0 |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             | 116.0         | 99.0  | 85.0 | 65.0 | 90.0 | 68.0 | 49.0 | 77.0 | 57.5 | 46.0 |      |      |      |      |      | 4.0             |
| 4.5             | 108.0         | 93.0  | 82.0 | 63.0 | 88.0 | 65.0 | 47.0 | 73.0 | 55.0 | 44.0 | 63.0 | 57.7 | 45.0 |      |      | 4.5             |
| 5.0             | 99.0          | 88.0  | 76.0 | 61.0 | 78.0 | 63.0 | 45.0 | 69.0 | 52.5 | 42.0 | 57.7 | 52.5 | 43.0 | 52.5 | 47.1 | 5.0             |
| 6.0             | 86.0          | 80.0  | 70.5 | 55.5 | 71.0 | 57.5 | 40.0 | 62.5 | 48.0 | 39.5 | 56.0 | 49.2 | 40.3 | 47.2 | 45.1 | 6.0             |
| 7.0             | 72.0          | 73.0  | 66.0 | 48.0 | 65.0 | 52.5 | 37.0 | 58.0 | 43.0 | 37.0 | 53.0 | 47.1 | 36.7 | 45.0 | 43.0 | 7.0             |
| 8.0             | 58.5          | 59.6  | 58.5 | 43.0 | 59.2 | 47.0 | 34.0 | 52.0 | 40.0 | 34.0 | 48.8 | 45.1 | 33.6 | 42.4 | 39.7 | 8.0             |
| 9.0             | 46.6          | 47.6  | 48.7 | 40.5 | 47.2 | 42.0 | 31.5 | 48.0 | 35.0 | 32.0 | 45.7 | 42.0 | 30.6 | 39.2 | 36.5 | 9.0             |
| 10.0            | 38.2          | 39.2  | 40.2 | 36.3 | 38.8 | 38.0 | 29.0 | 39.9 | 32.0 | 29.2 | 40.2 | 38.5 | 28.2 | 37.4 | 33.5 | 10.0            |
| 12.0            |               | 28.1  | 29.0 | 29.6 | 27.8 | 29.3 | 25.5 | 28.8 | 29.5 | 26.0 | 29.0 | 29.9 | 26.4 | 29.4 | 29.3 | 12.0            |
| 14.0            |               | 21.2  | 22.0 | 22.6 | 20.9 | 22.3 | 23.0 | 21.9 | 22.5 | 23.5 | 22.1 | 22.9 | 23.2 | 22.5 | 23.9 | 14.0            |
| 16.0            |               |       |      |      | 16.1 | 17.5 | 19.4 | 17.1 | 17.7 | 19.8 | 17.3 | 18.1 | 19.6 | 17.7 | 19.0 | 16.0            |
| 18.0            |               |       |      |      | 12.7 | 14.0 | 15.9 | 13.6 | 14.2 | 16.3 | 13.8 | 14.6 | 16.1 | 14.2 | 15.5 | 18.0            |
| 20.0            |               |       |      |      |      |      |      | 11.0 | 11.6 | 13.6 | 11.2 | 11.9 | 13.4 | 11.5 | 12.8 | 20.0            |
| 22.0            |               |       |      |      |      |      |      | 8.7  | 9.4  | 11.4 | 9.0  | 9.7  | 11.3 | 9.3  | 10.7 | 22.0            |
| 24.0            |               |       |      |      |      |      |      |      |      |      | 7.2  | 8.0  | 9.5  | 7.6  | 8.9  | 24.0            |
| 26.0            |               |       |      |      |      |      |      |      |      |      | 5.8  | 6.5  | 8.0  | 6.1  | 7.4  | 26.0            |
| 28.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 4.9  | 6.2  | 28.0            |
| 30.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 3.9  | 5.2  | 30.0            |
| 32.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0            |
| 34.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0            |
| 36.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0            |
| 38.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0            |
| 40.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0            |
| 42.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0            |
| 44.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0            |
| 46.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0            |
| 48.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0            |
| 50.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| 52.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0            |
| Number of lines | 12            | 12    | 10   | 8    | 10   | 8    | 5    | 8    | 6    | 5    | 6    | 6    | 5    | 5    | 5    | Number of lines |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360°rotation is applied
- ④ Counterweight is 20T sliding counterweight

| Radius ( m )    | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52   | 52   | 56.3 | 60   |                 |
| 3.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.0             |
| 4.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.5             |
| 5.0             | 44.0          |      |      |      |      |      |      |      |      |      |      |      |      |      | 5.0             |
| 6.0             | 42.5          | 39.9 | 36.5 | 34.0 |      |      |      |      |      |      |      |      |      |      | 6.0             |
| 7.0             | 40.3          | 38.3 | 35.1 | 31.5 | 29.9 | 26.7 | 24.6 |      |      |      |      |      |      |      | 7.0             |
| 8.0             | 36.8          | 36.7 | 33.6 | 29.6 | 29.4 | 26.2 | 23.1 | 26.2 | 23.6 | 21.0 |      |      |      |      | 8.0             |
| 9.0             | 33.6          | 34.1 | 31.5 | 27.0 | 28.8 | 25.5 | 22.1 | 25.2 | 22.5 | 20.4 |      |      |      |      | 9.0             |
| 10.0            | 29.8          | 31.5 | 28.8 | 23.9 | 27.8 | 24.1 | 20.4 | 23.1 | 20.7 | 19.4 | 18.9 | 16.8 |      |      | 10.0            |
| 12.0            | 26.5          | 28.2 | 25.7 | 21.8 | 24.8 | 22.5 | 18.9 | 21.6 | 19.4 | 17.8 | 17.3 | 15.7 | 16.3 | 12.3 | 12.0            |
| 14.0            | 23.1          | 23.4 | 23.1 | 19.7 | 21.8 | 20.5 | 17.6 | 19.7 | 17.8 | 16.3 | 16.0 | 14.7 | 14.1 | 12.3 | 14.0            |
| 16.0            | 19.2          | 18.6 | 19.0 | 18.2 | 18.6 | 18.6 | 16.2 | 17.9 | 16.2 | 15.1 | 14.7 | 14.1 | 13.6 | 12.0 | 16.0            |
| 18.0            | 16.0          | 15.0 | 15.4 | 16.2 | 15.0 | 15.7 | 15.0 | 15.3 | 14.6 | 13.7 | 13.7 | 13.1 | 12.6 | 10.9 | 18.0            |
| 20.0            | 13.3          | 12.4 | 12.8 | 13.5 | 12.4 | 13.0 | 13.6 | 12.6 | 13.4 | 13.0 | 13.0 | 12.0 | 12.0 | 10.5 | 20.0            |
| 22.0            | 11.1          | 10.2 | 10.6 | 11.4 | 10.2 | 10.9 | 11.8 | 10.5 | 11.3 | 11.9 | 10.9 | 11.3 | 11.4 | 9.7  | 22.0            |
| 24.0            | 9.3           | 8.5  | 8.8  | 9.6  | 8.4  | 9.1  | 10.0 | 8.7  | 9.5  | 10.1 | 9.1  | 10.0 | 9.6  | 9.0  | 24.0            |
| 26.0            | 7.9           | 7.0  | 7.4  | 8.1  | 7.0  | 7.6  | 8.5  | 7.3  | 8.0  | 8.6  | 7.6  | 8.5  | 8.1  | 8.2  | 26.0            |
| 28.0            | 6.6           | 5.8  | 6.2  | 6.9  | 5.8  | 6.4  | 7.3  | 6.0  | 6.8  | 7.4  | 6.4  | 7.3  | 6.9  | 7.0  | 28.0            |
| 30.0            | 5.6           | 4.8  | 5.1  | 5.9  | 4.8  | 5.4  | 6.3  | 5.0  | 5.8  | 6.4  | 5.4  | 6.2  | 5.9  | 5.9  | 30.0            |
| 32.0            |               | 3.9  | 4.3  | 5.0  | 3.9  | 4.5  | 5.4  | 4.2  | 4.9  | 5.5  | 4.5  | 5.4  | 5.0  | 5.0  | 32.0            |
| 34.0            |               | 3.1  | 3.5  | 4.2  | 3.1  | 3.8  | 4.6  | 3.4  | 4.1  | 4.7  | 3.8  | 4.6  | 4.2  | 4.3  | 34.0            |
| 36.0            |               | 2.5  | 2.8  | 3.6  | 2.5  | 3.1  | 3.9  | 2.7  | 3.5  | 4.0  | 3.1  | 3.9  | 3.6  | 3.6  | 36.0            |
| 38.0            |               |      |      |      | 1.9  | 2.5  | 3.3  | 2.2  | 2.9  | 3.5  | 2.5  | 3.3  | 3.0  | 3.0  | 38.0            |
| 40.0            |               |      |      |      | 1.4  | 2.0  | 2.8  | 1.6  | 2.4  | 2.9  | 2.0  | 2.8  | 2.4  | 2.5  | 40.0            |
| 42.0            |               |      |      |      |      |      |      | 1.2  | 1.9  | 2.5  | 1.5  | 2.3  | 2.0  | 2.0  | 42.0            |
| 44.0            |               |      |      |      |      |      |      |      | 1.5  | 2.0  | 1.1  | 1.9  | 1.5  | 1.6  | 44.0            |
| 46.0            |               |      |      |      |      |      |      |      |      |      |      | 1.5  | 1.2  | 1.2  | 46.0            |
| 48.0            |               |      |      |      |      |      |      |      |      |      |      | 1.2  |      | 1.0  | 48.0            |
| 50.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| 52.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0            |
| Number of lines | 5             | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 2    | 2    | 2    | 2    | 2    | Number of lines |

# STC1300C TRUCK CRANE

## LOAD CHART

### Prerequisites:

- ① Boom operating conditions (fully extended boom length), min. length is 13.3m and max. length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360° rotation is applied
- ④ Counterweight is 27T

| Radius ( m )    | Main boom (m) |       |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 13.3          | 17.6  | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26   | 26   | 26   | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |                 |
| 3.0             | 130.0         | 110.0 | 91.0 | 68.0 |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             | 125.0         | 103.0 | 88.0 | 66.0 |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             | 116.0         | 99.0  | 85.0 | 65.0 | 90.0 | 68.0 | 49.0 | 77.0 | 57.5 | 46.0 |      |      |      |      |      | 4.0             |
| 4.5             | 108.0         | 93.0  | 82.0 | 63.0 | 88.0 | 65.0 | 47.0 | 73.0 | 55.0 | 44.0 | 63.0 | 57.7 | 45.0 |      |      | 4.5             |
| 5.0             | 99.0          | 88.0  | 76.0 | 61.0 | 78.0 | 63.0 | 45.0 | 69.0 | 52.5 | 42.0 | 57.7 | 52.5 | 43.0 | 52.5 | 47.1 | 5.0             |
| 6.0             | 86.0          | 80.0  | 70.5 | 55.5 | 71.0 | 57.5 | 40.0 | 62.5 | 48.0 | 39.5 | 56.0 | 49.2 | 40.3 | 47.2 | 45.1 | 6.0             |
| 7.0             | 72.0          | 73.0  | 66.0 | 48.0 | 65.0 | 52.5 | 37.0 | 58.0 | 43.0 | 37.0 | 53.0 | 47.1 | 36.7 | 45.0 | 43.0 | 7.0             |
| 8.0             | 62.0          | 62.0  | 58.5 | 43.0 | 59.5 | 47.0 | 34.0 | 52.0 | 40.0 | 34.0 | 48.8 | 45.1 | 33.6 | 42.4 | 39.7 | 8.0             |
| 9.0             | 54.0          | 52.0  | 51.0 | 40.5 | 51.6 | 42.0 | 31.5 | 48.0 | 35.0 | 32.0 | 45.7 | 42.0 | 30.6 | 39.2 | 36.5 | 9.0             |
| 10.0            | 42.0          | 42.9  | 43.9 | 36.3 | 42.5 | 38.0 | 29.0 | 43.7 | 32.0 | 29.2 | 41.0 | 38.5 | 28.2 | 37.4 | 33.5 | 10.0            |
| 12.0            |               | 31.0  | 31.9 | 32.5 | 30.7 | 32.2 | 25.5 | 31.7 | 29.5 | 26.0 | 31.9 | 31.5 | 26.4 | 32.3 | 29.3 | 12.0            |
| 14.0            |               | 23.5  | 24.4 | 24.9 | 23.2 | 24.7 | 23.0 | 24.2 | 24.9 | 23.5 | 24.4 | 25.2 | 23.2 | 24.8 | 26.0 | 14.0            |
| 16.0            |               |       |      |      | 18.1 | 19.5 | 21.0 | 19.1 | 19.7 | 21.0 | 19.3 | 20.0 | 21.6 | 19.6 | 21.0 | 16.0            |
| 18.0            |               |       |      |      | 14.4 | 15.7 | 17.6 | 15.3 | 15.9 | 18.0 | 15.5 | 16.3 | 17.8 | 15.9 | 17.2 | 18.0            |
| 20.0            |               |       |      |      |      |      |      | 12.5 | 13.1 | 15.1 | 12.7 | 13.4 | 14.9 | 13.0 | 14.3 | 20.0            |
| 22.0            |               |       |      |      |      |      |      | 10.2 | 10.8 | 12.8 | 10.4 | 11.1 | 12.6 | 10.8 | 12.1 | 22.0            |
| 24.0            |               |       |      |      |      |      |      |      |      |      | 8.6  | 9.3  | 10.8 | 9.0  | 10.2 | 24.0            |
| 26.0            |               |       |      |      |      |      |      |      |      |      | 7.1  | 7.8  | 9.2  | 7.5  | 8.7  | 26.0            |
| 28.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 6.2  | 7.4  | 28.0            |
| 30.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 5.1  | 6.4  | 30.0            |
| 32.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0            |
| 34.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0            |
| 36.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0            |
| 38.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0            |
| 40.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0            |
| 42.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0            |
| 44.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0            |
| 46.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0            |
| 48.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0            |
| 50.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| 52.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0            |
| 54.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 54.0            |
| 56.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 56.0            |
| Number of lines | 12            | 12    | 10   | 8    | 10   | 8    | 5    | 8    | 6    | 5    | 6    | 6    | 5    | 5    | 5    | Number of lines |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360°rotation is applied
- ④ Counterweight is 27T

| Radius ( m )    | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52   | 52   | 56.3 | 60   |                 |
| 3.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.0             |
| 4.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.5             |
| 5.0             | 44.0          |      |      |      |      |      |      |      |      |      |      |      |      |      | 5.0             |
| 6.0             | 42.5          | 39.9 | 36.5 | 34.0 |      |      |      |      |      |      |      |      |      |      | 6.0             |
| 7.0             | 40.3          | 38.3 | 35.1 | 31.5 | 29.9 | 26.7 | 24.6 |      |      |      |      |      |      |      | 7.0             |
| 8.0             | 36.8          | 36.7 | 33.6 | 29.6 | 29.4 | 26.2 | 23.1 | 26.2 | 23.6 | 21.0 |      |      |      |      | 8.0             |
| 9.0             | 33.6          | 34.1 | 31.5 | 27.0 | 28.8 | 25.5 | 22.1 | 25.2 | 22.5 | 20.4 |      |      |      |      | 9.0             |
| 10.0            | 29.8          | 31.5 | 28.8 | 23.9 | 27.8 | 24.1 | 20.4 | 23.1 | 20.7 | 19.4 | 18.9 | 16.8 |      |      | 10.0            |
| 12.0            | 26.5          | 28.2 | 25.7 | 21.8 | 24.8 | 22.5 | 18.9 | 21.6 | 19.4 | 17.8 | 17.3 | 15.7 | 16.3 | 12.3 | 12.0            |
| 14.0            | 23.1          | 25.7 | 23.1 | 19.7 | 21.8 | 20.5 | 17.6 | 19.7 | 17.8 | 16.3 | 16.0 | 14.7 | 14.1 | 12.3 | 14.0            |
| 16.0            | 19.2          | 20.5 | 20.5 | 18.2 | 19.5 | 18.6 | 16.2 | 17.9 | 16.2 | 15.1 | 14.7 | 14.1 | 13.6 | 12.0 | 16.0            |
| 18.0            | 17.7          | 16.8 | 17.2 | 16.8 | 16.8 | 16.9 | 15.0 | 16.2 | 14.6 | 13.7 | 13.7 | 13.1 | 12.6 | 10.9 | 18.0            |
| 20.0            | 14.8          | 13.9 | 14.3 | 15.0 | 13.9 | 14.5 | 13.6 | 14.1 | 13.5 | 13.0 | 13.0 | 12.0 | 12.0 | 10.5 | 20.0            |
| 22.0            | 12.5          | 11.6 | 12.0 | 12.7 | 11.6 | 12.3 | 12.9 | 11.9 | 12.5 | 12.0 | 12.0 | 11.3 | 11.5 | 9.7  | 22.0            |
| 24.0            | 10.6          | 9.8  | 10.2 | 10.9 | 9.8  | 10.4 | 11.3 | 10.0 | 10.8 | 10.9 | 10.4 | 10.6 | 10.9 | 9.0  | 24.0            |
| 26.0            | 9.1           | 8.3  | 8.7  | 9.4  | 8.3  | 8.9  | 9.7  | 8.5  | 9.3  | 9.9  | 8.9  | 9.7  | 9.4  | 8.2  | 26.0            |
| 28.0            | 7.8           | 7.0  | 7.4  | 8.1  | 7.0  | 7.6  | 8.5  | 7.3  | 8.0  | 8.6  | 7.6  | 8.5  | 8.1  | 7.7  | 28.0            |
| 30.0            | 6.8           | 5.9  | 6.3  | 7.0  | 5.9  | 6.6  | 7.4  | 6.2  | 6.9  | 7.5  | 6.6  | 7.4  | 7.0  | 7.1  | 30.0            |
| 32.0            |               | 5.0  | 5.4  | 6.1  | 5.0  | 5.6  | 6.4  | 5.3  | 6.0  | 6.6  | 5.6  | 6.4  | 6.1  | 6.1  | 32.0            |
| 34.0            |               | 4.2  | 4.5  | 5.3  | 4.2  | 4.8  | 5.6  | 4.4  | 5.2  | 5.8  | 4.8  | 5.6  | 5.3  | 5.3  | 34.0            |
| 36.0            |               | 3.4  | 3.8  | 4.5  | 3.4  | 4.1  | 4.9  | 3.7  | 4.4  | 5.0  | 4.1  | 4.9  | 4.5  | 4.6  | 36.0            |
| 38.0            |               |      |      |      | 2.8  | 3.4  | 4.2  | 3.1  | 3.8  | 4.4  | 3.4  | 4.2  | 3.9  | 3.9  | 38.0            |
| 40.0            |               |      |      |      | 2.2  | 2.8  | 3.7  | 2.5  | 3.2  | 3.8  | 2.9  | 3.7  | 3.3  | 3.4  | 40.0            |
| 42.0            |               |      |      |      |      |      |      | 2.0  | 2.7  | 3.3  | 2.4  | 3.1  | 2.8  | 2.9  | 42.0            |
| 44.0            |               |      |      |      |      |      |      | 1.5  | 2.2  | 2.8  | 1.9  | 2.7  | 2.3  | 2.4  | 44.0            |
| 46.0            |               |      |      |      |      |      |      |      |      |      | 1.5  | 2.3  | 1.9  | 2.0  | 46.0            |
| 48.0            |               |      |      |      |      |      |      |      |      |      | 1.1  | 1.9  | 1.5  | 1.6  | 48.0            |
| 50.0            |               |      |      |      |      |      |      |      |      |      |      |      | 1.2  | 1.2  | 50.0            |
| 52.0            |               |      |      |      |      |      |      |      |      |      |      |      | 1.0  | 1.0  | 52.0            |
| 54.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 54.0            |
| 56.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 56.0            |
| Number of lines | 5             | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 2    | 2    | 2    | 2    | 2    | Number of lines |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions (fully extended boom length), min. length is 13.3m and max. length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360° rotation is applied
- ④ Counterweight is 27T sliding counterweight

| Radius ( m )    | Main boom (m) |       |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 13.3          | 17.6  | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26   | 26   | 26   | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |                 |
| 3.0             | 130.0         | 110.0 | 91.0 | 68.0 |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             | 125.0         | 103.0 | 88.0 | 66.0 |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             | 116.0         | 99.0  | 85.0 | 65.0 | 90.0 | 68.0 | 49.0 | 77.0 | 57.5 | 46.0 |      |      |      |      |      | 4.0             |
| 4.5             | 108.0         | 93.0  | 82.0 | 63.0 | 88.0 | 65.0 | 47.0 | 73.0 | 55.0 | 44.0 | 63.0 | 57.7 | 45.0 |      |      | 4.5             |
| 5.0             | 99.0          | 88.0  | 76.0 | 61.0 | 78.0 | 63.0 | 45.0 | 69.0 | 52.5 | 42.0 | 57.7 | 52.5 | 43.0 | 52.5 | 47.1 | 5.0             |
| 6.0             | 86.0          | 80.0  | 70.5 | 55.5 | 71.0 | 57.5 | 40.0 | 62.5 | 48.0 | 39.5 | 56.0 | 49.2 | 40.3 | 47.2 | 45.1 | 6.0             |
| 7.0             | 72.0          | 73.0  | 66.0 | 48.0 | 65.0 | 52.5 | 37.0 | 58.0 | 43.0 | 37.0 | 53.0 | 47.1 | 36.7 | 45.0 | 43.0 | 7.0             |
| 8.0             | 62.0          | 62.0  | 58.5 | 43.0 | 59.5 | 47.0 | 34.0 | 52.0 | 40.0 | 34.0 | 48.8 | 45.1 | 33.6 | 42.4 | 39.7 | 8.0             |
| 9.0             | 54.0          | 53.0  | 51.0 | 40.5 | 52.5 | 42.0 | 31.5 | 48.0 | 35.0 | 32.0 | 45.7 | 42.0 | 30.6 | 39.2 | 36.5 | 9.0             |
| 10.0            | 44.7          | 45.7  | 46.0 | 36.3 | 45.3 | 38.0 | 29.0 | 45.0 | 32.0 | 29.2 | 41.0 | 38.5 | 28.2 | 37.4 | 33.5 | 10.0            |
| 12.0            |               | 33.1  | 34.1 | 34.2 | 32.8 | 33.0 | 25.5 | 33.8 | 29.5 | 26.0 | 34.1 | 31.5 | 26.4 | 33.0 | 29.3 | 12.0            |
| 14.0            |               | 25.2  | 26.1 | 26.7 | 25.0 | 26.4 | 23.0 | 25.9 | 26.2 | 23.5 | 26.2 | 27.0 | 23.2 | 26.5 | 26.0 | 14.0            |
| 16.0            |               |       |      |      | 19.6 | 21.0 | 21.0 | 20.5 | 21.2 | 21.0 | 20.7 | 21.5 | 21.7 | 21.1 | 21.4 | 16.0            |
| 18.0            |               |       |      |      | 15.6 | 17.0 | 18.9 | 16.6 | 17.2 | 18.3 | 16.8 | 17.5 | 19.1 | 17.1 | 18.5 | 18.0            |
| 20.0            |               |       |      |      |      |      |      | 13.6 | 14.2 | 16.2 | 13.8 | 14.5 | 16.0 | 14.1 | 15.4 | 20.0            |
| 22.0            |               |       |      |      |      |      |      | 11.2 | 11.8 | 13.8 | 11.4 | 12.1 | 13.6 | 11.8 | 13.0 | 22.0            |
| 24.0            |               |       |      |      |      |      |      |      |      |      | 9.5  | 10.2 | 11.7 | 9.9  | 11.1 | 24.0            |
| 26.0            |               |       |      |      |      |      |      |      |      |      | 7.9  | 8.6  | 10.1 | 8.3  | 9.5  | 26.0            |
| 28.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 7.0  | 8.2  | 28.0            |
| 30.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 5.8  | 7.0  | 30.0            |
| 32.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0            |
| 34.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0            |
| 36.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0            |
| 38.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0            |
| 40.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0            |
| 42.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0            |
| 44.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0            |
| 46.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0            |
| 48.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0            |
| 50.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| 52.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0            |
| 54.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 54.0            |
| 56.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 56.0            |
| Number of lines | 12            | 12    | 10   | 8    | 10   | 8    | 5    | 8    | 6    | 5    | 6    | 6    | 5    | 5    | 5    | Number of lines |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360°rotation is applied
- ④ Counterweight is 27T sliding counterweight

| Radius ( m )    | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52   | 52   | 56.3 | 60   |                 |
| 3.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.0             |
| 4.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.5             |
| 5.0             | 44.0          |      |      |      |      |      |      |      |      |      |      |      |      |      | 5.0             |
| 6.0             | 42.5          | 39.9 | 36.5 | 34.0 |      |      |      |      |      |      |      |      |      |      | 6.0             |
| 7.0             | 40.3          | 38.3 | 35.1 | 31.5 | 29.9 | 26.7 | 24.6 |      |      |      |      |      |      |      | 7.0             |
| 8.0             | 36.8          | 36.7 | 33.6 | 29.6 | 29.4 | 26.2 | 23.1 | 26.2 | 23.6 | 21.0 |      |      |      |      | 8.0             |
| 9.0             | 33.6          | 34.1 | 31.5 | 27.0 | 28.8 | 25.5 | 22.1 | 25.2 | 22.5 | 20.4 |      |      |      |      | 9.0             |
| 10.0            | 29.8          | 31.5 | 28.8 | 23.9 | 27.8 | 24.1 | 20.4 | 23.1 | 20.7 | 19.4 | 18.9 | 16.8 |      |      | 10.0            |
| 12.0            | 26.5          | 28.2 | 25.7 | 21.8 | 24.8 | 22.5 | 18.9 | 21.6 | 19.4 | 17.8 | 17.3 | 15.7 | 16.3 | 12.3 | 12.0            |
| 14.0            | 23.1          | 26.0 | 23.1 | 19.7 | 21.8 | 20.5 | 17.6 | 19.7 | 17.8 | 16.3 | 16.0 | 14.7 | 14.1 | 12.3 | 14.0            |
| 16.0            | 19.2          | 22.0 | 20.5 | 18.2 | 19.5 | 18.6 | 16.2 | 17.9 | 16.2 | 15.1 | 14.7 | 14.1 | 13.6 | 12.0 | 16.0            |
| 18.0            | 17.8          | 18.0 | 18.4 | 16.8 | 17.8 | 16.9 | 15.0 | 16.2 | 14.6 | 13.7 | 13.7 | 13.1 | 12.6 | 10.9 | 18.0            |
| 20.0            | 15.9          | 15.0 | 15.4 | 15.2 | 15.0 | 15.3 | 13.6 | 14.5 | 13.5 | 13.0 | 13.0 | 12.0 | 12.0 | 10.5 | 20.0            |
| 22.0            | 13.5          | 12.6 | 13.0 | 13.7 | 12.6 | 13.2 | 12.9 | 12.9 | 12.5 | 12.0 | 12.0 | 11.3 | 11.5 | 9.7  | 22.0            |
| 24.0            | 11.5          | 10.7 | 11.1 | 11.8 | 10.7 | 11.3 | 12.1 | 10.9 | 11.4 | 10.9 | 11.3 | 10.6 | 11.0 | 9.0  | 24.0            |
| 26.0            | 9.9           | 9.1  | 9.5  | 10.2 | 9.1  | 9.7  | 10.6 | 9.4  | 10.1 | 10.5 | 9.7  | 9.9  | 10.2 | 8.2  | 26.0            |
| 28.0            | 8.6           | 7.8  | 8.1  | 8.9  | 7.8  | 8.4  | 9.2  | 8.0  | 8.8  | 9.3  | 8.4  | 9.2  | 8.8  | 7.7  | 28.0            |
| 30.0            | 7.5           | 6.6  | 7.0  | 7.7  | 6.6  | 7.3  | 8.1  | 6.9  | 7.6  | 8.2  | 7.3  | 8.1  | 7.7  | 7.2  | 30.0            |
| 32.0            |               | 5.7  | 6.0  | 6.7  | 5.7  | 6.3  | 7.1  | 5.9  | 6.6  | 7.2  | 6.3  | 7.1  | 6.7  | 6.8  | 32.0            |
| 34.0            |               | 4.8  | 5.2  | 5.9  | 4.8  | 5.4  | 6.2  | 5.1  | 5.8  | 6.4  | 5.4  | 6.2  | 5.9  | 5.9  | 34.0            |
| 36.0            |               | 4.0  | 4.4  | 5.1  | 4.0  | 4.6  | 5.5  | 4.3  | 5.0  | 5.6  | 4.7  | 5.5  | 5.1  | 5.2  | 36.0            |
| 38.0            |               |      |      |      | 3.4  | 4.0  | 4.8  | 3.6  | 4.3  | 4.9  | 4.0  | 4.8  | 4.4  | 4.5  | 38.0            |
| 40.0            |               |      |      |      | 2.7  | 3.4  | 4.2  | 3.0  | 3.7  | 4.3  | 3.4  | 4.2  | 3.8  | 3.9  | 40.0            |
| 42.0            |               |      |      |      |      |      |      | 2.5  | 3.2  | 3.8  | 2.8  | 3.6  | 3.3  | 3.3  | 42.0            |
| 44.0            |               |      |      |      |      |      |      | 2.0  | 2.7  | 3.3  | 2.4  | 3.1  | 2.8  | 2.9  | 44.0            |
| 46.0            |               |      |      |      |      |      |      |      |      |      | 1.9  | 2.7  | 2.4  | 2.4  | 46.0            |
| 48.0            |               |      |      |      |      |      |      |      |      |      | 1.5  | 2.3  | 2.0  | 2.0  | 48.0            |
| 50.0            |               |      |      |      |      |      |      |      |      |      |      |      | 1.6  | 1.7  | 50.0            |
| 52.0            |               |      |      |      |      |      |      |      |      |      |      |      | 1.3  | 1.3  | 52.0            |
| 54.0            |               |      |      |      |      |      |      |      |      |      |      |      |      | 1.0  | 54.0            |
| 56.0            |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 56.0            |
| Number of lines | 5             | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 2    | 2    | 2    | 2    | 2    | Number of lines |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions (fully extended boom length), min. length is 13.3m and max. length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360° rotation is applied
- ④ Counterweight is 40T

| Radius ( m )    | Main boom (m) |       |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 13.3          | 17.6  | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26   | 26   | 26   | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |                 |
| 3.0             | 130.0         | 110.0 | 91.0 | 68.0 |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             | 125.0         | 103.0 | 88.0 | 66.0 |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             | 116.0         | 99.0  | 85.0 | 65.0 | 90.0 | 68.0 | 49.0 | 77.0 | 57.5 | 46.0 |      |      |      |      |      | 4.0             |
| 4.5             | 108.0         | 93.0  | 82.0 | 63.0 | 88.0 | 65.0 | 47.0 | 73.0 | 55.0 | 44.0 | 63.0 | 57.7 | 45.0 |      |      | 4.5             |
| 5.0             | 99.0          | 88.0  | 76.0 | 61.0 | 78.0 | 63.0 | 45.0 | 69.0 | 52.5 | 42.0 | 57.7 | 52.5 | 43.0 | 52.5 | 47.1 | 5.0             |
| 6.0             | 86.0          | 80.0  | 70.5 | 55.5 | 71.0 | 57.5 | 40.0 | 62.5 | 48.0 | 39.5 | 56.0 | 49.2 | 40.3 | 47.2 | 45.1 | 6.0             |
| 7.0             | 72.0          | 73.0  | 66.0 | 48.0 | 65.0 | 52.5 | 37.0 | 58.0 | 43.0 | 37.0 | 53.0 | 47.1 | 36.7 | 45.0 | 43.0 | 7.0             |
| 8.0             | 62.0          | 62.0  | 58.5 | 43.0 | 59.5 | 47.0 | 34.0 | 52.0 | 40.0 | 34.0 | 48.8 | 45.1 | 33.6 | 42.4 | 39.7 | 8.0             |
| 9.0             | 54.0          | 53.0  | 51.0 | 40.5 | 52.5 | 42.0 | 31.5 | 48.0 | 35.0 | 32.0 | 45.7 | 42.0 | 30.6 | 39.2 | 36.5 | 9.0             |
| 10.0            | 47.0          | 47.0  | 46.0 | 36.3 | 47.0 | 38.0 | 29.0 | 45.0 | 32.0 | 29.2 | 41.0 | 38.5 | 28.2 | 37.4 | 33.5 | 10.0            |
| 12.0            |               | 40.0  | 40.2 | 34.2 | 39.0 | 33.0 | 25.5 | 39.0 | 29.5 | 26.0 | 36.0 | 31.5 | 26.4 | 33.0 | 29.3 | 12.0            |
| 14.0            |               | 30.5  |      | 29.0 | 30.0 | 28.0 | 23.0 | 31.3 | 26.2 | 23.5 | 31.5 | 28.5 | 23.2 | 28.2 | 26.0 | 14.0            |
| 16.0            |               |       |      |      | 23.8 | 25.2 | 21.0 | 24.5 | 23.0 | 21.0 | 25.0 | 25.5 | 21.7 | 25.2 | 21.4 | 16.0            |
| 18.0            |               |       |      |      | 19.3 | 20.7 | 19.5 | 20.2 | 20.8 | 18.3 | 20.4 | 21.2 | 19.5 | 20.7 | 18.6 | 18.0            |
| 20.0            |               |       |      |      |      |      |      | 16.8 | 17.4 | 16.8 | 17.0 | 17.7 | 17.8 | 17.4 | 17.0 | 20.0            |
| 22.0            |               |       |      |      |      |      |      | 14.1 | 14.5 | 14.8 | 14.2 | 15.0 | 16.5 | 14.6 | 15.9 | 22.0            |
| 24.0            |               |       |      |      |      |      |      |      |      |      | 11.9 | 12.8 | 14.3 | 12.3 | 13.5 | 24.0            |
| 26.0            |               |       |      |      |      |      |      |      |      |      | 10.1 | 10.8 | 12.4 | 10.5 | 11.7 | 26.0            |
| 28.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 8.9  | 10.1 | 28.0            |
| 30.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 7.6  | 8.8  | 30.0            |
| 32.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0            |
| 34.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0            |
| 36.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0            |
| 38.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0            |
| 40.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0            |
| 42.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0            |
| 44.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0            |
| 46.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0            |
| 48.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0            |
| 50.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| 52.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0            |
| 54.0            | 1.0           |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 54.0            |
| 56.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 56.0            |
| Number of lines | 12            | 12    | 10   | 8.0  | 10   | 8    | 5    | 8    | 6    | 5    | 6    | 6    | 5    | 5    | 5    | Number of lines |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360°rotation is applied
- ④ Counterweight is 40T

| Radius ( m )    | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52   | 52   | 56.3 | 60   |                 |
| 3.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.0             |
| 4.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.5             |
| 5.0             | 44.0          |      |      |      |      |      |      |      |      |      |      |      |      |      | 5.0             |
| 6.0             | 42.5          | 39.9 | 36.5 | 34.0 |      |      |      |      |      |      |      |      |      |      | 6.0             |
| 7.0             | 40.3          | 38.3 | 35.1 | 31.5 | 29.9 | 26.7 | 24.6 |      |      |      |      |      |      |      | 7.0             |
| 8.0             | 36.8          | 36.7 | 33.6 | 29.6 | 29.4 | 26.2 | 23.1 | 26.2 | 23.6 | 21.0 |      |      |      |      | 8.0             |
| 9.0             | 33.6          | 34.1 | 31.5 | 27.0 | 28.8 | 25.5 | 22.1 | 25.2 | 22.5 | 20.4 |      |      |      |      | 9.0             |
| 10.0            | 29.8          | 31.5 | 28.8 | 23.9 | 27.8 | 24.1 | 20.4 | 23.1 | 20.7 | 19.4 | 18.9 | 16.8 |      |      | 10.0            |
| 12.0            | 26.5          | 28.2 | 25.7 | 21.8 | 24.8 | 22.5 | 18.9 | 21.6 | 19.4 | 17.8 | 17.3 | 15.7 | 16.3 | 12.3 | 12.0            |
| 14.0            | 23.1          | 26.0 | 23.1 | 19.7 | 21.8 | 20.5 | 17.6 | 19.7 | 17.8 | 16.3 | 16.0 | 14.7 | 14.1 | 12.3 | 14.0            |
| 16.0            | 19.2          | 23.0 | 20.5 | 18.2 | 19.5 | 18.6 | 16.2 | 17.9 | 16.2 | 15.1 | 14.7 | 14.1 | 13.6 | 12.0 | 16.0            |
| 18.0            | 17.8          | 20.5 | 18.5 | 16.8 | 17.8 | 16.9 | 15.0 | 16.2 | 14.6 | 13.7 | 13.7 | 13.1 | 12.6 | 10.9 | 18.0            |
| 20.0            | 16.0          | 17.5 | 16.5 | 15.2 | 17.0 | 15.3 | 13.6 | 14.5 | 13.5 | 13.0 | 13.0 | 12.0 | 12.0 | 10.5 | 20.0            |
| 22.0            | 14.8          | 15.2 | 15.5 | 14.0 | 15.0 | 13.8 | 12.9 | 12.8 | 12.5 | 12.0 | 12.0 | 11.3 | 11.5 | 9.7  | 22.0            |
| 24.0            | 13.4          | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 12.1 | 11.8 | 11.4 | 10.9 | 11.6 | 10.6 | 11.0 | 9.0  | 24.0            |
| 26.0            | 12.1          | 11.2 | 11.5 | 12.0 | 11.2 | 11.8 | 11.3 | 11.1 | 10.4 | 10.5 | 11.0 | 9.9  | 10.5 | 8.2  | 26.0            |
| 28.0            | 10.5          | 9.7  | 10.0 | 10.8 | 9.7  | 10.3 | 10.3 | 10.0 | 10.0 | 9.3  | 10.0 | 9.3  | 10.0 | 7.7  | 28.0            |
| 30.0            | 9.3           | 8.4  | 8.8  | 9.5  | 8.4  | 9.0  | 9.8  | 8.6  | 9.0  | 8.8  | 9.0  | 8.7  | 9.2  | 7.2  | 30.0            |
| 32.0            |               | 7.3  | 7.7  | 8.2  | 7.4  | 7.8  | 8.7  | 7.6  | 8.2  | 8.0  | 7.9  | 8.3  | 8.3  | 6.9  | 32.0            |
| 34.0            |               | 6.3  | 6.6  | 7.4  | 6.3  | 6.9  | 7.8  | 6.5  | 7.3  | 7.5  | 7.0  | 7.6  | 7.4  | 6.5  | 34.0            |
| 36.0            |               | 5.3  | 5.6  | 6.4  | 5.5  | 6.0  | 6.9  | 5.7  | 6.4  | 6.9  | 6.1  | 6.9  | 6.6  | 5.9  | 36.0            |
| 38.0            |               |      |      |      | 4.8  | 5.2  | 6.0  | 5.0  | 5.7  | 6.2  | 5.3  | 6.1  | 5.7  | 5.6  | 38.0            |
| 40.0            |               |      |      |      | 4.0  | 4.5  | 5.4  | 4.3  | 5.0  | 5.6  | 4.6  | 5.4  | 5.1  | 5.1  | 40.0            |
| 42.0            |               |      |      |      |      |      |      | 3.6  | 4.2  | 5.0  | 4.0  | 4.9  | 4.5  | 4.6  | 42.0            |
| 44.0            |               |      |      |      |      |      |      | 3.0  | 3.6  | 4.4  | 3.5  | 4.3  | 3.9  | 4.0  | 44.0            |
| 46.0            |               |      |      |      |      |      |      |      |      |      | 3.0  | 3.8  | 3.4  | 3.5  | 46.0            |
| 48.0            |               |      |      |      |      |      |      |      |      |      | 2.6  | 3.4  | 3.0  | 3.1  | 48.0            |
| 50.0            |               |      |      |      |      |      |      |      |      |      |      |      | 2.5  | 2.7  | 50.0            |
| 52.0            |               |      |      |      |      |      |      |      |      |      |      |      | 2.0  | 2.3  | 52.0            |
| 54.0            |               |      |      |      |      |      |      |      |      |      |      |      |      | 2.0  | 54.0            |
| 56.0            |               |      |      |      |      |      |      |      |      |      |      |      |      | 1.6  | 56.0            |
| Number of lines | 5             | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 2    | 2    | 2    | 2    | 2    | Number of lines |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360°rotation is applied
- ④ Counterweight is 40T sliding counterweight

| Radius ( m )    | Main boom (m) |       |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 13.3          | 17.6  | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26   | 26   | 26   | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |                 |
| 3.0             | 130.0         | 110.0 | 91.0 | 68.0 |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             | 125.0         | 103.0 | 88.0 | 66.0 |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             | 116.0         | 99.0  | 85.0 | 65.0 | 90.0 | 68.0 | 49.0 | 77.0 | 57.5 | 46.0 |      |      |      |      |      | 4.0             |
| 4.5             | 108.0         | 93.0  | 82.0 | 63.0 | 88.0 | 65.0 | 47.0 | 73.0 | 55.0 | 44.0 | 63.0 | 57.7 | 45.0 |      |      | 4.5             |
| 5.0             | 99.0          | 88.0  | 76.0 | 61.0 | 78.0 | 63.0 | 45.0 | 69.0 | 52.5 | 42.0 | 57.7 | 52.5 | 43.0 | 52.5 | 47.1 | 5.0             |
| 6.0             | 86.0          | 80.0  | 70.5 | 55.5 | 71.0 | 57.5 | 40.0 | 62.5 | 48.0 | 39.5 | 56.0 | 49.2 | 40.3 | 47.2 | 45.1 | 6.0             |
| 7.0             | 72.0          | 73.0  | 66.0 | 48.0 | 65.0 | 52.5 | 37.0 | 58.0 | 43.0 | 37.0 | 53.0 | 47.1 | 36.7 | 45.0 | 43.0 | 7.0             |
| 8.0             | 62.0          | 62.0  | 58.5 | 43.0 | 59.5 | 47.0 | 34.0 | 52.0 | 40.0 | 34.0 | 48.8 | 45.1 | 33.6 | 42.4 | 39.7 | 8.0             |
| 9.0             | 54.0          | 53.0  | 51.0 | 40.5 | 52.5 | 42.0 | 31.5 | 48.0 | 35.0 | 32.0 | 45.7 | 42.0 | 30.6 | 39.2 | 36.5 | 9.0             |
| 10.0            | 47.0          | 47.0  | 46.0 | 36.3 | 47.0 | 38.0 | 29.0 | 45.0 | 32.0 | 29.2 | 41.0 | 38.5 | 28.2 | 37.4 | 33.5 | 10.0            |
| 12.0            |               | 40.4  | 41.0 | 34.2 | 40.0 | 33.0 | 25.5 | 39.0 | 29.5 | 26.0 | 36.0 | 31.5 | 26.4 | 33.0 | 29.3 | 12.0            |
| 14.0            |               | 31.2  | 32.0 | 32.0 | 30.5 | 28.0 | 23.0 | 31.3 | 26.2 | 23.5 | 31.5 | 28.5 | 23.2 | 28.2 | 26.0 | 14.0            |
| 16.0            |               |       |      |      | 24.3 | 25.7 | 21.0 | 24.5 | 23.0 | 21.0 | 25.0 | 25.5 | 21.7 | 25.2 | 21.4 | 16.0            |
| 18.0            |               |       |      |      | 19.7 | 21.4 | 19.5 | 20.7 | 21.0 | 18.3 | 21.2 | 21.9 | 19.5 | 20.7 | 18.6 | 18.0            |
| 20.0            |               |       |      |      |      |      |      | 17.3 | 17.8 | 17.0 | 17.5 | 18.4 | 17.8 | 18.0 | 17.0 | 20.0            |
| 22.0            |               |       |      |      |      |      |      | 14.5 | 15.0 | 16.2 | 14.8 | 15.5 | 16.7 | 15.0 | 16.0 | 22.0            |
| 24.0            |               |       |      |      |      |      |      |      |      |      | 12.5 | 13.2 | 14.6 | 12.8 | 14.0 | 24.0            |
| 26.0            |               |       |      |      |      |      |      |      |      |      | 10.6 | 11.3 | 12.8 | 11.0 | 12.2 | 26.0            |
| 28.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 9.4  | 10.6 | 28.0            |
| 30.0            |               |       |      |      |      |      |      |      |      |      |      |      |      | 8.1  | 9.3  | 30.0            |
| 32.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0            |
| 34.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0            |
| 36.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0            |
| 38.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0            |
| 40.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0            |
| 42.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0            |
| 44.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0            |
| 46.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0            |
| 48.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0            |
| 50.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0            |
| 52.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0            |
| 54.0            | 1.0           |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 54.0            |
| 56.0            |               |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 56.0            |
| Number of lines | 12            | 12    | 10   | 8.0  | 10   | 8    | 5    | 8    | 6    | 5    | 6    | 6    | 5    | 5    | 5    | Number of lines |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360°rotation is applied
- ④ Counterweight is 40T sliding counterweight

| Radius ( m )    | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m )    |
|-----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                 | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52   | 52   | 56.3 | 60   |                 |
| 3.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.0             |
| 3.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.5             |
| 4.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.0             |
| 4.5             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.5             |
| 5.0             | 44.0          |      |      |      |      |      |      |      |      |      |      |      |      |      | 5.0             |
| 6.0             | 42.5          | 39.9 | 36.5 | 34.0 |      |      |      |      |      |      |      |      |      |      | 6.0             |
| 7.0             | 40.3          | 38.3 | 35.1 | 31.5 | 29.9 | 26.7 | 24.6 |      |      |      |      |      |      |      | 7.0             |
| 8.0             | 36.8          | 36.7 | 33.6 | 29.6 | 29.4 | 26.2 | 23.1 | 26.2 | 23.6 | 21.0 |      |      |      |      | 8.0             |
| 9.0             | 33.6          | 34.1 | 31.5 | 27.0 | 28.8 | 25.5 | 22.1 | 25.2 | 22.5 | 20.4 |      |      |      |      | 9.0             |
| 10.0            | 29.8          | 31.5 | 28.8 | 23.9 | 27.8 | 24.1 | 20.4 | 23.1 | 20.7 | 19.4 | 18.9 | 16.8 |      |      | 10.0            |
| 12.0            | 26.5          | 28.2 | 25.7 | 21.8 | 24.8 | 22.5 | 18.9 | 21.6 | 19.4 | 17.8 | 17.3 | 15.7 | 16.3 | 12.3 | 12.0            |
| 14.0            | 23.1          | 26.0 | 23.1 | 19.7 | 21.8 | 20.5 | 17.6 | 19.7 | 17.8 | 16.3 | 16.0 | 14.7 | 14.1 | 12.3 | 14.0            |
| 16.0            | 19.2          | 23.0 | 20.5 | 18.2 | 19.5 | 18.6 | 16.2 | 17.9 | 16.2 | 15.1 | 14.7 | 14.1 | 13.6 | 12.0 | 16.0            |
| 18.0            | 17.8          | 20.5 | 18.5 | 16.8 | 17.8 | 16.9 | 15.0 | 16.2 | 14.6 | 13.7 | 13.7 | 13.1 | 12.6 | 10.9 | 18.0            |
| 20.0            | 16.0          | 17.5 | 16.5 | 15.2 | 17.3 | 15.3 | 13.6 | 14.5 | 13.5 | 13.0 | 13.0 | 12.0 | 12.0 | 10.5 | 20.0            |
| 22.0            | 14.8          | 15.8 | 16.0 | 14.0 | 15.4 | 13.8 | 12.9 | 13.8 | 12.5 | 12.0 | 12.0 | 11.3 | 11.5 | 9.7  | 22.0            |
| 24.0            | 13.4          | 13.6 | 14.0 | 13.0 | 13.5 | 13.3 | 12.1 | 13.0 | 11.4 | 10.9 | 11.6 | 10.6 | 11.0 | 9.0  | 24.0            |
| 26.0            | 12.5          | 11.7 | 12.1 | 12.7 | 11.7 | 12.4 | 11.3 | 11.8 | 10.4 | 10.5 | 11.0 | 9.9  | 10.5 | 8.2  | 26.0            |
| 28.0            | 11.0          | 10.3 | 10.6 | 11.2 | 10.2 | 10.8 | 10.3 | 10.5 | 10.0 | 9.3  | 10.7 | 9.3  | 10.2 | 7.7  | 28.0            |
| 30.0            | 9.7           | 8.9  | 9.3  | 10.0 | 8.9  | 9.6  | 9.8  | 9.2  | 9.7  | 8.8  | 9.6  | 8.7  | 9.5  | 7.2  | 30.0            |
| 32.0            |               | 7.8  | 8.1  | 8.8  | 7.8  | 8.4  | 9.2  | 8.0  | 8.8  | 8.0  | 8.4  | 8.3  | 8.8  | 6.9  | 32.0            |
| 34.0            |               | 6.8  | 7.1  | 7.8  | 6.8  | 7.4  | 8.2  | 7.0  | 7.8  | 7.7  | 7.4  | 8.0  | 7.8  | 6.5  | 34.0            |
| 36.0            |               | 5.8  | 6.3  | 7.0  | 5.9  | 6.6  | 7.4  | 6.2  | 6.9  | 7.3  | 6.5  | 7.4  | 7.0  | 6.2  | 36.0            |
| 38.0            |               |      |      |      | 5.2  | 5.8  | 6.6  | 5.4  | 6.1  | 6.7  | 5.8  | 6.6  | 6.2  | 5.9  | 38.0            |
| 40.0            |               |      |      |      | 4.5  | 5.1  | 5.9  | 4.7  | 5.4  | 6.0  | 5.1  | 5.9  | 5.5  | 5.4  | 40.0            |
| 42.0            |               |      |      |      |      |      |      | 4.1  | 4.8  | 5.4  | 4.5  | 5.3  | 5.0  | 5.0  | 42.0            |
| 44.0            |               |      |      |      |      |      |      | 3.6  | 4.2  | 4.9  | 4.0  | 4.7  | 4.4  | 4.5  | 44.0            |
| 46.0            |               |      |      |      |      |      |      |      |      |      | 3.5  | 4.2  | 3.9  | 4.0  | 46.0            |
| 48.0            |               |      |      |      |      |      |      |      |      |      | 3.0  | 3.8  | 3.4  | 3.5  | 48.0            |
| 50.0            |               |      |      |      |      |      |      |      |      |      |      |      | 3.0  | 3.1  | 50.0            |
| 52.0            |               |      |      |      |      |      |      |      |      |      |      |      | 2.6  | 2.7  | 52.0            |
| 54.0            |               |      |      |      |      |      |      |      |      |      |      |      |      | 2.3  | 54.0            |
| 56.0            |               |      |      |      |      |      |      |      |      |      |      |      |      | 2.0  | 56.0            |
| Number of lines | 5             | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 2    | 2    | 2    | 2    | 2    | Number of lines |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions (fully extended boom length), min. length is 13.3m and max. length is 60m
- ② The span of outriggers is 8.5m×5.3m
- ③ Side and rear are applied
- ④ Counterweight is 0T

| Radius ( m )     | Main boom (m) |       |       |       |       |       |       |       |       |       |       |       |       |       |       | Radius ( m ) |
|------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
|                  | 13.3          | 17.6  | 17.6  | 17.6  | 21.9  | 21.9  | 21.9  | 26.0  | 26.0  | 26.0  | 30.5  | 30.5  | 30.5  | 34.8  | 34.8  |              |
| 3.0              | 90.00         | 80    | 70.00 | 62.00 |       |       |       |       |       |       |       |       |       |       |       | 3.0          |
| 3.5              | 80.00         | 70    | 70    | 62    |       |       |       |       |       |       |       |       |       |       |       | 3.5          |
| 4.0              | 65.00         | 65    | 65    | 62.00 | 60    | 60    | 57.5  | 62    | 58    | 55.7  |       |       |       |       |       | 4.0          |
| 4.5              | 47.71         | 37.47 | 39.20 | 39.87 | 38.00 | 39.39 | 41.61 | 38.88 | 37.72 | 41.89 | 38.51 | 39.89 | 39.00 |       |       | 4.5          |
| 5.0              | 36.58         | 28.66 | 30.16 | 30.73 | 29.13 | 30.32 | 32.24 | 29.88 | 28.88 | 32.48 | 29.56 | 30.75 | 32.27 | 30.37 | 31.69 | 5.0          |
| 6.0              | 28.00         | 18.82 | 20.05 | 20.53 | 19.21 | 20.19 | 21.76 | 19.83 | 19.01 | 21.96 | 19.57 | 20.54 | 21.79 | 20.22 | 21.31 | 6.0          |
| 7.0              | 20.00         | 13.46 | 14.54 | 14.96 | 13.79 | 14.66 | 16.05 | 14.34 | 13.62 | 16.22 | 14.11 | 14.97 | 16.07 | 14.69 | 15.65 | 7.0          |
| 8.0              | 15.00         | 10.07 | 11.07 | 11.45 | 10.39 | 11.18 | 12.45 | 10.89 | 10.22 | 12.61 | 10.68 | 11.46 | 12.47 | 11.21 | 12.09 | 8.0          |
| 9.0              | 11.00         | 7.75  | 8.68  | 9.04  | 8.04  | 8.79  | 9.98  | 8.51  | 7.89  | 10.13 | 8.32  | 9.05  | 10.00 | 8.81  | 9.64  | 9.0          |
| 10.0             | 9.00          | 6.05  | 6.94  | 7.28  | 6.33  | 7.04  | 8.18  | 6.78  | 6.19  | 8.32  | 6.59  | 7.29  | 8.19  | 7.07  | 7.85  | 10.0         |
| 12.0             |               | 3.73  | 4.57  | 4.89  | 4.00  | 4.66  | 5.72  | 4.42  | 3.87  | 5.85  | 4.24  | 4.90  | 5.73  | 4.68  | 5.41  | 12.0         |
| 14.0             |               | 1.85  | 2.52  | 2.77  | 2.07  | 2.60  | 3.44  | 2.40  | 1.97  | 3.54  | 2.27  | 2.78  | 3.45  | 2.62  | 3.19  | 14.0         |
| 16.0             |               |       |       |       | 1.18  | 1.69  | 2.51  | 1.51  | 1.09  | 2.60  | 1.38  | 1.88  | 2.51  | 1.71  | 2.27  | 16.0         |
| 18.0             |               |       |       |       |       |       | 1.82  |       |       | 1.91  |       | 1.20  | 1.82  | 1.04  | 1.59  | 18.0         |
| 20.0             |               |       |       |       |       |       |       |       |       | 1.38  |       |       | 1.29  |       | 1.06  | 20.0         |
| 22.0             |               |       |       |       |       |       |       |       |       | 1.55  |       |       | 1.34  |       |       | 22.0         |
| 24.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 24.0         |
| 26.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 26.0         |
| 28.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 28.0         |
| 30.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 30.0         |
| 32.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 32.0         |
| 34.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 34.0         |
| 36.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 36.0         |
| 38.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 38.0         |
| 40.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 40.0         |
| 42.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 42.0         |
| 44.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 44.0         |
| 46.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 46.0         |
| 48.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 48.0         |
| 50.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 50.0         |
| 52.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 52.0         |
| 54.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 54.0         |
| 56.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 56.0         |
| Telescoping mode |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |              |
| II               | 0.00          | 46.00 | 0.00  | 0.00  | 46.00 | 0.00  | 0.00  | 46.00 | 92.00 | 0.00  | 46.00 | 92.00 | 0.00  | 92.00 | 46.00 | II           |
| III              | 0.00          | 0.00  | 0.00  | 0.00  | 46.00 | 46.00 | 0.00  | 46.00 | 46.00 | 0.00  | 46.00 | 46.00 | 46.00 | 46.00 | 46.00 | III          |
| IV               | 0.00          | 0.00  | 46.00 | 0.00  | 0.00  | 46.00 | 0.00  | 46.00 | 0.00  | 46.00 | 46.00 | 46.00 | 46.00 | 46.00 | 46.00 | IV           |
| V                | 0.00          | 0.00  | 0.00  | 46.00 | 0.00  | 0.00  | 46.00 | 0.00  | 0.00  | 46.00 | 46.00 | 0.00  | 46.00 | 46.00 | 46.00 | V            |
| VI               | 0.00          | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 46.00 | 0.00  | 0.00  | 46.00 | 0.00  | 0.00  | 46.00 | 0.00  | 46.00 | VI           |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 8.5m×5.3m
- ③ Side and rear are applied
- ④ Counterweight is 0T

| Radius ( m )     | Main boom (m) |       |       |       |       |       |       |       |       |       |       |       |       |        | Radius ( m ) |
|------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------------|
|                  | 34.8          | 39.1  | 39.1  | 39.1  | 43.4  | 43.4  | 43.4  | 47.7  | 47.7  | 47.7  | 52.0  | 52.0  | 56.3  | 60.0   |              |
| 3.0              |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 3.0          |
| 3.5              |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 3.5          |
| 4.0              |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 4.0          |
| 4.5              |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 4.5          |
| 5.0              | 32.11         |       |       |       |       |       |       |       |       |       |       |       |       |        | 5.0          |
| 6.0              | 21.66         | 20.95 | 21.25 | 21.92 |       |       |       |       |       |       |       |       |       |        | 6.0          |
| 7.0              | 15.95         | 15.33 | 15.60 | 16.18 |       |       |       |       |       |       |       |       |       |        | 7.0          |
| 8.0              | 12.36         | 11.79 | 12.04 | 12.57 | 11.77 | 12.17 | 12.81 |       |       |       |       |       |       |        | 8.0          |
| 9.0              | 9.90          | 9.36  | 9.59  | 10.09 | 9.34  | 9.72  | 10.31 | 9.48  | 9.95  | 10.36 |       |       |       |        | 9.0          |
| 10.0             | 8.10          | 7.58  | 7.80  | 8.28  | 7.57  | 7.92  | 8.49  | 7.70  | 8.15  | 8.54  | 7.92  | 8.45  | 8.22  | 8.26   | 10.0         |
| 12.0             | 5.64          | 5.17  | 5.37  | 5.82  | 5.15  | 5.48  | 6.01  | 5.28  | 5.69  | 6.06  | 5.48  | 5.97  | 5.76  | 5.79   | 12.0         |
| 14.0             | 3.38          | 3.00  | 3.16  | 3.51  | 2.99  | 3.25  | 3.67  | 3.08  | 3.41  | 3.70  | 3.25  | 3.64  | 3.47  | 3.49   | 14.0         |
| 16.0             | 2.45          | 2.08  | 2.24  | 2.58  | 2.07  | 2.32  | 2.73  | 2.16  | 2.48  | 2.76  | 2.32  | 2.70  | 2.53  | 2.56   | 16.0         |
| 18.0             | 1.76          | 1.40  | 1.55  | 1.89  | 1.39  | 1.64  | 2.03  | 1.48  | 1.79  | 2.06  | 1.64  | 2.00  | 1.84  | 1.87   | 18.0         |
| 20.0             | 1.23          |       | 1.03  | 1.35  |       | 1.11  | 1.49  |       | 1.26  | 1.53  | 1.11  | 1.46  | 1.31  | 1.33   | 20.0         |
| 22.0             | 1.24          |       |       |       |       |       | 1.07  |       |       | 1.10  |       | 1.04  |       |        | 22.0         |
| 24.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 24.0         |
| 26.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 26.0         |
| 28.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 28.0         |
| 30.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 30.0         |
| 32.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 32.0         |
| 34.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 34.0         |
| 36.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 36.0         |
| 38.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 38.0         |
| 40.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 40.0         |
| 42.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 42.0         |
| 44.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 44.0         |
| 46.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 46.0         |
| 48.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 48.0         |
| 50.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 50.0         |
| 52.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 52.0         |
| 54.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 54.0         |
| 56.0             |               |       |       |       |       |       |       |       |       |       |       |       |       |        | 56.0         |
| Telescoping mode |               |       |       |       |       |       |       |       |       |       |       |       |       |        |              |
| II               | 0.00          | 92.00 | 46.00 | 46.00 | 92.00 | 46.00 | 46.00 | 92.00 | 46.00 | 46.00 | 92.00 | 46.00 | 92.00 | 100.00 | II           |
| III              | 92.00         | 46.00 | 92.00 | 46.00 | 92.00 | 92.00 | 46.00 | 92.00 | 92.00 | 46.00 | 92.00 | 92.00 | 92.00 | 100.00 | III          |
| IV               | 46.00         | 46.00 | 46.00 | 46.00 | 46.00 | 92.00 | 46.00 | 92.00 | 92.00 | 92.00 | 92.00 | 92.00 | 92.00 | 100.00 | IV           |
| V                | 46.00         | 46.00 | 46.00 | 46.00 | 46.00 | 46.00 | 92.00 | 46.00 | 92.00 | 92.00 | 92.00 | 92.00 | 92.00 | 100.00 | V            |
| VI               | 46.00         | 46.00 | 46.00 | 92.00 | 46.00 | 46.00 | 92.00 | 46.00 | 46.00 | 92.00 | 46.00 | 92.00 | 92.00 | 100.00 | VI           |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions (fully extended boom length), min. length is 13.3m and max. length is 60m
- ② The span of outriggers is 8.5m×5.3m
- ③ Side and rear are applied
- ④ Counterweight is 12T

| Radius ( m )     | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m ) |
|------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------|
|                  | 13.3          | 17.6 | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26.0 | 26.0 | 26.0 | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |              |
| 3.0              | 100.0         | 88.0 | 72.8 | 54.4 |      |      |      |      |      |      |      |      |      |      |      | 3.0          |
| 3.5              | 100.0         | 82.4 | 68.8 | 52.8 |      |      |      |      |      |      |      |      |      |      |      | 3.5          |
| 4.0              | 92.8          | 79.2 | 68.0 | 52.0 | 72.0 | 54.4 | 39.2 | 61.6 | 46.0 | 36.8 |      |      |      |      |      | 4.0          |
| 4.5              | 73.6          | 74.4 | 65.6 | 50.4 | 70.4 | 52.0 | 37.6 | 58.4 | 43.6 | 35.2 | 50.4 | 46.2 | 36.0 |      |      | 4.5          |
| 5.0              | 56.8          | 57.5 | 58.7 | 48.8 | 57.0 | 50.4 | 36.0 | 55.2 | 42.0 | 33.6 | 46.2 | 42.0 | 34.4 | 42.0 | 37.7 | 5.0          |
| 6.0              | 37.9          | 38.5 | 39.5 | 40.1 | 38.1 | 39.8 | 32.0 | 39.2 | 38.4 | 31.6 | 39.4 | 39.4 | 32.2 | 37.8 | 36.1 | 6.0          |
| 7.0              | 27.6          | 28.1 | 29.0 | 29.6 | 27.8 | 29.3 | 29.6 | 28.8 | 29.4 | 29.6 | 29.0 | 29.8 | 29.4 | 29.4 | 30.8 | 7.0          |
| 8.0              | 20.9          | 21.6 | 22.4 | 23.0 | 21.3 | 22.7 | 24.5 | 22.2 | 22.8 | 24.9 | 22.4 | 23.2 | 24.7 | 22.7 | 24.1 | 8.0          |
| 9.0              | 16.4          | 17.1 | 17.9 | 18.4 | 16.8 | 18.1 | 19.9 | 17.7 | 18.3 | 20.2 | 17.9 | 18.6 | 20.0 | 18.2 | 19.5 | 9.0          |
| 10.0             | 13.2          | 13.9 | 14.6 | 15.1 | 13.6 | 14.8 | 16.5 | 14.4 | 14.9 | 16.8 | 14.6 | 15.2 | 16.6 | 14.9 | 16.1 | 10.0         |
| 12.0             |               | 9.4  | 10.1 | 10.5 | 9.1  | 10.3 | 11.8 | 9.9  | 10.4 | 12.2 | 10.1 | 10.7 | 12.0 | 10.4 | 11.5 | 12.0         |
| 14.0             |               | 6.5  | 7.1  | 7.5  | 6.2  | 7.3  | 8.8  | 7.0  | 7.5  | 9.1  | 7.1  | 7.8  | 9.0  | 7.4  | 8.5  | 14.0         |
| 16.0             |               |      |      |      | 4.2  | 5.3  | 6.7  | 5.0  | 5.4  | 7.0  | 5.1  | 5.7  | 6.9  | 5.4  | 6.4  | 16.0         |
| 18.0             |               |      |      |      | 2.7  | 3.7  | 5.2  | 3.4  | 3.9  | 5.5  | 3.6  | 4.1  | 5.3  | 3.8  | 4.9  | 18.0         |
| 20.0             |               |      |      |      |      |      |      | 2.2  | 2.7  | 4.2  | 2.4  | 3.0  | 4.1  | 2.7  | 3.7  | 20.0         |
| 22.0             |               |      |      |      |      |      |      | 1.3  | 1.7  | 3.3  | 1.5  | 2.0  | 3.1  | 1.7  | 2.7  | 22.0         |
| 24.0             |               |      |      |      |      |      |      |      |      |      |      | 1.3  | 2.4  | 1.0  | 1.9  | 24.0         |
| 26.0             |               |      |      |      |      |      |      |      |      |      |      |      | 1.7  |      | 1.3  | 26.0         |
| 28.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 28.0         |
| 30.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 30.0         |
| 32.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0         |
| 34.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0         |
| 36.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0         |
| 38.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0         |
| 40.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0         |
| 42.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0         |
| 44.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0         |
| 46.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0         |
| 48.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0         |
| 50.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0         |
| 52.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0         |
| 54.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 54.0         |
| 56.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 56.0         |
| Telescoping mode |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |              |
| II               | 0.0           | 0.0  | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 46.0 | 0.0  | 92.0 | 46.0 | II           |
| III              | 0.0           | 46.0 | 0.0  | 0.0  | 46.0 | 46.0 | 0.0  | 46.0 | 92.0 | 0.0  | 92.0 | 46.0 | 46.0 | 46.0 | 46.0 | III          |
| IV               | 0.0           | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | IV           |
| V                | 0.0           | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | 46.0 | 46.0 | 46.0 | V            |
| VI               | 0.0           | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | VI           |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 8.5m×5.3m
- ③ Side and rear are applied
- ④ Counterweight is 12T

| Radius ( m )     | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |       | Radius ( m ) |
|------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------------|
|                  | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52.0 | 52.0 | 56.3 | 60.0  |              |
| 3.0              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 3.0          |
| 3.5              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 3.5          |
| 4.0              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 4.0          |
| 4.5              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 4.5          |
| 5.0              | 35.2          |      |      |      |      |      |      |      |      |      |      |      |      |       | 5.0          |
| 6.0              | 34.0          | 31.9 | 29.2 | 27.2 |      |      |      |      |      |      |      |      |      |       | 6.0          |
| 7.0              | 31.3          | 30.3 | 28.1 | 25.2 | 23.9 | 21.4 | 19.7 |      |      |      |      |      |      |       | 7.0          |
| 8.0              | 24.6          | 23.6 | 24.0 | 23.7 | 23.5 | 21.0 | 18.5 | 21.0 | 18.9 | 16.8 |      |      |      |       | 8.0          |
| 9.0              | 19.9          | 19.0 | 19.4 | 20.2 | 19.0 | 19.7 | 17.7 | 19.3 | 18.0 | 16.3 |      |      |      |       | 9.0          |
| 10.0             | 16.5          | 15.7 | 16.0 | 16.8 | 15.7 | 16.3 | 16.3 | 15.9 | 16.6 | 15.5 | 15.1 | 13.4 |      |       | 10.0         |
| 12.0             | 11.9          | 11.1 | 11.4 | 12.1 | 11.1 | 11.7 | 12.5 | 11.3 | 12.0 | 12.6 | 11.7 | 12.4 | 12.1 | 9.8   | 12.0         |
| 14.0             | 8.9           | 8.1  | 8.5  | 9.1  | 8.1  | 8.7  | 9.4  | 8.4  | 9.0  | 9.5  | 8.7  | 9.4  | 9.1  | 9.1   | 14.0         |
| 16.0             | 6.8           | 6.1  | 6.4  | 7.0  | 6.1  | 6.6  | 7.3  | 6.3  | 6.9  | 7.4  | 6.6  | 7.3  | 7.0  | 7.0   | 16.0         |
| 18.0             | 5.2           | 4.5  | 4.8  | 5.4  | 4.5  | 5.0  | 5.7  | 4.7  | 5.3  | 5.8  | 5.0  | 5.7  | 5.4  | 5.5   | 18.0         |
| 20.0             | 4.0           | 3.3  | 3.6  | 4.2  | 3.3  | 3.8  | 4.5  | 3.5  | 4.1  | 4.6  | 3.8  | 4.5  | 4.2  | 4.3   | 20.0         |
| 22.0             | 3.0           | 2.4  | 2.7  | 3.3  | 2.4  | 2.9  | 3.5  | 2.6  | 3.2  | 3.6  | 2.9  | 3.5  | 3.2  | 3.3   | 22.0         |
| 24.0             | 2.3           | 1.6  | 1.9  | 2.5  | 1.6  | 2.1  | 2.8  | 1.8  | 2.4  | 2.9  | 2.1  | 2.8  | 2.5  | 2.5   | 24.0         |
| 26.0             | 1.6           | 1.0  | 1.3  | 1.8  | 1.0  | 1.5  | 2.1  | 1.2  | 1.8  | 2.2  | 1.5  | 2.1  | 1.8  | 1.9   | 26.0         |
| 28.0             | 1.1           |      |      | 1.3  |      |      | 1.6  |      | 1.2  | 1.7  |      | 1.6  | 1.3  | 1.3   | 28.0         |
| 30.0             |               |      |      |      |      |      | 1.1  |      |      | 1.2  |      | 1.1  |      |       | 30.0         |
| 32.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 32.0         |
| 34.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 34.0         |
| 36.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 36.0         |
| 38.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 38.0         |
| 40.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 40.0         |
| 42.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 42.0         |
| 44.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 44.0         |
| 46.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 46.0         |
| 48.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 48.0         |
| 50.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 50.0         |
| 52.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 52.0         |
| 54.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 54.0         |
| 56.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 56.0         |
| Telescoping mode |               |      |      |      |      |      |      |      |      |      |      |      |      |       |              |
| II               | 0.0           | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 100.0 | II           |
| III              | 92.0          | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 46.0 | 92.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 100.0 | III          |
| IV               | 46.0          | 46.0 | 46.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 100.0 | IV           |
| V                | 46.0          | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 100.0 | V            |
| VI               | 46.0          | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 100.0 | VI           |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 8.5m×5.3m
- ③ Side and rear are applied
- ④ Counterweight is 20T

| Radius ( m )     | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m ) |
|------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------|
|                  | 13.3          | 17.6 | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26.0 | 26.0 | 26.0 | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |              |
| 3.0              | 100.0         | 88.0 | 72.8 | 54.4 |      |      |      |      |      |      |      |      |      |      |      | 3.0          |
| 3.5              | 100.0         | 82.4 | 70.4 | 52.8 |      |      |      |      |      |      |      |      |      |      |      | 3.5          |
| 4.0              | 92.8          | 79.2 | 68.0 | 52.0 | 72.0 | 54.4 | 39.2 | 61.6 | 46.0 | 36.8 |      |      |      |      |      | 4.0          |
| 4.5              | 86.4          | 74.4 | 65.6 | 50.4 | 70.4 | 52.0 | 37.6 | 58.4 | 44.0 | 35.2 | 50.4 | 46.2 | 36.0 |      |      | 4.5          |
| 5.0              | 79.2          | 70.4 | 60.8 | 48.8 | 62.4 | 50.4 | 36.0 | 55.2 | 42.0 | 33.6 | 46.2 | 42.0 | 34.4 | 42.0 | 37.7 | 5.0          |
| 6.0              | 56.1          | 56.3 | 56.4 | 44.4 | 56.8 | 46.0 | 32.0 | 50.0 | 38.4 | 31.6 | 44.8 | 39.4 | 32.2 | 37.8 | 36.1 | 6.0          |
| 7.0              | 37.9          | 38.3 | 39.1 | 38.4 | 38.0 | 42.0 | 29.6 | 38.9 | 34.4 | 29.6 | 42.4 | 37.7 | 29.4 | 36.0 | 34.4 | 7.0          |
| 8.0              | 27.9          | 28.3 | 29.0 | 34.4 | 28.0 | 29.2 | 27.2 | 28.8 | 32.0 | 27.2 | 29.0 | 36.1 | 26.9 | 33.9 | 31.8 | 8.0          |
| 9.0              | 21.4          | 22.0 | 22.7 | 23.1 | 21.8 | 22.9 | 25.2 | 22.5 | 28.0 | 25.6 | 22.7 | 23.3 | 24.5 | 22.9 | 29.2 | 9.0          |
| 10.0             | 17.1          | 17.7 | 18.3 | 18.7 | 17.5 | 18.5 | 23.2 | 18.2 | 18.6 | 23.4 | 18.3 | 18.9 | 22.6 | 18.6 | 19.6 | 10.0         |
| 12.0             |               | 14.6 | 15.1 | 15.5 | 14.3 | 15.3 | 16.6 | 15.0 | 15.4 | 16.9 | 15.1 | 15.7 | 16.8 | 15.4 | 16.3 | 12.0         |
| 14.0             |               | 10.2 | 10.8 | 11.1 | 10.0 | 10.9 | 12.2 | 10.6 | 11.1 | 12.5 | 10.8 | 11.3 | 12.3 | 11.0 | 11.9 | 14.0         |
| 16.0             |               |      |      |      | 7.2  | 8.1  | 9.3  | 7.8  | 8.2  | 9.6  | 8.0  | 8.4  | 9.4  | 8.2  | 9.1  | 16.0         |
| 18.0             |               |      |      |      | 5.3  | 6.1  | 7.3  | 5.9  | 6.3  | 7.5  | 6.0  | 6.5  | 7.4  | 6.2  | 7.0  | 18.0         |
| 20.0             |               |      |      |      |      |      |      | 4.4  | 4.8  | 6.0  | 4.5  | 5.0  | 5.9  | 4.7  | 5.6  | 20.0         |
| 22.0             |               |      |      |      |      |      |      | 3.3  | 3.6  | 4.9  | 3.4  | 3.8  | 4.8  | 3.6  | 4.4  | 22.0         |
| 24.0             |               |      |      |      |      |      |      |      |      |      | 2.5  | 2.9  | 3.8  | 2.7  | 3.5  | 24.0         |
| 26.0             |               |      |      |      |      |      |      |      |      |      | 1.8  | 2.2  | 3.1  | 2.0  | 2.8  | 26.0         |
| 28.0             |               |      |      |      |      |      |      |      |      |      |      |      |      | 1.4  | 2.1  | 28.0         |
| 30.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      | 1.6  | 30.0         |
| 32.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0         |
| 34.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0         |
| 36.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0         |
| 38.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0         |
| 40.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0         |
| 42.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0         |
| 44.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0         |
| 46.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0         |
| 48.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0         |
| 50.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0         |
| 52.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0         |
| 54.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 54.0         |
| 56.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 56.0         |
| Telescoping mode |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |              |
| II               | 0.0           | 0.0  | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 46.0 | 0.0  | 92.0 | 46.0 | II           |
| III              | 0.0           | 46.0 | 0.0  | 0.0  | 46.0 | 46.0 | 0.0  | 46.0 | 92.0 | 0.0  | 92.0 | 46.0 | 46.0 | 46.0 | 46.0 | III          |
| IV               | 0.0           | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | IV           |
| V                | 0.0           | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | 46.0 | 46.0 | 46.0 | V            |
| VI               | 0.0           | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | VI           |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 8.5m×5.3m
- ③ Side and rear are applied
- ④ Counterweight is 20T

| Radius ( m )     | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |       | Radius ( m ) |
|------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------------|
|                  | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52.0 | 52.0 | 56.3 | 60.0  |              |
| 3.0              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 3.0          |
| 3.5              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 3.5          |
| 4.0              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 4.0          |
| 4.5              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 4.5          |
| 5.0              | 35.2          |      |      |      |      |      |      |      |      |      |      |      |      |       | 5.0          |
| 6.0              | 34.0          | 31.9 | 29.2 | 27.2 |      |      |      |      |      |      |      |      |      |       | 6.0          |
| 7.0              | 32.2          | 30.6 | 28.1 | 25.2 | 23.9 | 21.4 | 19.7 |      |      |      |      |      |      |       | 7.0          |
| 8.0              | 29.4          | 29.4 | 26.9 | 23.7 | 23.5 | 21.0 | 18.5 | 21.0 | 18.9 | 16.8 |      |      |      |       | 8.0          |
| 9.0              | 26.9          | 27.3 | 25.2 | 21.6 | 23.0 | 20.4 | 17.7 | 20.2 | 18.0 | 16.3 |      |      |      |       | 9.0          |
| 10.0             | 23.8          | 19.2 | 23.0 | 19.1 | 22.2 | 19.3 | 16.3 | 18.5 | 16.6 | 15.5 | 15.1 | 13.4 |      |       | 10.0         |
| 12.0             | 16.7          | 16.0 | 16.3 | 17.4 | 16.0 | 18.0 | 15.1 | 17.3 | 15.5 | 14.2 | 13.8 | 12.6 | 13.0 | 9.8   | 12.0         |
| 14.0             | 12.2          | 11.6 | 11.9 | 12.4 | 11.6 | 12.1 | 14.1 | 11.8 | 14.2 | 13.0 | 12.8 | 11.8 | 11.3 | 9.8   | 14.0         |
| 16.0             | 9.3           | 8.8  | 9.0  | 9.5  | 8.8  | 9.2  | 9.8  | 8.9  | 9.5  | 12.1 | 9.2  | 11.3 | 10.9 | 9.6   | 16.0         |
| 18.0             | 7.3           | 6.8  | 7.0  | 7.5  | 6.8  | 7.2  | 7.7  | 6.9  | 7.4  | 7.8  | 7.2  | 7.7  | 7.5  | 8.7   | 18.0         |
| 20.0             | 5.8           | 5.3  | 5.5  | 6.0  | 5.3  | 5.7  | 6.2  | 5.4  | 5.9  | 6.3  | 5.7  | 6.2  | 6.0  | 6.0   | 20.0         |
| 22.0             | 4.7           | 4.1  | 4.4  | 4.8  | 4.1  | 4.5  | 5.1  | 4.3  | 4.8  | 5.2  | 4.5  | 5.1  | 4.8  | 4.9   | 22.0         |
| 24.0             | 3.8           | 3.2  | 3.5  | 3.9  | 3.2  | 3.6  | 4.2  | 3.4  | 3.9  | 4.2  | 3.6  | 4.2  | 3.9  | 4.0   | 24.0         |
| 26.0             | 3.0           | 2.5  | 2.7  | 3.2  | 2.5  | 2.9  | 3.4  | 2.6  | 3.1  | 3.5  | 2.9  | 3.4  | 3.2  | 3.2   | 26.0         |
| 28.0             | 2.4           | 1.9  | 2.1  | 2.6  | 1.9  | 2.3  | 2.8  | 2.0  | 2.5  | 2.9  | 2.3  | 2.8  | 2.5  | 2.6   | 28.0         |
| 30.0             | 1.9           | 1.4  | 1.6  | 2.0  | 1.4  | 1.7  | 2.3  | 1.5  | 2.0  | 2.3  | 1.8  | 2.3  | 2.0  | 2.1   | 30.0         |
| 32.0             |               |      | 1.1  | 1.6  |      | 1.3  | 1.8  |      | 1.5  | 1.9  | 1.3  | 1.8  | 1.6  | 1.6   | 32.0         |
| 34.0             |               |      |      | 1.2  |      |      | 1.4  |      | 1.1  | 1.5  |      | 1.4  | 1.2  | 1.2   | 34.0         |
| 36.0             |               |      |      |      |      |      | 1.1  |      |      | 1.2  |      | 1.1  |      |       | 36.0         |
| 38.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 38.0         |
| 40.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 40.0         |
| 42.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 42.0         |
| 44.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 44.0         |
| 46.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 46.0         |
| 48.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 48.0         |
| 50.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 50.0         |
| 52.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 52.0         |
| 54.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 54.0         |
| 56.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 56.0         |
| Telescoping mode |               |      |      |      |      |      |      |      |      |      |      |      |      |       |              |
| II               | 0.0           | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 100.0 | II           |
| III              | 92.0          | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 46.0 | 92.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 100.0 | III          |
| IV               | 46.0          | 46.0 | 46.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 100.0 | IV           |
| V                | 46.0          | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 100.0 | V            |
| VI               | 46.0          | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 100.0 | VI           |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions (fully extended boom length), min. length is 13.3m and max. length is 60m
- ② The span of outriggers is 8.5m×5.3m
- ③ Side and rear are applied
- ④ Counterweight is 27T

| Radius ( m )     | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m ) |
|------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------|
|                  | 13.3          | 17.6 | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26.0 | 26.0 | 26.0 | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |              |
| 3.0              | 100.0         | 88.0 | 72.8 | 54.4 |      |      |      |      |      |      |      |      |      |      |      | 3.0          |
| 3.5              | 100.0         | 82.4 | 70.4 | 52.8 |      |      |      |      |      |      |      |      |      |      |      | 3.5          |
| 4.0              | 92.8          | 79.2 | 68.0 | 52.0 | 72.0 | 54.4 | 39.2 | 61.6 | 46.0 | 36.8 |      |      |      |      |      | 4.0          |
| 4.5              | 86.4          | 74.4 | 65.6 | 50.4 | 70.4 | 52.0 | 37.6 | 58.4 | 44.0 | 35.2 | 50.4 | 46.2 | 36.0 |      |      | 4.5          |
| 5.0              | 79.2          | 70.4 | 60.8 | 48.8 | 62.4 | 50.4 | 36.0 | 55.2 | 42.0 | 33.6 | 46.2 | 42.0 | 34.4 | 42.0 | 37.7 | 5.0          |
| 6.0              | 55.6          | 56.1 | 56.4 | 44.4 | 55.7 | 46.0 | 32.0 | 50.0 | 38.4 | 31.6 | 44.8 | 39.4 | 32.2 | 37.8 | 36.1 | 6.0          |
| 7.0              | 41.2          | 41.8 | 42.7 | 38.4 | 41.4 | 42.0 | 29.6 | 42.4 | 34.4 | 29.6 | 42.4 | 37.7 | 29.4 | 36.0 | 34.4 | 7.0          |
| 8.0              | 32.0          | 32.7 | 33.5 | 34.1 | 32.4 | 33.8 | 27.2 | 33.3 | 32.0 | 27.2 | 33.5 | 34.3 | 26.9 | 33.9 | 31.8 | 8.0          |
| 9.0              | 25.8          | 26.5 | 27.3 | 27.8 | 26.2 | 27.5 | 25.2 | 27.1 | 27.6 | 25.6 | 27.2 | 28.0 | 24.5 | 27.6 | 28.9 | 9.0          |
| 10.0             | 21.3          | 22.0 | 22.7 | 23.2 | 21.7 | 22.9 | 23.2 | 22.5 | 23.0 | 23.4 | 22.7 | 23.4 | 22.6 | 23.0 | 24.2 | 10.0         |
| 12.0             |               | 15.8 | 16.4 | 16.9 | 15.5 | 16.7 | 18.2 | 16.3 | 16.8 | 18.5 | 16.5 | 17.1 | 18.4 | 16.7 | 17.9 | 12.0         |
| 14.0             |               | 11.7 | 12.4 | 12.8 | 11.5 | 12.6 | 14.1 | 12.2 | 12.7 | 14.4 | 12.4 | 13.0 | 14.3 | 12.7 | 13.8 | 14.0         |
| 16.0             |               |      |      |      | 8.7  | 9.7  | 11.2 | 9.4  | 9.9  | 11.5 | 9.6  | 10.2 | 11.4 | 9.8  | 10.9 | 16.0         |
| 18.0             |               |      |      |      | 6.6  | 7.6  | 9.1  | 7.3  | 7.8  | 9.3  | 7.5  | 8.0  | 9.2  | 7.7  | 8.8  | 18.0         |
| 20.0             |               |      |      |      |      |      |      | 5.7  | 6.1  | 7.7  | 5.8  | 6.4  | 7.6  | 6.1  | 7.1  | 20.0         |
| 22.0             |               |      |      |      |      |      |      | 4.4  | 4.8  | 6.4  | 4.6  | 5.1  | 6.2  | 4.8  | 5.8  | 22.0         |
| 24.0             |               |      |      |      |      |      |      |      |      |      | 3.5  | 4.1  | 5.2  | 3.8  | 4.7  | 24.0         |
| 26.0             |               |      |      |      |      |      |      |      |      |      | 2.6  | 3.2  | 4.3  | 2.9  | 3.9  | 26.0         |
| 28.0             |               |      |      |      |      |      |      |      |      |      |      |      |      | 2.2  | 3.1  | 28.0         |
| 30.0             |               |      |      |      |      |      |      |      |      |      |      |      |      | 1.5  | 2.5  | 30.0         |
| 32.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0         |
| 34.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0         |
| 36.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0         |
| 38.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0         |
| 40.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0         |
| 42.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0         |
| 44.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0         |
| 46.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0         |
| 48.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0         |
| 50.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0         |
| 52.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0         |
| 54.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 54.0         |
| 56.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 56.0         |
| Telescoping mode |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |              |
| II               | 0.0           | 0.0  | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 46.0 | 0.0  | 92.0 | 46.0 | II           |
| III              | 0.0           | 46.0 | 0.0  | 0.0  | 46.0 | 46.0 | 0.0  | 46.0 | 92.0 | 0.0  | 92.0 | 46.0 | 46.0 | 46.0 | 46.0 | III          |
| IV               | 0.0           | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | IV           |
| V                | 0.0           | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | 46.0 | 46.0 | 46.0 | V            |
| VI               | 0.0           | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | VI           |

**Prerequisites:**

- ① Boom operating conditions (fully extended boom length), min. length is 13.3m and max. length is 60m
- ② The span of outriggers is 8.5m×5.3m
- ③ Side and rear are applied
- ④ Counterweight is 27T

| Radius ( m )     | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |       | Radius ( m ) |
|------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------------|
|                  | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52.0 | 52.0 | 56.3 | 60.0  |              |
| 3.0              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 3.0          |
| 3.5              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 3.5          |
| 4.0              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 4.0          |
| 4.5              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 4.5          |
| 5.0              | 35.2          |      |      |      |      |      |      |      |      |      |      |      |      |       | 5.0          |
| 6.0              | 34.0          | 31.9 | 29.2 | 27.2 |      |      |      |      |      |      |      |      |      |       | 6.0          |
| 7.0              | 32.2          | 30.6 | 28.1 | 25.2 | 23.9 | 21.4 | 19.7 |      |      |      |      |      |      |       | 7.0          |
| 8.0              | 29.4          | 29.4 | 26.9 | 23.7 | 23.5 | 21.0 | 18.5 | 21.0 | 18.9 | 16.8 |      |      |      |       | 8.0          |
| 9.0              | 26.9          | 27.3 | 25.2 | 21.6 | 23.0 | 20.4 | 17.7 | 20.2 | 18.0 | 16.3 |      |      |      |       | 9.0          |
| 10.0             | 23.8          | 23.8 | 23.0 | 19.1 | 22.2 | 19.3 | 16.3 | 18.5 | 16.6 | 15.5 | 15.1 | 13.4 |      |       | 10.0         |
| 12.0             | 18.3          | 17.5 | 17.8 | 17.4 | 17.5 | 18.0 | 15.1 | 17.3 | 15.5 | 14.2 | 13.8 | 12.6 | 13.0 | 9.8   | 12.0         |
| 14.0             | 14.1          | 13.4 | 13.7 | 14.4 | 13.4 | 13.9 | 14.1 | 13.6 | 14.2 | 13.0 | 12.8 | 11.8 | 11.3 | 9.8   | 14.0         |
| 16.0             | 11.2          | 10.5 | 10.8 | 11.5 | 10.5 | 11.1 | 11.8 | 10.7 | 11.4 | 11.9 | 11.1 | 11.3 | 10.9 | 9.6   | 16.0         |
| 18.0             | 9.1           | 8.4  | 8.7  | 9.3  | 8.4  | 8.9  | 9.6  | 8.6  | 9.2  | 9.7  | 8.9  | 9.6  | 9.3  | 8.7   | 18.0         |
| 20.0             | 7.5           | 6.8  | 7.1  | 7.7  | 6.8  | 7.3  | 8.0  | 7.0  | 7.6  | 8.1  | 7.3  | 7.9  | 7.6  | 7.7   | 20.0         |
| 22.0             | 6.1           | 5.5  | 5.8  | 6.3  | 5.5  | 6.0  | 6.6  | 5.7  | 6.3  | 6.7  | 6.0  | 6.6  | 6.3  | 6.4   | 22.0         |
| 24.0             | 5.1           | 4.4  | 4.7  | 5.3  | 4.4  | 4.9  | 5.6  | 4.6  | 5.2  | 5.7  | 4.9  | 5.6  | 5.3  | 5.3   | 24.0         |
| 26.0             | 4.2           | 3.5  | 3.8  | 4.4  | 3.5  | 4.0  | 4.7  | 3.7  | 4.3  | 4.8  | 4.0  | 4.7  | 4.4  | 4.4   | 26.0         |
| 28.0             | 3.4           | 2.8  | 3.1  | 3.6  | 2.8  | 3.3  | 3.9  | 3.0  | 3.6  | 4.0  | 3.3  | 3.9  | 3.6  | 3.7   | 28.0         |
| 30.0             | 2.8           | 2.2  | 2.5  | 3.0  | 2.2  | 2.6  | 3.3  | 2.4  | 2.9  | 3.4  | 2.7  | 3.3  | 3.0  | 3.0   | 30.0         |
| 32.0             |               | 1.6  | 1.9  | 2.5  | 1.6  | 2.1  | 2.7  | 1.8  | 2.4  | 2.8  | 2.1  | 2.7  | 2.4  | 2.5   | 32.0         |
| 34.0             |               | 1.1  | 1.4  | 2.0  | 1.1  | 1.6  | 2.3  | 1.3  | 1.9  | 2.4  | 1.6  | 2.2  | 2.0  | 2.0   | 34.0         |
| 36.0             |               |      |      | 1.5  |      | 1.2  | 1.8  |      | 1.5  | 1.9  | 1.2  | 1.8  | 1.6  | 1.6   | 36.0         |
| 38.0             |               |      |      |      |      |      | 1.5  |      | 1.1  | 1.5  |      | 1.4  | 1.2  | 1.2   | 38.0         |
| 40.0             |               |      |      |      |      |      | 1.1  |      |      | 1.2  |      | 1.1  |      |       | 40.0         |
| 42.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 42.0         |
| 44.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 44.0         |
| 46.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 46.0         |
| 48.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 48.0         |
| 50.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 50.0         |
| 52.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 52.0         |
| 54.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 54.0         |
| 56.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 56.0         |
| Telescoping mode |               |      |      |      |      |      |      |      |      |      |      |      |      |       |              |
| II               | 0.0           | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 100.0 | II           |
| III              | 92.0          | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 46.0 | 92.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 100.0 | III          |
| IV               | 46.0          | 46.0 | 46.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 100.0 | IV           |
| V                | 46.0          | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 100.0 | V            |
| VI               | 46.0          | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 100.0 | VI           |

**STC1300C TRUCK CRANE**  
**LOAD CHART**
**Prerequisites:**

- ① Boom operating conditions(fully extended boom length ),min. length is 13.3m and max.length is 60m
- ② The span of outriggers is 8.5m×5.3m
- ③ Side and rear are applied
- ④ Counterweight is 40T

| Radius ( m )     | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Radius ( m ) |
|------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------|
|                  | 13.3          | 17.6 | 17.6 | 17.6 | 21.9 | 21.9 | 21.9 | 26.0 | 26.0 | 26.0 | 30.5 | 30.5 | 30.5 | 34.8 | 34.8 |              |
| 3.0              | 100.0         | 88.0 | 72.8 | 54.4 |      |      |      |      |      |      |      |      |      |      |      | 3.0          |
| 3.5              | 100.0         | 82.4 | 70.4 | 52.8 |      |      |      |      |      |      |      |      |      |      |      | 3.5          |
| 4.0              | 92.8          | 79.2 | 68.0 | 52.0 | 72.0 | 54.4 | 39.2 | 61.6 | 46.0 | 36.8 |      |      |      |      |      | 4.0          |
| 4.5              | 86.4          | 74.4 | 65.6 | 50.4 | 70.4 | 52.0 | 37.6 | 58.4 | 44.0 | 35.2 | 50.4 | 46.2 | 36.0 |      |      | 4.5          |
| 5.0              | 79.2          | 70.4 | 60.8 | 48.8 | 62.4 | 50.4 | 36.0 | 55.2 | 42.0 | 33.6 | 46.2 | 42.0 | 34.4 | 42.0 | 37.7 | 5.0          |
| 6.0              | 68.8          | 64.0 | 56.4 | 44.4 | 56.8 | 46.0 | 32.0 | 50.0 | 38.4 | 31.6 | 44.8 | 39.4 | 32.2 | 37.8 | 36.1 | 6.0          |
| 7.0              | 53.1          | 53.6 | 52.8 | 38.4 | 52.0 | 42.0 | 29.6 | 46.4 | 34.4 | 29.6 | 42.4 | 37.7 | 29.4 | 36.0 | 34.4 | 7.0          |
| 8.0              | 41.6          | 42.4 | 43.2 | 34.4 | 42.0 | 37.6 | 27.2 | 41.6 | 32.0 | 27.2 | 39.0 | 36.1 | 26.9 | 33.9 | 31.8 | 8.0          |
| 9.0              | 33.9          | 34.6 | 35.4 | 32.4 | 34.3 | 33.6 | 25.2 | 35.2 | 28.0 | 25.6 | 35.4 | 33.6 | 24.5 | 31.4 | 29.2 | 9.0          |
| 10.0             | 28.3          | 29.0 | 29.7 | 29.0 | 28.7 | 29.9 | 23.2 | 29.5 | 25.6 | 23.4 | 29.7 | 30.4 | 22.6 | 29.9 | 26.8 | 10.0         |
| 12.0             |               | 21.3 | 22.0 | 22.4 | 21.0 | 22.2 | 20.4 | 21.8 | 22.3 | 20.8 | 22.0 | 22.6 | 21.1 | 22.3 | 23.4 | 12.0         |
| 14.0             |               | 16.3 | 16.9 | 17.4 | 16.1 | 17.2 | 18.4 | 16.8 | 17.3 | 18.8 | 17.0 | 17.6 | 18.6 | 17.3 | 18.3 | 14.0         |
| 16.0             |               |      |      |      | 12.6 | 13.6 | 15.1 | 13.3 | 13.8 | 15.4 | 13.5 | 14.0 | 15.2 | 13.7 | 14.8 | 16.0         |
| 18.0             |               |      |      |      | 10.0 | 11.0 | 12.4 | 10.7 | 11.1 | 12.7 | 10.8 | 11.4 | 12.6 | 11.1 | 12.1 | 18.0         |
| 20.0             |               |      |      |      |      |      |      | 8.7  | 9.1  | 10.7 | 8.8  | 9.4  | 10.5 | 9.1  | 10.1 | 20.0         |
| 22.0             |               |      |      |      |      |      |      | 7.1  | 7.5  | 9.1  | 7.2  | 7.8  | 8.9  | 7.5  | 8.5  | 22.0         |
| 24.0             |               |      |      |      |      |      |      |      |      |      | 5.9  | 6.5  | 7.6  | 6.2  | 7.2  | 24.0         |
| 26.0             |               |      |      |      |      |      |      |      |      |      | 4.9  | 5.4  | 6.5  | 5.1  | 6.1  | 26.0         |
| 28.0             |               |      |      |      |      |      |      |      |      |      |      |      |      | 4.2  | 5.2  | 28.0         |
| 30.0             |               |      |      |      |      |      |      |      |      |      |      |      |      | 3.4  | 4.4  | 30.0         |
| 32.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0         |
| 34.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 34.0         |
| 36.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0         |
| 38.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0         |
| 40.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0         |
| 42.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 42.0         |
| 44.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0         |
| 46.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 46.0         |
| 48.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0         |
| 50.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50.0         |
| 52.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0         |
| 54.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 54.0         |
| 56.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 56.0         |
| Telescoping mode |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |              |
| II               | 0.0           | 0.0  | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 46.0 | 0.0  | 92.0 | 46.0 | II           |
| III              | 0.0           | 46.0 | 0.0  | 0.0  | 46.0 | 46.0 | 0.0  | 46.0 | 92.0 | 0.0  | 92.0 | 46.0 | 46.0 | 46.0 | 46.0 | III          |
| IV               | 0.0           | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | IV           |
| V                | 0.0           | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | 46.0 | 46.0 | 46.0 | V            |
| VI               | 0.0           | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 0.0  | 46.0 | 0.0  | 46.0 | VI           |

**Prerequisites:**

- ① Boom operating conditions (fully extended boom length), min. length is 13.3m and max. length is 60m
- ② The span of outriggers is 8.5m×5.3m
- ③ Side and rear are applied
- ④ Counterweight is 40T

| Radius ( m )     | Main boom (m) |      |      |      |      |      |      |      |      |      |      |      |      |       | Radius ( m ) |
|------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------------|
|                  | 34.8          | 39.1 | 39.1 | 39.1 | 43.4 | 43.4 | 43.4 | 47.7 | 47.7 | 47.7 | 52.0 | 52.0 | 56.3 | 60.0  |              |
| 3.0              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 3.0          |
| 3.5              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 3.5          |
| 4.0              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 4.0          |
| 4.5              |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 4.5          |
| 5.0              | 35.2          |      |      |      |      |      |      |      |      |      |      |      |      |       | 5.0          |
| 6.0              | 34.0          | 31.9 | 29.2 | 27.2 |      |      |      |      |      |      |      |      |      |       | 6.0          |
| 7.0              | 32.2          | 30.6 | 28.1 | 25.2 | 23.9 | 21.4 | 19.7 |      |      |      |      |      |      |       | 7.0          |
| 8.0              | 29.4          | 29.4 | 26.9 | 23.7 | 23.5 | 21.0 | 18.5 | 21.0 | 18.9 | 16.8 |      |      |      |       | 8.0          |
| 9.0              | 26.9          | 27.3 | 25.2 | 21.6 | 23.0 | 20.4 | 17.7 | 20.2 | 18.0 | 16.3 |      |      |      |       | 9.0          |
| 10.0             | 23.8          | 25.2 | 23.0 | 19.1 | 22.2 | 19.3 | 16.3 | 18.5 | 16.6 | 15.5 | 15.1 | 13.4 |      |       | 10.0         |
| 12.0             | 21.2          | 22.6 | 20.6 | 17.4 | 19.8 | 18.0 | 15.1 | 17.3 | 15.5 | 14.2 | 13.8 | 12.6 | 13.0 | 9.8   | 12.0         |
| 14.0             | 18.5          | 18.0 | 18.3 | 15.8 | 17.4 | 16.4 | 14.1 | 15.8 | 14.2 | 13.0 | 12.8 | 11.8 | 11.3 | 9.8   | 14.0         |
| 16.0             | 15.1          | 14.4 | 14.7 | 14.6 | 14.4 | 14.9 | 13.0 | 14.3 | 13.0 | 12.1 | 11.8 | 11.3 | 10.9 | 9.6   | 16.0         |
| 18.0             | 12.5          | 11.8 | 12.1 | 12.7 | 11.8 | 12.3 | 12.0 | 12.0 | 11.7 | 11.0 | 11.0 | 10.5 | 10.1 | 8.7   | 18.0         |
| 20.0             | 10.4          | 9.8  | 10.1 | 10.7 | 9.8  | 10.3 | 10.9 | 10.0 | 10.6 | 10.4 | 10.3 | 9.6  | 9.6  | 8.4   | 20.0         |
| 22.0             | 8.8           | 8.2  | 8.5  | 9.0  | 8.2  | 8.6  | 9.3  | 8.4  | 8.9  | 9.4  | 8.7  | 9.0  | 9.0  | 7.3   | 22.0         |
| 24.0             | 7.5           | 6.9  | 7.1  | 7.7  | 6.8  | 7.3  | 8.0  | 7.0  | 7.6  | 8.1  | 7.3  | 8.0  | 7.7  | 6.2   | 24.0         |
| 26.0             | 6.4           | 5.8  | 6.1  | 6.6  | 5.8  | 6.2  | 6.9  | 6.0  | 6.5  | 7.0  | 6.3  | 6.9  | 6.6  | 5.3   | 26.0         |
| 28.0             | 5.5           | 4.8  | 5.1  | 5.7  | 4.8  | 5.3  | 6.0  | 5.0  | 5.6  | 6.1  | 5.3  | 6.0  | 5.7  | 4.6   | 28.0         |
| 30.0             | 4.7           | 4.1  | 4.4  | 4.9  | 4.1  | 4.5  | 5.2  | 4.3  | 4.8  | 5.3  | 4.6  | 5.2  | 4.9  | 4.0   | 30.0         |
| 32.0             |               | 3.4  | 3.7  | 4.2  | 3.4  | 3.9  | 4.5  | 3.6  | 4.2  | 4.6  | 3.9  | 4.5  | 4.2  | 3.4   | 32.0         |
| 34.0             |               | 2.8  | 3.1  | 3.6  | 2.8  | 3.3  | 3.9  | 3.0  | 3.6  | 4.0  | 3.3  | 3.9  | 3.6  | 2.9   | 34.0         |
| 36.0             |               | 2.3  | 2.6  | 3.1  | 2.3  | 2.8  | 3.4  | 2.5  | 3.0  | 3.5  | 2.8  | 3.4  | 3.1  | 2.5   | 36.0         |
| 38.0             |               |      |      |      | 1.8  | 2.3  | 2.9  | 2.0  | 2.6  | 3.0  | 2.3  | 2.9  | 2.6  | 2.2   | 38.0         |
| 40.0             |               |      |      |      | 1.4  | 1.9  | 2.5  | 1.6  | 2.2  | 2.6  | 1.9  | 2.5  | 2.2  | 1.8   | 40.0         |
| 42.0             |               |      |      |      |      |      |      | 1.2  | 1.8  | 2.2  | 1.5  | 2.1  | 1.9  | 1.5   | 42.0         |
| 44.0             |               |      |      |      |      |      |      |      | 1.4  | 1.9  | 1.2  | 1.8  | 1.5  | 1.3   | 44.0         |
| 46.0             |               |      |      |      |      |      |      |      |      |      | 0.9  | 1.5  | 1.2  | 1.0   | 46.0         |
| 48.0             |               |      |      |      |      |      |      |      |      |      |      | 1.2  |      |       | 48.0         |
| 50.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 50.0         |
| 52.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 52.0         |
| 54.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 54.0         |
| 56.0             |               |      |      |      |      |      |      |      |      |      |      |      |      |       | 56.0         |
| Telescoping mode |               |      |      |      |      |      |      |      |      |      |      |      |      |       |              |
| II               | 0.0           | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 100.0 | II           |
| III              | 92.0          | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 46.0 | 92.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 100.0 | III          |
| IV               | 46.0          | 46.0 | 46.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 100.0 | IV           |
| V                | 46.0          | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 100.0 | V            |
| VI               | 46.0          | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 46.0 | 92.0 | 46.0 | 92.0 | 92.0 | 100.0 | VI           |

**Prerequisites:**

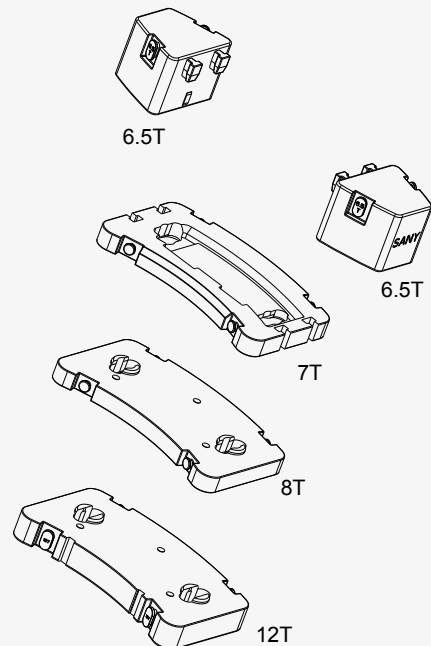
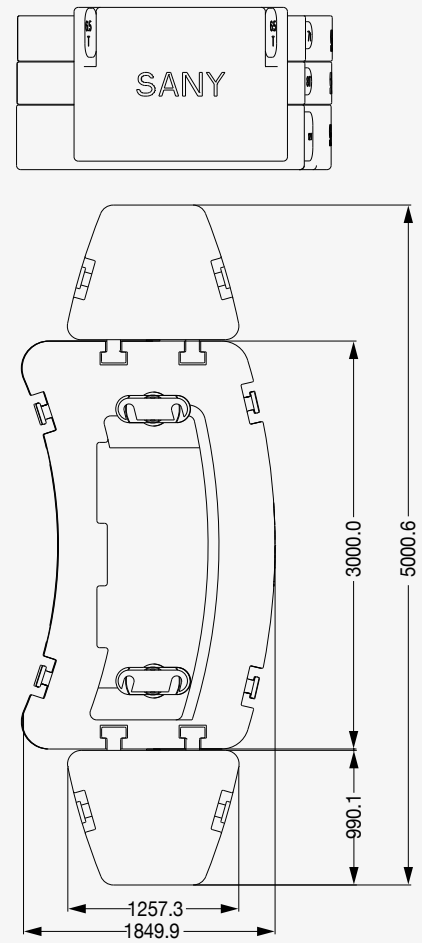
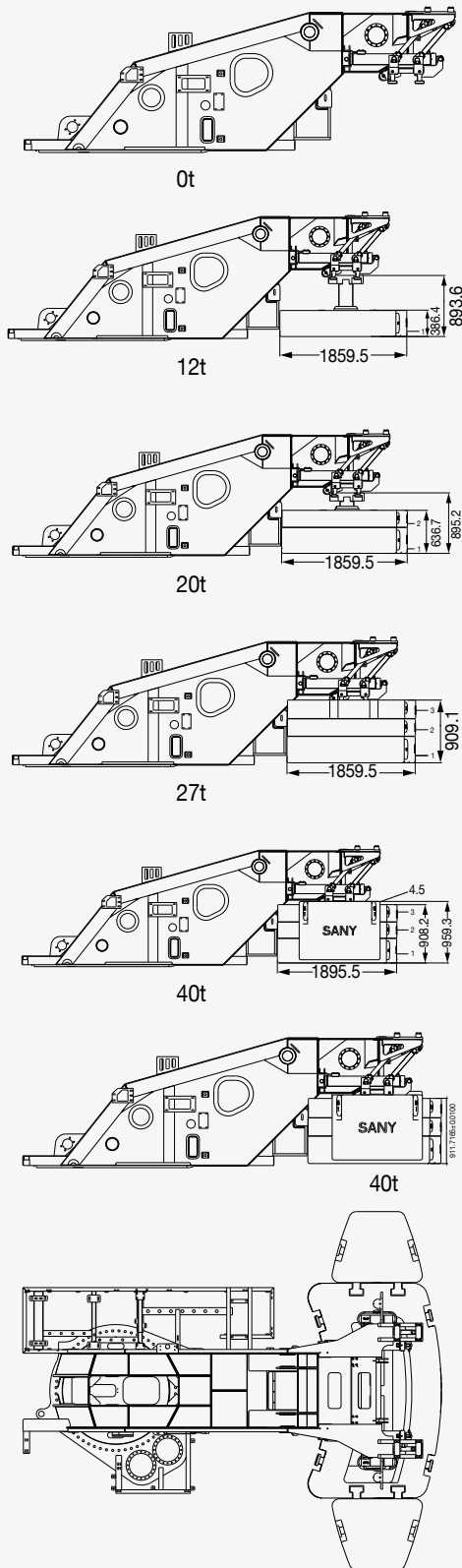
- ① Boom operating conditions(fully extended boom length+jib length ), max.length is 60m+10.7m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360°rotation is applied
- ④ Counterweight is 40T

| Main boom elevation | Main boom+Jib    |              |                  |              |                  |              |
|---------------------|------------------|--------------|------------------|--------------|------------------|--------------|
|                     | 0°               |              | 15°              |              | 30°              |              |
|                     | Lifting capacity | Radius ( m ) | Lifting capacity | Radius ( m ) | Lifting capacity | Radius ( m ) |
| 78°                 | 7000             | 12.3         | 5200             | 14.7         | 3700             | 16.8         |
| 75°                 | 6800             | 15.9         | 4500             | 18.3         | 3600             | 20.3         |
| 72°                 | 6300             | 19.5         | 4200             | 21.8         | 3400             | 23.7         |
| 70°                 | 5400             | 21.8         | 4000             | 24.1         | 3300             | 25.9         |
| 65°                 | 4500             | 27.5         | 3600             | 29.6         | 3100             | 31.4         |
| 60°                 | 4000             | 33           | 3300             | 35           | 2900             | 36.5         |
| 55°                 | 3400             | 38.2         | 2400             | 40.1         | 2300             | 41.4         |
| 50°                 | 2400             | 43.1         | 2200             | 44.8         | 2100             | 46           |
| 45°                 | 1700             | 47.6         | 1600             | 49.2         | 1500             | 50.2         |
| 40°                 | 1100             | 51.8         | 1000             | 53.2         | 900              | 53.9         |

**Prerequisites:**

- ① Boom operating conditions(fully extended boom length+jib length ), max.length is 60m+18m
- ② The span of outriggers is 7.6m×7.6m
- ③ 360°rotation is applied
- ④ Counterweight is 40t

| Main boom elevation | Main boom+Jib    |              |                  |              |                  |              |
|---------------------|------------------|--------------|------------------|--------------|------------------|--------------|
|                     | 0°               |              | 15°              |              | 30°              |              |
|                     | Lifting capacity | Radius ( m ) | Lifting capacity | Radius ( m ) | Lifting capacity | Radius ( m ) |
| 78°                 | 3800             | 13.8         | 2800             | 18           | 2200             | 21.7         |
| 75°                 | 3400             | 17.8         | 2600             | 21.9         | 2100             | 25.4         |
| 72°                 | 3200             | 21.7         | 2500             | 25.7         | 2000             | 29.1         |
| 70°                 | 3000             | 24.3         | 2400             | 28.2         | 1900             | 31.5         |
| 65°                 | 2700             | 30.6         | 2200             | 34.3         | 1700             | 37.3         |
| 60°                 | 2400             | 36.6         | 1900             | 40.2         | 1500             | 42.9         |
| 55°                 | 1900             | 42.4         | 1600             | 45.7         | 1400             | 48           |
| 50°                 | 1700             | 47.8         | 1500             | 50.8         | 1300             | 52.8         |
| 45°                 | 1100             | 52.8         | 1000             | 55.5         | 900              | 57.2         |
| 40°                 | —                | —            | —                | —            | —                | —            |



## STC1300C TRUCK CRANE WHEEL CRANE FAMILY MAP

### TRUCK CRANE



**STC200**  
Maximum Load Capacity: 20t  
Telescopic Boom: 4 Sections, 10.6-30m



**STC250**  
Maximum Load Capacity: 25t  
Telescopic Boom: 4 Sections, 10.6-33.5m



**STC250H**  
Maximum Load Capacity: 25t  
Telescopic Boom: 5 Sections, 10.6-39.5m



**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, 10.6-39.5m



**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, 12.26-56m



**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, 14.56-69m

### ALL TERRAIN CRANE



**SAC1800**  
Maximum Load Capacity: 180t  
Telescopic Boom: 6 Sections, 13.5-62m



**SAC2200**  
Maximum Load Capacity: 220t  
Telescopic Boom: 6 Sections, 13.5-62m



**SAC2600**  
Maximum Load Capacity: 260t  
Telescopic Boom: 6 Sections, 15.66-73m



**SAC3000**  
Maximum Load Capacity: 300t  
Telescopic Boom: 7 Sections, 15.8-80m



**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



**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



**SRC650H**  
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.

Version: 2016.1

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