# SCC6500A

## SANY Crawler Crane
## 650 Tons Lifting Capacity

Quality Changes the World





Crawler Crane Series
SCC6500A


| | | |
|---|---|---|
| P03 | Main Characteristics | ▪ Driver's Cab<br>▪ Upperworks<br>▪ Lowerworks<br>▪ Counterweight<br>▪ Hydraulic System<br>▪ Operating Weight<br>▪ Ground Pressure<br>▪ Gradeability<br>▪ Operating Equipment<br>▪ Safety Devices |
| P10 | Technical Parameters | ▪ Main Performance Parameters<br>▪ Basic Dimensions of Crane<br>▪ Transportation Dimensions<br>▪ Transport Plan<br>▪ Self-Assembly and Disassembly plan<br>▪ Assembly Schematics |
| P31 | Combination of Working Conditions | ▪ H working condition<br>▪ HDB working condition<br>▪ HJ working condition<br>▪ HJDB working condition<br>▪ FJ working condition<br>▪ FJDB working condition<br>▪ HJFJ_1 working condition<br>▪ HJFJ working condition<br>▪ HJFJDB working condition<br>▪ HJFJDB_4 working condition<br>▪ LJ working condition<br>▪ LJDB working condition |


A

# SCC6500A
# SANY CRAWLER CRANE
# 650 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

## Main Characteristics


- Page 04 Driver's Cab
- Page 04 Upperworks
- Page 05 Lowerworks
- Page 06 Counterweight
- Page 06 Hydraulic System
- Page 06 Operating Weight
- Page 06 Ground Pressure
- Page 06 Gradeability
- Page 07 Operating Equipment
- Page 08 Safety Devices

## Driver's cab

### Exterior

- The cab's industrial design is made by Posche with smooth outline in aesthetic novelty. The great breakthrough marks it from the traditional engineering machinery, building a distinct brand identification. Sliding door structure is adopted, that is perfectly suitable on the crawler crane for the operator to sliding on and off the door. Fully-enclosed steel frame is applied with large faces of high-strength tempered glass on front, side and top ceiling, admitting sufficient lights. Furthermore, the cab is capacious and bright, offering wider view for the operator.

### Comfortability

- Multimode and multilevel adjustable suspension seat with minimum vibration and noise is mounted, providing the most comfortable driving experience for the operator. Air conditioning and heater are provided to adjust the indoor temperature to a perfect level. The right and left armrests as well as the auxiliary operating panel are installed with operating handles, control buttons, ignition lock and other components. The seat, handles and buttons are laid out ergonomically with full consideration given to the operator's needs and habits. The control box and seat can be adjusted to the most comfortable position for the operator to make operation at ease. The driver's cab can tilt 15°upward or downward as needed for the work, or rotate to the dead ahead of the platform to facilitate the transportation.

## Upperworks

### Engine

- Cummins (EU Tier-IIIemission standard; and EU Tier IV as optional);
- Rated power: 447Kw;
- Rated speed: 1,800rpm;
- Max. output torque: 2,542N·m;
- Speed at maximum output torque: 1,400rpm.

### Load Hoisting Mechanism

- A variable hydraulic motor drives the planetary gear reducer to control the lifting and lowering of main hoists I and II. Meanwhile, the infinitely variable displacement ensures the excellent acceleration of hoisting power of main hoist I and II.
- Lifting capacity below 325t needs only one hoist, while two hoists must be applied simultaneously when the capacity exceeds 325t. Synchronization function of main hoists I and II is available;
- The maximum parts of line is 48. Multi-layer winding for drum with fold-line grooves can avoid rope disorder. Reducer is featured with low noise, high efficiency, long service life, and convenient oil change.

| | | |
|---|---|---|
| Main Hoisting Mechanism | Drum diameter | 630mm |
| | Rope speed on the outermost work layer | 0~130m/min |
| | Wire rope diameter | 28mm |
| | Wire rope length of main hoist | 1180m |
| | Rated single line pull | 17.1t |
| Auxiliary Hoisting Mechanism | Drum diameter | 630mm |
| | Rope speed on the outermost work layer | 0~120m/min |
| | Wire rope diameter | 28mm |
| | Wire rope length of auxiliary hoist | 665m |
| | Rated single line pull | 17.1t |





## Upperworks

### Luffing Mechanism

- Including: luffing mechanisms of the boom, jib and superlift;
- Drums with fold-line grooves are adopted for all luffing devices. Hydraulic motor drives the planetary gear reducer with excellent infinitely variable displacement to realize multi-functions.

| | | |
|---|---|---|
| Main and Auxiliary Mechanism | Drum diameter | 630mm |
| | Rope speed on the outermost work layer | 0~112m/min |
| | Steel rope diameter | 28mm |
| | Steel rope length of main luffing | 680m |
| Auxiliary Luffing | Drum diameter | 630mm |
| | Rope speed on the outermost work layer | 0~120m/min |
| | Steel rope diameter | 28mm |
| | Steel rope length of auxiliary luffing | 960m |
| Superlift Luffing | Drum diameter | 630mm |
| | Rope speed on the outermost work layer | 0~125m/min |
| | Steel rope diameter | 28mm |
| | Steel rope length of superlift luffing | 1020m |

### Slewing Gear

- Dual-motor is adopted for the swing hydraulic system to drive the spur gear drive through a planetary gear reducer and enables 360° rotation. The swing speed is 0--0.8rpm, which is infinitely variable. The swing, free of starting and stopping impact, operates steadily and is equipped with neutral free slipping function. Slewing bearing is three-cylindrical roller bearing with external engagement. A separator ring is designed to set apart the basic machine and undercarriage.

## Lowerworks

### Carbody

- The hydraulic cylinder drives power pin to be connected with track frame to facilitate the assembly and disassembly. Frame structures are welded by high-strength steel. Larger chassis design greatly improves the stability of the crane. The self-assembled center counterweight is 60t, with 30t at both front and the rear.

### Crawler Assembly

- Track frame: each track frame is equipped with an independent travel driving device. A hydraulic travel motor drives the planetary gear reducer and realizes independent traveling through the transmission of driving wheel. The travel system is configured with high and low speeds: sufficient traction is provided in low speed to realize 100% pick and carry, while faster job-site transfer is possible in high travel speed. Infinite variable speed can be realized in travel driving system.
- Track shoe: it is manufactured by advanced casting techniques and materials with high strength and good wear resistance. After assembled on the machine, the tension can be adjusted by a hydraulic jack with shims used to secure the crawler position.

## Counterweight

- The counterweight includes: center counterweight, rear counterweight, superlift counterweight.

| Name | Quantity | Length (m) | Width (m) | Height (m) | Unit Weight (t) |
|---|---|---|---|---|---|
| Center counterweight | 6 | 2.49 | 2.35 | 0.534 | 10 |
| Center counterweight Tray | 2 | 2.78 | 2.91 | 1.2 | 4.4 |
| Rear Counterweight | 20 | 2.49 | 2.35 | 0.555 | 10 |
| Rear Counterweight Tray | 2 | 2.8 | 2.93 | 2.02 | 6.2 |
| Superlift counterweight | 30 | 2.49 | 2.35 | 0.534 | 10 |
| Superlift Counterweight Tray | 1 | 10.18 | 2.5 | 1.55 | 10.7 |

## Hydraulic System

- The whole hydraulic system includes that of hoisting, traveling, slewing, luffing, servo, back-stop, cooling system, and auxiliary hydraulic system. Major hydraulic components are original imports.
- Features: lifting, traveling, luffing, and slewing hydraulic systems are applied with closed circuits, which has advantages such as energy saving, high efficiency, instant responsiveness, low heat generation and long service life.
- Electrically-controlled proportional control components are adopted for the servo system to realize precise and intelligent control.
- External controlled and outflow balance valve is adopted for the back-stop system, which ensures the safety and reliability.
- The cooling hydraulic system is featured with large heat exchange power and good cooling effect.

## Operating Weight

- The operating weight is about 515t, including the Upperworks, lowerworks, rear counterweight of basic machine, center counterweight, 24m basic boom and 650t hook.

## Ground Pressure

- The average ground pressure of machine with basic boom is 0.15MPa.

## Gradeability

- The gradeability of machine with basic boom is 15%.





## Operating Equipment

All pipes and plates used on operating devices are made of high-strength steel, while the sheaves used on the tip of boom/jib and hooks are rolled welded sheaves.

### Boom

- The boom is a spatial lattice structure with equal section areas for inserts and tapered section areas for both ends. With pipes welded together, and boom tip and root strengthened with steel plates, it can better transfer the load.
- The length of the boom ranges from that (24m) of the base boom to the maximum length (108m) and it can be increased progressively by 6m.
- Composition: boom base 10.5m×1, transitional insert 12m×1, connecting section (boom top) 1.5m×1, insert section 6m×2, and insert section 12m×6.
- The extension jib shall be installed on the boom top.

### Fixed Jib

- The fixed jib is a spatial lattice structure with equal section areas for inserts and tapered section areas for both ends. With pipes welded together, and boom tip and root strengthened with steel plates, it can better transfer the load.
- The length of fixed jib ranges from 12m to 36m, which can be increased progressively by 12m.
- Composition: jib base 6m×1, jib insert 12m×2, and jib top 6m×1.

### Luffing Jib

- The luffing jib is a spatial lattice structure with equal section areas for inserts and tapered section areas for both ends. With pipes welded together, and boom tip and root strengthened with steel plates, it can better transfer the load.
- The length of the luffing jib ranges from 24m to 96m.
- Composition: jib base 10.5m×1, tapered section boom 6m×1, jib insert 6m×2, jib insert 12m×5, and jib top 7.5m×1.
- The extension jib shall be installed on the luffing jib top.

### Superlift Device

- The superlift mast is a spatial lattice structure with equal section areas for inserts and tapered section areas for both ends. With pipes welded together, and boom tip and root strengthened with steel plates, it can better transfer the load.
- The superlift mast is 36m long.
- Composition: mast base 12m×1, insert section 12m×1, and 12m×1.

### Hook

- 6 kinds of hooks are available, and specific parameters are as follows:

| Name of Hook | Max. Lifting Capacity | Quantity | Pulleys | Unit Weight (t) |
|---|---|---|---|---|
| 650t hook | 650 | 1 | 2×13 | 20.2 |
| 250t hook | 250 | 1 | 2×5 | 8.5 |
| 150t hook (single sheave block) | 150 | 1 | 5 | 4.8 |
| 150t hook (double sheave block) | 150 | 1 | 2×2 | 5.3 |
| 50t hook | 50 | 1 | 1 | 1.4 |
| 18t ball hook | 18 | 1 | / | 1 |

Note: the 650t hook can be decomposed to 325t hook.

# Safety Devices

### Load Moment Limiter

- The proprietory load moment limiter independently -developed by Sany is adopted, which forms a network with other controllers through CAN bus line, so as to realize safe and reliable control. The load moment limiter can automatically detect the hoisting weight of the crane and the angle of the boom, and display the rated load capacity, actual load, working radius, and the allowable height of the hook.
- The load moment limiter system consists of a large-screen color display, a host computer, angle sensors, tension sensors, pressure sensors and other components.

### Over-hoist Protection of the Main and Auxiliary Hooks

- It is used to prevent the over-hoist of the hook. When the lifting hook is raised to a certain height, the limit switch will start working, and hook will be automatically cut off from moving up by the control system. Meanwhile, the display and the buzzer will give alarms. At this moment, only hook lowering is allowed to prevent over-hoist action.

### Over-release Protection Device of the Main and Auxiliary Hook

- It is used to prevent the over-hoist of the hook. When the lifting hook is raised to a certain height, the limit switch will start working, and hook will be automatically cut off from moving up by the control system. Meanwhile, the display and the buzzer will give alarms. At this moment, only hook lowering is allowed to prevent over-hoist action.

### Over-hoist Protection of the Main and Auxiliary Hooks

- It is used to prevent the wire rope over-release. When the wire rope is released to the last three wraps, the limit switch will start working, and the releasing of rope will be automatically stopped by the control system. Meanwhile, the display and the buzzer will give alarms. At this moment, only rope retraction is allowed to prevent over release action.

### Boom Angle Limit

- When the elevation angle of the boom exceeds 85° or jib angle exceeds 75° , corresponding limit switch will be triggered, and the control system will automatically cut off the boom hoisting. Meanwhile, the display and the buzzer will give alarm=. At this moment, boom/jib luffing winch won't hoist but it can still lower down.
- When the lowering angle of the boom and the jib is respectively less than 30° and 15°, the lowering of the placing boom will be automatically stopped by the control system. Meanwhile, the display and the buzzer will give an alarm. At this moment, the lowering of relative placing boom will be limited, and such protection function will be automatically controlled by the moment limiter.
- When the boom down angle is less than 30° or jib down angle is less than 15°, the control system will automatically cut off the boom/jib from further lowering. Meanwhile, the display and the buzzer will give alarms. At this moment, boom/jib luffing winch won't be able to lower. This protection is automatically controlled by Load Moment Limiter.

### Back-stop Device

- The boom and the superlift mast are respectively equipped with a pair of back-stop cylinders. The high pressure of the cylinder shall be overcome when the boom tilts backwards, and high pressure oil will be supplemented automatically when the boom swings forwards to increase the tension and prevent the boom vibration and shaking back.
- The jib rear mast is equipped with a pair of back-stop cylinders, while the jib front mast is equipped with a pair of pneumatic cylinders to prevent the mast from the backward inclination and tension of the jib luffing wire rope.

### Brake of Hoisting Mechanism

- All hoisting brakes are spring loaded normally closed disc brakes, which are featured with large braking force, maintenance-free, safe and reliable use, and long service life.

### Closed Circuit Monitoring System

- It can be used to monitor the winding conditions of wire ropes of each hoisting mechanism, the conditions of superlift weight, and conditions around the equipment.

### Fault Auto-Diagnosis System

- Faults can be conveniently eliminated based on the fault code.





Safety Devices

### Black Box

- It is able to record the operation data and machine movement, and analyze the remaining running conditions and service life of machine based on the actual performance.

### Pharos

- It is mounted on the top of the boom/jib and alerts in air during night.

### Anemometer

- It is mounted on the top of the boom/jib to monitor the wind speed in real time and display relative data on the monitor.

### Electronic Level Indicator

- It displays the tilting angle of the crane on the monitor in real time and protects the safe operation of the crane.

### Lightning Protection Device

- It includes the lightning protection device and the surge protection device, which can effectively protect the electric system elements and workers from lightning.

### Boom Angle Indicator

- It is a pendulum-type angle indicator fixed on one side of the boom base.

### Hook Latch

- The lifting hook is installed with a baffle plate to prevent wire rope from falling off.

### Swing and Traveling Alarm

- During swing and traveling, the alarm horn will be blown per certain frequency to alert the personnel around the crane. The horn can be shut off through the display.

### Function Lock

- The operation will be locked by pulling up the function locking lever on the right side of the seat inside the driver's cab or when the operator left the seat, after which no operating handles will be working so that improper operation caused by the body collision when getting on and off the crane can be avoided.

### Regulation of Engine Power Ultimate Load and Stalling Protection

- The controller can monitor the engine power so as to prevent stalling.

### Remote Monitoring System

- It monitors and analyzes the operation data so as to realize remote diagnosis of faults and timely solution.

### Proactive Safety Control Technology

- Swing speed can be automatically reduced based on boom length to make it safer;
- Flexible safety protection reduces the speed when the mechanism approaches to the safety limit position, which ensures reliability;
- Real-time monitor of hydraulic oil temperature allows limits on the action speed based on oil temperature, which protect the hydraulic components effectively;
- The protection can be set on man-machine interface as customer needs.

B

# SCC6500A
# SANY CRAWLER CRANE
# 650 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

## Technical Parameters


- Page 11 Main Performance Parameters
- Page 12 Basic Dimensions of Crane
- Page 14 Transportation Dimensions
- Page 22 Transport Plan
- Page 26 Self-Assembly and Disassembly plan
- Page 27 Assembly Schematics

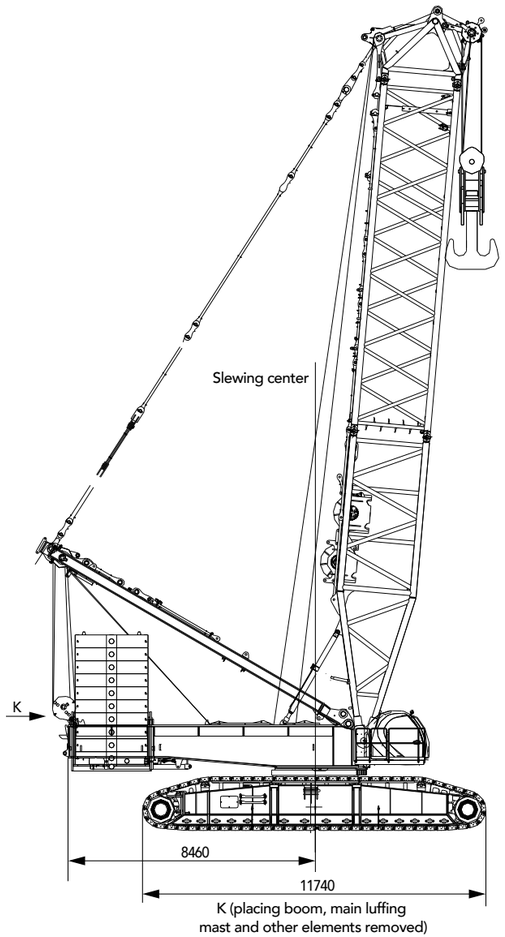

> 10

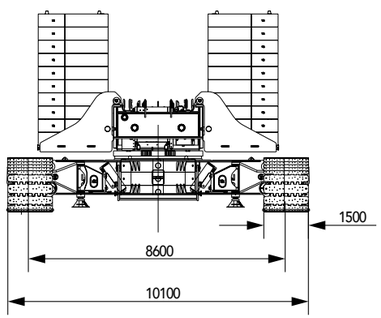


## Main Performance Parameters

| SCC6500A Major Performance Specifications | | |
|---|---|---|
| Performance Indicators | Unit | Parameter |
| Max. rated lifting capacity | t | 650 (5.5m working radius) |
| Max. rated lifting capacity (with superlift) | t | 650 (10m working radius) |
| Max. rated lifting moment | t·m | 3920 |
| Max. rated lifting moment (with superlift) | t·m | 8600 |
| Boom length | m | 24 ~ 96 |
| Boom length (with superlift) | m | 36 ~ 108 |
| Length of mixed boom | m | 66 ~ 114 |
| Length of mixed boom (with superlift) | m | 90 ~ 144 |
| Length of luffing jib | m | 24 ~ 66 |
| Length of luffing jib (with superlift) | m | 24 ~ 96 |
| Length of fixed short jib | m | 12 ~ 36 |
| Combination of longest booms (LJDB working condition) | m | 96+96 |
| Longest boom + jib of wind turbine working condition (without superlift) | m | 114+12 |
| Longest boom+ jib of wind turbine working condition (with superlift) | m | 144+12 |
| Boom luffing angle | ° | 30 ~ 85 |
| Jib luffing angle | ° | 15 ~ 75 |
| Max. speed of single rope of the main hoist (outermost work layer) | m/min | 130 |
| Max. speed of single rope of the auxiliary hoist (outermost work layer) | m/min | 120 |
| Max. speed of single rope of the boom luffing (outermost work layer) | m/min | 56×2 |
| Max. speed of single rope of the jib luffing (outermost work layer) | m/min | 120 |
| Max. speed of single rope of the superlift luffing (outermost work layer) | m/min | 125 |
| Swing speed (no load) | r/min | 0.8 |
| Travel speed | km/h | 0 ~ 1.0 ( high speed) / 0 ~ 0.3 (low speed) |
| Gradeability (with base boom, driver's cab backwards) | % | 15 |
| Rated output power of the engine | kW/r/min | 447/1800 |
| Crane weight (basic boom, 210t rear counterweight, 60t center counterweight, and 650t hook) | t | 515 |
| Average ground pressure of the track (basic boom, 210t rear counterweight, 60t center counterweight, and 650t hook) | MPa | 0.15 |
| Rear counterweight of the basic machine | t | 210 |
| Superlift counterweight (including tray) | t | 310 |
| Center counterweight | t | 60 |
| Max. transport dimension of single part(L × W × H) | mm | 13290×3000×3200 |
| Max. transport weight of single part | t | 65 |
| Max. transport weight of single part (with separator) | t | 44.5 |

## Basic Dimensions of Crane

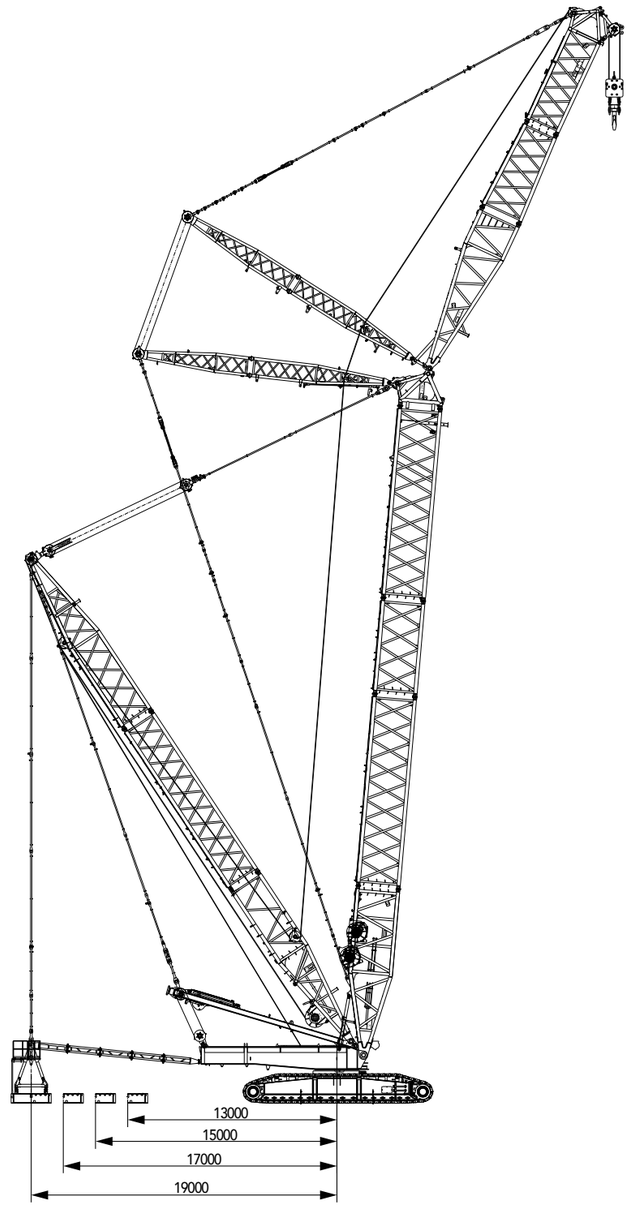


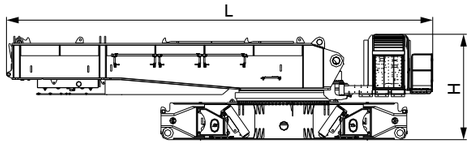




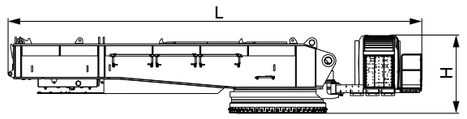

## Basic Dimensions of Crane



## Transportation Dimensions



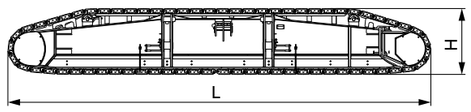

| Main body (Upperworks and lowerworks not separated) | ×1 |
|---|---|
| Length (L) | 13.29m |
| Width (W) | 3.00m |
| Height (H) | 3.20m |
| Weight | 65t |



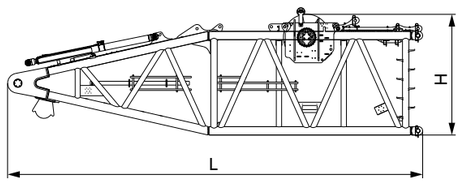

| Main body (Upperworks and lowerworks separated) | ×1 |
|---|---|
| Length (L) | 13.29m |
| Width (W) | 3.00m |
| Height (H) | 2.52m |
| Weight | 44.5t |



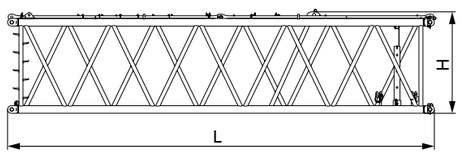

| Carbody (Upperworks and lowerworks separated) | ×1 |
|---|---|
| Length (L) | 7.68m |
| Width (W) | 3.00m |
| Height (H) | 1.46m |
| Weight | 28.5t |




| Crawler assembly | ×2 |
|---|---|
| Length (L) | 11.74m |
| Width (W) | 1.85m |
| Height (H) | 1.76m |
| Weight | 44.6t |




| Boom base of the boom (H2) | ×1 |
|---|---|
| Length (L) | 10.9m |
| Width (W) | 3.0m |
| Height (H) | 3.2m |
| Weight (with auxiliary luffing hoist) | 19.2t |

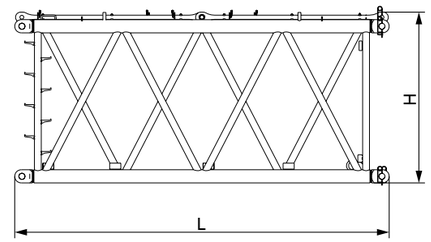



| 12m transition boom (H4) | ×1 |
|---|---|
| Length (L) | 12.24m |
| Width (W) | 2.99m |
| Height (H) | 2.9m |
| Weight | 8.4t |

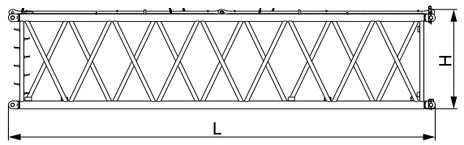




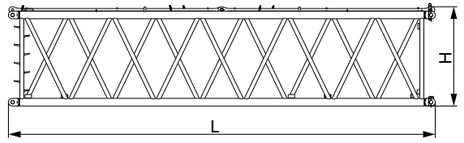
## Transportation Dimensions



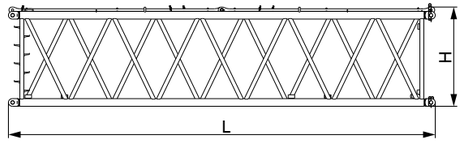

| 6m boom insert (H6) | ×2 |
|---|---|
| Length (L) | 6.24m |
| Width (W) | 2.99m |
| Height (H) | 2.84m |
| Weight | 4.7t |



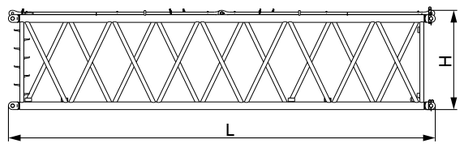

| 12m boom insert (H8B) | ×2 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 2.99m |
| Height (H) | 2.84m |
| Weight | 8.5t |



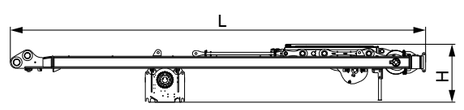

| 12m boom insert (H8C) | ×2 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 2.99m |
| Height (H) | 2.84m |
| Weight | 7.5t |




| 12m boom insert (H8D) | ×2 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 2.99m |
| Height (H) | 2.84m |
| Weight | 6.8t |

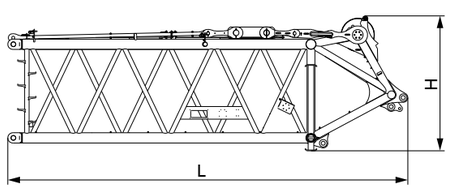



| 12m boom insert (H8E) | ×1 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 2.99m |
| Height (H) | 2.84m |
| Weight (with auxiliary luffing hoist) | 6.8t |

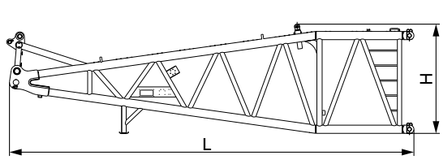



| Boom luffing mast | ×1 |
|---|---|
| Length (L) | 12.4m |
| Width (W) | 2.41m |
| Height (H) | 1.72m |
| Weight (including boom hoist winch) | 20.4t |

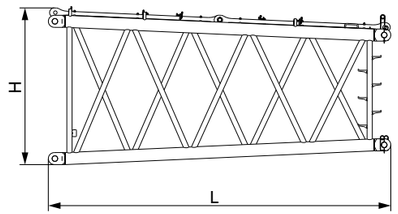
## Transportation Dimensions



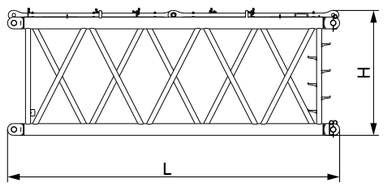

| Luffing jib top (LJ1) | ×1 |
|---|---|
| Length (L) | 8.55m |
| Width (W) | 2.57m |
| Height (H) | 2.88m |
| Weight | 6.5t |



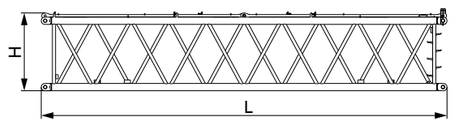

| Luffing jib base (LJ2) | ×1 |
|---|---|
| Length (L) | 10.8m |
| Width (W) | 2.99m |
| Height (H) | 2.91m |
| Weight | 8t |



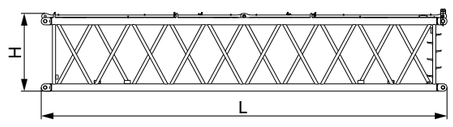

| 6m jib tapered section (LJ4) | ×1 |
|---|---|
| Length (L) | 6.2m |
| Width (W) | 2.99m |
| Height (H) | 2.85m |
| Weight | 3.2t |




| 6m luffing jib insert (LJ6) | ×2 |
|---|---|
| Length (L) | 6.2m |
| Width (W) | 2.64m |
| Height (H) | 2.34m |
| Weight | 3.1t |




| 12m luffing jib insert (LJ8A) | ×1 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 2.64m |
| Height (H) | 2.34m |
| Weight (with auxiliary luffing hoist) | 5.3t |

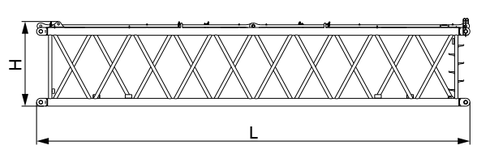



| 12m luffing jib insert (LJ8B) | ×2 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 2.64m |
| Height (H) | 2.34m |
| Weight | 5t |

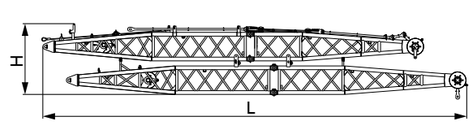




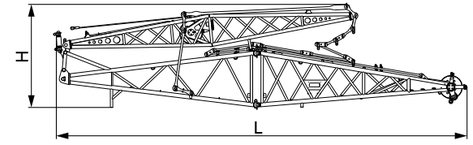
## Transportation Dimensions



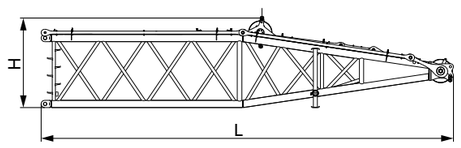

| 12m luffing jib insert (LJ8C) | ×1 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 2.64m |
| Height (H) | 2.39m |
| Weight | 5t |



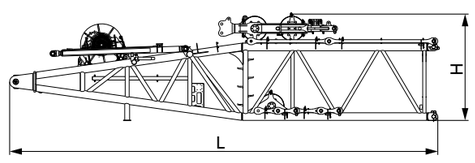

| Front and rear masts of luffing jib | ×1 |
|---|---|
| Length (L) | 18m |
| Width (W) | 2.54m |
| Height (H) | 3.00m |
| Weight | 15.4t |



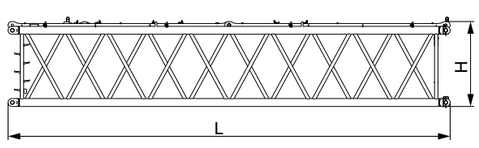

| Fixed jib assembly | ×1 |
|---|---|
| Length (L) | 12.71m |
| Width (W) | 2.48m |
| Height (H) | 3.19m |
| Weight | 5.8t |




| Superlift mast top (D1) | ×1 |
|---|---|
| Length (L) | 12.51m |
| Width (W) | 2.99m |
| Height (H) | 2.72m |
| Weight | 10.6t |

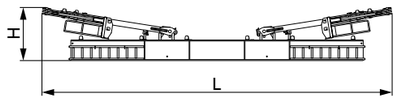



| Superlift mast base (D2) | ×1 |
|---|---|
| Length (L) | 12.3m |
| Width (W) | 2.99m |
| Height (H) | 3.05m |
| Weight (with hoist) | 20.5t |

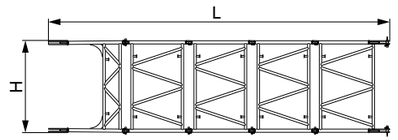



| 12m superlift mast insert (D3) | ×1 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 2.57m |
| Height (H) | 2.35m |
| Weight | 7.6t |

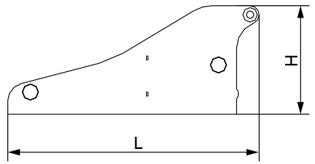
## Transportation Dimensions



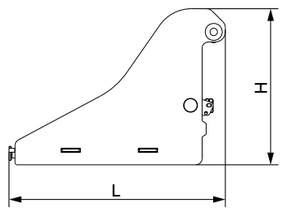

| Superlift counterweight frame | ×1 |
|---|---|
| Length (L) | 10.18m |
| Width (W) | 2.5m |
| Height (H) | 1.55m |
| Weight | 10.7t |



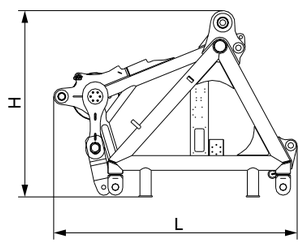

| Superlift mast strut | ×1 |
|---|---|
| Length (L) | 10.7m |
| Width (W) | 2.89m |
| Height (H) | 0.43m |
| Weight | 2.7t |



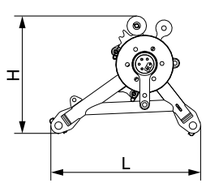

| Center counterweight tray | ×2 |
|---|---|
| Length (L) | 2.78m |
| Width (W) | 2.91m |
| Height (H) | 1.2m |
| Weight | 4.4t |




| Rear counterweight tray | ×2 |
|---|---|
| Length (L) | 2.8m |
| Width (W) | 2.93m |
| Height (H) | 2.02m |
| Weight | 6.2t |




| Connection tip | ×1 |
|---|---|
| Length (L) | 3.63m |
| Width (W) | 2.99m |
| Height (H) | 2.77m |
| Weight(with auxiliary luffing hoist) | 6.1t |

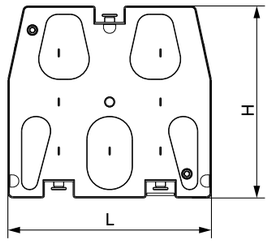



| Sheave block | ×2 |
|---|---|
| Length (L) | 1.84m |
| Width (W) | 1.67m |
| Height (H) | 1.44m |
| Weight | 2.3t |

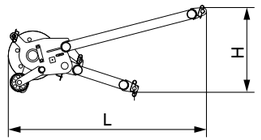




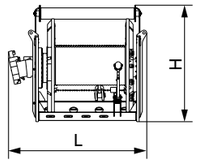
## Transportation Dimensions



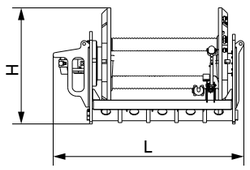

| 10t Counterweight block | ×56 |
|---|---|
| Length (L) | 2.49m |
| Width (W) | 2.35m |
| Height (H) | 0.555m |
| Weight | 10t |



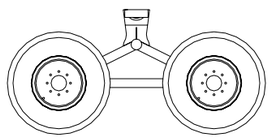

| Extension jib (HT) | ×1 |
|---|---|
| Length (L) | 2.6m |
| Width (W) | 1.07m |
| Height (H) | 1.11m |
| Weight | 0.45t |



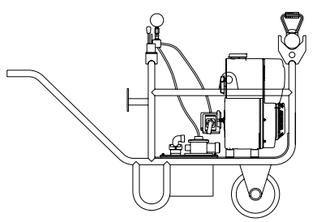

| Jib luffing hoisting mechanism | ×1 |
|---|---|
| Length (L) | 1.71m |
| Width (W) | 1.5m |
| Height (H) | 1.44m |
| Weight | 6.3t |




| Boom hoisting mechanism | ×2 |
|---|---|
| Length (L) | 2.09m |
| Width (W) | 1.34m |
| Height (H) | 1.27m |
| Weight | 7.1t |

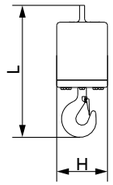


| Counterweight trolley | ×1 |
|---|---|
| Length (L) | 3.3m |
| Width (W) | 2.0m |
| Height (H) | 1.61m |
| Weight (with auxiliary luffing hoist) | 1.9t |

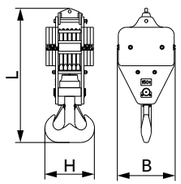


| Portable power pack | ×1 |
|---|---|
| Length (L) | 1.55m |
| Width (W) | 0.7m |
| Height (H) | 1.09m |
| Weight | 0.2t |

## Transportation Dimensions



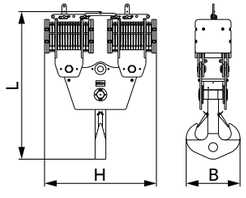

| 18T ball hook | ×1 |
|---|---|
| Length (L) | 1.3m |
| Width (W) | 0.5m |
| Height (H) | 0.5m |
| Weight | 1t |



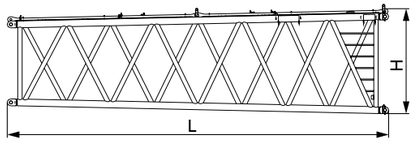

| 150T hook | ×1 |
|---|---|
| Length (L) | 2.55m |
| Width (W) | 0.95m |
| Height (H) | 1.1m |
| Weight | 4.75t |



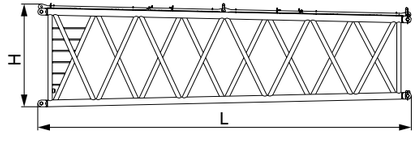

| 250T hook | ×1 |
|---|---|
| Length (L) | 3.43m |
| Width (W) | 1.07m |
| Height (H) | 1.52m |
| Weight | 8.5t |




| 650t hook | ×1 |
|---|---|
| Length (L) | 4.61m |
| Width (W) | 1.68m |
| Height (H) | 3.5m |
| Weight | 20.2t |




| 12m lower transition section (ZH4A) | ×1 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 3.56m |
| Height (H) | 3.36m |
| Weight (with auxiliary luffing hoist) | 10.8t |

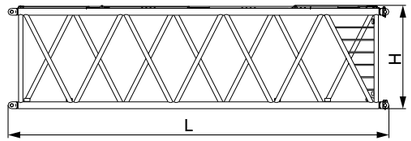



| 12m upper transition section (ZH4B) | ×1 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 3.56m |
| Height (H) | 3.36m |
| Weight | 9.2t |

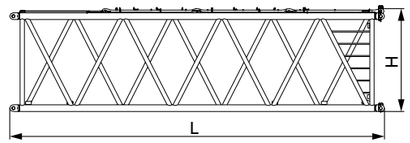




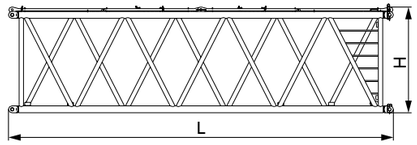
## Transportation Dimensions




| 12m insert of reinforced boom A (ZH8A) | ×1 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 3.56m |
| Height (H) | 3.36m |
| Weight | 9.4t |




| 12m insert of reinforced boom B (ZH8B) | ×1 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 2.99m |
| Height (H) | 2.84m |
| Weight | 8.4t |

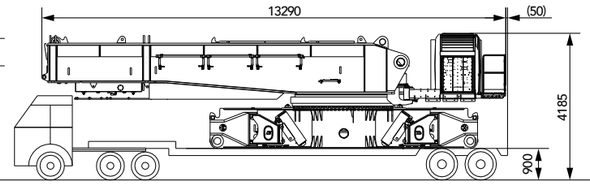



| 12m insert of reinforced boom C (ZH8C) | ×1 |
|---|---|
| Length (L) | 12.2m |
| Width (W) | 3.56m |
| Height (H) | 3.36m |
| Weight | 9.3t |

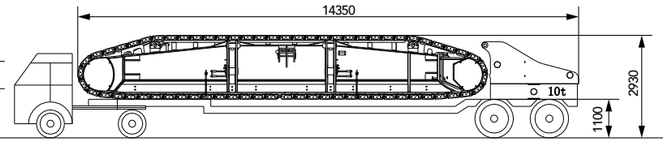
Note:
1.The transport dimensions of each part in the table are schematic, not proportional to the real parts. The dimensions are designed value without package considered.
2.Weight is designed value that the actual manufactured part may deviate a little.
3.The dimensions and weight of each part may change due to product upgrading. The final values are subject to the new product.

# Transport Plan

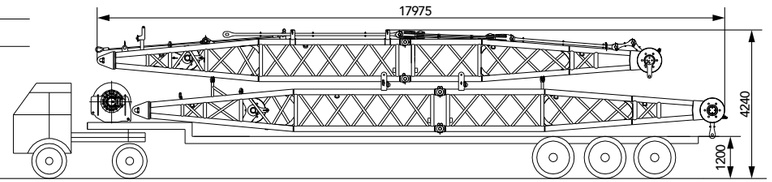
| | |
|---|---|
| Components included | ▪ Basic Machine |
| Weight | ▪ 65t |
| Number of trailer | ▪ 1 trailer |



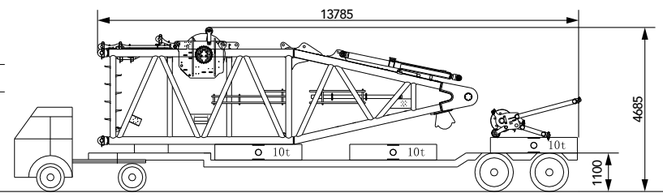

| | |
|---|---|
| Components included | ▪ Track assembly (left and right)<br>▪ 10t counterweight ×1<br>▪ Center counterweight<br>▪ Tray×1 |
| Weight | ▪ 59t |
| Number of trailer | ▪ 2 trailers |



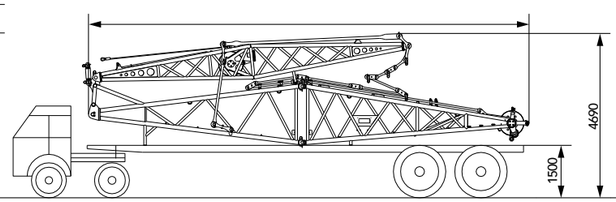

| | |
|---|---|
| Components included | ▪ Front and rear masts of luffing<br>▪ Main hoist winch×1 |
| Weight | ▪ 22.5t |
| Number of trailer | ▪ 1 trailer |



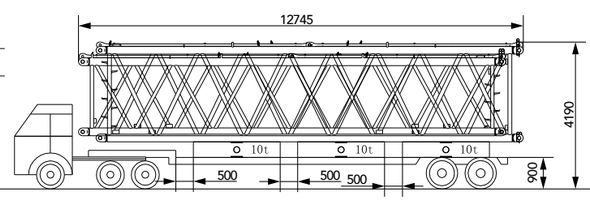

| | |
|---|---|
| Components included | ▪ Boom base<br>▪ 1 jib luffing winch<br>▪ 10t counterweight ×3<br>▪ Extension jib |
| Weight | ▪ 49.7t |
| Number of trailer | ▪ 1 trailer |




| | |
|---|---|
| Components included | ▪ Fixed jib assembly |
| Weight | ▪ 5.8t |
| Number of trailer | ▪ 1 trailer |




| | |
|---|---|
| Components included | ▪ 12m boom insert B<br>▪ 12m jib B<br>▪ 10t counterweight ×3 |
| Weight | ▪ 43.5t |
| Number of trailer | ▪ 2 trailers |

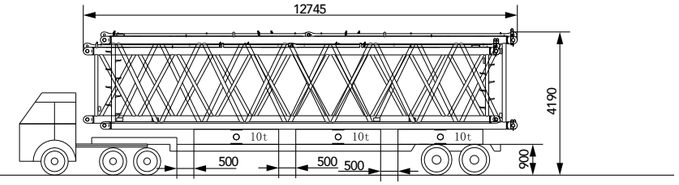




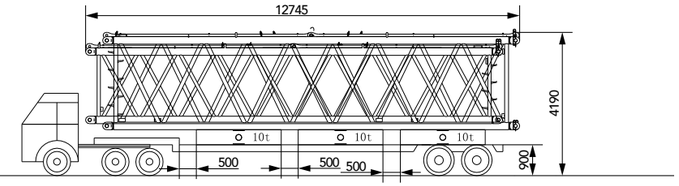



Transport Plan

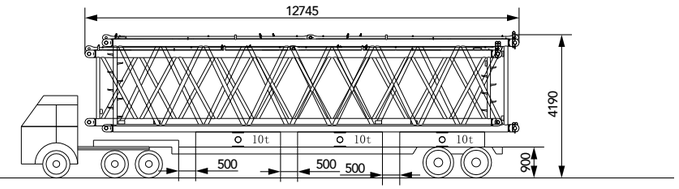
| | |
|---|---|
| Components included | ▪ 12m boom insert C<br>▪ 12m jib insert C<br>▪ 10t counterweight ×3 |
| Weight | ▪ 42.5t |
| Number of trailer | ▪ 1 trailer |



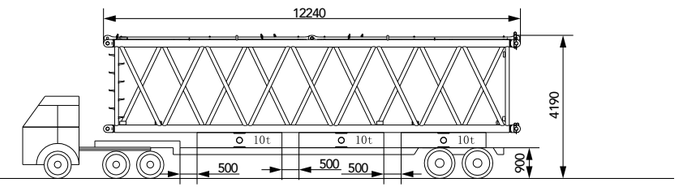

| | |
|---|---|
| Components included | ▪ 12m boom insert C<br>▪ 12m jib insert A<br>▪ 10t counterweight ×3 |
| Weight | ▪ 42.8t |
| Number of trailer | ▪ 1 trailer |



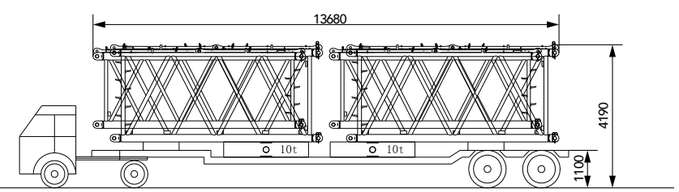

| | |
|---|---|
| Components included | ▪ 12m boom insert D<br>▪ 12m superlift mast insert<br>▪ 10t counterweight ×3 |
| Weight | ▪ 44.4t |
| Number of trailer | ▪ 1 trailer |



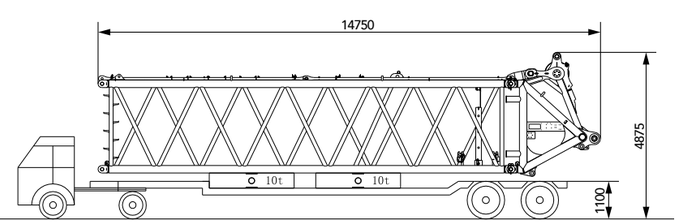

| | |
|---|---|
| Components included | ▪ 12m boom insert E<br>▪ 10t counterweight ×3 |
| Weight | ▪ 36.8t |
| Number of trailer | ▪ 1 trailer |




| | |
|---|---|
| Components included | ▪ Two sets of booms<br>▪ 6m jib insert nestling<br>▪ 10t counterweight ×2 |
| Weight | ▪ 35.6t |
| Number of trailer | ▪ 1 trailer |

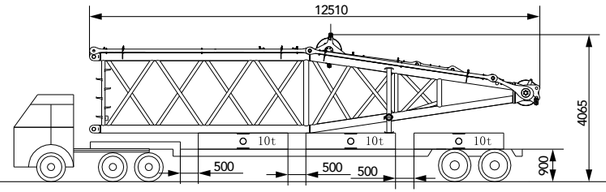



| | |
|---|---|
| Components included | ▪ Transition section of the boom<br>▪ Boom tip<br>▪ 10t counterweight ×2 |
| Weight | ▪ 34.5t |
| Number of trailer | ▪ 1 trailer |

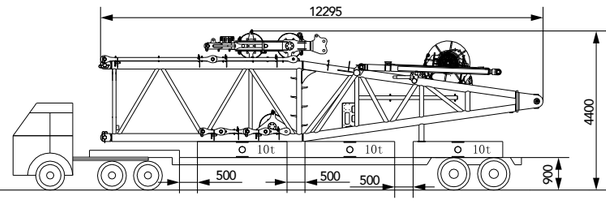


# Transport Plan

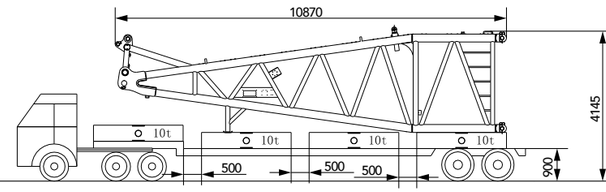
| | |
|---|---|
| Components included | ▪ Superlift mast top<br>▪ 10t counterweight ×3 |
| Weight | ▪ 40.6t |
| Number of trailer | ▪ 1 trailer |



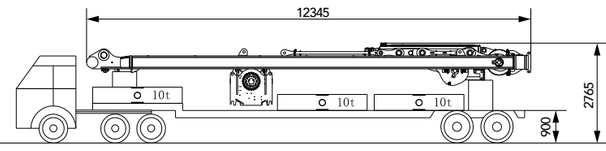

| | |
|---|---|
| Components included | ▪ Superlift mast base<br>▪ Superlift hoist<br>▪ 10t counterweight ×3 |
| Weight | ▪ 50.5t |
| Number of trailer | ▪ 1 trailer |



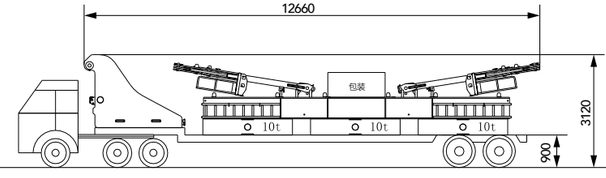

| | |
|---|---|
| Components included | ▪ Jib base<br>▪ 10t counterweight ×4 |
| Weight | ▪ 48t |
| Number of trailer | ▪ 1 trailer |



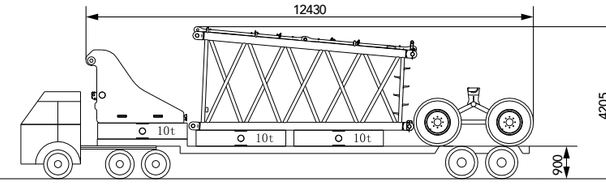

| | |
|---|---|
| Components included | ▪ Boom luffing mast<br>▪ Boom luffing winch<br>▪ 10t counterweight ×3 |
| Weight | ▪ 50.4t |
| Number of trailer | ▪ 1 trailer |




| | |
|---|---|
| Components included | ▪ Superlift counterweight tray<br>▪ Rear Counterweight Tray<br>▪ 10t counterweight ×3<br>▪ Package |
| Weight | ▪ 46.9t |
| Number of trailer | ▪ 1 trailer |




| | |
|---|---|
| Components included | ▪ 6m jib tapered section<br>▪ Rear Counterweight tray<br>▪ 10t counterweight ×3<br>▪ Small trolley |
| Weight | ▪ 41.3t |
| Number of trailer | ▪ 1 trailer |

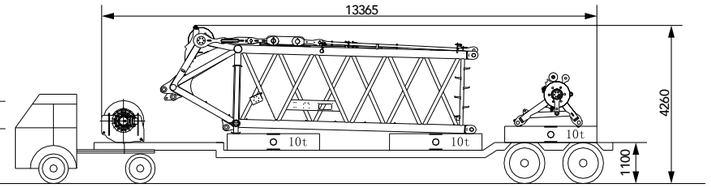




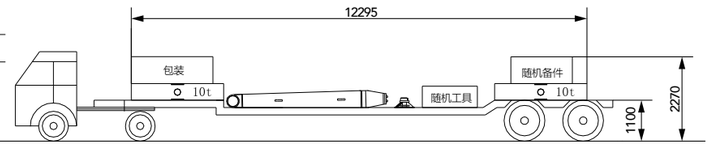



Transport Plan

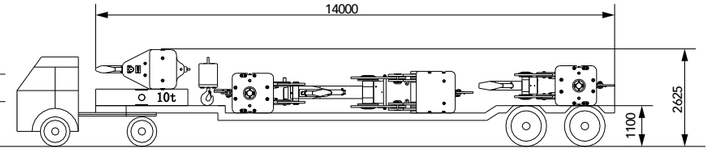
| | |
|---|---|
| Components included | ▪ Jib top<br>▪ Pulley block×2<br>▪ Main hoist gear ×1<br>▪ 10t counterweight ×3 |
| Weight | ▪ 48.3t |
| Number of trailer | ▪ 1 trailer |



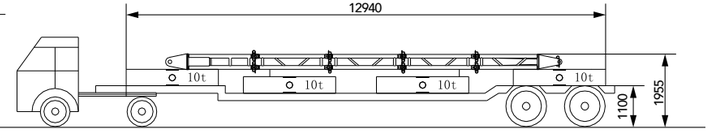

| | |
|---|---|
| Components included | ▪ Two track outriggers, package<br>▪ Attachment tools and accessories<br>▪ 10t counterweight ×2 |
| Weight | ▪ 31.5t |
| Number of trailer | ▪ 1 trailer |



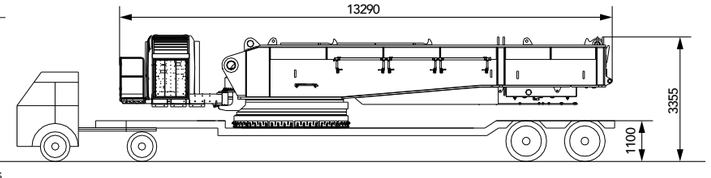

| | |
|---|---|
| Components included | ▪ 650t lifting hook、<br>▪ 250t lifting hook、<br>▪ 150t lifting hook、<br>▪ 150t lifting hook B、<br>▪ 18t ball hook<br>▪ 10t counterweight ×1 |
| Weight | ▪ 39.8t |
| Number of trailer | ▪ 1 trailer |



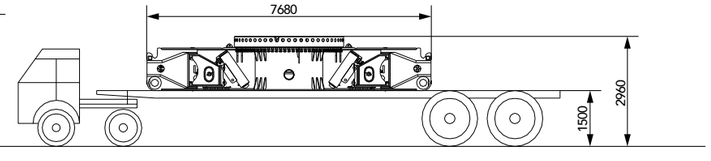

| | |
|---|---|
| Components included | ▪ Superlift mast strut、<br>▪ 10t counterweight ×4 |
| Weight | ▪ 42.7t |
| Number of trailer | ▪ 1 trailer |



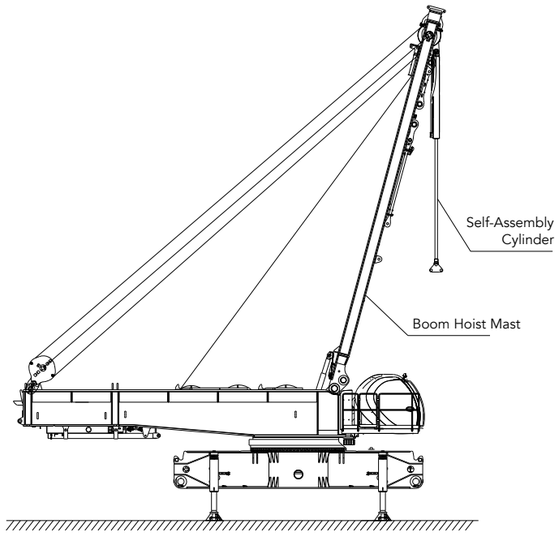

| | |
|---|---|
| Components included | ▪ Basic machine (Upperworks and lowerworks separated) |
| Weight | ▪ 44.5t |
| Number of trailer | ▪ 1 trailer |

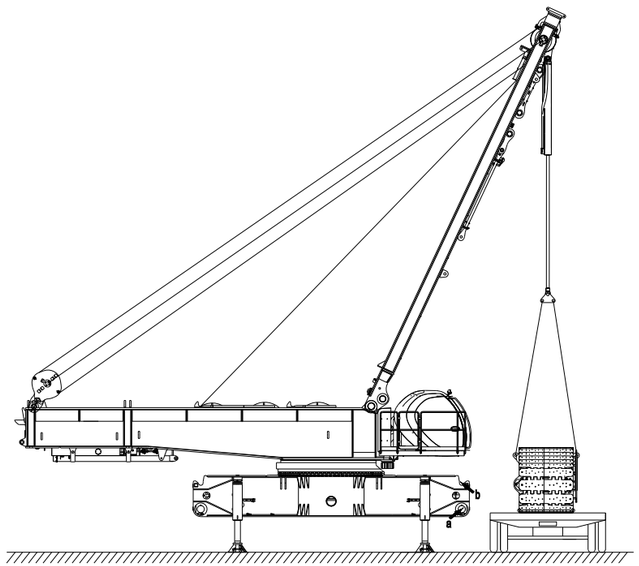



| | |
|---|---|
| Components included | ▪ Basic machine (Upperworks and lowerworks separated) |
| Weight | ▪ 28.5t |
| Number of trailer | ▪ 1 trailer |



## Self-Assembly and Disassembly plan



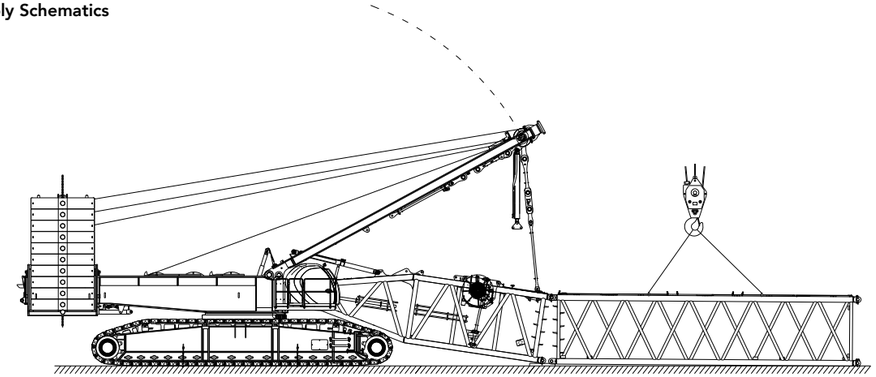



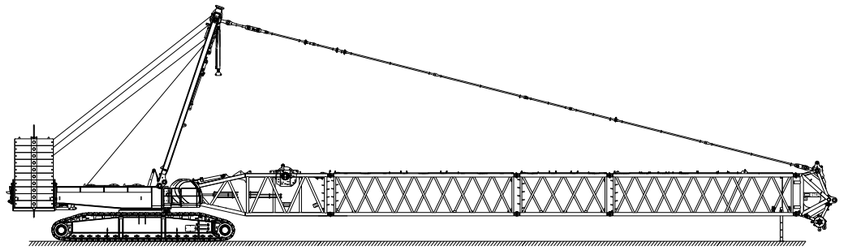




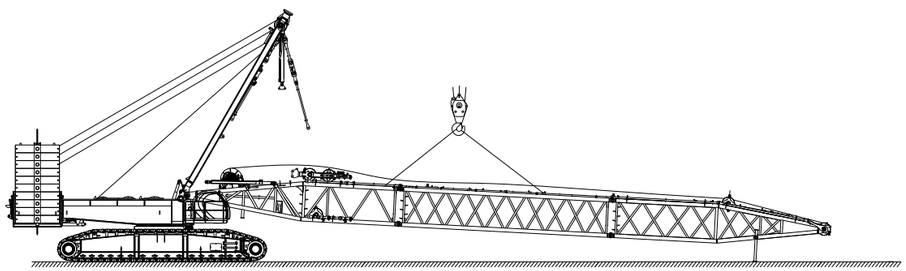
## Assembly Schematics

1） Assembly Schematics

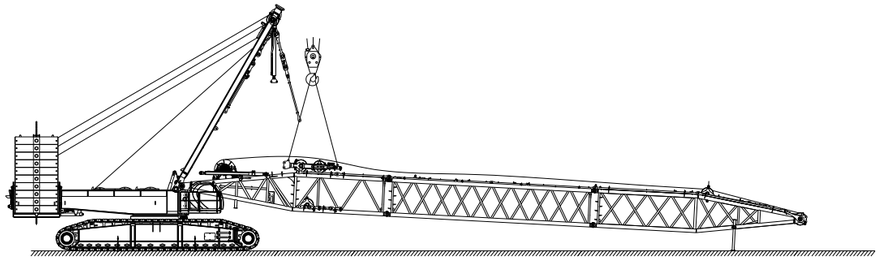


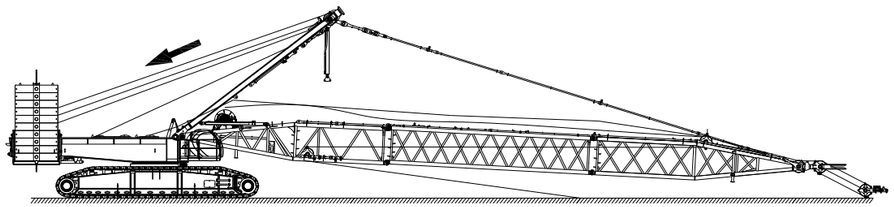


2） Superlift Mast Assembly

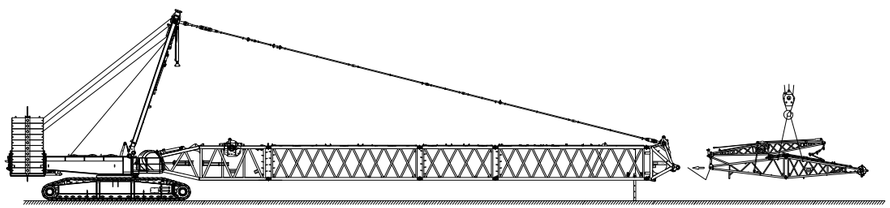


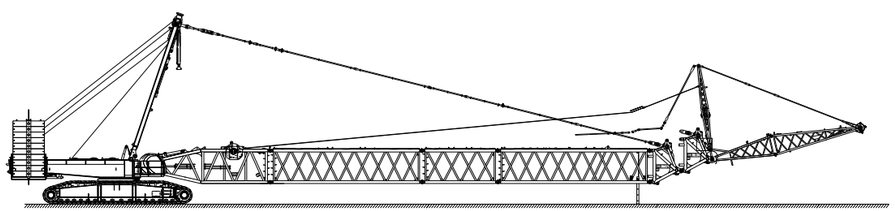
## Assembly Schematics





3） Fixed jib assembly schematics

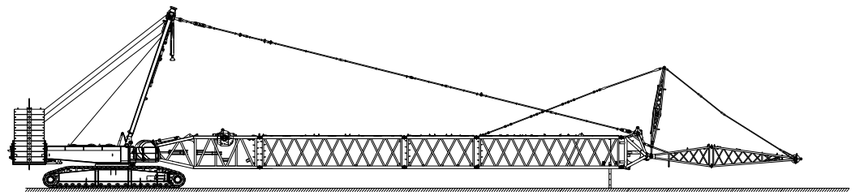




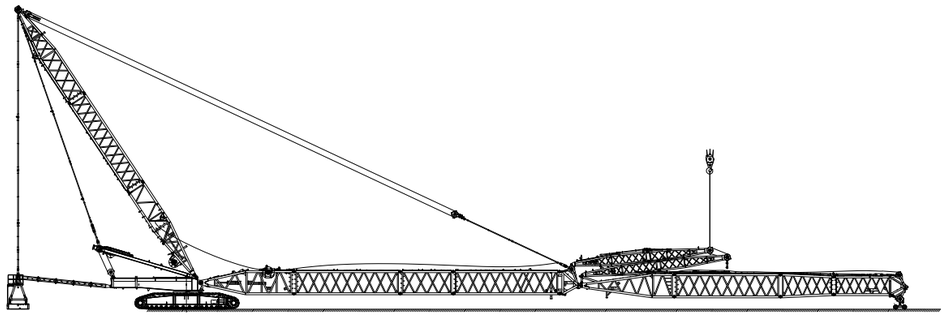


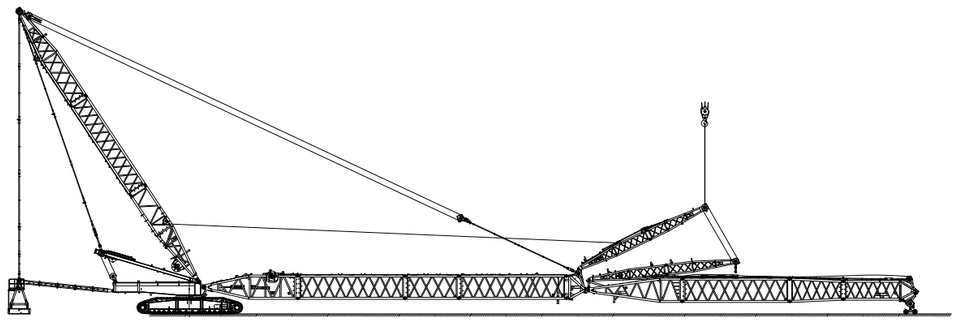


Assembly Schematics

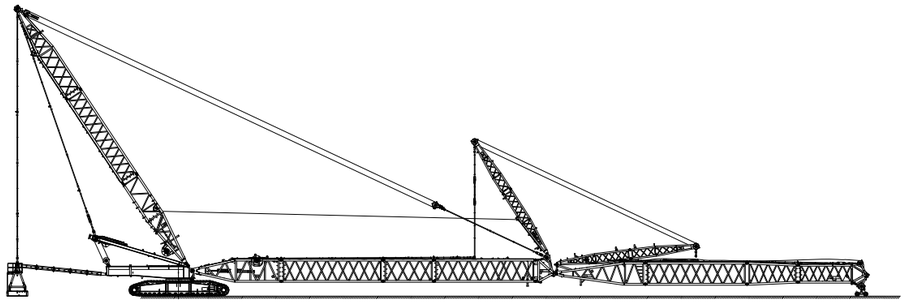


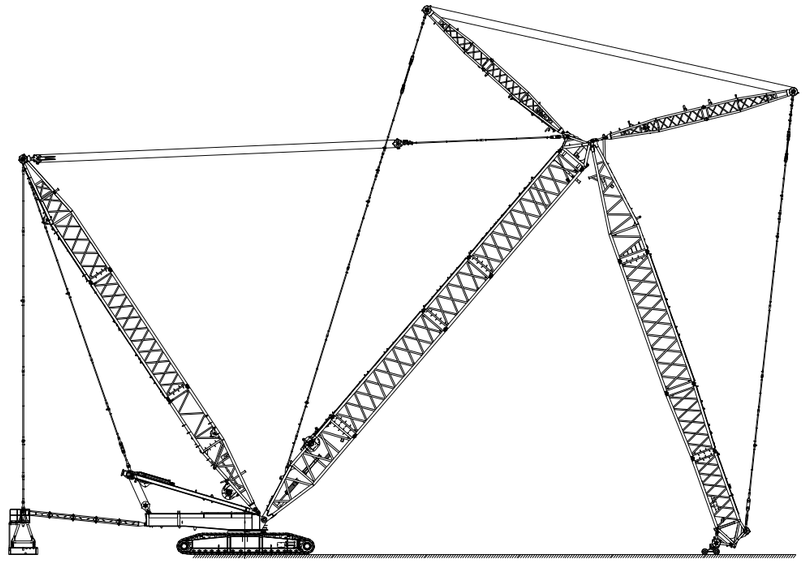
4） Luffing jib assembly schematics





## Assembly Schematics





C

# SCC6500A
# SANY CRAWLER CRANE
# 650 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

## Cofigurations


- Page 32 H working condition
- Page 35 HDB working condition
- Page 41 HJ working condition
- Page 44 HJDB working condition
- Page 50 FJ working condition
- Page 55 FJDB working condition
- Page 60 HJFJ_1 working condition
- Page 65 HJFJ working condition
- Page 70 HJFJDB working condition
- Page 75 HJFJDB_4 working condition
- Page 80 LJ working condition
- Page 89 LJDB working condition

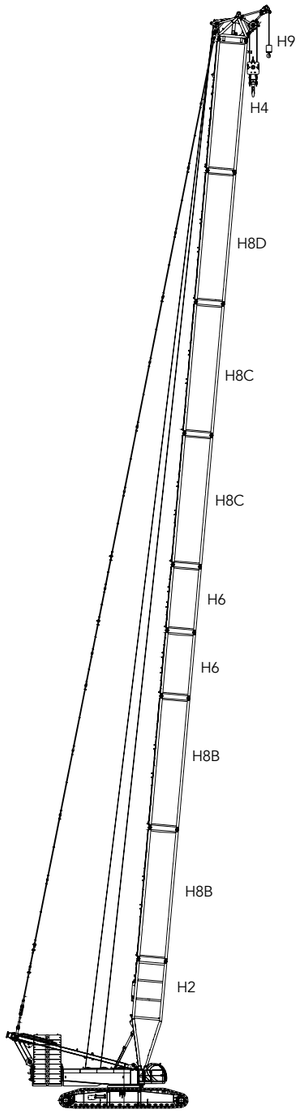

> 31

## H Boom Combination

**H Boom Combination**

| Boom length (m) | Insert 6m | Insert 12mB | Insert 12mC | Insert 12mD |
|---|---|---|---|---|
| 24 | — | — | — | — |
| 30 | 1 | — | — | — |
| 36 | 2 | — | — | — |
| 42 | 1 | 2 | — | — |
| 48 | 2 | 2 | — | — |
| 54 | 1 | 2 | — | — |
| 60 | 2 | 2 | — | — |
| 66 | 1 | 2 | 1 | — |
| 72 | 2 | 2 | 1 | — |
| 78 | 1 | 2 | 2 | — |
| 84 | 2 | 2 | 2 | — |
| 90 | 1 | 2 | 2 | 1 |
| 96 | 2 | 2 | 2 | 1 |

Note: 24m basic boom consists 10.5m boom base, 12m transitional section, and connecting tip (boom tip).

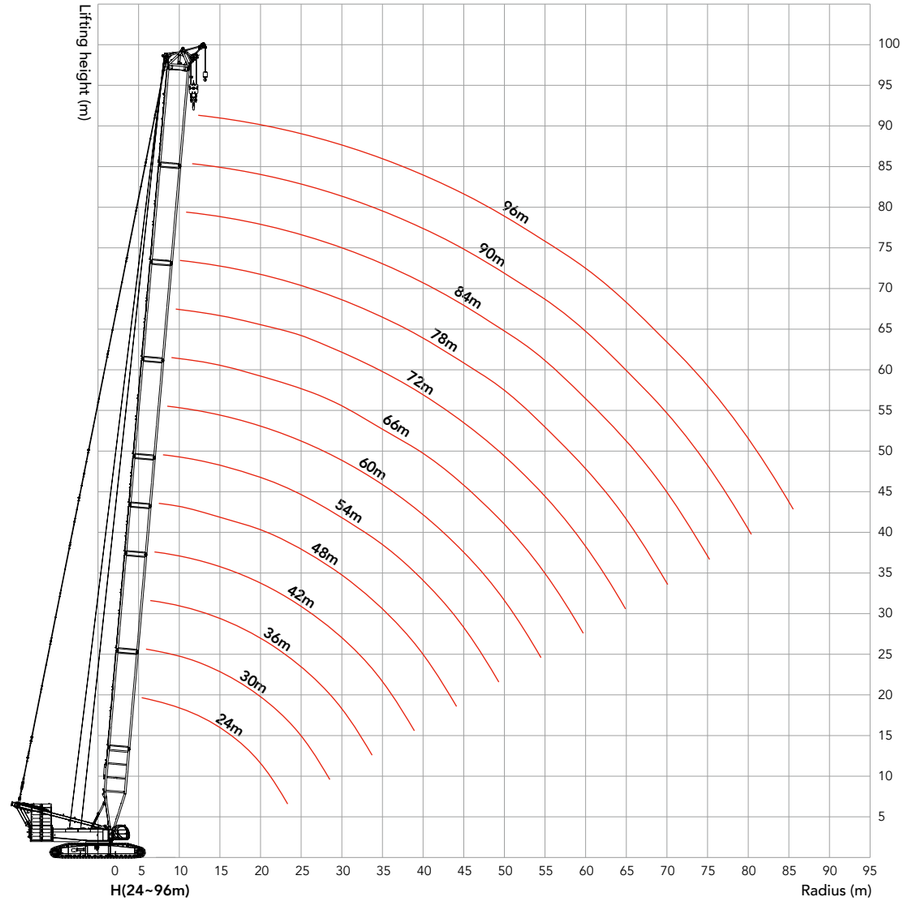



H(24~96m)





## H Work Radius




H(24~96m)

Unit: t

## Load Chart of H Configuration

**SCC6500A Crawler Crane - Load Chart of H Configuration 1/1**

The boom length ranges 24m ~ 96m, the rear counterweight is 210t, the carbody counterweight is 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.5 | 650 | | | | | | | | | | | | | 5.5 |
| 6 | 622 | 610 | | | | | | | | | | | | 6 |
| 7 | 560 | 554 | 548 | | | | | | | | | | | 7 |
| 8 | 484 | 480 | 475 | 468 | 433 | | | | | | | | | 8 |
| 9 | 426 | 422 | 418 | 412 | 380 | 370 | 351 | | | | | | | 9 |
| 10 | 380 | 376 | 370 | 362 | 345 | 333 | 315 | 302 | 287 | | | | | 10 |
| 11 | 340 | 336 | 325 | 317 | 309 | 300 | 286 | 275 | 262 | 250 | 239 | | | 11 |
| 12 | 298 | 297 | 288 | 280 | 275 | 267 | 258 | 248 | 239 | 230 | 218 | 208 | 200 | 12 |
| 14 | 231 | 232 | 231 | 228 | 225 | 219 | 212 | 205 | 198 | 192 | 185 | 175 | 168 | 14 |
| 16 | 190 | 188 | 187 | 186 | 184 | 181 | 179 | 172 | 168 | 163 | 157 | 151 | 145 | 16 |
| 18 | 158 | 158 | 157 | 156 | 153 | 150 | 149 | 147 | 145 | 140 | 137 | 132 | 127 | 18 |
| 20 | 137 | 136 | 134 | 133 | 131 | 129 | 127 | 126 | 125 | 122 | 120 | 116 | 112 | 20 |
| 22 | 120 | 118 | 117 | 115 | 113 | 112 | 111 | 109 | 108 | 107 | 105 | 102 | 98 | 22 |
| 24 | | 105 | 104 | 102 | 100 | 99 | 97 | 96 | 95 | 94 | 93 | 90 | 86 | 24 |
| 26 | | 94 | 93 | 91 | 89 | 88 | 87 | 85 | 84 | 83 | 82 | 79 | 76 | 26 |
| 28 | | 85 | 84 | 82 | 79 | 78 | 77 | 76 | 75 | 74 | 73 | 70 | 68 | 28 |
| 30 | | | 77 | 74 | 71 | 70 | 70 | 68 | 67 | 66 | 65 | 63 | 61 | 30 |
| 32 | | | 72 | 68 | 64 | 63 | 62 | 61 | 60 | 59 | 58 | 57 | 55 | 32 |
| 34 | | | | 62 | 58 | 57 | 56 | 55 | 54 | 53 | 52 | 51 | 49.5 | 34 |
| 36 | | | | 56 | 52 | 52 | 51 | 51 | 50 | 48.0 | 47.0 | 46.0 | 44.5 | 36 |
| 38 | | | | 52 | 48.5 | 48.0 | 47.0 | 46.0 | 45.0 | 43.5 | 42.5 | 41.5 | 39.5 | 38 |
| 40 | | | | | 45.0 | 44.5 | 42.5 | 42.5 | 41.0 | 39.5 | 38.5 | 37.0 | 35.5 | 40 |
| 44 | | | | | 39.0 | 38.0 | 37.0 | 36.0 | 34.0 | 32.5 | 31.5 | 30.5 | 28.6 | 44 |
| 48 | | | | | | 33.5 | 32.0 | 30.5 | 28.6 | 27.2 | 26.2 | 25.2 | 23.7 | 48 |
| 52 | | | | | | | 27.5 | 25.9 | 24.2 | 23.3 | 21.5 | 20.8 | 19.4 | 52 |
| 56 | | | | | | | | 22.4 | 20.2 | 19.4 | 17.6 | 17.1 | 15.5 | 56 |
| 60 | | | | | | | | | 16.6 | 15.7 | 13.8 | 13.3 | 11.7 | 60 |
| 64 | | | | | | | | | 13.5 | 12.5 | 10.6 | 10.0 | 8.4 | 64 |
| 68 | | | | | | | | | | 9.9 | 7.8 | 7.3 | 6.1 | 68 |
| 72 | | | | | | | | | | | 6.1 | 5.6 | | 72 |



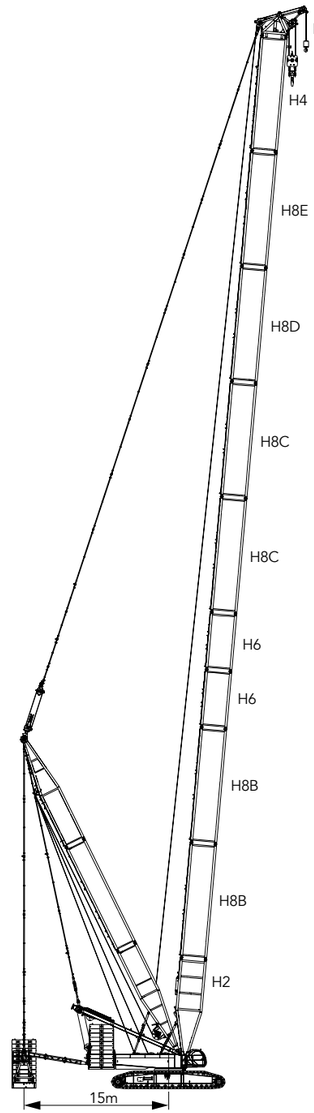


## HDB Boom Combination

**HDB Boom Combination**

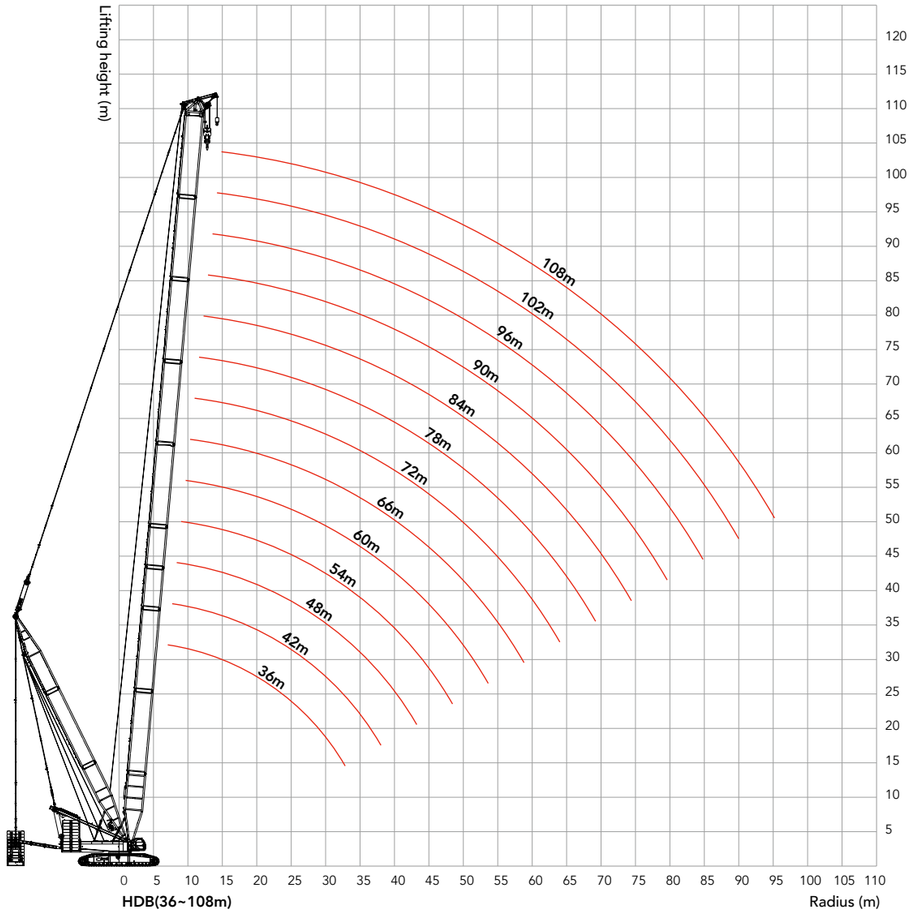
| Boom length (m) | Insert 6m | 12mB | 12mC | 12mD | 12mE |
|---|---|---|---|---|---|
| 36 | 2 | — | — | — | — |
| 42 | 1 | 2 | — | — | — |
| 48 | 2 | 2 | — | — | — |
| 54 | 1 | 2 | — | — | — |
| 60 | 2 | 2 | — | — | — |
| 66 | 1 | 2 | 1 | — | — |
| 72 | 2 | 2 | 1 | — | — |
| 78 | 1 | 2 | 2 | — | — |
| 84 | 2 | 2 | 2 | — | — |
| 90 | 1 | 2 | 2 | 1 | — |
| 96 | 2 | 2 | 2 | 1 | — |
| 102 | 1 | 2 | 2 | 1 | 1 |
| 108 | 2 | 2 | 2 | 1 | 1 |

Notes: The 10.5m boom base, 12m transition boom and the boom head are must.




**HDB(36~108m)**

## HDB Work Radius






Unit: t

## Load Chart of HDB Congfiguration

**SCC6500A Crawler Crane - Load Chart of HDB Congfiguration 1/4**

The boom length ranges 36 ~ 108m, the superlift radius is 19m, the superlift counterweight is 310t, the rear counterweight is 210t, the carbody counterweight is 60t

| Radius (m) | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 650* | | | | | | | | | | | | | 7 |
| 8 | 650* | 650* | 650* | | | | | | | | | | | 8 |
| 9 | 650* | 650* | 650* | 650* | 602* | | | | | | | | | 9 |
| 10 | 650* | 650* | 650* | 648* | 595* | 510* | 453* | | | | | | | 10 |
| 11 | 650* | 649 | 648 | 645 | 589* | 503* | 453* | 388* | 338* | | | | | 11 |
| 12 | 650 | 648 | 646 | 644 | 584 | 496* | 448* | 388* | 338* | 301* | 266* | | | 12 |
| 14 | 595 | 581 | 565 | 563 | 560 | 476 | 435* | 387* | 338* | 301* | 266* | 226* | 201* | 14 |
| 16 | 518 | 528 | 524 | 507 | 481 | 454 | 423 | 380* | 335* | 301* | 266* | 227* | 201* | 16 |
| 18 | 447 | 478 | 476 | 473 | 453 | 431 | 407 | 371 | 330* | 300* | 265* | 226* | 202* | 18 |
| 20 | 413 | 424 | 425 | 423 | 420 | 414 | 403 | 359 | 325 | 298* | 264* | 226* | 201* | 20 |
| 22 | 373 | 376 | 384 | 382 | 379 | 375 | 366 | 356 | 320 | 296 | 262* | 227* | 201* | 22 |
| 24 | 351 | 353 | 350 | 348 | 345 | 341 | 334 | 326 | 316 | 294 | 259 | 225* | 201* | 24 |
| 26 | 313 | 323 | 321 | 319 | 317 | 315 | 307 | 300 | 292 | 284 | 257 | 226 | 201* | 26 |
| 28 | 279 | 299 | 296 | 294 | 292 | 291 | 289 | 278 | 270 | 264 | 254 | 225 | 201 | 28 |
| 30 | 265 | 277 | 275 | 273 | 271 | 269 | 267 | 265 | 252 | 246 | 239 | 225 | 201 | 30 |
| 32 | 236 | 257 | 256 | 254 | 252 | 251 | 249 | 246 | 245 | 230 | 224 | 218 | 200 | 32 |
| 34 | | 241 | 239 | 238 | 236 | 234 | 232 | 230 | 229 | 216 | 210 | 205 | 199 | 34 |
| 36 | | 224 | 224 | 223 | 221 | 220 | 218 | 215 | 214 | 213 | 198 | 193 | 188 | 36 |
| 38 | | 213 | 211 | 210 | 208 | 207 | 205 | 202 | 201 | 200 | 198 | 183 | 177 | 38 |
| 40 | | | 199 | 198 | 196 | 195 | 193 | 190 | 190 | 189 | 187 | 173 | 168 | 40 |
| 44 | | | 179 | 177 | 175 | 174 | 173 | 170 | 169 | 169 | 167 | 166 | 152 | 44 |
| 48 | | | | 160 | 158 | 157 | 156 | 153 | 152 | 152 | 150 | 149 | 147 | 48 |
| 52 | | | | | 144 | 143 | 141 | 139 | 138 | 137 | 136 | 135 | 133 | 52 |
| 56 | | | | | | 130 | 129 | 126 | 126 | 125 | 123 | 122 | 121 | 56 |
| 60 | | | | | | | 118 | 115 | 115 | 114 | 113 | 112 | 110 | 60 |
| 64 | | | | | | | 109 | 106 | 106 | 105 | 103 | 102 | 101 | 64 |
| 68 | | | | | | | | 97.6 | 97.4 | 96.7 | 95 | 94.1 | 92.4 | 68 |
| 72 | | | | | | | | | 90.1 | 89.4 | 87.6 | 86.8 | 85.1 | 72 |

Unit: t

## Load Chart of HDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of HDB Congfiguration 2/4

The boom length ranges 36 ~ 108m, the superlift radius is 17m, the superlift counterweight is 310t, the rear counterweight is 210t, the carbody counterweight is 60t

| Radius (m) | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 650* | | | | | | | | | | | | | 7 |
| 8 | 650* | 650* | 650* | | | | | | | | | | | 8 |
| 9 | 650* | 650* | 650* | 650* | 602* | | | | | | | | | 9 |
| 10 | 650 | 650 | 650 | 648 | 595* | 510* | 453* | | | | | | | 10 |
| 11 | 650 | 649 | 648 | 645 | 584 | 503* | 453* | 388* | 338* | | | | | 11 |
| 12 | 650 | 648 | 646 | 644 | 584 | 496* | 448* | 388* | 338* | 301* | 267* | | | 12 |
| 14 | 586 | 586 | 565 | 563 | 560 | 476 | 435 | 387* | 338* | 301* | 267* | 228* | 202* | 14 |
| 16 | 512 | 509 | 505 | 502 | 481 | 454 | 423 | 380 | 335* | 301* | 266* | 227* | 203* | 16 |
| 18 | 452 | 449 | 446 | 444 | 441 | 430 | 407 | 360 | 330 | 300* | 265* | 228* | 203* | 18 |
| 20 | 397 | 402 | 399 | 397 | 394 | 392 | 373 | 360 | 325 | 298 | 264* | 229* | 202* | 20 |
| 22 | 365 | 363 | 360 | 358 | 356 | 354 | 351 | 346 | 316 | 296 | 262 | 227* | 203* | 22 |
| 24 | 333 | 331 | 328 | 326 | 324 | 322 | 320 | 317 | 306 | 280 | 259 | 228 | 202* | 24 |
| 26 | 305 | 303 | 301 | 299 | 297 | 295 | 293 | 290 | 283 | 274 | 250 | 228 | 202 | 26 |
| 28 | 281 | 280 | 277 | 275 | 273 | 272 | 270 | 267 | 263 | 255 | 233 | 225 | 201 | 28 |
| 30 | 261 | 259 | 257 | 255 | 253 | 252 | 250 | 247 | 246 | 239 | 230 | 211 | 201 | 30 |
| 32 | 234 | 242 | 239 | 238 | 236 | 234 | 232 | 230 | 229 | 224 | 216 | 210 | 191 | 32 |
| 34 | | 226 | 224 | 222 | 220 | 219 | 217 | 214 | 214 | 211 | 204 | 198 | 191 | 34 |
| 36 | | 212 | 210 | 208 | 206 | 205 | 203 | 201 | 200 | 199 | 193 | 187 | 180 | 36 |
| 38 | | 199 | 197 | 196 | 194 | 193 | 191 | 188 | 188 | 187 | 182 | 177 | 171 | 38 |
| 40 | | | 186 | 185 | 183 | 182 | 180 | 177 | 177 | 176 | 173 | 168 | 162 | 40 |
| 44 | | | 167 | 165 | 163 | 162 | 161 | 158 | 158 | 157 | 155 | 153 | 147 | 44 |
| 48 | | | | 149 | 147 | 146 | 145 | 142 | 142 | 141 | 139 | 138 | 134 | 48 |
| 52 | | | | | 134 | 133 | 131 | 129 | 128 | 127 | 125 | 125 | 123 | 52 |
| 56 | | | | | | 121 | 119 | 117 | 116 | 116 | 114 | 113 | 111 | 56 |
| 60 | | | | | | | 109 | 107 | 106 | 106 | 104 | 103 | 101 | 60 |
| 64 | | | | | | | 100 | 97.8 | 97.6 | 96.8 | 95.1 | 94.2 | 92.5 | 64 |
| 68 | | | | | | | | 89.9 | 89.7 | 89 | 87.3 | 86.4 | 84.7 | 68 |
| 72 | | | | | | | | | 82.8 | 82.1 | 80.4 | 79.5 | 77.8 | 72 |





Unit: t

## Load Chart of HDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of HDB Congfiguration 3/4

The boom length ranges 36 ~ 108m, the superlift radius is 15m, the superlift counterweight is 310t, the rear counterweight is 210t, the carbody counterweight is 60t

| Radius (m) | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 650* | | | | | | | | | | | | | 7 |
| 8 | 650* | 650* | 650* | | | | | | | | | | | 8 |
| 9 | 650 | 650 | 650 | 650 | 602* | | | | | | | | | 9 |
| 10 | 650 | 650 | 650 | 648 | 595 | 510* | 453* | | | | | | | 10 |
| 11 | 650 | 649 | 648 | 645 | 584 | 503 | 453* | 388* | 338* | | | | | 11 |
| 12 | 649 | 644 | 630 | 635 | 584 | 496 | 448 | 388* | 338* | 301* | 267* | | | 12 |
| 14 | 551 | 548 | 544 | 541 | 537 | 476 | 435 | 387 | 338* | 301* | 267* | 228* | 204* | 14 |
| 16 | 479 | 476 | 472 | 470 | 466 | 453 | 423 | 380 | 335 | 301* | 266* | 229* | 204* | 16 |
| 18 | 423 | 420 | 417 | 414 | 412 | 409 | 399 | 360 | 330 | 300 | 265 | 230* | 204* | 18 |
| 20 | 378 | 375 | 373 | 370 | 368 | 366 | 361 | 345 | 329 | 298 | 264 | 229* | 203* | 20 |
| 22 | 341 | 339 | 336 | 334 | 332 | 330 | 328 | 316 | 302 | 296 | 262 | 230 | 203* | 22 |
| 24 | 310 | 308 | 306 | 304 | 302 | 300 | 298 | 291 | 278 | 267 | 256 | 230 | 202 | 24 |
| 26 | 285 | 283 | 280 | 279 | 276 | 275 | 273 | 270 | 258 | 248 | 238 | 228 | 202 | 26 |
| 28 | 262 | 261 | 259 | 257 | 255 | 253 | 251 | 249 | 241 | 232 | 222 | 214 | 201 | 28 |
| 30 | 243 | 242 | 240 | 238 | 236 | 234 | 232 | 230 | 229 | 217 | 208 | 201 | 192 | 30 |
| 32 | 227 | 225 | 223 | 221 | 219 | 218 | 216 | 214 | 213 | 211 | 196 | 189 | 181 | 32 |
| 34 | | 210 | 208 | 207 | 205 | 203 | 202 | 199 | 198 | 197 | 195 | 178 | 171 | 34 |
| 36 | | 197 | 195 | 194 | 192 | 191 | 189 | 186 | 185 | 184 | 182 | 169 | 162 | 36 |
| 38 | | 185 | 183 | 182 | 180 | 179 | 177 | 175 | 174 | 173 | 171 | 170 | 154 | 38 |
| 40 | | | 173 | 171 | 170 | 169 | 167 | 164 | 164 | 163 | 161 | 160 | 156 | 40 |
| 44 | | | 155 | 153 | 151 | 151 | 149 | 146 | 146 | 145 | 143 | 142 | 140 | 44 |
| 48 | | | | 138 | 136 | 135 | 134 | 131 | 131 | 130 | 128 | 127 | 125 | 48 |
| 52 | | | | | 124 | 123 | 121 | 118 | 118 | 117 | 115 | 114 | 113 | 52 |
| 56 | | | | | | 112 | 110 | 107 | 107 | 106 | 105 | 104 | 102 | 56 |
| 60 | | | | | | | 100 | 97.9 | 97.7 | 96.9 | 95.2 | 94.3 | 92.5 | 60 |
| 64 | | | | | | | 92.1 | 89.5 | 89.4 | 88.6 | 86.9 | 86 | 84.3 | 64 |
| 68 | | | | | | | | 82.1 | 82 | 81.3 | 79.6 | 78.8 | 77 | 68 |
| 72 | | | | | | | | | 75.5 | 74.8 | 73.1 | 72.3 | 70.5 | 72 |

Unit: t

## Load Chart of HDB Congfiguration

**SCC6500A Crawler Crane - Load Chart of HDB Congfiguration 4/4**

The boom length ranges 36 ~ 108m, the superlift radius is 13m, the superlift counterweight is 310t, the rear counterweight is 210t, the carbody counterweight is 60t

| Radius (m) | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 650* | | | | | | | | | | | | | 7 |
| 8 | 650 | 650 | 650 | | | | | | | | | | | 8 |
| 9 | 650 | 650 | 650 | 650 | 602 | | | | | | | | | 9 |
| 10 | 650 | 650 | 650 | 648 | 595 | 510 | 453* | | | | | | | 10 |
| 11 | 650 | 649 | 648 | 645 | 584 | 503 | 453 | 388* | 338* | | | | | 11 |
| 12 | 604 | 600 | 595 | 586 | 565 | 496 | 448 | 387 | 338* | 301* | 267* | | | 12 |
| 14 | 513 | 510 | 506 | 503 | 499 | 473 | 432 | 380 | 338 | 301* | 267* | 230* | 204* | 14 |
| 16 | 446 | 443 | 439 | 437 | 434 | 431 | 403 | 360 | 335 | 301 | 266 | 231* | 204* | 16 |
| 18 | 393 | 391 | 388 | 385 | 382 | 380 | 377 | 328 | 330 | 300 | 265 | 232 | 204* | 18 |
| 20 | 351 | 349 | 346 | 344 | 341 | 340 | 337 | 301 | 310 | 295 | 264 | 232 | 203 | 20 |
| 22 | 317 | 315 | 312 | 310 | 308 | 306 | 304 | 278 | 285 | 272 | 259 | 231 | 203 | 22 |
| 24 | 288 | 286 | 284 | 282 | 280 | 278 | 276 | 254 | 264 | 252 | 240 | 229 | 202 | 24 |
| 26 | 264 | 262 | 260 | 258 | 256 | 255 | 253 | 234 | 246 | 235 | 224 | 214 | 200 | 26 |
| 28 | 244 | 242 | 240 | 238 | 236 | 235 | 232 | 216 | 229 | 220 | 210 | 201 | 191 | 28 |
| 30 | 226 | 224 | 222 | 220 | 218 | 217 | 215 | 201 | 211 | 207 | 197 | 189 | 180 | 30 |
| 32 | 210 | 208 | 206 | 205 | 203 | 202 | 200 | 187 | 196 | 195 | 186 | 178 | 170 | 32 |
| 34 | | 195 | 193 | 191 | 189 | 188 | 186 | 175 | 183 | 182 | 177 | 169 | 161 | 34 |
| 36 | | 182 | 181 | 179 | 177 | 176 | 174 | 164 | 171 | 170 | 168 | 161 | 153 | 36 |
| 38 | | 171 | 170 | 168 | 166 | 165 | 163 | 154 | 160 | 159 | 157 | 153 | 146 | 38 |
| 40 | | | 160 | 158 | 156 | 155 | 154 | 137 | 150 | 150 | 148 | 146 | 139 | 40 |
| 44 | | | 143 | 141 | 140 | 139 | 137 | 123 | 134 | 133 | 131 | 130 | 128 | 44 |
| 48 | | | | 127 | 125 | 124 | 123 | 111 | 120 | 119 | 117 | 116 | 114 | 48 |
| 52 | | | | | 113 | 113 | 111 | 101 | 108 | 107 | 105 | 104 | 103 | 52 |
| 56 | | | | | | 102 | 101 | 91.9 | 97.8 | 97 | 95.2 | 94.3 | 92.5 | 56 |
| 60 | | | | | | | 91.7 | 84 | 88.9 | 88.2 | 86.4 | 85.6 | 83.8 | 60 |
| 64 | | | | | | | 83.9 | 77 | 81.2 | 80.5 | 78.7 | 77.9 | 76.1 | 64 |
| 68 | | | | | | | | | 74.3 | 73.6 | 71.9 | 71.1 | 69.3 | 68 |
| 72 | | | | | | | | | 68.2 | 67.5 | 65.8 | 65 | 63.3 | 72 |



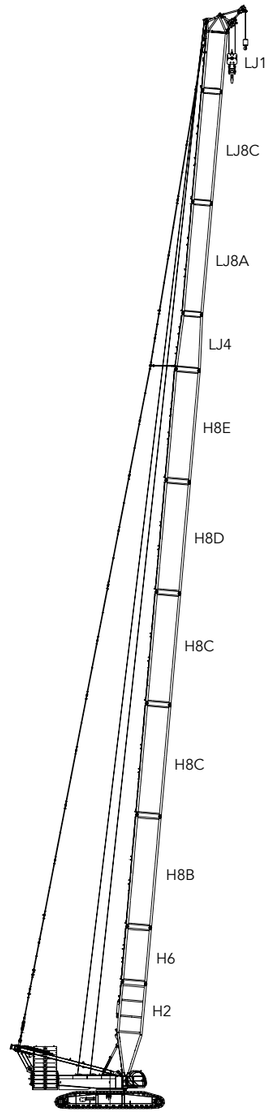


## HJ Boom Combination

**HJ Boom Combination**

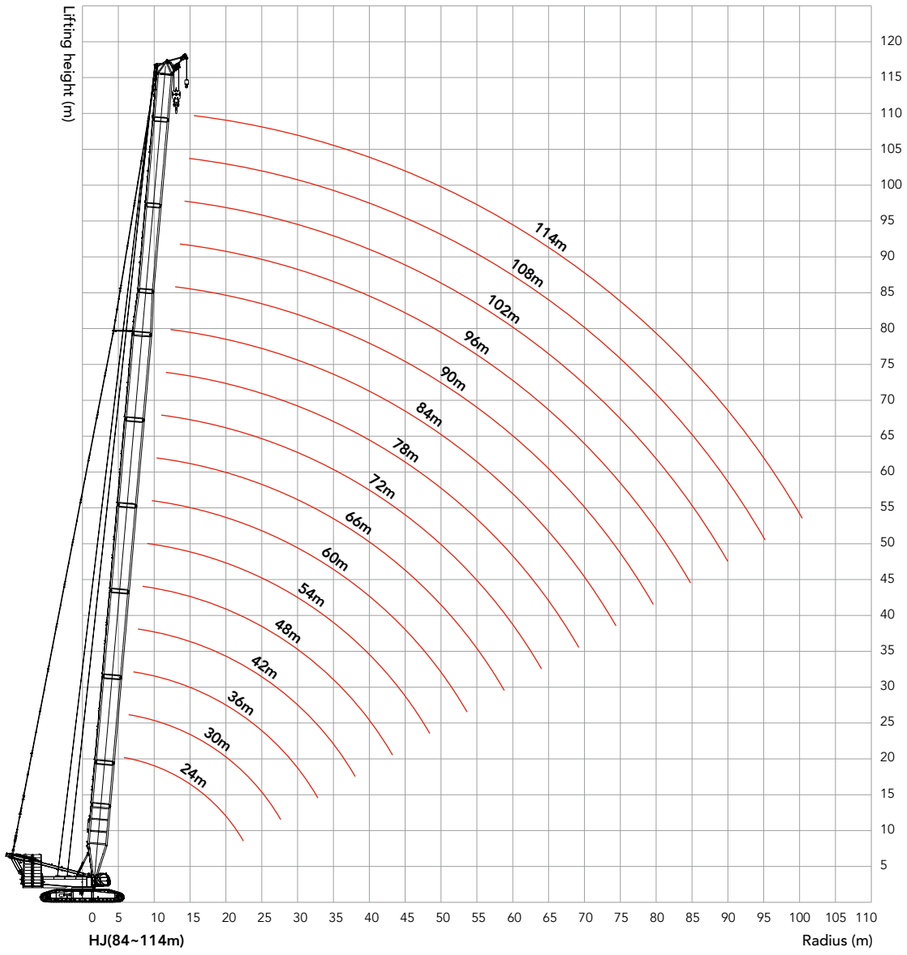
| Boom length (m) | Boom insert | | Jib insert | |
|---|---|---|---|---|
| | 6m | 12m | 6m | 12m |
| 84 | 1 | 4 | — | 1 |
| 90* | 1 | 4 | 1 | 1 |
| 96* | — | 4 | 1 | 2 |
| 102* | 1 | 4 | 1 | 2 |
| 108* | — | 5 | 1 | 2 |
| 114* | 1 | 5 | 1 | 2 |

Notes: The 10.5m boom base, 6m tapered section and 7.5m jib top are must. Mid-suspension cable must be adopted for the working condition marked with *, otherwise, there is danger of boom breaking.




HJ(84~114m)

## HJ Work Radius








Unit: t

## Load Chart of HJ Congfiguration

**SCC6500A Crawler Crane - Load Chart of HJ Congfiguration 1/1**

The boom length ranges 84m ~ 114m, the rear counterweight is 210t, the carbody counterweight is 60t

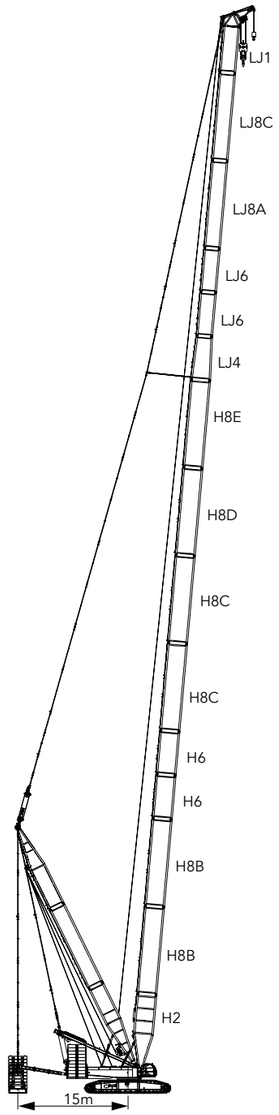
| Radius (m) | 84 | 90 | 96 | 102 | 108 | 114 | Radius (m) |
|---|---|---|---|---|---|---|---|
| 11 | 232 | 221 | | | | | 11 |
| 12 | 215 | 205 | 191 | 175 | | | 12 |
| 14 | 187 | 179 | 173 | 166 | 145 | 133 | 14 |
| 16 | 165 | 159 | 154 | 148 | 139 | 128 | 16 |
| 18 | 147 | 142 | 138 | 132 | 128 | 122 | 18 |
| 20 | 132 | 127 | 124 | 119 | 115 | 110 | 20 |
| 22 | 120 | 115 | 113 | 108 | 104 | 100 | 22 |
| 24 | 109 | 105 | 103 | 98.7 | 95.3 | 91.3 | 24 |
| 26 | 100 | 96.3 | 94.1 | 90.4 | 87.2 | 83.6 | 26 |
| 28 | 92.2 | 88.6 | 86.6 | 83.1 | 80.2 | 76.7 | 28 |
| 30 | 85.1 | 81.7 | 79.9 | 76.6 | 73.9 | 70.6 | 30 |
| 32 | 78.9 | 75.6 | 74 | 70.9 | 68.3 | 65.1 | 32 |
| 34 | 73.3 | 70.2 | 68.7 | 65.7 | 63.3 | 60.2 | 34 |
| 36 | 68.3 | 65.3 | 63.9 | 61.1 | 58.7 | 55.8 | 36 |
| 38 | 63.7 | 60.9 | 59.6 | 56.8 | 54.6 | 51.8 | 38 |
| 40 | 59.6 | 56.8 | 55.7 | 53 | 50.8 | 48.1 | 40 |
| 44 | 52.4 | 49.8 | 48.8 | 46.2 | 44.2 | 41.6 | 44 |
| 48 | 45.9 | 43.8 | 42.9 | 40.5 | 38.5 | 36 | 48 |
| 52 | 40.1 | 38.6 | 37.9 | 35.5 | 33.7 | 29.5 | 52 |
| 56 | 35.2 | 33.7 | 33.5 | 31.2 | 29.5 | 24.3 | 56 |
| 60 | 31 | 29.5 | 29.4 | 27.4 | 24.5 | 19.3 | 60 |
| 64 | 27.3 | 25.8 | 25.8 | 24.1 | 20.1 | 15.1 | 64 |
| 68 | 24.1 | 22.6 | 22.6 | 19.9 | 15.9 | 11.5 | 68 |
| 72 | 21.2 | 19.7 | 19.7 | 16.1 | 12.1 | 7.9 | 72 |
| 76 | | 17.2 | 17.2 | 12.8 | 9 | | 76 |
| 80 | | 14.9 | 14.2 | 9.5 | 6.3 | | 80 |
| 84 | | | 11.2 | 7 | | | 84 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.

## HJDB Boom Combination

| HJDB Boom Combination | | | | |
|---|---|---|---|---|
| Boom length (m) | Boom insert | | Jib insert | |
| | 6m | 12m | 6m | 12m |
| 90* | 1 | 3 | — | 2 |
| 96* | 2 | 3 | — | 2 |
| 102* | 1 | 4 | — | 2 |
| 108* | 2 | 4 | — | 2 |
| 114* | 1 | 5 | — | 2 |
| 120* | 2 | 5 | — | 2 |
| 126* | 1 | 6 | — | 2 |
| 132* | 2 | 6 | — | 2 |
| 138* | 2 | 6 | 1 | 2 |
| 144* | 2 | 6 | 2 | 2 |

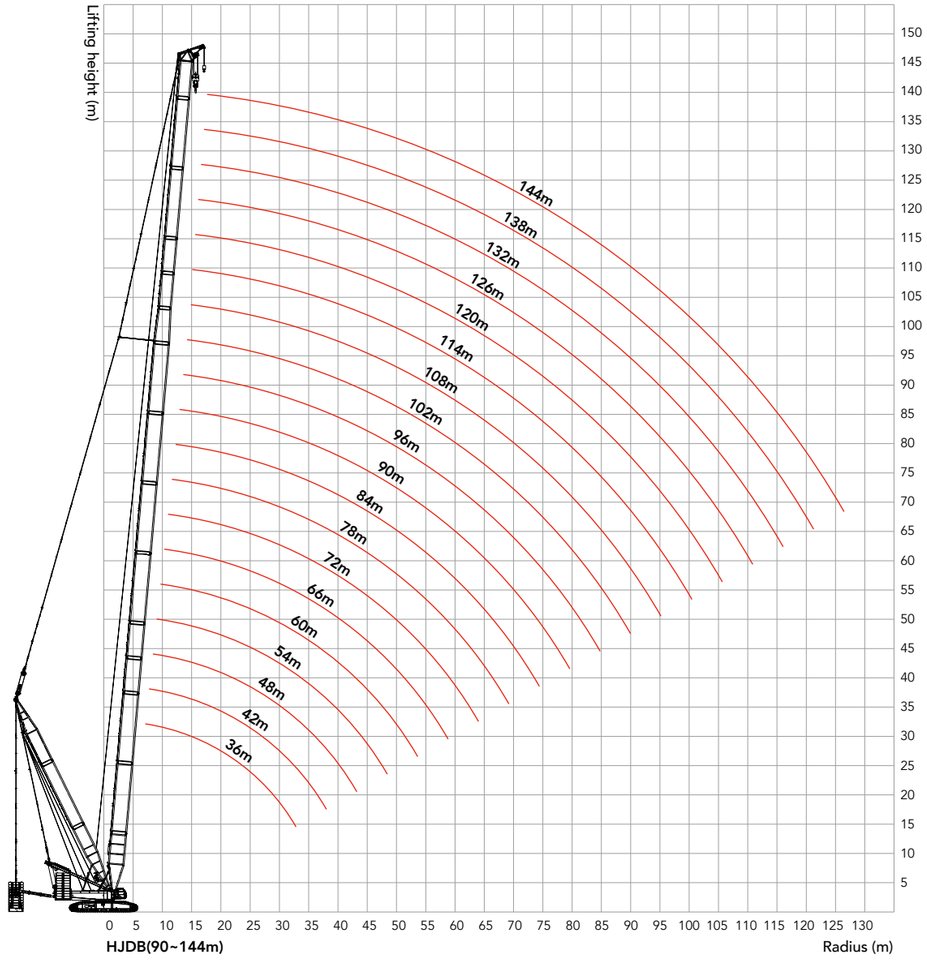
Notes: The 10.5m boom base, 6m tapered section and 7.5m jib top are must, The mid-point suspension cable must be used for configurations marked with * ; otherwise, there is danger of boom breaking.




HJDB(90~144m)



## HJDB Work Radius




HJDB(90~144m)

Unit: t

## Load Chart of HJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of HJDB Congfiguration 1/4

The boom length ranges 90 ~ 144m, the superlift radius is 19m, the superlift counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 90 | 96 | 102 | 108 | 114 | 120 | 126 | 132 | 138 | 144 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 265* | 235* | 218* | | | | | | | | 14 |
| 16 | 258* | 234* | 216* | 194* | 171* | 145* | | | | | 16 |
| 18 | 252* | 233* | 214* | 190* | 169* | 144* | 144* | 131* | 101* | | 18 |
| 20 | 247* | 230* | 212* | 187* | 166* | 142* | 142* | 130* | 99.5* | 86.5* | 20 |
| 22 | 242* | 227* | 210* | 183* | 164* | 141* | 141* | 129* | 98.6* | 86.0* | 22 |
| 24 | 236* | 224* | 208* | 179* | 162* | 140* | 140* | 128* | 96.8* | 85.5* | 24 |
| 26 | 230* | 221* | 206* | 175* | 160* | 138* | 138* | 127* | 95.7* | 84.5* | 26 |
| 28 | 224 | 217 | 203* | 172* | 157* | 136* | 136* | 126* | 94.4* | 84.0* | 28 |
| 30 | 218 | 213 | 200 | 168* | 155* | 134* | 134* | 125* | 93.1* | 83.0* | 30 |
| 32 | 212 | 208 | 196 | 164* | 153* | 132* | 132* | 124* | 91.8* | 82.5* | 32 |
| 34 | 205 | 201 | 191 | 160* | 150* | 130* | 130* | 123* | 90.8* | 82.0* | 34 |
| 36 | 198 | 194 | 185 | 157* | 147* | 128* | 128* | 122* | 89.3* | 81.0* | 36 |
| 38 | 190 | 187 | 178 | 154 | 144* | 126* | 126* | 121* | 87.5* | 80.5* | 38 |
| 40 | 179 | 177 | 171 | 151 | 141 | 124* | 124* | 119* | 86.2* | 80.0* | 40 |
| 44 | 161 | 159 | 158 | 144 | 135 | 120* | 120 | 117* | 83.1* | 76.3* | 44 |
| 48 | 146 | 144 | 143 | 137 | 129 | 116 | 116 | 111 | 80.4* | 67.6* | 48 |
| 52 | 133 | 131 | 130 | 129 | 123 | 112 | 111 | 101 | 77.5* | 59.6* | 52 |
| 56 | 122 | 120 | 119 | 119 | 116 | 108 | 101 | 91.1 | 70.0* | 52.0* | 56 |
| 60 | 113 | 111 | 110 | 109 | 107 | 103 | 92.5 | 82.6 | 61.8* | 45.0* | 60 |
| 64 | 104 | 103 | 102 | 101 | 99.1 | 93.5 | 84.1 | 74.4 | 54.8* | 38.8* | 64 |
| 68 | 96.8 | 95.1 | 94.2 | 93.4 | 91.8 | 84.7 | 76 | 67.4 | 48.2* | 32.8* | 68 |
| 72 | 90.1 | 88.6 | 87.6 | 86.8 | 84.4 | 77.4 | 68 | 60.1* | 42.1* | 27.2* | 72 |
| 76 | 84.2 | 82.6 | 81.7 | 80.9 | 76.9 | 70.2 | 61.8 | 53.0* | 36.4* | 22.0* | 76 |
| 80 | 78.9 | 77.3 | 76.3 | 75.6 | 69.6 | 63.1 | 54.8 | 47.2* | 31.0* | 17.1* | 80 |
| 84 | | | 71.5 | 69.2 | 61.8 | 56 | 48.2* | 41.8* | 25.2* | 12.6* | 84 |
| 88 | | | 66 | 62.4 | 54.5 | 50.2 | 42.5* | 35.7* | 20.5* | 8.3* | 88 |
| 92 | | | | 54.4 | 48.7 | 44.0* | 37.0* | 30.8* | 16.0* | | 92 |
| 96 | | | | | 42.2* | 38.2* | 31.8* | 26.2* | 11.8* | | 96 |
| 100 | | | | | | 32.6* | 26.9* | 21.0* | 7.8* | | 100 |
| 104 | | | | | | 27.3* | 22.2* | 17.0* | | | 104 |
| 108 | | | | | | | | 12.3* | | | 108 |
| 112 | | | | | | | | | | | 112 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.





Unit: t

## Load Chart of HJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of HJDB Congfiguration 2/4

The boom length ranges 90 ~ 144m, the superlift radius is 17m, the superlift counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 90 | 96 | 102 | 108 | 114 | 120 | 126 | 132 | 138 | 144 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 265* | 235* | 218* | | | | | | | | 14 |
| 16 | 258* | 234* | 216* | 194* | 171* | 145* | | | | | 16 |
| 18 | 252* | 233* | 214* | 190* | 169* | 144* | 131* | 112* | 101* | | 18 |
| 20 | 247* | 230* | 212* | 187* | 166* | 142* | 130* | 111* | 99.5* | 86.5* | 20 |
| 22 | 242* | 227* | 210* | 183* | 164* | 141* | 129* | 110* | 98.6* | 86.0* | 22 |
| 24 | 236 | 224* | 208* | 179* | 162* | 140* | 128* | 110* | 96.8* | 85.5* | 24 |
| 26 | 230 | 221 | 206 | 175* | 160* | 138* | 127* | 109* | 95.7* | 84.5* | 26 |
| 28 | 224 | 217 | 203 | 172* | 157* | 136* | 126* | 108* | 94.4* | 84.0* | 28 |
| 30 | 218 | 213 | 200 | 168* | 155* | 134* | 125* | 107* | 93.1* | 83.0* | 30 |
| 32 | 212 | 208 | 196 | 164 | 153* | 132* | 124* | 106* | 91.8* | 82.5* | 32 |
| 34 | 201 | 199 | 191 | 160 | 150 | 130* | 123* | 105* | 90.8* | 82.0* | 34 |
| 36 | 188 | 187 | 185 | 157 | 147 | 128* | 122* | 104* | 89.3* | 81.0* | 36 |
| 38 | 177 | 176 | 174 | 154 | 144 | 126* | 121* | 103* | 87.5* | 80.5* | 38 |
| 40 | 168 | 166 | 165 | 151 | 141 | 124 | 120 | 102* | 86.2* | 80.0* | 40 |
| 44 | 150 | 149 | 148 | 144 | 135 | 120 | 117 | 100.0* | 83.1* | 73.7* | 44 |
| 48 | 136 | 135 | 133 | 133 | 129 | 116 | 113 | 98 | 80.4* | 65.1* | 48 |
| 52 | 124 | 122 | 121 | 121 | 119 | 112 | 108 | 95.1 | 75.7* | 57.2* | 52 |
| 56 | 114 | 112 | 111 | 110 | 109 | 108 | 99.2 | 89.2 | 67.9* | 49.9* | 56 |
| 60 | 105 | 103 | 102 | 101 | 99.6 | 98.7 | 90.5 | 80.6 | 59.6* | 43.4* | 60 |
| 64 | 96.8 | 95.2 | 94.2 | 93.4 | 91.8 | 90.9 | 82 | 72.5 | 52.8* | 37.2* | 64 |
| 68 | 89.8 | 88.2 | 87.2 | 86.4 | 84.9 | 83.8 | 74.7 | 65.9 | 46.5* | 31.4* | 68 |
| 72 | 83.6 | 82 | 81 | 80.3 | 78.7 | 76.2 | 67.5 | 58.5 | 40.6* | 26.0* | 72 |
| 76 | 78 | 76.4 | 75.5 | 74.7 | 73.1 | 68.9 | 60.3 | 52.6 | 35.1* | 20.9* | 76 |
| 80 | 73 | 71.4 | 70.4 | 69.7 | 68.1 | 63.1 | 54.1 | 47 | 29.8* | 16.2* | 80 |
| 84 | | 66.8 | 65.9 | 65.1 | 62.3 | 56.2 | 48.2 | 41.1 | 25.0* | 11.8* | 84 |
| 88 | | | 61.7 | 61 | 55.6 | 50.4 | 42.5 | 35.6* | 20.4* | 7.6* | 88 |
| 92 | | | | 56.2 | 49.4 | 44.4 | 37.2 | 30.8* | 16.0* | | 92 |
| 96 | | | | | 42.9 | 38.6 | 32.1* | 26.3* | 11.8* | | 96 |
| 100 | | | | | 37.1 | 33.6 | 27.2* | 22.0* | 7.9* | | 100 |
| 104 | | | | | | 28.9* | 22.6* | 17.1* | 4.2* | | 104 |
| 108 | | | | | | | 18.1* | 13.3* | | | 108 |
| 112 | | | | | | | | 8.8* | | | 112 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.

Unit: t

## Load Chart of HJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of HJDB Congfiguration 3/4

The boom length ranges 90 ~ 144m, the superlift radius is 15m, the superlift counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 90 | 96 | 102 | 108 | 114 | 120 | 126 | 132 | 138 | 144 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 265* | 235* | 218* | | | | | | | | 14 |
| 16 | 258* | 234* | 216* | 194* | 171* | 145* | | | | | 16 |
| 18 | 252* | 233* | 214* | 190* | 169* | 144* | 131* | 112* | 101* | | 18 |
| 20 | 247 | 230* | 212* | 187* | 166* | 142* | 130* | 111* | 99.5* | 86.5* | 20 |
| 22 | 242 | 227 | 210* | 183* | 164* | 141* | 129* | 110* | 98.6* | 86.0* | 22 |
| 24 | 236 | 224 | 208 | 179* | 162* | 140* | 128* | 110* | 96.8* | 85.5* | 24 |
| 26 | 230 | 221 | 206 | 175* | 160* | 138* | 127* | 109* | 95.7* | 84.5* | 26 |
| 28 | 224 | 217 | 203 | 172 | 157* | 136* | 126* | 108* | 94.4* | 84.0* | 28 |
| 30 | 214 | 212 | 200 | 168 | 155 | 134* | 125* | 107* | 93.1* | 83.0* | 30 |
| 32 | 200 | 198 | 196 | 164 | 153 | 132* | 124* | 106* | 91.8* | 82.5* | 32 |
| 34 | 187 | 185 | 184 | 160 | 150 | 130 | 123* | 105* | 90.8* | 82.0* | 34 |
| 36 | 175 | 173 | 172 | 157 | 147 | 128 | 122 | 104* | 89.3* | 81.0* | 36 |
| 38 | 165 | 163 | 162 | 154 | 144 | 126 | 121 | 103* | 87.5* | 80.5* | 38 |
| 40 | 156 | 154 | 153 | 151 | 141 | 124 | 120 | 102 | 86.2* | 79.5* | 40 |
| 44 | 140 | 138 | 137 | 136 | 134 | 120 | 117 | 100 | 83.1* | 70.3* | 44 |
| 48 | 126 | 125 | 124 | 123 | 121 | 116 | 113 | 98 | 80.4 | 62.0* | 48 |
| 52 | 115 | 113 | 112 | 111 | 110 | 109 | 106 | 94.8 | 72.6 | 54.5* | 52 |
| 56 | 105 | 104 | 103 | 102 | 100 | 99.3 | 96.4 | 86.1 | 65.1 | 47.4* | 56 |
| 60 | 96.9 | 95.2 | 94.2 | 93.4 | 91.8 | 90.9 | 88.4 | 78.2 | 58.1 | 41.4* | 60 |
| 64 | 89.4 | 87.8 | 86.8 | 86 | 84.4 | 83.6 | 80.2 | 70.7 | 51.2 | 35.4* | 64 |
| 68 | 82.9 | 81.3 | 80.3 | 79.5 | 77.9 | 77.1 | 72.9 | 63.7 | 45.6 | 29.9* | 68 |
| 72 | 77 | 75.5 | 74.5 | 73.7 | 72.1 | 71.3 | 66.1 | 57.6 | 39.8* | 24.7* | 72 |
| 76 | 71.8 | 70.2 | 69.3 | 68.5 | 66.9 | 66.1 | 59.8 | 51.4 | 34.5* | 19.8* | 76 |
| 80 | 67 | 65.5 | 64.6 | 63.8 | 62.3 | 61.4 | 53.7 | 45.4 | 29.4* | 15.9* | 80 |
| 84 | | 61.2 | 60.3 | 59.5 | 58 | 56.1 | 47.9 | 40.3 | 24.7* | 11.6* | 84 |
| 88 | | | 56.4 | 55.7 | 54.1 | 50.5 | 42.4 | 35.4 | 20.2* | 7.5* | 88 |
| 92 | | | | 52.1 | 49.8 | 44.6 | 37.2 | 30.7 | 15.9* | 3.6* | 92 |
| 96 | | | | | 44.1 | 39.5 | 32.7 | 26.3 | 11.7* | | 96 |
| 100 | | | | | 38.3 | 34.5 | 28.3 | 22 | 7.9* | | 100 |
| 104 | | | | | | 29.3 | 23.7 | 17.2* | | | 104 |
| 108 | | | | | | | 19.3 | 13.4* | | | 108 |
| 112 | | | | | | | | 9.7* | | | 112 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.





Unit: t

## Load Chart of HJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of HJDB Congfiguration 4/4

The boom length ranges 90 ~ 144m, the superlift radius is 13m, the superlift counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

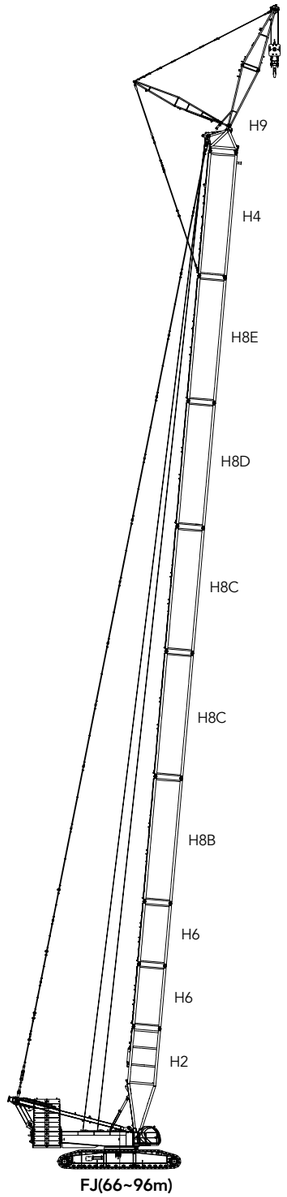
| Radius (m) | 90 | 96 | 102 | 108 | 114 | 120 | 126 | 132 | 138 | 144 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 265* | 235* | 218* | | | | | | | | 14 |
| 16 | 258* | 234* | 216* | 194* | 171* | 145* | | | | | 16 |
| 18 | 252 | 233* | 214* | 190* | 169* | 144* | 131* | 112* | 101* | | 18 |
| 20 | 247 | 230 | 212 | 187* | 166* | 142* | 130* | 111* | 99.5* | 86.5* | 20 |
| 22 | 242 | 227 | 210 | 183* | 164* | 141* | 129* | 110* | 98.6* | 86.0* | 22 |
| 24 | 236 | 224 | 208 | 179 | 162* | 140* | 128* | 110* | 96.8* | 85.5* | 24 |
| 26 | 230 | 221 | 206 | 175 | 160 | 138* | 127* | 109* | 95.7* | 84.5* | 26 |
| 28 | 214 | 212 | 203 | 172 | 157 | 136 | 126* | 108* | 94.4* | 84.0* | 28 |
| 30 | 198 | 197 | 195 | 168 | 155 | 134 | 125 | 107* | 93.1* | 83.0* | 30 |
| 32 | 185 | 183 | 182 | 164 | 153 | 132 | 124 | 106* | 91.8* | 82.5* | 32 |
| 34 | 173 | 171 | 170 | 160 | 150 | 130 | 123 | 105 | 90.8* | 82.0* | 34 |
| 36 | 162 | 160 | 159 | 157 | 147 | 128 | 122 | 104 | 89.3* | 81.0* | 36 |
| 38 | 153 | 151 | 150 | 149 | 144 | 126 | 121 | 103 | 87.5 | 79.0* | 38 |
| 40 | 144 | 142 | 141 | 140 | 138 | 124 | 120 | 102 | 86.2 | 74.3* | 40 |
| 44 | 129 | 127 | 126 | 125 | 124 | 120 | 117 | 100 | 83.1 | 65.7* | 44 |
| 48 | 117 | 115 | 114 | 113 | 111 | 110 | 109 | 98 | 76.9 | 57.9* | 48 |
| 52 | 106 | 104 | 103 | 102 | 101 | 99.9 | 98.2 | 90.8 | 69.2 | 50.8* | 52 |
| 56 | 96.9 | 95.3 | 94.2 | 93.4 | 91.8 | 90.9 | 89.2 | 82.6 | 62.1 | 44.5* | 56 |
| 60 | 89 | 87.4 | 86.4 | 85.6 | 84 | 83.1 | 81.5 | 75.1 | 55 | 38.5* | 60 |
| 64 | 82.1 | 80.5 | 79.5 | 78.7 | 77.1 | 76.2 | 74.6 | 68.5 | 48.9 | 32.8* | 64 |
| 68 | 75.9 | 74.4 | 73.4 | 72.6 | 71 | 70.1 | 68.6 | 61.3 | 43.5 | 28.3* | 68 |
| 72 | 70.5 | 68.9 | 67.9 | 67.2 | 65.6 | 64.7 | 63.2 | 55.5 | 38.1 | 23.3* | 72 |
| 76 | 65.6 | 64 | 63.1 | 62.3 | 60.7 | 59.9 | 58.3 | 50 | 32.9 | 18.7* | 76 |
| 80 | 61.1 | 59.6 | 58.7 | 57.9 | 56.4 | 55.5 | 53.1 | 44.8 | 28 | 14.2* | 80 |
| 84 | | 55.6 | 54.7 | 53.9 | 52.4 | 51.6 | 47.5 | 39.8 | 23.5 | 10.7* | 84 |
| 88 | | | 51 | 50.3 | 48.8 | 47.9 | 42.2 | 35 | 19.1* | 6.7* | 88 |
| 92 | | | | 47 | 45.4 | 44.6 | 37 | 30.5 | 15.7* | 3.0* | 92 |
| 96 | | | | | 42.4 | 39.6 | 32.7 | 26.2 | 11.6* | | 96 |
| 100 | | | | | 38.8 | 34.8 | 28.4 | 22 | 7.8* | | 100 |
| 104 | | | | | | 29.6 | 23.9 | 18 | 4.2* | | 104 |
| 108 | | | | | | | 19.5 | 13.4 | | | 108 |
| 112 | | | | | | | | 9.8 | | | 112 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.

## FJ Boom Combination

| FJ Boom Combination | | | | | |
|---|---|---|---|---|---|
| Boom length (m) | Boom insert | | | | |
| | 6m | 12mB | 12mC | 12mD | |
| 66 | 1 | 1 | 2 | — | Fixed jib 12m |
| 72 | 2 | 1 | 2 | — | |
| 78 | 1 | 1 | 2 | 1 | |
| 84 | 2 | 1 | 2 | 1 | |
| 90 | 1 | 1 | 2 | 2 | |
| 96 | 2 | 1 | 2 | 2 | |

Notes: The 10.5m boom base, 12m transition boom and the boom head are must.

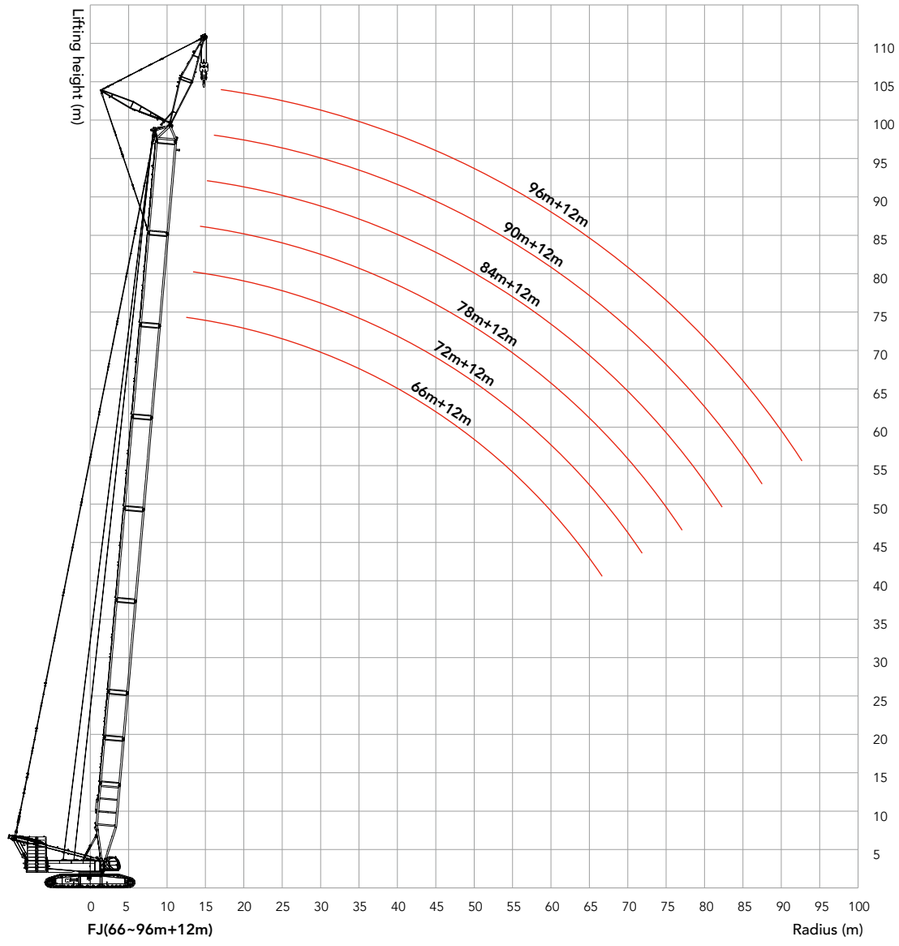



FJ(66~96m)





## FJ Work Radius




FJ(66~96m+12m)

Unit: t

## Load Chart of FJ Congfiguration

### SCC6500A Crawler Crane —Load Chart of FJ Congfiguration 1/3

The boom length ranges 66m ~ 96m, jib 12m, boom and jib included angle is 10°, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|
| 12 | 168 | 167 | | | | | 12 |
| 13 | 165 | 166 | 163 | 162 | | | 13 |
| 14 | 162 | 163 | 160 | 159 | 158 | 156 | 14 |
| 15 | 160 | 159 | 156 | 155 | 153 | 152 | 15 |
| 16 | 158 | 156 | 152 | 150 | 148 | 147 | 16 |
| 17 | 156 | 153 | 149 | 145 | 142 | 139 | 17 |
| 18 | 154 | 150 | 146 | 141 | 136 | 131 | 18 |
| 19 | 148 | 143 | 138 | 134 | 129 | 124 | 19 |
| 20 | 140 | 135 | 131 | 126 | 122 | 117 | 20 |
| 22 | 126 | 122 | 118 | 113 | 110 | 106 | 22 |
| 24 | 114 | 110 | 107 | 103 | 99.4 | 95.5 | 24 |
| 26 | 104 | 100 | 97.2 | 93.5 | 90.4 | 86.8 | 26 |
| 28 | 95.5 | 91.8 | 89.0 | 85.4 | 82.6 | 79.2 | 28 |
| 30 | 87.8 | 84.3 | 81.7 | 78.3 | 75.7 | 72.4 | 30 |
| 32 | 81.0 | 77.7 | 75.2 | 72.0 | 69.5 | 66.4 | 32 |
| 34 | 75.0 | 71.8 | 69.4 | 66.4 | 64.0 | 61.0 | 34 |
| 36 | 69.5 | 66.5 | 64.2 | 61.3 | 59.0 | 56.2 | 36 |
| 38 | 64.7 | 61.7 | 59.6 | 56.7 | 54.6 | 51.8 | 38 |
| 40 | 60.2 | 57.4 | 55.3 | 52.5 | 50.5 | 47.8 | 40 |
| 44 | 51.7 | 49.8 | 47.9 | 45.2 | 43.3 | 40.7 | 44 |
| 48 | 44.7 | 43.1 | 41.6 | 39.1 | 37.3 | 34.8 | 48 |
| 52 | 38.9 | 37.3 | 36.3 | 33.8 | 32.1 | 29.6 | 52 |
| 56 | 33.9 | 32.3 | 31.4 | 29.2 | 27.6 | 25.2 | 56 |
| 60 | 29.6 | 28.0 | 27.2 | 25.2 | 23.6 | 21.3 | 60 |
| 64 | 25.9 | 24.3 | 23.4 | 21.7 | 20.1 | 17.8 | 64 |
| 68 | 22.6 | 21.0 | 20.2 | 18.5 | 17.0 | 14.7 | 68 |
| 72 | | 18.1 | 17.3 | 15.7 | 14.2 | 12.0 | 72 |
| 76 | | 15.5 | 14.7 | 13.1 | 11.7 | 9.5 | 76 |
| 80 | | | 12.3 | 10.8 | 9.4 | 7.2 | 80 |
| 84 | | | | 8.6 | 7.3 | 5.2 | 84 |
| 88 | | | | | 5.4 | | 88 |

Notes: The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.





Unit: t

## Load Chart of FJ Congfiguration

### SCC6500A Crawler Crane —Load Chart of FJ Congfiguration 2/3

The boom length ranges 66m ~ 96m, jib 12m, boom and jib included angle is 15°, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|
| 13 | 150 | 148 | | | | | 13 |
| 14 | 149 | 147 | 146 | 145 | | | 14 |
| 15 | 148 | 146 | 145 | 144 | 141 | 135 | 15 |
| 16 | 147 | 145 | 144 | 143 | 140 | 134 | 16 |
| 17 | 146 | 143 | 142 | 141 | 139 | 133 | 17 |
| 18 | 144 | 141 | 140 | 138 | 136 | 130 | 18 |
| 19 | 142 | 139 | 137 | 134 | 130 | 126 | 19 |
| 20 | 139 | 135 | 132 | 127 | 123 | 119 | 20 |
| 22 | 127 | 123 | 119 | 115 | 111 | 107 | 22 |
| 24 | 115 | 111 | 108 | 104 | 101 | 96.8 | 24 |
| 26 | 105 | 101 | 98.3 | 94.6 | 91.5 | 88 | 26 |
| 28 | 96.4 | 92.7 | 89.9 | 86.4 | 83.6 | 80.3 | 28 |
| 30 | 88.6 | 85.2 | 82.5 | 79.2 | 76.6 | 73.4 | 30 |
| 32 | 81.8 | 78.5 | 76.0 | 72.9 | 70.4 | 67.3 | 32 |
| 34 | 75.6 | 72.5 | 70.2 | 67.2 | 64.8 | 61.9 | 34 |
| 36 | 70.2 | 67.2 | 65.0 | 62.0 | 59.8 | 57.0 | 36 |
| 38 | 65.2 | 62.3 | 60.2 | 57.4 | 55.3 | 52.5 | 38 |
| 40 | 60.7 | 57.9 | 55.9 | 53.2 | 51.2 | 48.5 | 40 |
| 44 | 52.1 | 50.3 | 48.4 | 45.8 | 43.9 | 41.4 | 44 |
| 48 | 45.1 | 43.5 | 42.1 | 39.6 | 37.8 | 35.4 | 48 |
| 52 | 39.2 | 37.6 | 36.7 | 34.3 | 32.6 | 30.2 | 52 |
| 56 | 34.2 | 32.6 | 31.8 | 29.6 | 28.0 | 25.7 | 56 |
| 60 | 29.9 | 28.3 | 27.5 | 25.6 | 24.0 | 21.7 | 60 |
| 64 | 26.1 | 24.5 | 23.7 | 22.0 | 20.4 | 18.2 | 64 |
| 68 | 22.7 | 21.2 | 20.4 | 18.8 | 17.3 | 15.1 | 68 |
| 72 | | 18.3 | 17.5 | 15.9 | 14.5 | 12.3 | 72 |
| 76 | | 15.6 | 14.8 | 13.3 | 11.9 | 9.8 | 76 |
| 80 | | | 12.5 | 10.9 | 9.6 | 7.5 | 80 |
| 84 | | | | 8.8 | 7.5 | 5.4 | 84 |
| 88 | | | | | 5.6 | | 88 |

Notes: The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.

Unit: t

## Load Chart of FJ Congfiguration

**SCC6500A Crawler Crane —Load Chart of FJ Congfiguration 3/3**

The boom length ranges 66m ~ 96m, jib is12m, boom and jib included angle is 20°, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|
| 14 | 135 | 133 | | | | | 14 |
| 15 | 132 | 131 | 129 | 127 | | | 15 |
| 16 | 129 | 129 | 127 | 126 | 125 | 124 | 16 |
| 17 | 126 | 127 | 125 | 123 | 122 | 121 | 17 |
| 18 | 123 | 125 | 123 | 121 | 120 | 119 | 18 |
| 19 | 121 | 123 | 121 | 118 | 117 | 116 | 19 |
| 20 | 119 | 121 | 119 | 116 | 115 | 114 | 20 |
| 22 | 114 | 117 | 115 | 112 | 110 | 108 | 22 |
| 24 | 108 | 112 | 109 | 105 | 102 | 98.2 | 24 |
| 26 | 102 | 102 | 99.3 | 95.6 | 92.6 | 89.1 | 26 |
| 28 | 96.2 | 93.7 | 90.8 | 87.4 | 84.6 | 81.3 | 28 |
| 30 | 89.4 | 86 | 83.4 | 80.1 | 77.5 | 74.4 | 30 |
| 32 | 82.5 | 79.2 | 76.8 | 73.7 | 71.3 | 68.3 | 32 |
| 34 | 76.3 | 73.2 | 70.9 | 67.9 | 65.6 | 62.8 | 34 |
| 36 | 70.8 | 67.8 | 65.6 | 62.8 | 60.6 | 57.8 | 36 |
| 38 | 65.8 | 62.9 | 60.9 | 58.1 | 56.0 | 53.3 | 38 |
| 40 | 61.2 | 58.5 | 56.5 | 53.8 | 51.8 | 49.2 | 40 |
| 44 | 52.6 | 50.8 | 49.0 | 46.4 | 44.5 | 42.0 | 44 |
| 48 | 45.5 | 43.9 | 42.6 | 40.1 | 38.3 | 35.9 | 48 |
| 52 | 39.5 | 38.0 | 37.1 | 34.7 | 33.0 | 30.7 | 52 |
| 56 | 34.4 | 32.9 | 32.1 | 30.0 | 28.4 | 26.1 | 56 |
| 60 | 30.1 | 28.6 | 27.8 | 25.9 | 24.3 | 22.1 | 60 |
| 64 | 26.3 | 24.8 | 24.0 | 22.3 | 20.8 | 18.6 | 64 |
| 68 | 22.9 | 21.4 | 20.6 | 19.0 | 17.6 | 15.4 | 68 |
| 72 | | 18.4 | 17.6 | 16.1 | 14.7 | 12.6 | 72 |
| 76 | | 15.7 | 15.0 | 13.5 | 12.1 | 10.0 | 76 |
| 80 | | | 12.6 | 11.1 | 9.8 | 7.7 | 80 |
| 84 | | | | 8.9 | 7.6 | 5.6 | 84 |
| 88 | | | | | 5.7 | | 88 |

Notes: The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.



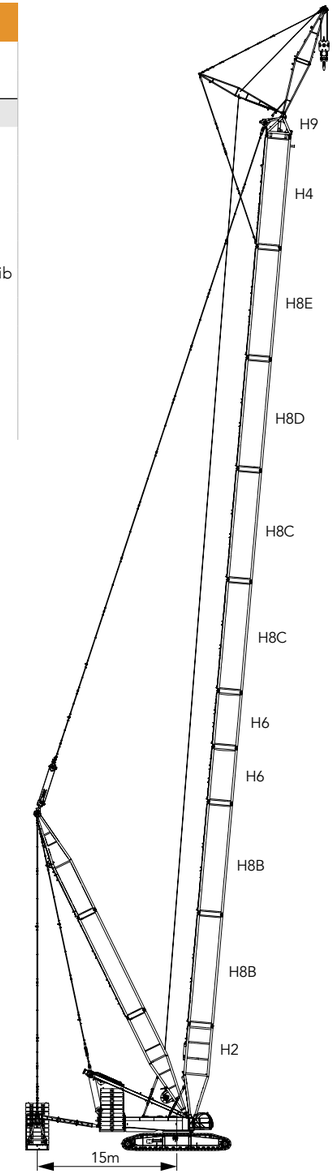


## FJDB Boom Combination

**FJDB Boom Combination**

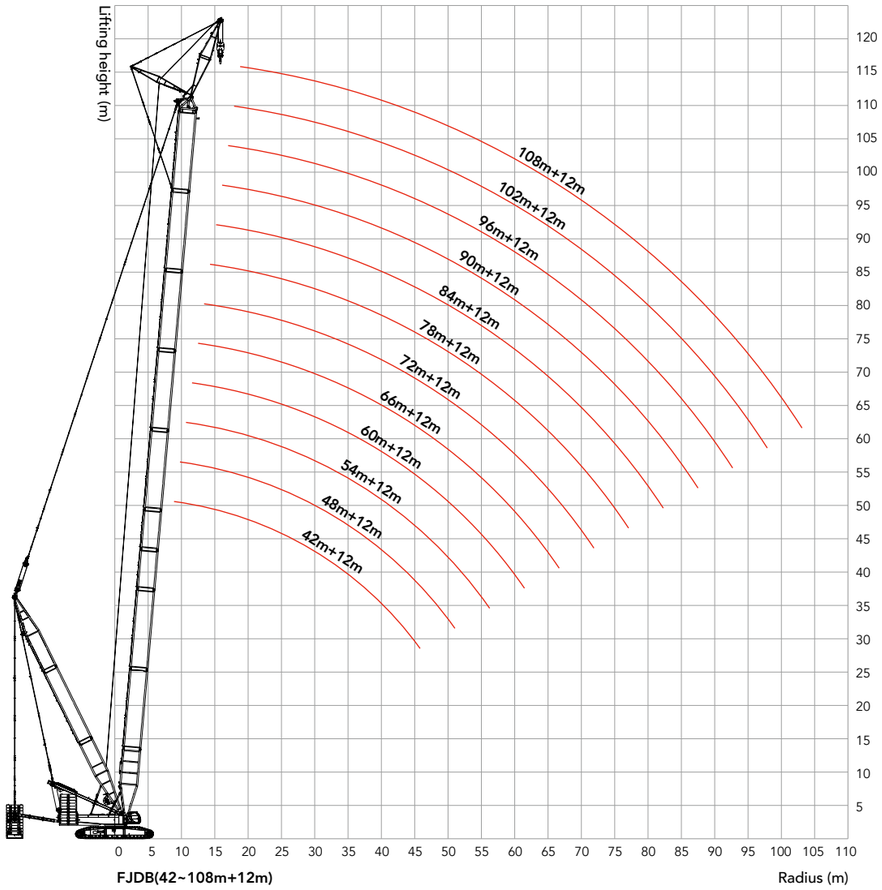
| Boom length (m) | Boom insert 6m | 12mB | 12mC | 12mD | 12mE | |
|---|---|---|---|---|---|---|
| 42 | 1 | 2 | — | — | — | |
| 48 | 2 | 2 | — | — | — | |
| 54 | 1 | 2 | — | — | — | |
| 60 | 2 | 2 | — | — | — | |
| 66 | 1 | 2 | 1 | — | — | |
| 72 | 2 | 2 | 1 | — | — | |
| 78 | 1 | 2 | 2 | — | — | Fixed jib 12m |
| 84 | 2 | 2 | 2 | — | — | |
| 90 | 1 | 2 | 2 | 1 | — | |
| 96 | 2 | 2 | 2 | 1 | — | |
| 102 | 1 | 2 | 2 | 1 | 1 | |
| 108 | 2 | 2 | 2 | 1 | 1 | |

Notes: Boom base 10.5m, 12m transition section, main boom head are must.




**FJDB(42~108m+12m)**

## FJDB Work Radius








Unit: t

## Load Chart of FJDB Congfiguration

**SCC6500A Crawler Crane - Load Chart of FJDB Congfiguration 1/3**

The main boom length ranges 42 - 108m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 10°, the overload lifting radius is 19m, overload lifting counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 168 | | | | | | | | | | | | 9 |
| 10 | 168 | 168 | 168 | | | | | | | | | | 10 |
| 11 | 168 | 168 | 168 | 168 | 168 | | | | | | | | 11 |
| 12 | 164 | 168 | 168 | 168 | 168 | 168 | 168 | | | | | | 12 |
| 13 | 157 | 161 | 165 | 168 | 168 | 168 | 168 | 168 | | | | | 13 |
| 14 | 151 | 153 | 158 | 164 | 166 | 168 | 168 | 168 | 168 | 168 | | | 14 |
| 15 | 143 | 147 | 152 | 157 | 159 | 164 | 168 | 168 | 168 | 168 | 165 | 149 | 15 |
| 16 | 138 | 142 | 147 | 151 | 155 | 159 | 164 | 166 | 168 | 168 | 165 | 149 | 16 |
| 17 | 132 | 136 | 141 | 146 | 150 | 155 | 159 | 162 | 164 | 165 | 165 | 149 | 17 |
| 18 | 127 | 130 | 138 | 142 | 145 | 150 | 155 | 158 | 161 | 162 | 164 | 149 | 18 |
| 19 | 121 | 127 | 132 | 136 | 139 | 145 | 151 | 153 | 157 | 158 | 160 | 149 | 19 |
| 20 | 118 | 122 | 127 | 132 | 134 | 141 | 144 | 148 | 152 | 153 | 156 | 149 | 20 |
| 22 | 111 | 115 | 121 | 125 | 128 | 134 | 138 | 141 | 144 | 146 | 149 | 149 | 22 |
| 24 | 105 | 108 | 115 | 119 | 122 | 129 | 131 | 135 | 137 | 140 | 143 | 146 | 24 |
| 26 | 99.9 | 104 | 109 | 111 | 116 | 121 | 126 | 129 | 132 | 134 | 136 | 139 | 26 |
| 28 | 93.5 | 99.4 | 103 | 106 | 111 | 117 | 119 | 123 | 127 | 128 | 132 | 134 | 28 |
| 30 | 89.4 | 94.7 | 98.4 | 102.0 | 105 | 111 | 115 | 118 | 121 | 123 | 126 | 129 | 30 |
| 32 | 85.1 | 90.3 | 93.9 | 98.8 | 100.0 | 105 | 110 | 114 | 117 | 119 | 121 | 125 | 32 |
| 34 | 81.4 | 85.9 | 90.3 | 95.1 | 94.3 | 102 | 106 | 108 | 112 | 115 | 117 | 120 | 34 |
| 36 | 78.2 | 82.3 | 86.7 | 90.8 | 91.8 | 98.6 | 101 | 104 | 108 | 110 | 113 | 116 | 36 |
| 38 | 74.8 | 78.0 | 82.8 | 86.3 | 89.7 | 95.1 | 98.2 | 101.0 | 106 | 107 | 110 | 112 | 38 |
| 40 | 72.2 | 76.5 | 79.7 | 82.9 | 86.0 | 91.5 | 93.9 | 97.6 | 101 | 102 | 105 | 107 | 40 |
| 44 | 67.5 | 72.4 | 75.0 | 79.3 | 81.9 | 85.6 | 88.2 | 91.2 | 96.7 | 98.4 | 100.0 | 102.0 | 44 |
| 48 | 63.3 | 67.0 | 71.3 | 74.6 | 77.4 | 80.8 | 82.2 | 86.9 | 90.8 | 92.7 | 94.2 | 97.2 | 48 |
| 52 | | 62.4 | 66.2 | 70.2 | 72.9 | 76.0 | 78.3 | 81.8 | 85.3 | 86.4 | 88.8 | 92.0 | 52 |
| 56 | | | 62.8 | 66.7 | 68.2 | 71.7 | 74.7 | 77.2 | 81.3 | 81.9 | 84.8 | 87.3 | 56 |
| 60 | | | 58.4 | 63.7 | 65.7 | 69.0 | 70.3 | 74.2 | 76.7 | 78.9 | 81.0 | 82.9 | 60 |
| 64 | | | | 60.1 | 62.7 | 65.7 | 67.8 | 70.8 | 72.2 | 75.6 | 76.6 | 80.2 | 64 |
| 68 | | | | | 59.5 | 63.2 | 66.1 | 68.1 | 69.5 | 72.0 | 73.4 | 77.1 | 68 |
| 72 | | | | | | 61.2 | 63.1 | 65.5 | 66.7 | 69.0 | 71.3 | 74.2 | 72 |
| 76 | | | | | | 58.6 | 61.1 | 63.3 | 64.7 | 66.5 | 68.4 | 71.4 | 76 |
| 80 | | | | | | | 59.1 | 61.4 | 62.8 | 64.9 | 66.8 | 68.7 | 80 |
| 84 | | | | | | | | 59.4 | 61.1 | 63.2 | 64.1 | 66.7 | 84 |
| 88 | | | | | | | | | 59.4 | 60.9 | 62.2 | 64.8 | 88 |
| 92 | | | | | | | | | 57.5 | 59.4 | 60.3 | 61.7 | 92 |
| 96 | | | | | | | | | | 58.1 | 57.9 | 58.8 | 96 |
| 100 | | | | | | | | | | | 53.6 | 54.2 | 100 |
| 104 | | | | | | | | | | | | 49.6 | 104 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.

Unit: t

## Load Chart of FJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of FJDB Congfiguration 2/3

The main boom length ranges 42 - 108m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 15°, the overload lifting radius is 19m, overload lifting counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 168 | | | | | | | | | | | | 10 |
| 11 | 165 | 168 | 168 | | | | | | | | | | 11 |
| 12 | 157 | 162 | 165 | 168 | 168 | | | | | | | | 12 |
| 13 | 150 | 155 | 159 | 163 | 165 | 168 | 168 | | | | | | 13 |
| 14 | 144 | 147 | 152 | 157 | 160 | 164 | 165 | 168 | | | | | 14 |
| 15 | 137 | 141 | 147 | 151 | 154 | 157 | 162 | 164 | 168 | 168 | | | 15 |
| 16 | 132 | 136 | 142 | 145 | 150 | 152 | 157 | 159 | 161 | 163 | 163 | 147 | 16 |
| 17 | 126 | 131 | 136 | 140 | 145 | 148 | 152 | 155 | 157 | 159 | 160 | 147 | 17 |
| 18 | 121 | 125 | 133 | 136 | 140 | 143 | 148 | 151 | 154 | 156 | 158 | 147 | 18 |
| 19 | 116 | 122 | 127 | 131 | 134 | 139 | 144 | 146 | 150 | 152 | 154 | 147 | 19 |
| 20 | 113 | 117 | 123 | 127 | 130 | 135 | 138 | 141 | 145 | 148 | 150 | 147 | 20 |
| 22 | 106 | 111 | 117 | 120 | 124 | 128 | 132 | 135 | 138 | 141 | 144 | 145 | 22 |
| 24 | 100 | 104 | 111 | 114 | 118 | 123 | 125 | 129 | 131 | 135 | 138 | 140 | 24 |
| 26 | 95.2 | 100 | 105 | 107 | 112 | 116 | 120 | 123 | 126 | 129 | 131 | 134 | 26 |
| 28 | 89.5 | 95.6 | 100 | 102 | 107 | 112 | 114 | 118 | 121 | 124 | 127 | 129 | 28 |
| 30 | 85.7 | 91.1 | 95.6 | 99.2 | 102 | 106 | 110 | 113 | 116 | 119 | 122 | 124 | 30 |
| 32 | 81.1 | 86.9 | 91.2 | 95.5 | 97.1 | 101 | 106 | 109 | 112 | 115 | 117 | 120 | 32 |
| 34 | 77.6 | 82.6 | 87.7 | 91.9 | 91.6 | 97.8 | 102 | 104 | 107 | 111 | 113 | 116 | 34 |
| 36 | 74.5 | 79.2 | 84.2 | 87.8 | 89.2 | 94.4 | 97.8 | 100 | 103 | 106 | 109 | 112 | 36 |
| 38 | 71.4 | 75.3 | 80.4 | 83.4 | 87.1 | 91.1 | 94.5 | 97.1 | 101 | 103 | 106 | 108 | 38 |
| 40 | 68.8 | 73.6 | 77.4 | 80.1 | 83.5 | 87.6 | 90.3 | 93.4 | 97.2 | 98.8 | 101 | 104 | 40 |
| 44 | 64.6 | 69.7 | 72.9 | 76.7 | 79.6 | 82.0 | 84.9 | 87.3 | 92.1 | 95.1 | 96.9 | 98.8 | 44 |
| 48 | 60.3 | 64.5 | 69.3 | 72.1 | 75.2 | 77.4 | 79.1 | 83.2 | 87.4 | 89.6 | 91.5 | 93.7 | 48 |
| 52 | | 60.1 | 64.3 | 67.9 | 70.8 | 72.8 | 75.3 | 78.4 | 82.1 | 83.5 | 86.3 | 88.7 | 52 |
| 56 | | | 61.1 | 64.5 | 66.3 | 68.7 | 71.9 | 73.9 | 78.2 | 79.2 | 82.4 | 84.2 | 56 |
| 60 | | | 57.2 | 61.6 | 63.8 | 66.1 | 67.6 | 71.1 | 73.8 | 76.3 | 78.7 | 79.9 | 60 |
| 64 | | | | 58.1 | 60.9 | 62.9 | 65.2 | 67.8 | 69.5 | 73.1 | 74.4 | 77.3 | 64 |
| 68 | | | | | 57.8 | 60.5 | 63.6 | 65.2 | 66.9 | 69.6 | 71.3 | 74.3 | 68 |
| 72 | | | | | | 58.6 | 60.7 | 62.7 | 64.2 | 66.7 | 69.3 | 71.5 | 72 |
| 76 | | | | | | 56.1 | 58.8 | 60.6 | 62.3 | 64.3 | 66.5 | 68.8 | 76 |
| 80 | | | | | | | 56.9 | 58.8 | 60.4 | 62.8 | 64.9 | 66.2 | 80 |
| 84 | | | | | | | | 56.9 | 58.8 | 61.1 | 62.3 | 64.3 | 84 |
| 88 | | | | | | | | | 57.2 | 58.9 | 60.4 | 62.5 | 88 |
| 92 | | | | | | | | | 55.5 | 57.4 | 58.6 | 59.5 | 92 |
| 96 | | | | | | | | | | 56.2 | 56.3 | 56.7 | 96 |
| 100 | | | | | | | | | | | 52.1 | 52.3 | 100 |
| 104 | | | | | | | | | | | | 47.8 | 104 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.





Unit: t

## Load Chart of FJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of FJDB Congfiguration 3/3

The main boom length ranges 42 - 108m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 20°, the overload lifting radius is 19m, overload lifting counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

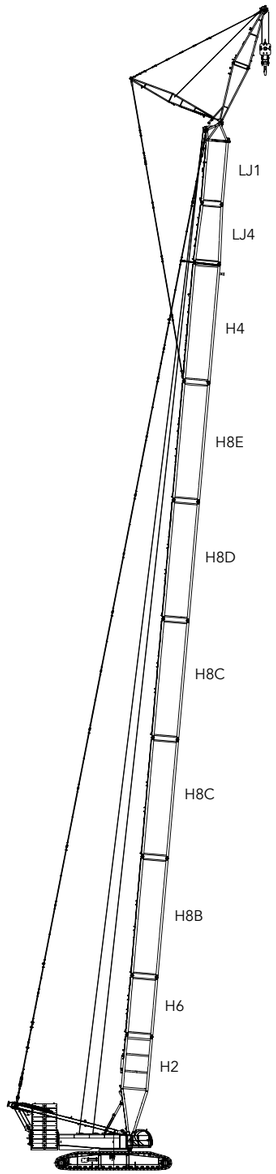
| Radius (m) | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 125 | | | | | | | | | | | | 11 |
| 12 | 121 | 125 | 125 | | | | | | | | | | 12 |
| 13 | 116 | 120 | 123 | 125 | 125 | | | | | | | | 13 |
| 14 | 112 | 115 | 120 | 121 | 122 | 125 | 125 | | | | | | 14 |
| 15 | 108 | 111 | 116 | 117 | 118 | 121 | 122 | 125 | 125 | | | | 15 |
| 16 | 104 | 107 | 112 | 114 | 115 | 117 | 119 | 121 | 123 | 125 | | | 16 |
| 17 | 100 | 103 | 107 | 110 | 112 | 113 | 116 | 117 | 120 | 121 | 125 | 125 | 17 |
| 18 | 96.8 | 100 | 103 | 107 | 109 | 110 | 113 | 114 | 118 | 118 | 121 | 121 | 18 |
| 19 | 94.2 | 97.8 | 101 | 104 | 106 | 108 | 110 | 111 | 115 | 115 | 117 | 117 | 19 |
| 20 | 91.5 | 95.3 | 99.6 | 101 | 103 | 106 | 108 | 109 | 111 | 112 | 114 | 115 | 20 |
| 22 | 86.7 | 90.9 | 94.6 | 97.5 | 100 | 102 | 104 | 106 | 107 | 109 | 111 | 112 | 22 |
| 24 | 82.2 | 85.6 | 89.4 | 92.3 | 95.3 | 97.1 | 100 | 102 | 103 | 105 | 107 | 108 | 24 |
| 26 | 78.3 | 82.2 | 84.3 | 88.2 | 90.9 | 93.5 | 96.1 | 97.6 | 100 | 101 | 103 | 105 | 26 |
| 28 | 74.6 | 78.6 | 81.6 | 85.6 | 86.9 | 89.6 | 92.2 | 94.4 | 96.1 | 98.4 | 100 | 101 | 28 |
| 30 | 71.3 | 74.3 | 78.3 | 80.9 | 84.1 | 86.9 | 88.9 | 91.2 | 93.7 | 95.1 | 97.4 | 98.4 | 30 |
| 32 | 68.6 | 71.1 | 74.9 | 77.4 | 80.3 | 83.4 | 85.2 | 88.7 | 89.9 | 92.3 | 93.3 | 95.6 | 32 |
| 34 | 65.2 | 68.5 | 72.3 | 75.6 | 77.9 | 80.6 | 83.3 | 85.2 | 87.1 | 89.5 | 91.2 | 92.5 | 34 |
| 36 | 62.6 | 66.6 | 69.6 | 73.5 | 75.5 | 77.3 | 80.5 | 82.6 | 83.4 | 86.8 | 87.6 | 89.4 | 36 |
| 38 | 60.8 | 64.5 | 67.1 | 70.6 | 73.1 | 75.1 | 77.7 | 79.9 | 81.6 | 83.5 | 85.7 | 87.5 | 38 |
| 40 | 58.6 | 62.3 | 65.2 | 68.2 | 70.4 | 73.2 | 75.6 | 77.5 | 79.5 | 81.1 | 83.3 | 85.1 | 40 |
| 44 | 56.1 | 58.9 | 62.8 | 64.1 | 66.3 | 68.9 | 72.3 | 73.3 | 75.3 | 77.6 | 79.5 | 81.6 | 44 |
| 48 | 53.2 | 56.3 | 58.1 | 61.6 | 62.5 | 66.6 | 67.7 | 70.4 | 72.2 | 73.6 | 75.7 | 77.5 | 48 |
| 52 | | 52.9 | 55.5 | 58.5 | 60.6 | 62.7 | 64.6 | 66.6 | 68.9 | 70.5 | 72.2 | 74.6 | 52 |
| 56 | | 48.6 | 53.9 | 55.6 | 57.9 | 59.2 | 61.5 | 64.1 | 65.6 | 67.3 | 68.4 | 71.2 | 56 |
| 60 | | | 50.3 | 53.7 | 56.1 | 57.6 | 59.8 | 61.3 | 62.4 | 65.4 | 66.6 | 67.8 | 60 |
| 64 | | | | 50.3 | 54.1 | 55.8 | 57.7 | 58.9 | 60.3 | 62.5 | 64.4 | 65.7 | 64 |
| 68 | | | | | 51.6 | 54.1 | 55.3 | 57.5 | 58.7 | 60.3 | 62.5 | 63.2 | 68 |
| 72 | | | | | | 52.3 | 54.1 | 55.4 | 57.1 | 58.8 | 60.2 | 61.6 | 72 |
| 76 | | | | | | 50.0 | 52.6 | 53.9 | 55.1 | 57.1 | 57.9 | 59.5 | 76 |
| 80 | | | | | | | 49.9 | 52.7 | 53.9 | 55.4 | 56.1 | 57.6 | 80 |
| 84 | | | | | | | | 50.5 | 52.2 | 54.2 | 54.6 | 56.1 | 84 |
| 88 | | | | | | | | | 51.4 | 52.7 | 53.4 | 54.4 | 88 |
| 92 | | | | | | | | | 49.8 | 47.6 | 52.5 | 53.4 | 92 |
| 96 | | | | | | | | | | 42.4 | 51.7 | 52.3 | 96 |
| 100 | | | | | | | | | | | 42.5 | 51.2 | 100 |
| 104 | | | | | | | | | | | | 47.6 | 104 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.

## HJFJ_1 Boom Combination

| HJFJ_1 Boom Combination | | | | | | |
|---|---|---|---|---|---|---|
| Boom length (m) | Boom insert | | | | | |
| | 3m | 6m | 12mB | 12mC | 12mD | |
| 84* | - | - | 1 | 1 | 2 | Fixed jib 12m |
| 87* | 1 | - | 1 | 1 | 2 | |
| 90* | - | 1 | 1 | 1 | 2 | |
| 93* | 1 | 1 | 1 | 1 | 2 | |
| 96* | - | - | 1 | 2 | 2 | |
| 99* | 1 | - | 1 | 2 | 2 | |
| 102* | - | 1 | 1 | 2 | 2 | |

Notes: The boom base of 10.5m, 12m transition section, 6m tapered insert, 7.5m jib top are must. The configurations marked with * must have mid-point suspension cable; otherwise, there is danger of boom breaking.

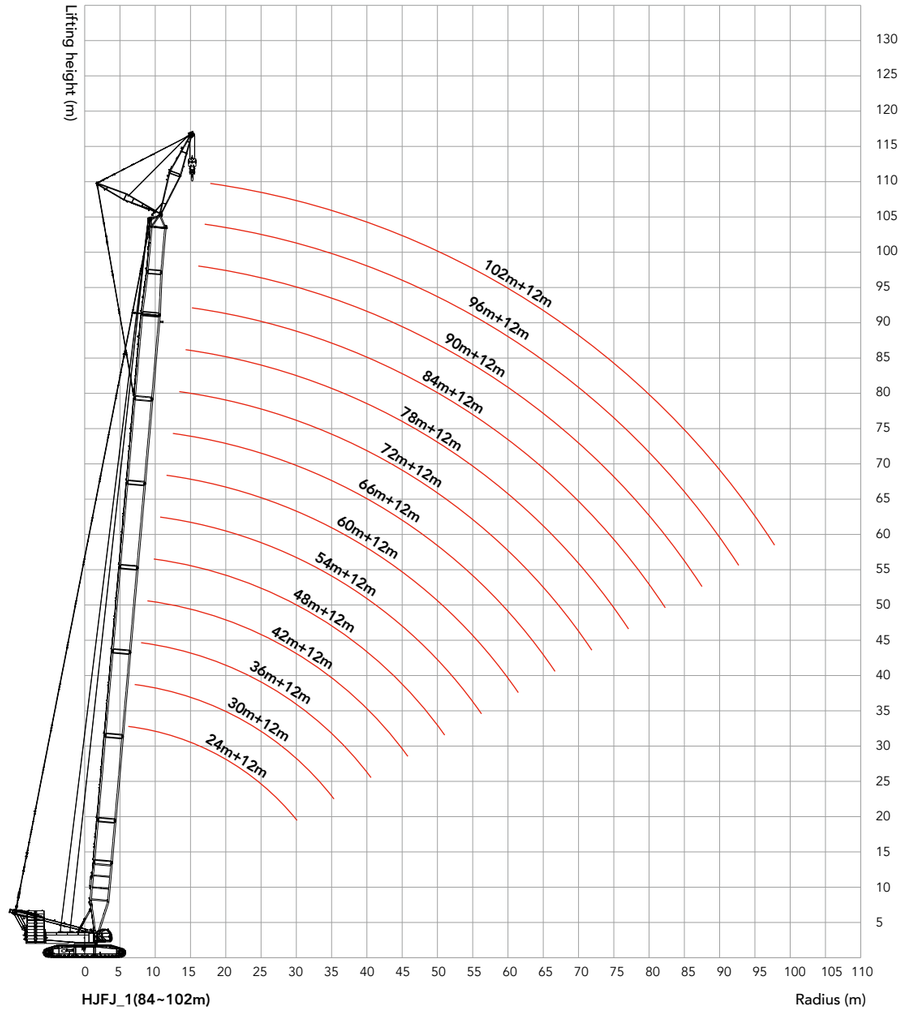



HJFJ_1(84~102m)





## HJFJ_1 Work Radius




HJFJ_1(84~102m)

Unit: t

## Load Chart of HJFJ_1 Congfiguration

**SCC6500A Crawler Crane - Load Chart of HJFJ_1 Congfiguration 1/3**

Main boom length ranges 84m - 102m, auxiliary boom 12m, main and auxiliary boom included angle is 10° , rear counterweight is 210t, central counterweight is 60t

| Radius (m) | 84 | 87 | 90 | 93 | 96 | 99 | 102 | Radius (m) |
|---|---|---|---|---|---|---|---|---|
| 13 | 168 | 165 | | | | | | 13 |
| 14 | 165 | 164 | 158 | 152 | 150 | 147 | | 14 |
| 15 | 163 | 161 | 153 | 150 | 148 | 145 | 142 | 15 |
| 16 | 153 | 151 | 148 | 147 | 146 | 142 | 141 | 16 |
| 17 | 145 | 143 | 145 | 145 | 144 | 141 | 141 | 17 |
| 18 | 136 | 135 | 143 | 142 | 142 | 138 | 137 | 18 |
| 19 | 130 | 127 | 140 | 138 | 139 | 136 | 135 | 19 |
| 20 | 123 | 121 | 135 | 134 | 135 | 134 | 133 | 20 |
| 22 | 111 | 109 | 120 | 119 | 119 | 119 | 120 | 22 |
| 24 | 100 | 99.8 | 104 | 100 | 93.9 | 96.7 | 99.5 | 24 |
| 26 | 92.4 | 90.7 | 91 | 89.5 | 85.6 | 83.9 | 80.4 | 26 |
| 28 | 84.8 | 83.2 | 81.6 | 80 | 78.4 | 76.8 | 71.7 | 28 |
| 30 | 78.1 | 76.6 | 75.1 | 73.5 | 72 | 70.5 | 65.9 | 30 |
| 32 | 72.1 | 70.7 | 69.3 | 67.7 | 66.3 | 64.9 | 60.7 | 32 |
| 34 | 66.8 | 65.4 | 64 | 62.6 | 61.2 | 59.9 | 55.9 | 34 |
| 36 | 62.1 | 60.6 | 59.4 | 58 | 56.6 | 55.3 | 51.7 | 36 |
| 38 | 57.7 | 56.3 | 55.1 | 53.8 | 52.4 | 51.1 | 47.8 | 38 |
| 40 | 53.8 | 52.4 | 51.2 | 49.9 | 48.6 | 47.4 | 44.3 | 40 |
| 44 | 46.8 | 45.6 | 44.5 | 43.2 | 42 | 40.8 | 38.1 | 44 |
| 48 | 40.7 | 39.8 | 38.8 | 37.5 | 36.4 | 35.2 | 32.8 | 48 |
| 52 | 36.1 | 34.9 | 33.8 | 32.6 | 31.5 | 30.3 | 28.3 | 52 |
| 56 | 31.7 | 30.6 | 29.5 | 28.4 | 27.3 | 26.1 | 24.3 | 56 |
| 60 | 27.7 | 26.8 | 25.7 | 24.7 | 23.6 | 22.5 | 20.9 | 60 |
| 64 | 24.2 | 23.5 | 22.5 | 21.4 | 20.3 | 19.2 | 17.8 | 64 |
| 68 | 21.2 | 20.4 | 19.6 | 18.4 | 17.4 | 16.3 | 15.1 | 68 |
| 72 | 18.4 | 17.7 | 16.9 | 15.9 | 14.8 | 13.7 | 12.7 | 72 |
| 76 | 16 | 15.2 | 14.5 | 13.5 | 12.4 | 11.4 | 10.4 | 76 |
| 80 | 13.8 | 13 | 12.4 | 11.3 | 10.4 | 9.2 | 8.5 | 80 |
| 84 | 11.8 | 11 | 10.4 | 9.3 | 8.4 | 7.3 | 6.7 | 84 |
| 88 | | 9.2 | 8.6 | 7.6 | 6.6 | 5.5 | 5 | 88 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.
4. HJFJ102+12 working condition boom (rear counterweight 230t and center counterweight 40t).





Unit: t

## Load Chart of HJFJ_1 Congfiguration

**SCC6500A Crawler Crane - Load Chart of HJFJ_1 Congfiguration 2/3**

Main boom length ranges 84m - 102m, auxiliary boom 12m, main and auxiliary boom included angle is 15° , rear counterweight is 210t, central counterweight is 60t

| Radius (m) | 84 | 87 | 90 | 93 | 96 | 99 | 102 | Radius (m) |
|---|---|---|---|---|---|---|---|---|
| 14 | 155 | 153 | | | | | | 14 |
| 15 | 153 | 151 | 149 | 147 | 145 | 143 | | 15 |
| 16 | 150 | 149 | 147 | 144 | 141 | 139 | 130 | 16 |
| 17 | 143 | 140 | 139 | 136 | 133 | 131 | 129 | 17 |
| 18 | 136 | 133 | 130 | 128 | 126 | 124 | 123 | 18 |
| 19 | 128 | 126 | 124 | 122 | 119 | 117 | 117 | 19 |
| 20 | 121 | 119 | 117 | 115 | 113 | 111 | 111 | 20 |
| 22 | 110 | 108 | 106 | 104 | 102 | 100 | 99.6 | 22 |
| 24 | 100 | 98.6 | 96.7 | 94.9 | 92.9 | 91.1 | 90.9 | 24 |
| 26 | 91.3 | 89.7 | 88.1 | 86.4 | 84.8 | 83.1 | 82.9 | 26 |
| 28 | 83.8 | 82.2 | 80.7 | 79.1 | 77.7 | 76.1 | 75.9 | 28 |
| 30 | 77.2 | 75.7 | 74.2 | 72.8 | 71.3 | 68.8 | 69.2 | 30 |
| 32 | 71.3 | 69.8 | 68.5 | 64.9 | 63.5 | 62.2 | 61.4 | 32 |
| 34 | 66 | 64.7 | 63.3 | 60 | 58.7 | 57.4 | 56.6 | 34 |
| 36 | 61.3 | 60 | 58.7 | 55.5 | 54.3 | 53 | 52.3 | 36 |
| 38 | 57 | 55.8 | 53.5 | 50.5 | 50.3 | 49.1 | 48.4 | 38 |
| 40 | 52.1 | 51.9 | 48.7 | 45.9 | 46.7 | 45.5 | 44.8 | 40 |
| 44 | 46.3 | 45.2 | 44 | 41.4 | 40.3 | 39.2 | 38.6 | 44 |
| 48 | 40.5 | 39.4 | 38.3 | 36 | 34.9 | 33.8 | 33.3 | 48 |
| 52 | 35.6 | 34.5 | 33.5 | 31.3 | 30.2 | 29.2 | 28.7 | 52 |
| 56 | 31.3 | 30.3 | 29.3 | 27.3 | 26.3 | 25.2 | 24.8 | 56 |
| 60 | 27.4 | 26.6 | 25.6 | 23.7 | 22.7 | 21.7 | 21.2 | 60 |
| 64 | 24 | 23.3 | 22.3 | 20.5 | 19.5 | 18.5 | 18.2 | 64 |
| 68 | 20.9 | 20.2 | 19.3 | 17.7 | 16.7 | 15.8 | 15.4 | 68 |
| 72 | 18.2 | 17.5 | 16.7 | 15.2 | 14.3 | 13.2 | 13 | 72 |
| 76 | 15.8 | 15.1 | 14.4 | 13 | 12 | 11 | 10.7 | 76 |
| 80 | 13.7 | 12.9 | 12.3 | 10.9 | 10 | 9 | 8.6 | 80 |
| 84 | 11.6 | 11 | 10.3 | 9 | 8.1 | 7.1 | 6.8 | 84 |
| 88 | | 9.1 | 8.5 | 7.3 | 6.4 | 5.4 | 5.1 | 88 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.
4. HJFJ102+12 working condition boom (rear counterweight 230t and center counterweight 40t).

Unit: t

## Load Chart of HJFJ_1 Congfiguration

**SCC6500A Crawler Crane - Load Chart of HJFJ_1 Congfiguration 3/3**

Main boom length ranges 84m - 102m, auxiliary boom 12m, main and auxiliary boom included angle is 20° , rear counterweight is 210t, central counterweight is 60t

| Radius (m) | 84 | 87 | 90 | 93 | 96 | 99 | 102 | Radius (m) |
|---|---|---|---|---|---|---|---|---|
| 15 | 132 | 131 | 129 | | | | | 15 |
| 16 | 130 | 128 | 127 | 126 | 125 | 121 | | 16 |
| 17 | 129 | 127 | 126 | 124 | 123 | 121 | 114 | 17 |
| 18 | 127 | 126 | 124 | 123 | 122 | 119 | 113 | 18 |
| 19 | 125 | 124 | 122 | 121 | 119 | 117 | 112 | 19 |
| 20 | 122 | 121 | 118 | 116 | 114 | 114 | 107 | 20 |
| 22 | 111 | 109 | 107 | 105 | 103 | 102 | 99.4 | 22 |
| 24 | 101 | 99.5 | 97.7 | 96.8 | 96 | 93.2 | 92.9 | 24 |
| 26 | 92.3 | 90.6 | 89 | 88.3 | 87.6 | 86.1 | 85.8 | 26 |
| 28 | 84.6 | 83 | 83.3 | 80.9 | 80.2 | 80.8 | 79.8 | 28 |
| 30 | 77.9 | 76.4 | 76.7 | 74.4 | 73.7 | 74.5 | 72.8 | 30 |
| 32 | 72 | 70.6 | 70.8 | 68.5 | 67.9 | 68.6 | 67 | 32 |
| 34 | 66.7 | 65.4 | 65.5 | 63.4 | 62.7 | 63.2 | 61.8 | 34 |
| 36 | 61.9 | 60.6 | 60.6 | 58 | 56.8 | 58.5 | 56.5 | 36 |
| 38 | 57.6 | 56.4 | 56.3 | 53.8 | 52.6 | 53 | 50.8 | 38 |
| 40 | 53.7 | 52.5 | 52.3 | 50 | 48.8 | 47.5 | 46.5 | 40 |
| 44 | 46.8 | 45.7 | 44.5 | 43.3 | 42.2 | 40.6 | 40 | 44 |
| 48 | 41 | 39.9 | 38.8 | 37.7 | 36.5 | 35.1 | 34.5 | 48 |
| 52 | 36 | 34.9 | 33.9 | 32.7 | 31.7 | 30.3 | 29.8 | 52 |
| 56 | 31.7 | 30.6 | 29.6 | 28.6 | 27.5 | 26.1 | 25.7 | 56 |
| 60 | 27.7 | 26.9 | 25.9 | 24.8 | 23.8 | 22.4 | 22.1 | 60 |
| 64 | 24.2 | 23.5 | 22.6 | 21.5 | 20.6 | 19.2 | 18.9 | 64 |
| 68 | 21.1 | 20.5 | 19.6 | 18.6 | 17.6 | 16.4 | 15.7 | 68 |
| 72 | 18.4 | 17.7 | 17 | 15.9 | 15 | 13.8 | 13.1 | 72 |
| 76 | 16 | 15.3 | 14.6 | 13.6 | 12.6 | 11.5 | 10.9 | 76 |
| 80 | 13.8 | 13 | 12.4 | 11.4 | 10.5 | 9.4 | 8.8 | 80 |
| 84 | 11.7 | 11.1 | 10.4 | 9.5 | 8.6 | 7.5 | 6.9 | 84 |
| 88 | | 9.2 | 8.6 | 7.6 | 6.7 | 5.6 | 5.2 | 88 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.
4. HJFJ102+12 working condition boom (rear counterweight 230t and center counterweight 40t).



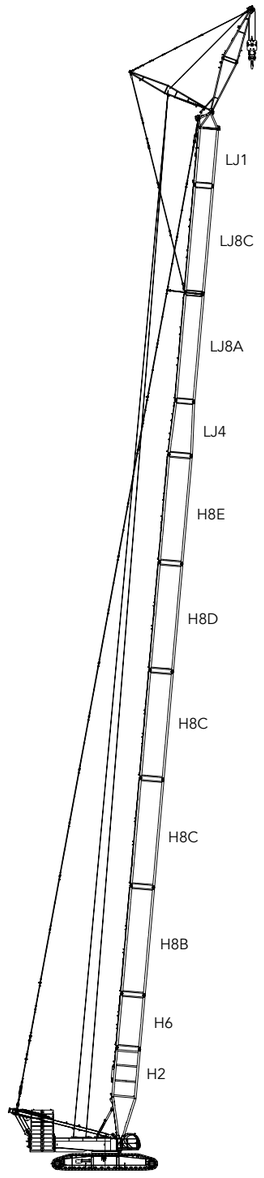


## HJFJ Boom Combination

**HJFJ Boom Combination**

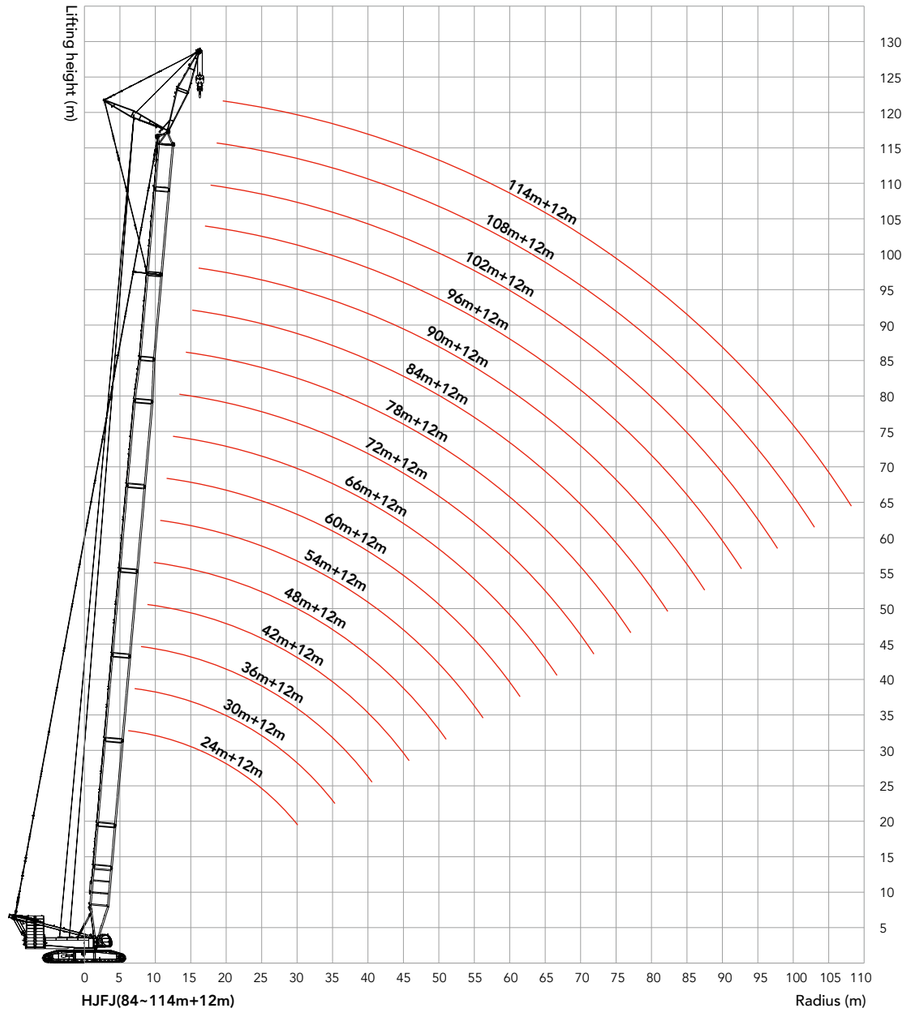
| Boom length (m) | Boom insert | | Jib insert | | |
|---|---|---|---|---|---|
| | 6m | 12m | 6m | 12m | |
| 84 | 1 | 4 | — | 1 | Fixed jib 12m |
| 90* | 1 | 4 | 1 | 1 | |
| 96* | — | 4 | 1 | 2 | |
| 102* | 1 | 4 | 1 | 2 | |
| 108* | — | 5 | 1 | 2 | |
| 114* | 1 | 5 | 1 | 2 | |

Notes: main boom base 10.5m, 6m tapered section, 7.5m jib top are must. In the jib configuration: jib base, 6m tapered section and jib upper boom are must. The * marked configurations must have mid-point suspension cable; otherwise, there is danger of boom breaking.




HJFJ(84~114m)

## HJFJ Work Radius








Unit: t

## Load Chart of HJFJ Configuration

**SCC6500A Crawler Crane - Load Chart of HJFJ Configuration 1/3**

Main boom length ranges 84m - 114m, auxiliary boom 12m, main and auxiliary boom included angle is 10° , rear counterweight is 210t, central counterweight is 60t

| Radius (m) | 84 | 90 | 96 | 102 | 108 | 114 | Radius (m) |
|---|---|---|---|---|---|---|---|
| 13 | 158 | | | | | | |
| 14 | 156 | 148 | 136 | | | | 14 |
| 15 | 155 | 144 | 134 | 118 | 109 | | 15 |
| 16 | 152 | 140 | 130 | 116 | 108 | 93.5 | 16 |
| 17 | 146 | 133 | 125 | 114 | 107 | 92.5 | 17 |
| 18 | 137 | 127 | 120 | 111 | 105 | 91.5 | 18 |
| 19 | 128 | 120 | 114 | 107 | 102 | 89.5 | 19 |
| 20 | 119 | 113 | 107 | 103 | 98.4 | 88 | 20 |
| 22 | 106 | 99.3 | 96.8 | 92.1 | 88.4 | 83.5 | 22 |
| 24 | 96.6 | 91 | 88.3 | 84.4 | 81 | 77.4 | 24 |
| 26 | 88.2 | 83.7 | 81.3 | 77.7 | 74.5 | 71.1 | 26 |
| 28 | 80.9 | 77.3 | 75.1 | 71.6 | 68.7 | 65.4 | 28 |
| 30 | 74.9 | 71.5 | 69.5 | 66.3 | 63.5 | 60.4 | 30 |
| 32 | 69.6 | 66.4 | 64.5 | 61.4 | 58.8 | 55.8 | 32 |
| 34 | 64.8 | 61.7 | 60 | 57 | 54.5 | 51.6 | 34 |
| 36 | 60.5 | 57.5 | 55.9 | 53 | 50.6 | 47.8 | 36 |
| 38 | 56.6 | 53.7 | 52.2 | 49.4 | 47.1 | 44.4 | 38 |
| 40 | 52.9 | 50.1 | 48.7 | 46.0 | 43.8 | 41.2 | 40 |
| 44 | 46.6 | 43.9 | 42.7 | 40.1 | 38.0 | 35.5 | 44 |
| 48 | 41.2 | 38.6 | 37.5 | 35.0 | 33.0 | 30.6 | 48 |
| 52 | 36.5 | 34.0 | 33.0 | 30.6 | 28.7 | 26.4 | 52 |
| 56 | 32.4 | 30.0 | 29.1 | 26.8 | 24.9 | 22.6 | 56 |
| 60 | 28.9 | 26.5 | 25.6 | 23.3 | 21.6 | 19.3 | 60 |
| 64 | 25.7 | 23.4 | 22.5 | 20.3 | 18.6 | 16.4 | 64 |
| 68 | 22.8 | 20.6 | 19.8 | 17.6 | 15.9 | 13.7 | 68 |
| 72 | 20.3 | 18.1 | 17.3 | 15.1 | 13.5 | 11.4 | 72 |
| 76 | 18.0 | 15.8 | 15.1 | 12.9 | 11.3 | 7.1 | 76 |
| 80 | 15.9 | 13.7 | 13.0 | 10.9 | 9.3 | | 80 |
| 84 | 14.0 | 11.8 | 11.2 | 9.1 | 5.6 | | 84 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2.The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.
4. HJFJ114+12 working condition boom (rear counterweight 230t and center counterweight 40t).

Unit: t

## Load Chart of HJFJ Configuration

**SCC6500A Crawler Crane - Load Chart of HJFJ Configuration 2/3**

Main boom length ranges 84m - 114m, auxiliary boom 12m, main and auxiliary boom included angle is 15° , rear counterweight is 210t, central counterweight is 60t

| Radius (m) | 84 | 90 | 96 | 102 | 108 | 114 | Radius (m) |
|---|---|---|---|---|---|---|---|
| 14 | 154 | 138 | | | | | 14 |
| 15 | 150 | 136 | 132 | | | | 15 |
| 16 | 140 | 134 | 130 | 118 | 106 | | 16 |
| 17 | 132 | 129 | 125 | 115 | 105 | 89.5 | 17 |
| 18 | 126 | 122 | 117 | 112 | 104 | 88.5 | 18 |
| 19 | 120 | 116 | 111 | 107 | 101 | 87.5 | 19 |
| 20 | 115 | 110 | 106 | 102 | 98 | 86.5 | 20 |
| 22 | 105 | 100 | 97.2 | 93.1 | 89.5 | 83.6 | 22 |
| 24 | 95.9 | 91.9 | 89.2 | 85.4 | 82 | 78.4 | 24 |
| 26 | 88.3 | 84.6 | 82.1 | 78.5 | 75.4 | 72 | 26 |
| 28 | 81.6 | 78 | 75.8 | 72.5 | 69.6 | 66.3 | 28 |
| 30 | 75.6 | 72.3 | 70.2 | 67 | 64.3 | 61.2 | 30 |
| 32 | 70.3 | 67.1 | 65.2 | 62.1 | 59.5 | 56.6 | 32 |
| 34 | 65.4 | 62.4 | 60.6 | 57.7 | 55.2 | 52.3 | 34 |
| 36 | 61.1 | 58.1 | 56.5 | 53.7 | 51.3 | 48.5 | 36 |
| 38 | 57.1 | 54.2 | 52.7 | 50 | 47.7 | 45 | 38 |
| 40 | 53.4 | 50.7 | 49.3 | 46.6 | 44.4 | 41.8 | 40 |
| 44 | 47 | 44.4 | 43.2 | 40.6 | 38.6 | 36.1 | 44 |
| 48 | 41.6 | 39 | 37.9 | 35.5 | 33.5 | 31.1 | 48 |
| 52 | 36.9 | 34.4 | 33.4 | 31 | 29.2 | 26.8 | 52 |
| 56 | 32.7 | 30.4 | 29.4 | 27.1 | 25.3 | 23.1 | 56 |
| 60 | 29.1 | 26.8 | 25.9 | 23.7 | 21.9 | 19.7 | 60 |
| 64 | 25.9 | 23.6 | 22.8 | 20.6 | 18.9 | 16.7 | 64 |
| 68 | 23 | 20.8 | 20 | 17.9 | 16.2 | 14.1 | 68 |
| 72 | 20.5 | 18.3 | 17.5 | 15.4 | 13.8 | 11.7 | 72 |
| 76 | 18.1 | 16 | 15.3 | 13.1 | 11.5 | 7.9 | 76 |
| 80 | 16 | 13.9 | 13.2 | 11.1 | 9.5 | | 80 |
| 84 | 14.1 | 12 | 11.3 | 9.2 | 6.4 | | 84 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2.The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.
4. HJFJ114+12 working condition boom (rear counterweight 230t and center counterweight 40t).





Unit: t

## Load Chart of HJFJ Configuration

**SCC6500A Crawler Crane - Load Chart of HJFJ Configuration 3/3**

Main boom length ranges 84m - 114m, auxiliary boom 12m, main and auxiliary boom included angle is 20°, rear counterweight is 210t, central counterweight is 60t

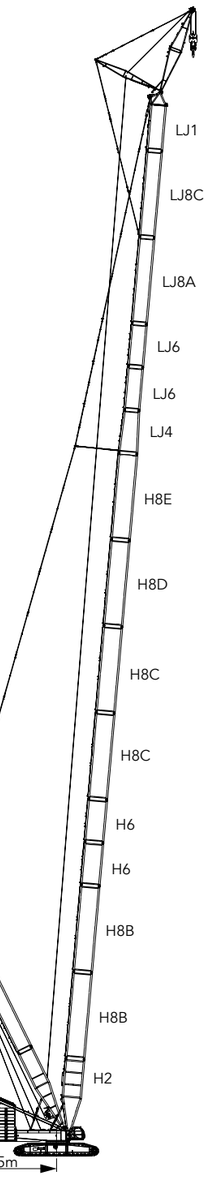
| Radius (m) | 84 | 90 | 96 | 102 | 108 | 114 | Radius (m) |
|---|---|---|---|---|---|---|---|
| 15 | 124 | 122 | | | | | 15 |
| 16 | 123 | 120 | 116 | 112 | | | 16 |
| 17 | 121 | 118 | 114 | 111 | 103 | 85 | 17 |
| 18 | 119 | 115 | 111 | 109 | 102 | 84 | 18 |
| 19 | 117 | 112 | 108 | 106 | 101 | 83 | 19 |
| 20 | 114 | 109 | 105 | 103 | 99.1 | 82 | 20 |
| 22 | 106 | 101 | 98.2 | 94.1 | 90.5 | 79.3 | 22 |
| 24 | 96.8 | 92.8 | 90.1 | 86.3 | 83 | 76.7 | 24 |
| 26 | 89.1 | 85.4 | 83 | 79.4 | 76.3 | 72.9 | 26 |
| 28 | 82.3 | 78.8 | 76.6 | 73.3 | 70.4 | 67.2 | 28 |
| 30 | 76.3 | 73 | 71 | 67.8 | 65.1 | 62 | 30 |
| 32 | 70.9 | 67.7 | 65.9 | 62.8 | 60.3 | 57.3 | 32 |
| 34 | 66 | 63 | 61.3 | 58.4 | 55.9 | 53.1 | 34 |
| 36 | 61.6 | 58.7 | 57.1 | 54.3 | 51.9 | 49.2 | 36 |
| 38 | 57.6 | 54.8 | 53.3 | 50.6 | 48.3 | 45.6 | 38 |
| 40 | 53.9 | 51.2 | 49.8 | 47.2 | 45.0 | 42.4 | 40 |
| 44 | 47.5 | 44.9 | 43.6 | 41.1 | 39.1 | 36.6 | 44 |
| 48 | 42.0 | 39.5 | 38.3 | 35.9 | 34.0 | 31.6 | 48 |
| 52 | 37.2 | 34.8 | 33.8 | 31.4 | 29.6 | 27.3 | 52 |
| 56 | 33.0 | 30.7 | 29.8 | 27.5 | 25.7 | 23.5 | 56 |
| 60 | 29.4 | 27.1 | 26.2 | 24.0 | 22.3 | 20.1 | 60 |
| 64 | 26.1 | 23.9 | 23.1 | 20.9 | 19.2 | 17.1 | 64 |
| 68 | 23.2 | 21.0 | 20.3 | 18.1 | 16.5 | 14.4 | 68 |
| 72 | 20.6 | 18.5 | 17.7 | 15.6 | 14.0 | 11.9 | 72 |
| 76 | 18.3 | 16.1 | 15.4 | 13.4 | 11.8 | 8.8 | 76 |
| 80 | 16.1 | 14.0 | 13.4 | 11.3 | 9.7 | 4.5 | 80 |
| 84 | 14.2 | 12.1 | 11.4 | 9.4 | 7.2 | | 84 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2.The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.
4. HJFJ114+12 working condition boom (rear counterweight 230t and center counterweight 40t).

## HJFJDB Boom Combination

| Boom length (m) | Boom insert 3m | Boom insert 6m | Boom insert 12m | Jib insert 6m | Jib insert 12m | |
|---|---|---|---|---|---|---|
| 114* | — | 1 | 5 | — | 2 | Fixed jib 12m |
| 117* | 1 | 1 | 5 | — | 2 | |
| 120* | — | 2 | 5 | — | 2 | |
| 123* | 1 | 2 | 5 | — | 2 | |
| 126* | — | 1 | 6 | — | 2 | |
| 129* | 1 | 1 | 6 | — | 2 | |
| 132* | — | 2 | 6 | — | 2 | |
| 135* | 1 | 2 | 6 | — | 2 | |
| 138* | — | 2 | 6 | 1 | 2 | |
| 141* | 1 | 2 | 6 | 1 | 2 | |
| 144* | — | 2 | 6 | 2 | 2 | |

Notes: main boom base 10.5m, 6m tapered section, 7.5m jib top are must. In the jib configuration: jib base, 6m tapered section and jib upper boom are must.The mid-point suspension cable must be used for all boom length from 114m – 144m, otherwise, there is danger of boom breaking.

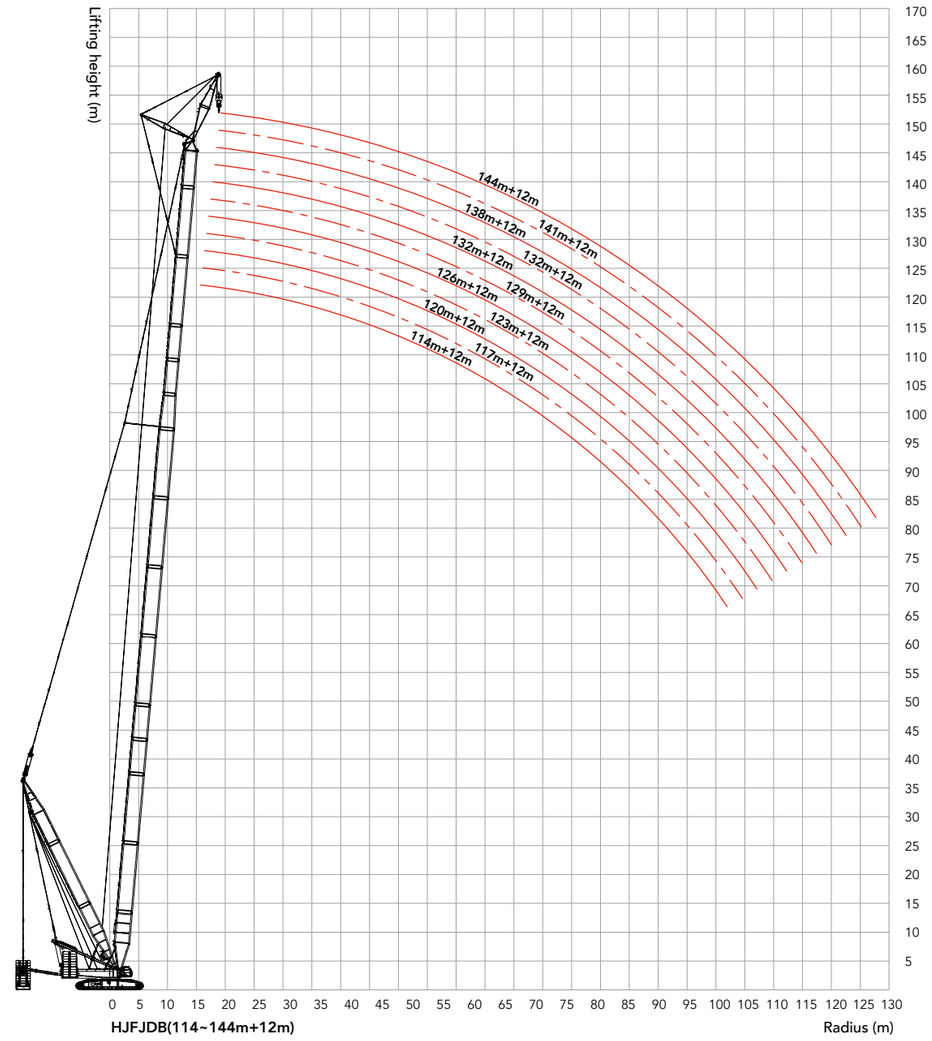



HJFJDB(114~144m+12m)





## HJFJDB Work Radius




HJFJDB(114~144m+12m)

Unit: t

## Load Chart of HJFJDB Congfiguration

### SCC6500A Crawler Crane —Load Chart of HJFJDB Congfiguration 1/3

The main boom length ranges 114 - 144m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 10°, the overload lifting radius is 19m, overload lifting counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 114 | 117 | 120 | 123 | 126 | 129 | 132 | 135 | 138 | 141 | 144 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 124* | | | | | | | | | | | 15 |
| 16 | 124* | 117* | 109* | 106* | | | | | | | | 16 |
| 17 | 124* | 117* | 109* | 106* | 101* | 97.2* | 93.0* | 88.1* | | | | 17 |
| 18 | 124* | 117* | 109* | 106* | 101* | 97.5* | 92.9* | 88.0* | 82.0* | 77.7* | 72.4* | 18 |
| 19 | 124* | 117* | 109* | 105* | 100* | 97.2* | 92.6* | 87.9* | 81.7* | 77.6* | 72.1* | 19 |
| 20 | 124* | 116* | 109* | 105* | 100* | 97.0* | 92.4* | 87.8* | 81.5* | 77.6* | 72.0* | 20 |
| 22 | 123* | 116* | 109* | 105* | 100* | 96.5* | 92.2* | 87.7* | 81.4* | 77.5* | 71.7* | 22 |
| 24 | 123* | 115* | 108* | 104* | 99.5* | 96.1* | 92.1* | 87.4* | 81.0* | 77.2* | 71.2* | 24 |
| 26 | 123* | 115* | 108* | 103* | 98.8* | 95.5* | 91.9* | 87.0* | 80.8* | 76.9* | 70.9* | 26 |
| 28 | 123* | 114* | 107* | 102* | 97.6* | 94.5* | 91.4* | 86.3* | 80.6* | 76.4* | 70.6* | 28 |
| 30 | 122* | 113* | 106* | 101* | 96.3* | 93.4* | 90.5* | 85.5* | 80.3* | 76.0* | 70.4* | 30 |
| 32 | 120* | 112* | 105* | 99.9* | 94.8* | 92.2* | 89.6* | 84.9* | 80.1* | 75.7* | 70.0* | 32 |
| 34 | 119* | 110* | 103* | 98.2* | 93.3* | 90.9* | 88.5* | 84.0* | 79.4* | 75.3* | 69.7* | 34 |
| 36 | 117* | 108* | 101* | 96.5* | 91.9* | 89.5* | 87.0* | 82.6* | 78.1* | 74.5* | 69.4* | 36 |
| 38 | 115* | 106* | 99.4* | 94.8* | 90.1* | 87.8* | 85.4* | 81.1* | 76.8* | 73.6* | 69.1* | 38 |
| 40 | 113* | 104* | 97.3* | 92.6* | 87.9* | 85.8* | 83.7* | 79.6* | 75.4* | 72.6* | 68.8* | 40 |
| 44 | 108* | 101* | 94.2* | 89.4* | 84.6* | 82.7* | 80.8* | 76.9* | 72.9* | 70.8* | 68.2* | 44 |
| 48 | 102* | 96.5* | 91.1* | 86.1* | 81.0* | 79.4* | 77.7* | 73.9* | 70.1* | 68.5* | 66.9* | 48 |
| 52 | 96.1 | 91.4* | 86.8* | 81.9* | 77.0* | 75.4* | 73.7* | 70.3* | 66.8* | 65.7* | 64.5* | 52 |
| 56 | 90.5 | 86.5 | 83.1* | 78.2* | 73.2* | 71.3* | 69.4* | 66.4* | 63.4* | 62.6* | 61.8* | 56 |
| 60 | 85.1 | 81.6 | 78.8 | 74.3* | 69.8* | 67.6* | 65.4* | 62.5* | 59.6* | 59.5* | 59.3* | 60 |
| 64 | 80.2 | 77.3 | 74.8 | 70.8 | 66.7* | 64.3* | 61.9* | 59.3* | 56.7* | 56.5* | 56.2* | 64 |
| 68 | 75.4 | 73.1 | 71.0 | 67.8 | 64.5 | 61.9 | 59.2* | 56.6* | 53.9* | 53.4* | 52.9* | 68 |
| 72 | 72.0 | 70.1 | 68.3 | 65.0 | 61.7 | 59.0 | 56.2 | 53.9 | 51.6* | 50.8* | 45.5* | 72 |
| 76 | 69.5 | 67.5 | 65.7 | 62.4 | 59.1 | 56.7 | 54.2 | 52.1 | 50.0 | 48.9 | 37.7* | 76 |
| 80 | 67.7 | 65.4 | 63.4 | 60.1 | 56.8 | 54.6 | 52.4 | 50.6 | 48.7 | 47.4 | 30.4* | 80 |
| 84 | 65.7 | 63.2 | 61.5 | 58.2 | 54.8 | 53.1 | 51.4 | 49.5 | 47.6 | 41.2* | 23.5* | 84 |
| 88 | 63.8 | 61.5 | 59.3 | 56.0 | 52.7 | 51.7 | 50.6 | 48.6 | 45.2 | 34.2* | 17.1* | 88 |
| 92 | 62.3 | 59.9 | 58.0 | 54.7 | 51.4 | 50.3 | 49.2 | 47.2 | 37.0 | 26.9* | 11.1* | 92 |
| 96 | 60.9 | 59.0 | 57.1 | 53.6 | 50.0 | 48.8 | 47.5 | 45.7 | 29.3* | 20.0* | | 96 |
| 100 | 59.6 | 57.6 | 55.7 | 52.2 | 48.6 | 47.3 | 46.0 | 44.3 | 22.0* | 13.4* | | 100 |
| 104 | 57.4 | 55.5 | 53.8 | 50.5 | 47.2 | 45.8 | 44.3 | 39.9 | 15.1* | 7.1* | | 104 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.





Unit: t

Load Chart of HJFJDB Congfiguration

### SCC6500A Crawler Crane —Load Chart of HJFJDB Congfiguration 2/3

The main boom length ranges 114 - 144m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 15°, the overload lifting radius is 19m, overload lifting counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 114 | 117 | 120 | 123 | 126 | 129 | 132 | 135 | 138 | 141 | 144 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 121* | | | | | | | | | | | 16 |
| 17 | 121* | 114* | 108* | 103* | | | | | | | | 17 |
| 18 | 121* | 114* | 108* | 103* | 99.5* | 94.6* | 91.9* | 85.2* | | | | 18 |
| 19 | 121* | 114* | 108* | 103* | 99.5* | 94.6* | 91.9* | 85.1* | 80.0* | 74.8* | 71.4* | 19 |
| 20 | 121* | 114* | 107* | 102* | 99.3* | 94.6* | 91.6* | 85.0* | 80.0* | 74.8* | 71.4* | 20 |
| 22 | 121* | 114* | 107* | 102* | 98.9* | 94.3* | 91.6* | 84.9* | 80.0* | 74.8* | 71.4* | 22 |
| 24 | 121* | 114* | 107* | 102* | 98.5* | 94.0* | 91.5* | 84.8* | 80.0* | 74.7* | 71.2* | 24 |
| 26 | 121* | 113* | 106* | 101* | 98.0* | 93.5* | 91.2* | 84.6* | 80.0* | 74.5* | 70.8* | 26 |
| 28 | 120* | 112* | 105* | 100* | 97.5* | 92.9* | 90.5* | 84.2* | 80.0* | 74.3* | 70.4* | 28 |
| 30 | 119* | 111* | 104* | 99.1* | 96.2* | 91.8* | 89.7* | 83.6* | 79.5* | 74.1* | 70.4* | 30 |
| 32 | 118* | 110* | 103* | 98.2* | 95.0* | 90.2* | 88.8* | 83.0* | 79.2* | 73.7* | 70.0* | 32 |
| 34 | 117* | 109* | 102* | 96.8* | 93.5* | 88.8* | 87.7* | 82.2* | 78.6* | 73.3* | 69.7* | 34 |
| 36 | 115* | 107* | 100* | 95.1* | 92.0* | 87.4* | 86.3* | 80.9* | 77.4* | 72.5* | 69.3* | 36 |
| 38 | 113* | 105* | 98.5* | 93.6* | 90.6* | 85.9* | 84.7* | 79.5* | 76.2* | 71.5* | 68.5* | 38 |
| 40 | 111* | 103* | 96.4* | 92.1* | 89.4* | 84.5* | 83.0* | 78.0* | 74.9* | 70.5* | 67.8* | 40 |
| 44 | 106* | 99.2* | 93.4* | 88.8* | 85.9* | 81.4* | 80.2* | 75.4* | 72.5* | 68.7* | 66.5* | 44 |
| 48 | 100* | 94.7* | 90.3* | 85.5* | 83.3* | 78.6* | 77.1* | 72.6* | 69.8* | 66.5* | 64.8* | 48 |
| 52 | 94.5 | 89.2* | 86.1* | 81.3* | 79.8* | 74.9* | 73.1* | 69.0* | 66.6* | 63.8* | 62.5* | 52 |
| 56 | 89.1 | 84.7 | 82.4* | 77.6* | 75.9* | 71.0* | 68.9* | 64.8* | 63.3* | 60.9* | 59.9* | 56 |
| 60 | 84.0 | 80.1 | 78.2 | 73.7* | 72.2* | 67.2* | 64.9* | 61.0* | 59.6* | 57.4* | 57.5* | 60 |
| 64 | 79.2 | 75.8 | 74.2 | 70.1 | 68.9 | 63.8* | 61.4* | 57.9* | 56.7* | 54.6* | 54.7* | 64 |
| 68 | 74.5 | 71.6 | 70.5 | 66.8 | 65.9 | 61.1 | 58.7* | 55.2* | 53.9* | 51.7* | 51.7* | 68 |
| 72 | 71.2 | 68.7 | 67.9 | 64.5 | 63.8 | 58.6 | 55.8 | 52.6* | 51.6* | 49.3* | 49.0* | 72 |
| 76 | 68.8 | 66.3 | 65.4 | 62.1 | 61.1 | 56.4 | 53.9 | 50.9 | 50.0 | 47.6* | 42.9* | 76 |
| 80 | 67.1 | 64.4 | 63.2 | 59.7 | 58.6 | 54.3 | 52.2 | 49.4 | 48.7 | 46.2 | 35.4* | 80 |
| 84 | 65.2 | 62.5 | 61.4 | 57.7 | 56.4 | 52.8 | 51.3 | 48.5 | 47.6 | 45.0 | 27.2* | 84 |
| 88 | 63.4 | 60.6 | 59.3 | 55.8 | 54.5 | 51.5 | 50.6 | 47.6 | 46.5 | 38.3 | 19.5* | 88 |
| 92 | 62.0 | 59.3 | 58.0 | 54.1 | 52.5 | 49.8 | 49.2 | 46.3 | 42.7 | 30.8* | 12.3* | 92 |
| 96 | 60.7 | 58.2 | 57.1 | 53.1 | 51.3 | 48.4 | 47.5 | 44.8 | 33.4 | 22.5* | 6.5* | 96 |
| 100 | 59.5 | 56.9 | 55.7 | 51.8 | 50.0 | 47.0 | 46.0 | 43.4 | 24.7* | 15.9* | | 100 |
| 104 | 57.4 | 54.9 | 53.8 | 50.2 | 48.6 | 45.5 | 44.3 | 41.6 | 16.4* | 9.5* | | 104 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.

Unit: t

## Load Chart of HJFJDB Congfiguration

**SCC6500A Crawler Crane —Load Chart of HJFJDB Congfiguration 3/3**

The main boom length ranges 114 - 144m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 20°, the overload lifting radius is 19m, overload lifting counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 114 | 117 | 120 | 123 | 126 | 129 | 132 | 135 | 138 | 141 | 144 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | 118* | | | | | | | | | | | 17 |
| 18 | 118* | 110* | 105* | 101* | | | | | | | | 18 |
| 19 | 118* | 110* | 105* | 101* | 98.2* | 94.1* | 90.5* | 84.1* | | | | 19 |
| 20 | 118* | 110* | 105* | 101* | 98.2* | 93.8* | 90.5* | 84.1* | 79.3* | 74.4* | 70.3* | 20 |
| 22 | 118* | 110* | 105* | 101* | 97.7* | 93.8* | 90.5* | 83.9* | 79.1* | 74.2* | 70.1* | 22 |
| 24 | 118* | 110* | 104* | 100.0* | 97.6* | 93.1* | 90.0* | 83.6* | 78.8* | 73.9* | 69.7* | 24 |
| 26 | 117* | 109* | 103* | 99.2* | 97.5* | 92.4* | 89.1* | 83.0* | 78.6* | 73.6* | 69.3* | 26 |
| 28 | 116* | 108* | 102* | 98.1* | 96.2* | 91.2* | 88.1* | 82.2* | 78.0* | 73.3* | 69.3* | 28 |
| 30 | 115* | 107* | 101* | 97.0* | 95.0* | 90.3* | 87.4* | 81.5* | 77.3* | 72.7* | 68.9* | 30 |
| 32 | 114* | 106* | 100.0* | 95.5* | 93.0* | 88.9* | 86.6* | 80.7* | 76.4* | 72.2* | 68.7* | 32 |
| 34 | 112* | 104* | 98.5* | 94.3* | 92.0* | 87.9* | 85.6* | 79.6* | 75.3* | 71.4* | 68.3* | 34 |
| 36 | 110* | 102* | 96.8* | 92.5* | 90.0* | 86.3* | 84.3* | 78.4* | 74.1* | 70.4* | 67.5* | 36 |
| 38 | 108* | 100.0* | 94.9* | 90.7* | 88.4* | 84.8* | 82.9* | 77.2* | 73.0* | 69.6* | 66.8* | 38 |
| 40 | 106* | 98.6* | 93.2* | 89.2* | 87.0* | 83.4* | 81.4* | 75.8* | 71.8* | 68.5* | 65.8* | 40 |
| 44 | 102* | 95.0* | 89.9* | 85.7* | 83.3* | 80.2* | 78.8* | 73.5* | 69.6* | 66.6* | 64.2* | 44 |
| 48 | 97.0* | 91.1* | 87.0* | 82.1* | 80.5* | 76.6* | 75.8* | 70.1* | 67.3* | 64.4* | 62.2* | 48 |
| 52 | 92.0* | 85.8* | 83.0* | 78.5* | 77.2* | 73.1* | 71.9* | 66.8* | 64.5* | 61.2* | 60.3* | 52 |
| 56 | 87.1 | 81.6* | 79.5* | 75.0* | 73.5* | 69.2* | 67.8* | 63.4* | 61.6* | 58.7* | 58.1* | 56 |
| 60 | 82.2 | 77.3 | 75.5* | 71.3* | 70.0* | 65.6* | 63.9* | 59.7* | 58.0* | 55.9* | 56.1* | 60 |
| 64 | 77.6 | 73.3 | 71.9 | 68.0* | 66.9* | 62.4* | 60.5* | 56.7* | 55.2* | 53.4* | 53.7* | 64 |
| 68 | 73.1 | 69.4 | 68.6 | 65.0 | 64.1 | 59.8* | 57.9* | 54.1* | 52.5* | 50.7* | 50.9* | 68 |
| 72 | 70.0 | 66.8 | 66.4 | 63.0 | 62.2 | 57.5 | 55.1 | 51.6* | 50.3* | 48.3* | 48.3* | 72 |
| 76 | 67.8 | 64.6 | 64.1 | 60.7 | 59.7 | 55.4 | 53.3 | 50.1 | 48.9* | 46.7* | 46.5* | 76 |
| 80 | 66.3 | 62.9 | 62.1 | 58.6 | 57.4 | 53.5 | 51.7 | 48.8 | 47.8 | 45.5 | 40.5* | 80 |
| 84 | 64.6 | 61.3 | 60.5 | 56.8 | 55.4 | 52.1 | 50.9 | 47.9 | 46.9 | 44.4 | 30.9* | 84 |
| 88 | 63.0 | 59.6 | 58.6 | 55.0 | 53.7 | 51.0 | 50.3 | 47.2 | 46.0 | 43.4 | 23.0* | 88 |
| 92 | 61.8 | 58.5 | 57.5 | 53.6 | 51.9 | 49.4 | 49.0 | 46.0 | 44.8 | 34.9* | 14.6* | 92 |
| 96 | 60.7 | 57.6 | 56.8 | 52.8 | 50.9 | 48.2 | 47.4 | 44.6 | 37.6 | 26.4* | 7.6* | 96 |
| 100 | 59.5 | 56.4 | 55.6 | 51.6 | 49.8 | 46.9 | 46.0 | 43.3 | 28.7* | 18.4* | | 100 |
| 104 | 57.4 | 54.5 | 53.8 | 50.2 | 48.6 | 45.5 | 44.3 | 41.5 | 19.0* | 10.7* | | 104 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.



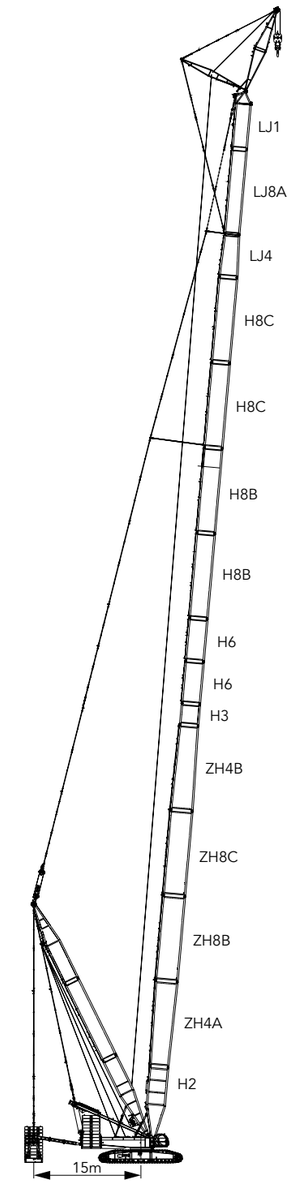


## HJFJDB_4 Boom Combination

**HJFJDB_4 Boom Combination**

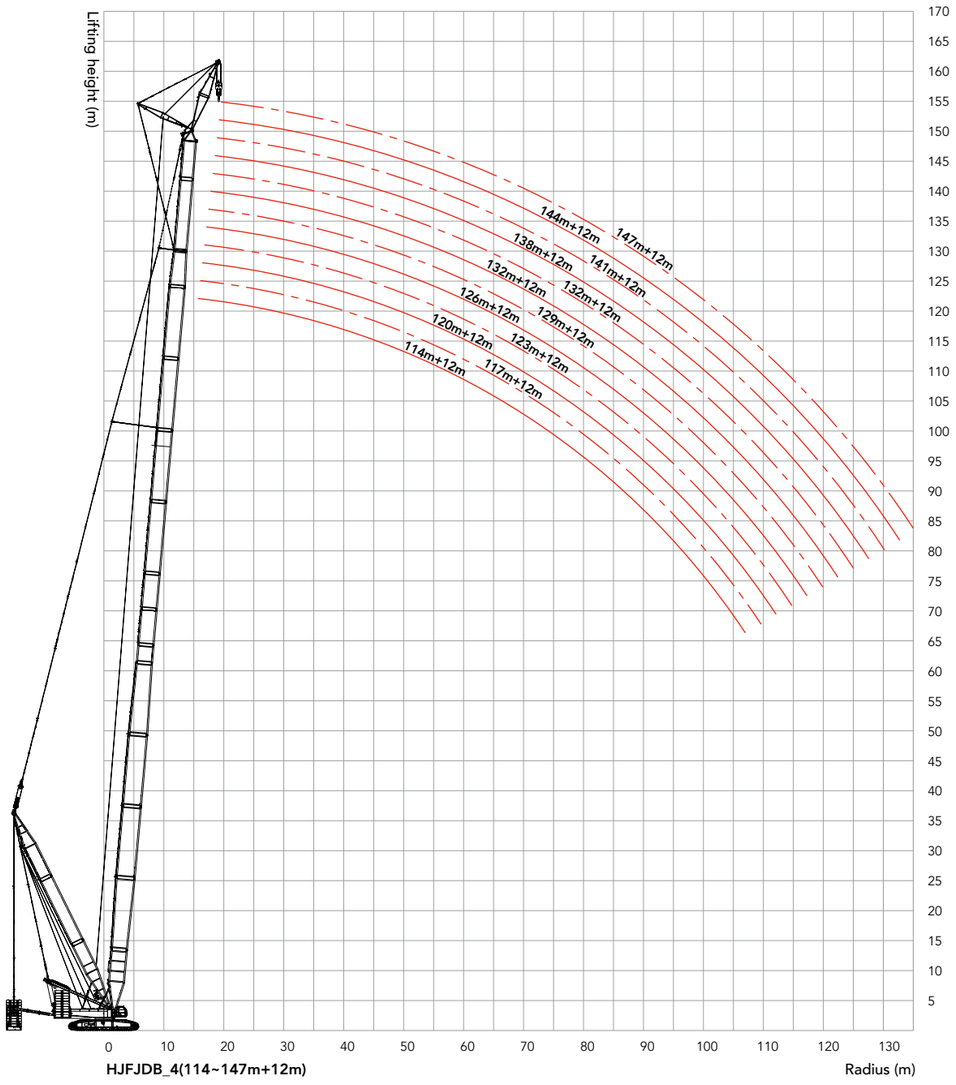
| Boom length (m) | Enhancing boom | Middle arm of the boom | | | |
|---|---|---|---|---|---|
| | 12m | 3m | 6m | 12m | |
| 114 | 2 | — | 1 | 2 | Fixed Jib 12m |
| 117 | 2 | 1 | 1 | 2 | |
| 120 | 2 | — | 2 | 2 | |
| 123 | 2 | 1 | — | 3 | |
| 126 | 2 | — | 1 | 3 | |
| 29 | 2 | 1 | 1 | 3 | |
| 32 | 2 | — | 2 | 3 | |
| 135 | 2 | 1 | — | 4 | |
| 138 | 2 | — | 1 | 4 | |
| 141 | 2 | 1 | 1 | 4 | |
| 144 | 2 | — | 2 | 4 | |
| 147 | 2 | 1 | 2 | 4 | |

Notes: The boom base, upper and lower tapered sections of reinforcing boom, 6m tapered section boom, 12m jib insert and jib top are must. The mid-point suspension cable must be used for all boom length from 114m to 147m, otherwise, there is danger of boom breaking.




**HJFJDB_4(114~147m+12m)**

## HJFJDB_4 Work Radius








Unit: t

## Load Chart of HJFJDB_4 Congfiguration

**SCC6500A Crawler Crane - Load Chart of HJFJDB_4 Congfiguration 1/3**

The main boom length ranges 114 - 147m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 10°, the overload lifting radius is 19m, overload lifting counterweight is 310t, the rear counterweight is 210t, the center weight is 60t

| Radius (m) | 114 | 117 | 120 | 123 | 126 | 129 | 132 | 135 | 138 | 141 | 144 | 147 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 162* | | | | | | | | | | | | 15 |
| 16 | 162* | 157* | 151* | 145* | | | | | | | | | 16 |
| 17 | 162* | 157* | 151* | 145* | 135* | 130* | 125* | 119* | | | | | 17 |
| 18 | 162* | 157* | 151* | 145* | 135* | 130* | 125* | 119* | 113* | 108* | 102* | 96.9* | 18 |
| 19 | 162* | 157* | 151* | 145* | 135* | 130* | 125* | 119* | 113* | 108* | 102* | 96.5* | 19 |
| 20 | 162* | 157* | 151* | 145* | 135* | 130* | 125* | 119* | 113* | 108* | 101* | 96.5* | 20 |
| 22 | 160* | 156* | 151* | 145* | 135* | 130* | 125* | 119* | 112* | 107* | 101* | 96.2* | 22 |
| 24 | 157* | 155* | 151* | 145* | 135* | 130* | 125* | 119* | 112* | 106* | 101* | 95.9* | 24 |
| 26 | 152* | 152* | 149* | 145* | 135* | 130* | 124* | 118* | 111* | 105* | 100* | 95.7* | 26 |
| 28 | 146* | 147* | 146* | 144* | 135* | 130* | 124* | 118* | 111* | 105* | 99.9* | 95.5* | 28 |
| 30 | 141* | 142* | 142* | 142* | 134* | 129* | 123* | 118* | 110* | 105* | 99.6* | 95.2* | 30 |
| 32 | 136* | 137* | 138* | 139* | 134* | 129* | 123* | 117* | 109* | 105* | 99.2* | 94.9* | 32 |
| 34 | 130* | 131* | 132* | 135* | 133* | 128* | 122* | 116* | 108* | 104* | 98.9* | 94.7* | 34 |
| 36 | 125* | 126* | 127* | 130* | 131* | 127* | 121* | 115* | 107* | 103* | 98.4* | 94.2* | 36 |
| 38 | 120* | 121* | 123* | 125* | 127* | 125* | 120* | 114* | 106* | 102* | 97.8* | 93.2* | 38 |
| 40 | 116* | 117* | 119* | 121 | 122 | 122 | 118* | 113* | 105* | 101* | 96.8* | 91.5* | 40 |
| 44 | 110 | 111 | 113 | 114 | 115 | 115 | 113 | 110 | 104 | 99.4* | 95.1* | 88.8* | 44 |
| 48 | 105 | 106 | 107 | 108 | 109 | 111 | 109 | 106 | 102 | 97.4 | 93.3 | 86.5* | 48 |
| 52 | 100 | 101 | 102 | 103 | 104 | 106 | 105 | 102 | 99.5 | 95.4 | 91.3 | 85.1 | 52 |
| 56 | 95.1 | 96.8 | 97.6 | 99.1 | 99.9 | 101 | 102 | 99.7 | 97.5 | 93.9 | 88.9 | 83.3 | 56 |
| 60 | 91.1 | 92.8 | 93.6 | 95 | 95.9 | 97 | 98.5 | 97.5 | 94.6 | 91.5 | 86.3 | 81.5 | 60 |
| 64 | 88 | 89.1 | 89.9 | 91 | 92.3 | 94 | 95.5 | 94.2 | 91.6 | 89.9 | 84.4 | 79.9 | 64 |
| 68 | 84.5 | 85.7 | 86.5 | 87.6 | 88.9 | 90 | 91 | 89.5 | 87 | 86.1 | 81.7 | 77.8 | 68 |
| 72 | 81 | 82.7 | 83.4 | 84.3 | 85.4 | 84.3 | 83.5 | 82.2 | 80.5 | 80.9 | 77.5 | 74.6 | 72 |
| 76 | 77.9 | 79.2 | 79.8 | 78.8 | 78.8 | 77.8 | 77.1 | 75.8 | 74.1 | 74.6 | 71.6 | 69.6 | 76 |
| 80 | 74.9 | 74.7 | 73.9 | 72.9 | 73 | 71.9 | 71.2 | 70 | 68.4 | 68.8 | 65.1 | 64.4 | 80 |
| 84 | 71.1 | 69.4 | 68.6 | 67.6 | 67.6 | 66.6 | 65.9 | 64.7 | 63.3 | 61.5 | 60 | 58.2 | 84 |
| 88 | 66.2 | 64.5 | 63.8 | 62.7 | 62.8 | 61.8 | 61.1 | 59.9 | 58.6 | 55.7 | 55.2 | 53.8 | 88 |
| 92 | 61.7 | 60.1 | 59.3 | 57.4 | 56.9 | 57.2 | 56.6 | 55.4 | 54.1 | 50.5 | 50.6 | 49.3 | 92 |
| 96 | 57.6 | 55.8 | 54.9 | 52.7 | 52.9 | 51.9 | 51.2 | 50.1 | 49.2 | 46.7 | 46.5 | 45.2 | 96 |
| 100 | 53.8 | 50.9 | 50.1 | 49.1 | 49.3 | 48.3 | 47.5 | 46.5 | 45.6 | 43.3 | 42.6 | 41.2 | 100 |
| 104 | 50.3 | 47.4 | 46.8 | 45.7 | 45.9 | 44.9 | 44.2 | 43.1 | 42.4 | 40.1 | 38.8 | 37.6 | 104 |
| 108 | 47 | 44.4 | 43.6 | 42.6 | 42.8 | 41.8 | 41 | 40 | 39.3 | 37.1 | 35.4 | 34 | 108 |
| 112 | 44 | 41.4 | 40.7 | 39.7 | 39.9 | 38.9 | 38.1 | 37.1 | 36.4 | 34.4 | 32.2 | 30.7 | 112 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.

Unit: t

## Load Chart of HJFJDB_4 Congfiguration

### SCC6500A Crawler Crane - Load Chart of HJFJDB_4 Congfiguration 2/3

The main boom length ranges 114 - 147m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 15°, the overload lifting radius is 19m, overload lifting counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

| Radius (m) | 114 | 117 | 120 | 123 | 126 | 129 | 132 | 135 | 138 | 141 | 144 | 147 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 161* | | | | | | | | | | | | 16 |
| 17 | 161* | 156* | 150* | 144* | | | | | | | | | 17 |
| 18 | 161* | 156* | 150* | 144* | 134* | 129* | 124* | 118* | | | | | 18 |
| 19 | 161* | 156* | 150* | 144* | 134* | 129* | 124* | 118* | 112* | 107* | 101* | 96.2* | 19 |
| 20 | 161* | 156* | 150* | 144* | 134* | 129* | 124* | 118* | 112* | 107* | 101* | 96.2* | 20 |
| 22 | 160* | 155* | 150* | 144* | 134* | 129* | 124* | 118* | 111* | 106* | 100* | 95.9* | 22 |
| 24 | 156* | 154* | 150* | 144* | 134* | 129* | 124* | 118* | 111* | 106* | 100* | 95.7* | 24 |
| 26 | 151* | 151* | 148* | 144* | 134* | 129* | 123* | 117* | 110* | 105* | 99.9* | 95.4* | 26 |
| 28 | 145* | 146* | 147* | 144* | 134* | 129* | 123* | 117* | 110* | 105* | 99.7* | 95.2* | 28 |
| 30 | 140* | 141* | 142* | 141* | 133* | 128* | 122* | 117* | 109* | 105* | 99.4* | 94.9* | 30 |
| 32 | 135* | 136* | 138* | 137* | 133* | 128* | 122* | 116* | 109* | 104* | 99.0* | 94.6* | 32 |
| 34 | 131* | 131* | 133* | 133* | 132* | 127* | 121* | 115* | 108* | 103* | 98.7* | 94.4* | 34 |
| 36 | 126* | 126* | 128* | 129* | 130* | 124* | 120* | 114* | 107* | 102* | 98.2* | 93.9* | 36 |
| 38 | 121* | 122* | 124* | 124* | 126* | 121* | 117* | 112* | 106* | 101* | 97.7* | 92.5* | 38 |
| 40 | 116* | 117* | 119* | 120* | 120* | 118* | 115* | 110* | 104* | 100* | 96.7* | 91.2* | 40 |
| 44 | 110 | 111 | 112 | 113 | 115 | 115 | 113 | 108 | 102* | 98.3* | 95.0* | 88.7* | 44 |
| 48 | 105 | 105 | 107 | 108 | 109 | 110 | 109 | 105 | 101 | 97.3 | 93.2 | 87.1* | 48 |
| 52 | 99.6 | 101 | 101 | 102 | 103 | 105 | 106 | 102 | 99.3 | 95.3 | 91.2 | 85 | 52 |
| 56 | 95.6 | 96.2 | 96.9 | 98.3 | 99.3 | 101 | 102 | 99.2 | 97.3 | 93.8 | 88.8 | 83.2 | 56 |
| 60 | 90.5 | 92.1 | 93 | 94.3 | 95.3 | 96.3 | 97.8 | 95.5 | 94.4 | 91.4 | 86.2 | 81.4 | 60 |
| 64 | 87.5 | 88.5 | 89.3 | 90.3 | 91.8 | 92.4 | 93.8 | 91.7 | 91.4 | 88.8 | 83.3 | 78.9 | 64 |
| 68 | 84.5 | 85.1 | 85.9 | 86.9 | 88.4 | 87.4 | 88.4 | 87.1 | 86.8 | 85.1 | 80.6 | 76.7 | 68 |
| 72 | 80.5 | 82.1 | 81.8 | 82.6 | 83.9 | 82.7 | 82.9 | 81.8 | 80.3 | 80.9 | 76.4 | 73.5 | 72 |
| 76 | 77.5 | 77.5 | 78.3 | 78.2 | 78.3 | 77.2 | 76.5 | 75.5 | 74 | 74.5 | 71.5 | 69.6 | 76 |
| 80 | 74.4 | 73.2 | 73.4 | 72.3 | 72.5 | 71.4 | 70.7 | 69.7 | 68.3 | 68.7 | 66.4 | 64.3 | 80 |
| 84 | 70.4 | 68.9 | 68.1 | 67 | 67.2 | 66.2 | 65.5 | 64.4 | 63.2 | 62.4 | 61.3 | 59.4 | 84 |
| 88 | 65.8 | 64.1 | 63.3 | 62.2 | 62.4 | 61.3 | 60.7 | 59.6 | 58.5 | 55.7 | 56.4 | 54.9 | 88 |
| 92 | 61.4 | 59.7 | 58.9 | 57.9 | 58 | 57 | 56.3 | 55.2 | 54.2 | 51.5 | 51.6 | 50.3 | 92 |
| 96 | 57.2 | 55.7 | 54.9 | 53.8 | 54 | 52.9 | 52.2 | 51.2 | 50.2 | 47.7 | 47.4 | 46.2 | 96 |
| 100 | 53.5 | 51.9 | 51.2 | 50.1 | 50.3 | 49.3 | 48.5 | 47.4 | 46.6 | 44.2 | 43.5 | 42 | 100 |
| 104 | 50 | 48.4 | 47.7 | 46.6 | 46.8 | 45.8 | 45.1 | 44 | 43.2 | 41 | 39.6 | 38.3 | 104 |
| 108 | 46.7 | 45.3 | 44.5 | 43.5 | 43.7 | 42.6 | 41.8 | 40.9 | 40.1 | 37.9 | 36.2 | 34.7 | 108 |
| 112 | 43.8 | 42.2 | 41.6 | 40.5 | 40.7 | 39.7 | 38.9 | 37.8 | 37.2 | 35.1 | 32.8 | 30.4 | 112 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.





Unit: t

## Load Chart of HJFJDB_4 Congfiguration

### SCC6500A Crawler Crane - Load Chart of HJFJDB_4 Congfiguration 3/3

The main boom length ranges 114 - 144m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 20°, the overload lifting radius is 19m, overload lifting counterweight is 310t, the rear counterweight is 210t, the center counterweight is 60t

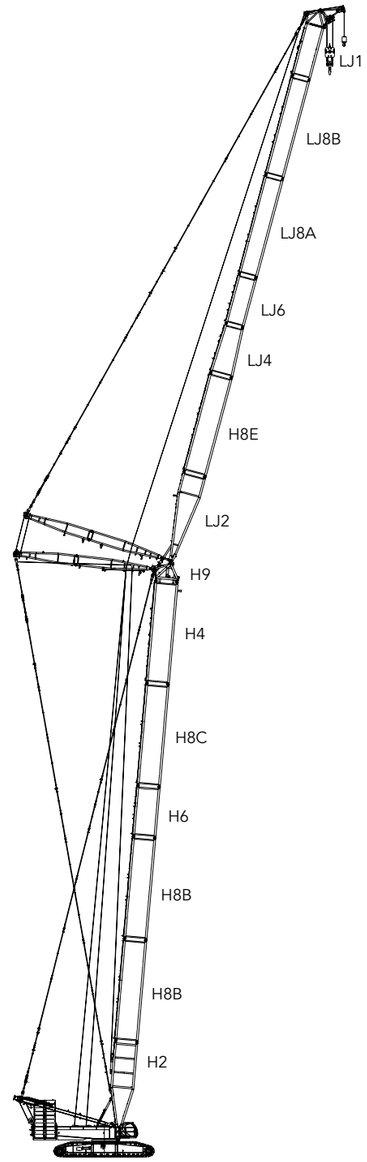
| Radius (m) | 114 | 117 | 120 | 123 | 126 | 129 | 132 | 135 | 138 | 141 | 144 | 147 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | 142 | | | | | | | | | | | | 17 |
| 18 | 129* | 130* | 130* | 130* | | | | | | | | | 18 |
| 19 | 127* | 127* | 128* | 128* | 127* | 125* | 120* | 115* | | | | | 19 |
| 20 | 125* | 125* | 126* | 126* | 127* | 125* | 120* | 115* | 110* | 105* | 99.2* | 94.7* | 20 |
| 22 | 121* | 121* | 122* | 123* | 123* | 124* | 120* | 115* | 110* | 105* | 98.7* | 94.2* | 22 |
| 24 | 117* | 118* | 118* | 119* | 120* | 120* | 120* | 114* | 110* | 105* | 98.7* | 94.2* | 24 |
| 26 | 114* | 114* | 115* | 116* | 116* | 117* | 117* | 114* | 109* | 104* | 98.7* | 94.2* | 26 |
| 28 | 110* | 111* | 112* | 113* | 113* | 114* | 114* | 114* | 109* | 104* | 98.2* | 93.7* | 28 |
| 30 | 107* | 108* | 109* | 110* | 110* | 111* | 111* | 112* | 108* | 104* | 98.2* | 93.3* | 30 |
| 32 | 104* | 105* | 105* | 107* | 107* | 108* | 108* | 109* | 107* | 103* | 97.5* | 93.1* | 32 |
| 34 | 100.0* | 101* | 101* | 103* | 103* | 105* | 104* | 106* | 105* | 102* | 96.4* | 92.3* | 34 |
| 36 | 96.6* | 97.6* | 97.1* | 99.1* | 99.2* | 100.0* | 101* | 101* | 101* | 98.8* | 95.3* | 90.8* | 36 |
| 38 | 93.2* | 94.2* | 94.2* | 95.6* | 95.8* | 96.8* | 97.6* | 98.0* | 97.8* | 97.0* | 94.2* | 90.5* | 38 |
| 40 | 89.7* | 90.7* | 91.1* | 92.1* | 92.6* | 93.6* | 94.1* | 95.1* | 94.6* | 94.0* | 93.0* | 89.2* | 40 |
| 44 | 85.8* | 86.7* | 87.5* | 88.2* | 89.0* | 89.7* | 90.5* | 91.1* | 91.1* | 92.1* | 91.1* | 87.2* | 44 |
| 48 | 81.8* | 83.1* | 83.9* | 84.6* | 85.4* | 86.0* | 86.8* | 87.5* | 88.0* | 88.8* | 89.2* | 85.4* | 48 |
| 52 | 78.9* | 79.9* | 80.4* | 81.3* | 81.8* | 82.8* | 83.3 | 84.3 | 84.8 | 85.3 | 86.2 | 83.8 | 52 |
| 56 | 76.2* | 76.9 | 77.7 | 78.4 | 79.2 | 79.9 | 80.4 | 81.3 | 82 | 82.5 | 83.2 | 82.1 | 56 |
| 60 | 73.6 | 74.3 | 75.1 | 75.8 | 76.5 | 77.1 | 77.9 | 78.5 | 80.4 | 79.5 | 80.5 | 80 | 60 |
| 64 | 71.1 | 71.5 | 72.5 | 73 | 74 | 74.5 | 75.6 | 76 | 79.2 | 76.9 | 77.9 | 78.4 | 64 |
| 68 | 68.8 | 69.6 | 70.2 | 71.1 | 71.6 | 72.1 | 73.1 | 73.6 | 77.5 | 74.6 | 75.6 | 75.8 | 68 |
| 72 | 66.6 | 67.6 | 68.1 | 69.1 | 69.6 | 70.1 | 70.9 | 71.5 | 75.4 | 72.5 | 72.3 | 73.5 | 72 |
| 76 | 64.7 | 65.7 | 66.2 | 67.1 | 67.6 | 68.1 | 68.6 | 69.6 | 72.1 | 69.6 | 69.5 | 69.6 | 76 |
| 80 | 63 | 64 | 64.5 | 65.2 | 65.7 | 66.4 | 65.9 | 66.6 | 68.1 | 66.2 | 65.4 | 64.8 | 80 |
| 84 | 61.5 | 62.3 | 62.8 | 63.5 | 63 | 63.7 | 63.7 | 63.7 | 64.5 | 62.9 | 61.7 | 59.8 | 84 |
| 88 | 60.3 | 60.8 | 60.3 | 60.5 | 60.7 | 60.6 | 60.3 | 59.9 | 59.3 | 57.8 | 56.8 | 54.9 | 88 |
| 92 | 57.9 | 58.1 | 57.9 | 58.1 | 57.1 | 57.2 | 56.5 | 55.5 | 54.7 | 53.2 | 52.1 | 50.6 | 92 |
| 96 | 55.8 | 55.8 | 55.1 | 54 | 53.1 | 53.2 | 52.4 | 51.5 | 50.1 | 48.9 | 47.5 | 46.4 | 96 |
| 100 | 53.1 | 52 | 51.4 | 50.3 | 49.5 | 49.5 | 48.7 | 47.7 | 46.2 | 44.7 | 43.6 | 42.2 | 100 |
| 104 | 49.6 | 48.6 | 47.9 | 46.8 | 46.1 | 46 | 45.3 | 44.2 | 42.3 | 40.9 | 39.8 | 38.4 | 104 |
| 108 | 46.4 | 45.4 | 44.7 | 43.6 | 42.9 | 42.8 | 42 | 41.1 | 38.7 | 37.4 | 36.4 | 34.9 | 108 |
| 112 | 43.4 | 42.3 | 41.7 | 40.6 | 40 | 39.8 | 39.1 | 38 | 35.6 | 34.1 | 33 | 31.6 | 112 |

Notes:
1. The rated capacity listed in the table includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
2. The rated load of the main hook when there's extension jip is the value in the load table deducting 1t as the weight of extension jib.
3. Data marked with * in the table means that the superlift counterweight cannot lift above the ground under this condition.

## LJ Boom Combination

| LJ Boom Combination | | | |
|---|---|---|---|
| Boom length (m) | Boom insert | Jib insert | |
| | 12m | 6m | 12m |
| 24 | — | — | — |
| 30 | — | 1 | — |
| 36 | 1 | — | — |
| 42 | 1 | 1 | — |
| 48 | 1 | 2 | — |
| 54 | 1 | 1 | 1 |
| 60 | 1 | 2 | 1 |
| 66 | 1 | 1 | 2 |
| 72 | 1 | 2 | 2 |
| 78 | 1 | 1 | 3 |
| 84 | 1 | 2 | 3 |
| 90* | 1 | 1 | 4 |
| 96* | 1 | 2 | 4 |

Notes: configuration of main boom and working condition of main boom are consistent to each other.
In the jib configuration: jib base, 6m tapered section and jib upper boom are must.
* indicates the mid-point suspension cable must be adopted for the boom, otherwise, there is danger of boom breaking.

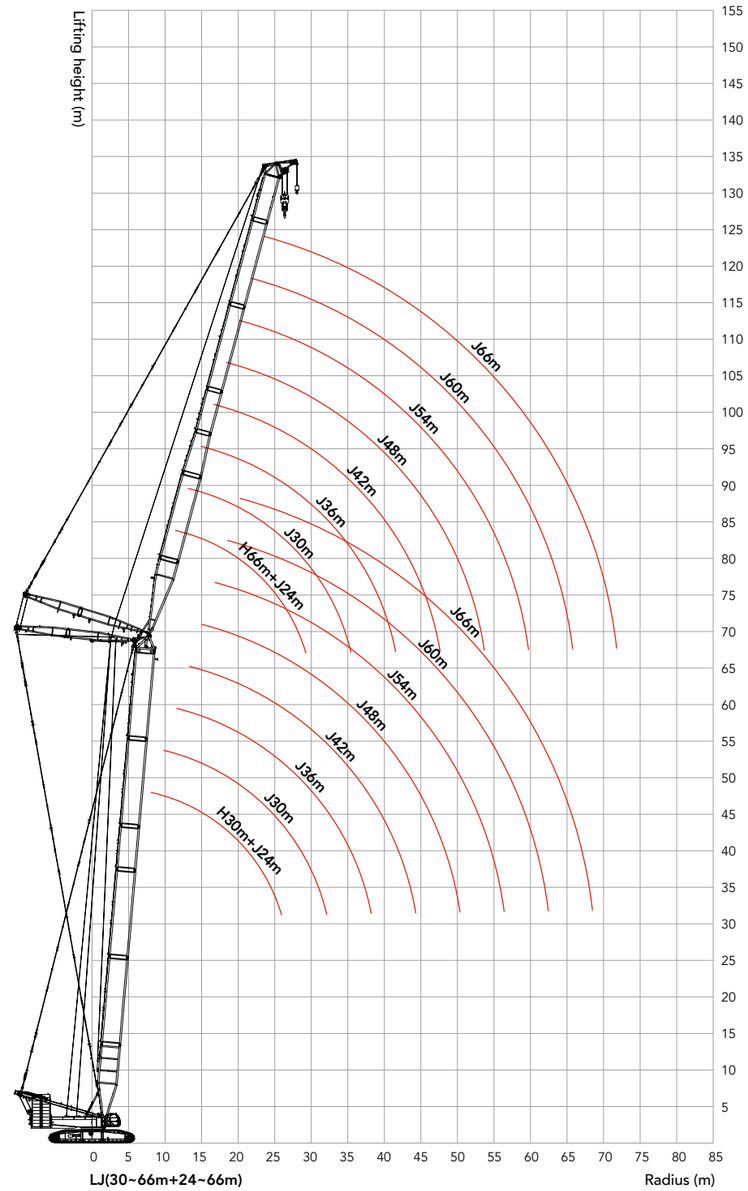



LJ(30~66m+24~66m)





## LJ Work Radius




LJ(30~66m+24~66m)

Unit: t

## Load Chart of LJ Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJ Congfiguration 1/7

Main boom 30m, main boom angle 85° , jib length 24-96m, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 270 | | | | | | | | | | | | | 13 |
| 14 | 250 | 240 | | | | | | | | | | | | 14 |
| 15 | 233 | 224 | | | | | | | | | | | | 15 |
| 16 | 219 | 210 | 202 | | | | | | | | | | | 16 |
| 17 | 206 | 198 | 190 | | | | | | | | | | | 17 |
| 18 | 194 | 187 | 180 | 173 | | | | | | | | | | 18 |
| 19 | 183 | 177 | 171 | 164 | 159 | | | | | | | | | 19 |
| 20 | 174 | 168 | 162 | 156 | 151 | | | | | | | | | 20 |
| 22 | 158 | 152 | 147 | 142 | 137 | 133 | 128 | | | | | | | 22 |
| 24 | 144 | 139 | 134 | 130 | 125 | 122 | 118 | 114 | | | | | | 24 |
| 26 | 131 | 128 | 124 | 119 | 115 | 112 | 108 | 105 | 102 | | | | | 26 |
| 28 | 119 | 119 | 114 | 110 | 107 | 104 | 100 | 97.5 | 94.3 | 91.7 | 88.5 | | | 28 |
| 30 | | 109 | 106 | 102 | 99.1 | 96.2 | 93 | 90.6 | 87.5 | 85.1 | 82.1 | 79.8 | | 30 |
| 32 | | 99.8 | 98.9 | 95.6 | 92.4 | 89.7 | 86.7 | 84.4 | 81.5 | 79.2 | 76.4 | 74.2 | 71.5 | 32 |
| 34 | | 91.9 | 91.3 | 89.5 | 86.4 | 83.9 | 81 | 78.9 | 76.1 | 74 | 71.3 | 69.2 | 66.6 | 34 |
| 36 | | | 84.7 | 83.5 | 81.1 | 78.7 | 76 | 73.9 | 71.3 | 69.3 | 66.7 | 64.7 | 62.2 | 36 |
| 38 | | | 78.7 | 77.6 | 76.3 | 74 | 71.4 | 69.5 | 66.9 | 65 | 62.5 | 60.6 | 58.2 | 38 |
| 40 | | | | 72.4 | 71.4 | 69.7 | 67.2 | 65.4 | 62.9 | 61.1 | 58.7 | 56.9 | 54.5 | 40 |
| 44 | | | | 63.5 | 62.6 | 61.9 | 59.9 | 58.2 | 55.9 | 54.2 | 52 | 50.3 | 48.1 | 44 |
| 48 | | | | | 55.3 | 54.7 | 53.6 | 52.2 | 50 | 48.4 | 46.3 | 44.7 | 42.6 | 48 |
| 52 | | | | | | 48.6 | 47.6 | 47 | 44.9 | 43.4 | 41.4 | 39.9 | 37.8 | 52 |
| 56 | | | | | | 43.3 | 42.4 | 41.9 | 40.5 | 39.1 | 37.1 | 35.7 | 33.7 | 56 |
| 60 | | | | | | | 37.9 | 37.5 | 36.4 | 35.3 | 33.4 | 32 | 30.1 | 60 |
| 64 | | | | | | | | 33.6 | 32.6 | 31.9 | 30.1 | 28.7 | 26.8 | 64 |
| 68 | | | | | | | | 30.2 | 29.2 | 28.6 | 27.1 | 25.8 | 24 | 68 |
| 72 | | | | | | | | | 26.1 | 25.6 | 24.5 | 23.2 | 21.4 | 72 |
| 76 | | | | | | | | | | 22.9 | 21.8 | 20.8 | 19 | 76 |
| 80 | | | | | | | | | | 20.4 | 19.4 | 18.6 | 16.9 | 80 |
| 84 | | | | | | | | | | | 17.2 | 16.6 | 15 | 84 |
| 88 | | | | | | | | | | | | 14.6 | 13.2 | 88 |
| 92 | | | | | | | | | | | | 12.7 | 11.6 | 92 |
| 96 | | | | | | | | | | | | | 10 | 96 |





Unit: t

## Load Chart of LJ Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJ Congfiguration 2/7

Main boom 36m, main boom angle 85° , jib length 24-96m, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 257 | | | | | | | | | | | | | 13 |
| 14 | 239 | | | | | | | | | | | | | 14 |
| 15 | 223 | 214 | | | | | | | | | | | | 15 |
| 16 | 209 | 201 | 194 | | | | | | | | | | | 16 |
| 17 | 197 | 190 | 183 | | | | | | | | | | | 17 |
| 18 | 186 | 179 | 173 | 166 | | | | | | | | | | 18 |
| 19 | 176 | 170 | 164 | 158 | | | | | | | | | | 19 |
| 20 | 168 | 162 | 156 | 150 | 145 | | | | | | | | | 20 |
| 22 | 152 | 147 | 142 | 137 | 132 | 128 | | | | | | | | 22 |
| 24 | 139 | 134 | 130 | 125 | 121 | 117 | 113 | 110 | | | | | | 24 |
| 26 | 128 | 124 | 120 | 115 | 111 | 108 | 105 | 102 | 98.2 | | | | | 26 |
| 28 | 118 | 115 | 111 | 107 | 103 | 100 | 96.7 | 94.1 | 90.9 | 88.3 | | | | 28 |
| 30 | | 107 | 103 | 99.2 | 95.8 | 93 | 89.9 | 87.5 | 84.4 | 82 | 79.1 | 76.8 | | 30 |
| 32 | | 99.3 | 96.2 | 92.6 | 89.4 | 86.8 | 83.8 | 81.5 | 78.7 | 76.4 | 73.6 | 71.4 | 68.7 | 32 |
| 34 | | 91.5 | 90.2 | 86.7 | 83.7 | 81.2 | 78.4 | 76.2 | 73.5 | 71.4 | 68.7 | 66.6 | 64 | 34 |
| 36 | | | 84.2 | 81.4 | 78.5 | 76.2 | 73.5 | 71.5 | 68.8 | 66.8 | 64.3 | 62.3 | 59.8 | 36 |
| 38 | | | 78.3 | 76.7 | 73.9 | 71.7 | 69 | 67.1 | 64.6 | 62.7 | 60.2 | 58.3 | 55.9 | 38 |
| 40 | | | 73 | 72 | 69.7 | 67.6 | 65 | 63.2 | 60.8 | 58.9 | 56.6 | 54.7 | 52.4 | 40 |
| 44 | | | | 63.1 | 62.2 | 60.4 | 58 | 56.3 | 54 | 52.3 | 50.1 | 48.4 | 46.2 | 44 |
| 48 | | | | | 54.9 | 54.3 | 52.1 | 50.5 | 48.3 | 46.7 | 44.6 | 43 | 40.9 | 48 |
| 52 | | | | | | 48.3 | 47 | 45.5 | 43.4 | 41.9 | 39.8 | 38.3 | 36.3 | 52 |
| 56 | | | | | | 43 | 42.1 | 41.2 | 39.1 | 37.7 | 35.7 | 34.2 | 32.3 | 56 |
| 60 | | | | | | | 37.6 | 37.2 | 35.4 | 34 | 32 | 30.6 | 28.7 | 60 |
| 64 | | | | | | | | 33.4 | 32.1 | 30.7 | 28.8 | 27.5 | 25.6 | 64 |
| 68 | | | | | | | | 29.9 | 28.9 | 27.8 | 26 | 24.6 | 22.8 | 68 |
| 72 | | | | | | | | | 25.9 | 25.2 | 23.4 | 22.1 | 20.3 | 72 |
| 76 | | | | | | | | | | 22.7 | 21.1 | 19.8 | 18 | 76 |
| 80 | | | | | | | | | | 20.2 | 18.9 | 17.7 | 16 | 80 |
| 84 | | | | | | | | | | | 17 | 15.8 | 14.1 | 84 |
| 88 | | | | | | | | | | | | 14.1 | 12.3 | 88 |
| 92 | | | | | | | | | | | | 12.5 | 10.8 | 92 |
| 96 | | | | | | | | | | | | | 9.3 | 96 |

Unit: t

## Load Chart of LJ Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJ Congfiguration 3/7

Main boom 42m, main boom angle 85° , jib length 24-96m, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 228 | | | | | | | | | | | | | 14 |
| 15 | 213 | 205 | | | | | | | | | | | | 15 |
| 16 | 200 | 193 | | | | | | | | | | | | 16 |
| 17 | 189 | 182 | 175 | | | | | | | | | | | 17 |
| 18 | 179 | 172 | 166 | | | | | | | | | | | 18 |
| 19 | 169 | 163 | 158 | 152 | | | | | | | | | | 19 |
| 20 | 161 | 155 | 150 | 144 | 139 | | | | | | | | | 20 |
| 22 | 147 | 142 | 137 | 131 | 127 | 123 | | | | | | | | 22 |
| 24 | 134 | 130 | 125 | 121 | 116 | 113 | 109 | | | | | | | 24 |
| 26 | 124 | 120 | 115 | 111 | 107 | 104 | 101 | 97.9 | 94.5 | | | | | 26 |
| 28 | 115 | 111 | 107 | 103 | 99.5 | 96.5 | 93.2 | 90.7 | 87.5 | 84.9 | | | | 28 |
| 30 | | 103 | 99.6 | 95.8 | 92.5 | 89.8 | 86.7 | 84.3 | 81.3 | 78.9 | 76 | | | 30 |
| 32 | | 96.7 | 93.1 | 89.5 | 86.4 | 83.8 | 80.8 | 78.6 | 75.7 | 73.5 | 70.8 | 68.6 | | 32 |
| 34 | | 90.9 | 87.3 | 83.8 | 80.9 | 78.4 | 75.6 | 73.5 | 70.8 | 68.7 | 66.1 | 64 | 61.4 | 34 |
| 36 | | | 82.2 | 78.8 | 75.9 | 73.6 | 70.9 | 68.9 | 66.3 | 64.3 | 61.8 | 59.8 | 57.3 | 36 |
| 38 | | | 77.5 | 74.2 | 71.5 | 69.3 | 66.7 | 64.8 | 62.3 | 60.4 | 57.9 | 56 | 53.6 | 38 |
| 40 | | | 72.5 | 70.1 | 67.4 | 65.3 | 62.8 | 61 | 58.6 | 56.7 | 54.4 | 52.5 | 50.2 | 40 |
| 44 | | | | 62.6 | 60.4 | 58.4 | 56 | 54.4 | 52 | 50.4 | 48.1 | 46.4 | 44.2 | 44 |
| 48 | | | | | 54.4 | 52.5 | 50.3 | 48.7 | 46.5 | 44.9 | 42.8 | 41.2 | 39.1 | 48 |
| 52 | | | | | 48.3 | 47.5 | 45.3 | 43.9 | 41.8 | 40.3 | 38.2 | 36.7 | 34.7 | 52 |
| 56 | | | | | | 42.7 | 41.1 | 39.7 | 37.6 | 36.2 | 34.2 | 32.7 | 30.8 | 56 |
| 60 | | | | | | | 37.3 | 36 | 34 | 32.6 | 30.7 | 29.3 | 27.4 | 60 |
| 64 | | | | | | | 33.3 | 32.7 | 30.8 | 29.5 | 27.6 | 26.2 | 24.3 | 64 |
| 68 | | | | | | | | 29.6 | 27.9 | 26.6 | 24.8 | 23.4 | 21.6 | 68 |
| 72 | | | | | | | | | 25.4 | 24.1 | 22.3 | 21 | 19.2 | 72 |
| 76 | | | | | | | | | | 21.8 | 20 | 18.7 | 17 | 76 |
| 80 | | | | | | | | | | 19.7 | 17.9 | 16.7 | 15 | 80 |
| 84 | | | | | | | | | | | 16.1 | 14.8 | 13.1 | 84 |
| 88 | | | | | | | | | | | | 13.1 | 11.4 | 88 |
| 92 | | | | | | | | | | | | 11.6 | 9.9 | 92 |
| 96 | | | | | | | | | | | | | 8.5 | 96 |





Unit: t

## Load Chart of LJ Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJ Congfiguration 4/7

Main boom 48m, main boom angle 85° , jib length 24-96m, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 217 | | | | | | | | | | | | | 14 |
| 15 | 204 | | | | | | | | | | | | | 15 |
| 16 | 192 | 185 | | | | | | | | | | | | 16 |
| 17 | 181 | 174 | | | | | | | | | | | | 17 |
| 18 | 171 | 165 | 159 | | | | | | | | | | | 18 |
| 19 | 163 | 157 | 151 | 146 | | | | | | | | | | 19 |
| 20 | 155 | 149 | 144 | 139 | | | | | | | | | | 20 |
| 22 | 141 | 136 | 131 | 126 | 122 | 118 | | | | | | | | 22 |
| 24 | 130 | 125 | 121 | 116 | 112 | 109 | 105 | | | | | | | 24 |
| 26 | 120 | 116 | 111 | 107 | 103 | 100 | 96.9 | 94.1 | | | | | | 26 |
| 28 | 111 | 107 | 103 | 99.4 | 95.9 | 93 | 89.8 | 87.2 | 84.1 | 81.6 | | | | 28 |
| 30 | | 99.9 | 96.3 | 92.5 | 89.3 | 86.6 | 83.5 | 81.2 | 78.2 | 75.8 | 73 | | | 30 |
| 32 | | 93.5 | 90 | 86.5 | 83.4 | 80.8 | 77.9 | 75.7 | 72.9 | 70.7 | 67.9 | 65.8 | | 32 |
| 34 | | 87.9 | 84.5 | 81 | 78.1 | 75.7 | 72.9 | 70.8 | 68.1 | 66.1 | 63.4 | 61.4 | 58.8 | 34 |
| 36 | | | 79.5 | 76.2 | 73.4 | 71.1 | 68.4 | 66.4 | 63.8 | 61.9 | 59.3 | 57.4 | 54.9 | 36 |
| 38 | | | 75 | 71.8 | 69.1 | 66.9 | 64.3 | 62.4 | 59.9 | 58 | 55.6 | 53.7 | 51.3 | 38 |
| 40 | | | 71 | 67.8 | 65.2 | 63.1 | 60.6 | 58.8 | 56.3 | 54.5 | 52.2 | 50.4 | 48 | 40 |
| 44 | | | | 60.9 | 58.4 | 56.4 | 54 | 52.4 | 50.1 | 48.4 | 46.2 | 44.5 | 42.3 | 44 |
| 48 | | | | | 52.6 | 50.7 | 48.5 | 46.9 | 44.7 | 43.2 | 41 | 39.4 | 37.3 | 48 |
| 52 | | | | | 47.7 | 45.9 | 43.7 | 42.3 | 40.1 | 38.6 | 36.6 | 35.1 | 33 | 52 |
| 56 | | | | | | 41.7 | 39.6 | 38.2 | 36.1 | 34.7 | 32.7 | 31.3 | 29.3 | 56 |
| 60 | | | | | | | 35.9 | 34.6 | 32.6 | 31.2 | 29.3 | 27.9 | 26 | 60 |
| 64 | | | | | | | 32.8 | 31.4 | 29.5 | 28.2 | 26.3 | 24.9 | 23 | 64 |
| 68 | | | | | | | | 28.6 | 26.7 | 25.4 | 23.6 | 22.2 | 20.4 | 68 |
| 72 | | | | | | | | | 24.2 | 23 | 21.1 | 19.8 | 18 | 72 |
| 76 | | | | | | | | | 22 | 20.7 | 18.9 | 17.7 | 15.9 | 76 |
| 80 | | | | | | | | | | 18.7 | 16.9 | 15.7 | 13.9 | 80 |
| 84 | | | | | | | | | | | 15.1 | 13.9 | 12.1 | 84 |
| 88 | | | | | | | | | | | | 12.2 | 10.5 | 88 |
| 92 | | | | | | | | | | | | 10.7 | 9 | 92 |
| 96 | | | | | | | | | | | | | 7.6 | 96 |

Unit: t

## Load Chart of LJ Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJ Congfiguration 5/7

Main boom 54m, main boom angle 85° , jib length 24-96m, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 194 | | | | | | | | | | | | | 15 |
| 16 | 183 | | | | | | | | | | | | | 16 |
| 17 | 173 | 167 | | | | | | | | | | | | 17 |
| 18 | 164 | 158 | 152 | | | | | | | | | | | 18 |
| 19 | 156 | 151 | 145 | | | | | | | | | | | 19 |
| 20 | 149 | 143 | 138 | 133 | | | | | | | | | | 20 |
| 22 | 136 | 131 | 126 | 121 | 117 | | | | | | | | | 22 |
| 24 | 125 | 120 | 116 | 112 | 108 | 104 | 101 | | | | | | | 24 |
| 26 | 115 | 111 | 107 | 103 | 99.5 | 96.4 | 93 | 90.3 | | | | | | 26 |
| 28 | 107 | 103 | 99.6 | 95.7 | 92.3 | 89.4 | 86.2 | 83.7 | 80.6 | | | | | 28 |
| 30 | 100 | 96.4 | 92.8 | 89.1 | 85.9 | 83.3 | 80.2 | 77.9 | 74.9 | 72.7 | 69.8 | | | 30 |
| 32 | | 90.3 | 86.9 | 83.3 | 80.3 | 77.8 | 74.9 | 72.7 | 69.9 | 67.7 | 65 | 62.9 | | 32 |
| 34 | | 84.8 | 81.5 | 78.1 | 75.2 | 72.8 | 70.1 | 68 | 65.3 | 63.3 | 60.7 | 58.6 | 56.1 | 34 |
| 36 | | 80.1 | 76.7 | 73.5 | 70.7 | 68.4 | 65.7 | 63.8 | 61.2 | 59.3 | 56.7 | 54.8 | 52.3 | 36 |
| 38 | | | 72.4 | 69.2 | 66.5 | 64.4 | 61.8 | 60 | 57.5 | 55.6 | 53.2 | 51.3 | 48.9 | 38 |
| 40 | | | 68.5 | 65.4 | 62.8 | 60.7 | 58.2 | 56.5 | 54 | 52.3 | 49.9 | 48.1 | 45.8 | 40 |
| 44 | | | | 58.7 | 56.2 | 54.3 | 51.9 | 50.3 | 48 | 46.3 | 44.1 | 42.4 | 40.2 | 44 |
| 48 | | | | | 50.7 | 48.8 | 46.6 | 45.1 | 42.9 | 41.3 | 39.2 | 37.6 | 35.5 | 48 |
| 52 | | | | | 46 | 44.1 | 42 | 40.5 | 38.4 | 36.9 | 34.9 | 33.4 | 31.3 | 52 |
| 56 | | | | | | 40.1 | 38 | 36.6 | 34.6 | 33.1 | 31.1 | 29.7 | 27.7 | 56 |
| 60 | | | | | | | 34.5 | 33.1 | 31.1 | 29.8 | 27.8 | 26.4 | 24.5 | 60 |
| 64 | | | | | | | 31.4 | 30.1 | 28.1 | 26.8 | 24.9 | 23.5 | 21.7 | 64 |
| 68 | | | | | | | | 27.4 | 25.4 | 24.1 | 22.3 | 21 | 19.1 | 68 |
| 72 | | | | | | | | | 23 | 21.8 | 19.9 | 18.6 | 16.8 | 72 |
| 76 | | | | | | | | | 20.8 | 19.6 | 17.8 | 16.5 | 14.7 | 76 |
| 80 | | | | | | | | | | 17.6 | 15.8 | 14.6 | 12.8 | 80 |
| 84 | | | | | | | | | | | 14.1 | 12.8 | 11.1 | 84 |
| 88 | | | | | | | | | | | 12.5 | 11.2 | 9.5 | 88 |
| 92 | | | | | | | | | | | | 9.8 | 8.1 | 92 |
| 96 | | | | | | | | | | | | | 6.7 | 96 |





Unit: t

## Load Chart of LJ Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJ Congfiguration 6/7

Main boom 60m, main boom angle 85° , jib length 24-96m, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 185 | | | | | | | | | | | | | 15 |
| 16 | 175 | | | | | | | | | | | | | 16 |
| 17 | 166 | 159 | | | | | | | | | | | | 17 |
| 18 | 157 | 151 | | | | | | | | | | | | 18 |
| 19 | 149 | 144 | 139 | | | | | | | | | | | 19 |
| 20 | 142 | 137 | 132 | 127 | | | | | | | | | | 20 |
| 22 | 130 | 126 | 121 | 116 | 112 | | | | | | | | | 22 |
| 24 | 120 | 116 | 111 | 107 | 103 | 100 | | | | | | | | 24 |
| 26 | 111 | 107 | 103 | 99 | 95.4 | 92.4 | 89 | 86.4 | | | | | | 26 |
| 28 | 103 | 99.4 | 95.8 | 91.9 | 88.6 | 85.8 | 82.6 | 80.1 | 77.1 | | | | | 28 |
| 30 | 96.3 | 92.8 | 89.3 | 85.7 | 82.5 | 79.9 | 76.9 | 74.6 | 71.7 | 69.4 | | | | 30 |
| 32 | | 86.9 | 83.6 | 80.1 | 77.1 | 74.6 | 71.8 | 69.6 | 66.8 | 64.7 | 62 | | | 32 |
| 34 | | 81.7 | 78.5 | 75.1 | 72.3 | 69.9 | 67.2 | 65.2 | 62.5 | 60.5 | 57.9 | 55.8 | 53.3 | 34 |
| 36 | | 77.1 | 73.9 | 70.7 | 67.9 | 65.7 | 63 | 61.1 | 58.5 | 56.6 | 54.1 | 52.2 | 49.7 | 36 |
| 38 | | | 69.8 | 66.6 | 64 | 61.8 | 59.3 | 57.5 | 54.9 | 53.1 | 50.7 | 48.8 | 46.4 | 38 |
| 40 | | | 66 | 62.9 | 60.4 | 58.3 | 55.8 | 54.1 | 51.7 | 49.9 | 47.5 | 45.7 | 43.4 | 40 |
| 44 | | | | 56.5 | 54.1 | 52.1 | 49.8 | 48.2 | 45.9 | 44.2 | 42 | 40.3 | 38.1 | 44 |
| 48 | | | | 51.1 | 48.7 | 46.9 | 44.6 | 43.1 | 40.9 | 39.4 | 37.2 | 35.6 | 33.5 | 48 |
| 52 | | | | | 44.1 | 42.4 | 40.2 | 38.8 | 36.7 | 35.2 | 33.1 | 31.6 | 29.6 | 52 |
| 56 | | | | | | 38.4 | 36.3 | 35 | 32.9 | 31.5 | 29.5 | 28 | 26.1 | 56 |
| 60 | | | | | | | 32.9 | 31.6 | 29.6 | 28.3 | 26.3 | 24.9 | 23 | 60 |
| 64 | | | | | | | 29.9 | 28.7 | 26.7 | 25.4 | 23.5 | 22.1 | 20.2 | 64 |
| 68 | | | | | | | | 26 | 24.1 | 22.8 | 20.9 | 19.6 | 17.8 | 68 |
| 72 | | | | | | | | | 21.7 | 20.5 | 18.7 | 17.4 | 15.6 | 72 |
| 76 | | | | | | | | | 19.6 | 18.4 | 16.6 | 15.3 | 13.5 | 76 |
| 80 | | | | | | | | | | 16.5 | 14.7 | 13.5 | 11.7 | 80 |
| 84 | | | | | | | | | | | 13 | 11.8 | 10 | 84 |
| 88 | | | | | | | | | | | 11.4 | 10.2 | 8.5 | 88 |
| 92 | | | | | | | | | | | | 8.8 | 7.1 | 92 |
| 96 | | | | | | | | | | | | | 5.7 | 96 |

Unit: t

## Load Chart of LJ Congfiguration

**SCC6500A Crawler Crane - Load Chart of LJ Congfiguration 7/7**

Main boom 66m, main boom angle 85° , jib length 24-66m, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|
| 16 | 167 | | | | | | | | 16 |
| 17 | 158 | | | | | | | | 17 |
| 18 | 150 | 145 | | | | | | | 18 |
| 19 | 143 | 138 | 133 | | | | | | 19 |
| 20 | 137 | 132 | 127 | | | | | | 20 |
| 22 | 125 | 121 | 116 | 112 | 108 | | | | 22 |
| 24 | 115 | 111 | 107 | 103 | 99 | 95.8 | | | 24 |
| 26 | 107 | 103 | 99.1 | 95.1 | 91.6 | 88.6 | 85.3 | | 26 |
| 28 | 99.3 | 95.7 | 92.2 | 88.4 | 85.1 | 82.3 | 79.1 | 76.8 | 28 |
| 30 | 92.8 | 89.4 | 86 | 82.4 | 79.3 | 76.7 | 73.7 | 71.5 | 30 |
| 32 | | 83.8 | 80.6 | 77.1 | 74.1 | 71.7 | 68.8 | 66.7 | 32 |
| 34 | | 78.8 | 75.7 | 72.3 | 69.5 | 67.2 | 64.4 | 62.5 | 34 |
| 36 | | 74.3 | 71.2 | 68 | 65.3 | 63.1 | 60.5 | 58.6 | 36 |
| 38 | | | 67.3 | 64.1 | 61.5 | 59.4 | 56.8 | 55 | 38 |
| 40 | | | 63.6 | 60.6 | 58.1 | 56 | 53.6 | 51.8 | 40 |
| 44 | | | | 54.4 | 52 | 50.1 | 47.7 | 46.1 | 44 |
| 48 | | | | 49.2 | 46.8 | 45 | 42.8 | 41.3 | 48 |
| 52 | | | | | 42.4 | 40.6 | 38.5 | 37.1 | 52 |
| 56 | | | | | | 36.8 | 34.8 | 33.4 | 56 |
| 60 | | | | | | 33.5 | 31.5 | 30.2 | 60 |
| 64 | | | | | | | 28.6 | 27.3 | 64 |
| 68 | | | | | | | | 24.7 | 68 |



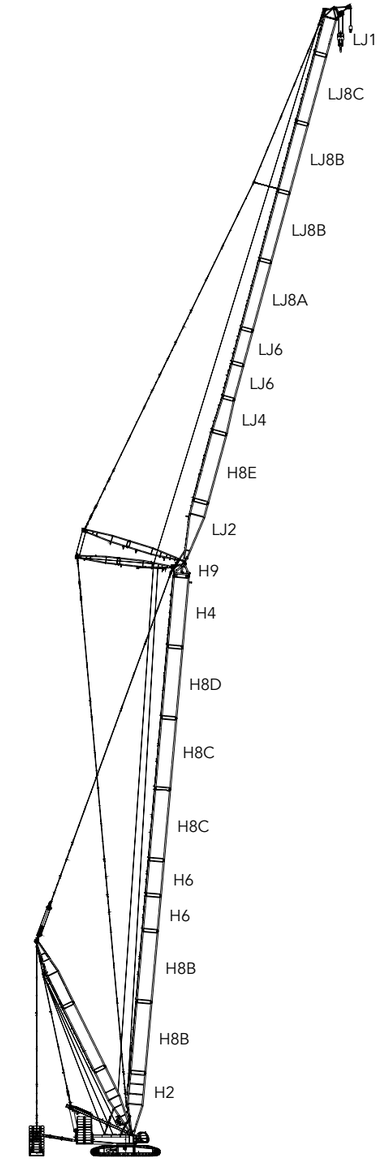


## LJDB Boom Combination

**LJDB Boom Combination**

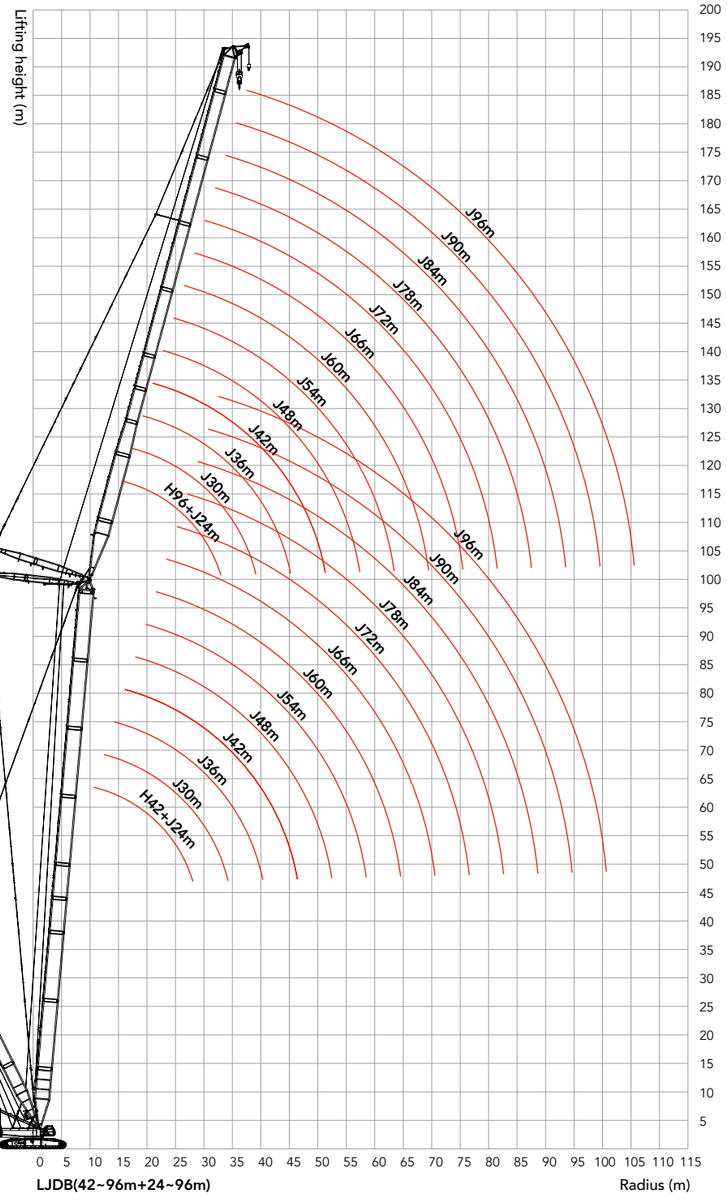
| Boom length (m) | Boom insert | Jib insert | |
|---|---|---|---|
| | 12m | 6m | 12m |
| 24 | — | — | — |
| 30 | — | 1 | — |
| 36 | 1 | — | — |
| 42 | 1 | — | — |
| 48 | 1 | — | 1 |
| 54 | 1 | 1 | — |
| 60 | 1 | 1 | 1 |
| 66 | 1 | 2 | — |
| 72 | 1 | 2 | 1 |
| 78 | 1 | 3 | 1 |
| 84 | 1 | 3 | 2 |
| 90* | 1 | 4 | 1 |
| 96* | 1 | 4 | 2 |

Notes: configuration of main boom and working condition of main boom are consistent to each other.
In the jib configuration: jib base, 6m tapered section and jib top are must.
* indicates the mid-point suspension cable must be adopted for the boom, otherwise, there is danger of boom breaking.




**LJDB(42~96m+24~96m)**

## LJDB Work Radius








Unit: t

## Load Chart of LJDB Congfiguration

**SCC6500A Crawler Crane - Load Chart of LJDB Congfiguration 1/10**

Main boom 42m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 310t, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 350* | | | | | | | | | | | | | 14 |
| 16 | 350* | 350* | | | | | | | | | | | | 16 |
| 18 | 330* | 330* | 292* | | | | | | | | | | | 18 |
| 20 | 321 | 321 | 283* | 260* | 220* | | | | | | | | | 20 |
| 22 | 306 | 303 | 273* | 245* | 210* | 180* | | | | | | | | 22 |
| 24 | 267 | 273 | 258* | 235* | 205* | 178* | 151* | | | | | | | 24 |
| 26 | 226* | 243 | 240 | 227* | 200* | 173* | 148* | 128* | 110* | | | | | 26 |
| 28 | 189* | 218* | 218* | 215* | 195* | 168* | 146* | 125* | 108* | 91.6* | | | | 28 |
| 30 | | 191* | 199* | 200 | 188* | 162* | 144* | 124* | 106* | 90.4* | 77.5* | | | 30 |
| 32 | | 165* | 180* | 181* | 180* | 157* | 142* | 123* | 105* | 88.2* | 76.6* | 65.4* | | 32 |
| 34 | | 141* | 165* | 166* | 166* | 151* | 141* | 121* | 104* | 86.2* | 75.5* | 64.2* | 53.5* | 34 |
| 36 | | | 155* | 153* | 152* | 145* | 138* | 119* | 103* | 85.1* | 74.2* | 63.3* | 52.5* | 36 |
| 38 | | | 143* | 142* | 141* | 136* | 135* | 117* | 102* | 83.8* | 73.3* | 62.1* | 51.2* | 38 |
| 40 | | | 126* | 133* | 131* | 131* | 129* | 115* | 101* | 82.7* | 72.1* | 61.4* | 50.1* | 40 |
| 44 | | | | 115* | 116* | 115* | 112* | 108* | 99.2* | 81.6* | 70.9* | 60.2* | 48.6* | 44 |
| 48 | | | | | 101* | 103* | 100.0* | 97.7* | 95.8* | 78.5* | 69.5* | 59.5* | 47.2* | 48 |
| 52 | | | | | 85.2* | 91.1* | 90.5* | 88.2* | 90.3* | 77.2* | 65.8* | 56.9* | 45.1* | 52 |
| 56 | | | | | | 78.3* | 80.4* | 78.6* | 78.8* | 73.4* | 64.7* | 55.5* | 43.8* | 56 |
| 60 | | | | | | | 70.8* | 73.4* | 71.5* | 69.2* | 63.4* | 51.1* | 41.9* | 60 |
| 64 | | | | | | | 59.9* | 65.3* | 64.7* | 63.3* | 56.8* | 45.6* | 38.0* | 64 |
| 68 | | | | | | | | 56.7* | 60.4* | 57.6* | 52.2* | 41.1* | 33.3* | 68 |
| 72 | | | | | | | | | 51.9* | 52.8* | 46.9* | 37.2* | 29.1* | 72 |
| 76 | | | | | | | | | | 48.3* | 43.1* | 33.3* | 25.4* | 76 |
| 80 | | | | | | | | | | 42.1* | 39.2* | 29.2* | 22.2* | 80 |
| 84 | | | | | | | | | | | 35.2* | 26.4* | 19.2* | 84 |
| 88 | | | | | | | | | | | | 23.5* | 16.7* | 88 |
| 92 | | | | | | | | | | | | 21.2* | 14.1* | 92 |
| 96 | | | | | | | | | | | | | 11.4* | 96 |

Unit: t

## Load Chart of LJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJDB Congfiguration 2/10

Main boom 48m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 310t, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 350* | | | | | | | | | | | | | 14 |
| 16 | 350* | 320* | | | | | | | | | | | | 16 |
| 18 | 322* | 310* | 265* | | | | | | | | | | | 18 |
| 20 | 320 | 300* | 261* | 227* | | | | | | | | | | 20 |
| 22 | 310 | 287 | 253* | 223* | 193* | 166* | | | | | | | | 22 |
| 24 | 265 | 272 | 246* | 217* | 190* | 165* | 141* | | | | | | | 24 |
| 26 | 225* | 245 | 240 | 212* | 186* | 163* | 140* | 120* | | | | | | 26 |
| 28 | 190* | 215* | 223 | 207* | 182* | 158* | 137* | 118* | 101* | 85.6* | | | | 28 |
| 30 | | 190* | 205 | 199 | 177* | 155* | 136* | 117* | 100.0* | 84.2* | 73.6* | | | 30 |
| 32 | | 165* | 187 | 185 | 171* | 147* | 134* | 116* | 99.3* | 83.1* | 72.2* | 62.5* | | 32 |
| 34 | | 140* | 172* | 171* | 165* | 144* | 133* | 114* | 98.2* | 82.3* | 71.3* | 61.3* | 51.4* | 34 |
| 36 | | | 160* | 158* | 155* | 139* | 131* | 112* | 95.9* | 81.1* | 70.4* | 60.1* | 50.5* | 36 |
| 38 | | | 145* | 146* | 145* | 133* | 129* | 110* | 95.1* | 80.1* | 69.1* | 59.4* | 49.6* | 38 |
| 40 | | | 125* | 136* | 135* | 130* | 124* | 108* | 93.3* | 77.9* | 67.8* | 58.1* | 48.4* | 40 |
| 44 | | | | 115* | 118* | 116* | 115* | 105* | 90.8* | 76.5* | 67.2* | 56.9* | 47.2* | 44 |
| 48 | | | | | 103* | 105* | 105* | 101* | 89.5* | 75.2* | 65.5* | 55.4* | 45.2* | 48 |
| 52 | | | | | 82.5* | 91.3* | 90.9* | 90.2* | 86.2* | 72.9* | 64.1* | 54.1* | 44.3* | 52 |
| 56 | | | | | | 79.9* | 82.6* | 81.1* | 77.8* | 70.8* | 60.8* | 52.7* | 42.1* | 56 |
| 60 | | | | | | | 72.8* | 74.8* | 72.9* | 69.1* | 59.7* | 51.6* | 41.4* | 60 |
| 64 | | | | | | | 60.1* | 65.9* | 65.5* | 65.2* | 58.1* | 46.3* | 38.2* | 64 |
| 68 | | | | | | | | 58.2* | 60.3* | 59.6* | 51.6* | 42.2* | 33.2* | 68 |
| 72 | | | | | | | | | 54.6* | 55.2* | 47.2* | 37.3* | 30.1* | 72 |
| 76 | | | | | | | | | 40.9* | 49.6* | 42.5* | 32.8* | 26.1* | 76 |
| 80 | | | | | | | | | | 39.7* | 39.1* | 29.1* | 22.4* | 80 |
| 84 | | | | | | | | | | | 34.7* | 25.8* | 19.6* | 84 |
| 88 | | | | | | | | | | | | 23.7* | 17.0* | 88 |
| 92 | | | | | | | | | | | | 21.1* | 14.5* | 92 |
| 96 | | | | | | | | | | | | | 12.3* | 96 |





Unit: t

## Load Chart of LJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJDB Congfiguration 3/10

Main boom 54m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 310t, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 350* | | | | | | | | | | | | | 16 |
| 18 | 323* | 290* | 265* | | | | | | | | | | | 18 |
| 20 | 305* | 280* | 255* | 213* | | | | | | | | | | 20 |
| 22 | 288 | 265* | 240* | 210* | 190* | | | | | | | | | 22 |
| 24 | 273 | 253* | 231* | 205* | 180* | 160* | 135* | | | | | | | 24 |
| 26 | 238 | 241 | 223* | 200* | 177* | 155* | 133* | 115* | | | | | | 26 |
| 28 | 200* | 223 | 215* | 195* | 173* | 151* | 131* | 112* | 96.6* | | | | | 28 |
| 30 | 163* | 196* | 206 | 190* | 168* | 146* | 129* | 111* | 95.4* | 81.1* | 70.4* | | | 30 |
| 32 | | 172* | 195 | 183* | 163* | 142* | 128* | 110* | 94.5* | 79.6* | 69.3* | 60.6* | | 32 |
| 34 | | 147* | 183 | 175 | 159* | 138* | 125* | 108* | 93.3* | 78.5* | 68.1* | 59.4* | 49.6* | 34 |
| 36 | | 123* | 166 | 165 | 153* | 133* | 124* | 107* | 91.9* | 77.9* | 67.2* | 58.5* | 48.2* | 36 |
| 38 | | | 152* | 156 | 148* | 130* | 122* | 105* | 90.7* | 77.1* | 66.3* | 57.2* | 47.1* | 38 |
| 40 | | | 132* | 145 | 141 | 125* | 119* | 102* | 89.6* | 76.3* | 65.2* | 56.1* | 46.3* | 40 |
| 44 | | | | 120* | 124* | 116* | 116* | 99.1* | 87.1* | 75.2* | 64.1* | 55.3* | 45.1* | 44 |
| 48 | | | | | 106* | 106* | 108* | 95.3* | 85.3* | 73.4* | 63.2* | 53.9* | 44.2* | 48 |
| 52 | | | | | 85.3* | 95.5* | 95.9* | 90.8* | 80.6* | 71.1* | 62.1* | 52.3* | 42.5* | 52 |
| 56 | | | | | | 80.8* | 84.7* | 85.1* | 79.2* | 69.2* | 60.4* | 51.1* | 41.2* | 56 |
| 60 | | | | | | | 73.1* | 75.7* | 74.1* | 66.5* | 58.3* | 50.4* | 39.8* | 60 |
| 64 | | | | | | | 62.5* | 67.6* | 67.5* | 65.2* | 55.9* | 47.0* | 38.1* | 64 |
| 68 | | | | | | | | 58.2* | 60.6* | 60.2* | 53.1* | 42.3* | 33.9* | 68 |
| 72 | | | | | | | | | 54.8* | 54.3* | 48.2* | 38.1* | 29.5* | 72 |
| 76 | | | | | | | | | 45.9* | 45.7* | 43.4* | 34.0* | 26.5* | 76 |
| 80 | | | | | | | | | | 42.5* | 39.5* | 30.2* | 23.2* | 80 |
| 84 | | | | | | | | | | | 36.1* | 26.8* | 20.3* | 84 |
| 88 | | | | | | | | | | | 32.6* | 24.3* | 17.5* | 88 |
| 92 | | | | | | | | | | | | 21.3* | 14.4* | 92 |
| 96 | | | | | | | | | | | | | 12.3* | 96 |

Unit: t

## Load Chart of LJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJDB Congfiguration 4/10

Main boom 60m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 310t, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 300* | | | | | | | | | | | | | 16 |
| 18 | 292* | 262* | | | | | | | | | | | | 18 |
| 20 | 273* | 250* | 230* | 200* | | | | | | | | | | 20 |
| 22 | 260* | 238* | 220* | 192* | 170* | | | | | | | | | 22 |
| 24 | 245* | 227* | 210* | 186* | 165* | 145* | | | | | | | | 24 |
| 26 | 231* | 218* | 205* | 182* | 161* | 141* | 123* | 110* | | | | | | 26 |
| 28 | 210* | 207* | 192* | 178* | 157* | 139* | 121* | 106* | 92.5* | | | | | 28 |
| 30 | 175* | 197* | 185* | 170* | 155* | 136* | 119* | 104* | 90.1* | 76.8* | | | | 30 |
| 32 | | 180* | 175* | 165* | 151* | 133* | 118* | 103* | 88.0* | 75.4* | 65.1* | | | 32 |
| 34 | | 155* | 170* | 158* | 147* | 129* | 115* | 101* | 87.4* | 74.2* | 64.2* | 55.5* | 46.7* | 34 |
| 36 | | 130* | 160* | 153* | 141* | 126* | 114* | 98.8* | 86.2* | 73.3* | 63.3* | 54.2* | 45.2* | 36 |
| 38 | | | 150* | 148* | 138* | 121* | 112* | 97.5* | 85.1* | 72.2* | 62.2* | 52.8* | 44.4* | 38 |
| 40 | | | 138* | 138* | 132* | 117* | 110* | 96.1* | 84.4* | 71.2* | 61.5* | 53.3* | 43.6* | 40 |
| 44 | | | | 120* | 118* | 111* | 98.1* | 92.2* | 82.2* | 68.9* | 60.4* | 52.4* | 42.1* | 44 |
| 48 | | | | 96.2* | 104* | 102* | 88.5* | 89.1* | 78.8* | 67.8* | 58.7* | 51.6* | 41.4* | 48 |
| 52 | | | | | 90.5* | 80.4* | 78.9* | 84.8* | 76.5* | 66.5* | 57.1* | 50.5* | 40.3* | 52 |
| 56 | | | | | | 78.9* | 70.3* | 77.5* | 73.4* | 65.4* | 55.4* | 48.5* | 38.5* | 56 |
| 60 | | | | | | | 63.2* | 69.1* | 67.4* | 63.2* | 54.3* | 47.4* | 37.4* | 60 |
| 64 | | | | | | | 61.5* | 63.0* | 61.1* | 60.0* | 53.2* | 46.6* | 36.1* | 64 |
| 68 | | | | | | | | 56.4* | 56.1* | 54.3* | 51.4* | 41.9* | 34.6* | 68 |
| 72 | | | | | | | | | 50.3* | 49.4* | 48.2* | 38.3* | 30.3* | 72 |
| 76 | | | | | | | | | 45.1* | 45.2* | 44.1* | 34.4* | 25.9* | 76 |
| 80 | | | | | | | | | | 40.9* | 39.3* | 30.2* | 23.6* | 80 |
| 84 | | | | | | | | | | | 35.9* | 27.2* | 20.2* | 84 |
| 88 | | | | | | | | | | | 32.8* | 24.4* | 17.5* | 88 |
| 92 | | | | | | | | | | | | 21.8* | 15.2* | 92 |
| 96 | | | | | | | | | | | | | 12.7* | 96 |
| 100 | | | | | | | | | | | | | 10.6* | 100 |





Unit: t

## Load Chart of LJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJDB Congfiguration 5/10

Main boom 66m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 310t, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 270* | | | | | | | | | | | | | 16 |
| 18 | 261* | 235* | | | | | | | | | | | | 18 |
| 20 | 250* | 230* | 208* | | | | | | | | | | | 20 |
| 22 | 235* | 215* | 199* | 180* | 155* | | | | | | | | | 22 |
| 24 | 221* | 206* | 190* | 173* | 150* | 132* | | | | | | | | 24 |
| 26 | 210* | 200* | 185* | 169* | 147* | 130* | 115* | | | | | | | 26 |
| 28 | 200* | 188* | 175* | 161* | 143* | 128* | 112* | 101* | 88.7* | | | | | 28 |
| 30 | 182* | 178* | 168* | 155* | 140* | 124* | 110* | 98.6* | 85.4* | 75.4* | | | | 30 |
| 32 | | 171* | 161* | 149* | 136* | 122* | 108* | 95.2* | 83.2* | 72.1* | 62.5* | | | 32 |
| 34 | | 160* | 153* | 140* | 132* | 120* | 107* | 93.1* | 82.1* | 70.8* | 61.3* | 52.4* | | 34 |
| 36 | | 135* | 146* | 138* | 128* | 117* | 106* | 92.3* | 79.8* | 69.5* | 60.5* | 51.1* | 43.6* | 36 |
| 38 | | | 138* | 132* | 124* | 114* | 104* | 90.2* | 78.2* | 68.4* | 59.2* | 50.6* | 42.4* | 38 |
| 40 | | | 129* | 126* | 119* | 111* | 102* | 89.4* | 77.6* | 67.1* | 58.3* | 49.3* | 41.3* | 40 |
| 44 | | | | 110* | 107* | 104* | 98.4* | 84.8* | 75.4* | 66.6* | 57.1* | 48.2* | 40.2* | 44 |
| 48 | | | | 94.8* | 94.3* | 92.1* | 89.3* | 82.2* | 73.2* | 64.3* | 55.6* | 47.4* | 39.4* | 48 |
| 52 | | | | | 82.8* | 81.9* | 79.9* | 78.2* | 68.3* | 62.2* | 53.5* | 46.4* | 38.5* | 52 |
| 56 | | | | | | 72.8* | 71.2* | 70.4* | 65.9* | 61.5* | 51.8* | 45.7* | 36.6* | 56 |
| 60 | | | | | | 65.1* | 63.8* | 62.5* | 61.5* | 59.3* | 50.6* | 44.6* | 35.4* | 60 |
| 64 | | | | | | | 57.1* | 56.8* | 55.5* | 54.4* | 49.4* | 43.5* | 33.2* | 64 |
| 68 | | | | | | | | 51.4* | 50.6* | 48.8* | 47.3* | 42.2* | 32.7* | 68 |
| 72 | | | | | | | | | 45.4* | 45.3* | 43.3* | 37.8* | 31.1* | 72 |
| 76 | | | | | | | | | 40.9* | 40.5* | 39.9* | 34.3* | 27.4* | 76 |
| 80 | | | | | | | | | | 37.3* | 36.5* | 31.2* | 23.6* | 80 |
| 84 | | | | | | | | | | | 32.8* | 27.2* | 20.2* | 84 |
| 88 | | | | | | | | | | | 29.7* | 24.5* | 18.1* | 88 |
| 92 | | | | | | | | | | | | 21.9* | 15.3* | 92 |
| 96 | | | | | | | | | | | | | 12.6* | 96 |
| 100 | | | | | | | | | | | | | 10.5* | 100 |

Unit: t

## Load Chart of LJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJDB Congfiguration 6/10

Main boom 72m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 310t, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 235* | 210* | | | | | | | | | | | | 18 |
| 20 | 222* | 200* | 180* | | | | | | | | | | | 20 |
| 22 | 212* | 193* | 175* | 159* | | | | | | | | | | 22 |
| 24 | 202* | 187* | 169* | 155* | 137* | 119* | | | | | | | | 24 |
| 26 | 192* | 180* | 163* | 147* | 136* | 117* | 104* | | | | | | | 26 |
| 28 | 183* | 171* | 158* | 143* | 130* | 115* | 102* | 92.6* | | | | | | 28 |
| 30 | 175* | 165* | 152* | 139* | 127* | 113* | 100.0* | 89.5* | 79.6* | 69.4* | | | | 30 |
| 32 | | 155* | 145* | 135* | 122* | 110* | 99.4* | 88.4* | 77.5* | 67.2* | 58.8* | | | 32 |
| 34 | | 148* | 139* | 129* | 118* | 107* | 97.2* | 86.3* | 75.4* | 65.1* | 56.2* | 51.2* | | 34 |
| 36 | | 142* | 135* | 125* | 115* | 104* | 95.2* | 85.7* | 74.3* | 64.3* | 55.3* | 48.9* | 43.8* | 36 |
| 38 | | | 128* | 121* | 111* | 101* | 92.5* | 82.9* | 73.2* | 63.5* | 54.3* | 47.5* | 41.4* | 38 |
| 40 | | | 119* | 116* | 108* | 98.5* | 90.3* | 81.7* | 72.5* | 62.4* | 52.9* | 46.1* | 40.2* | 40 |
| 44 | | | | 102* | 98.8* | 93.4* | 85.5* | 78.5* | 70.1* | 61.3* | 52.1* | 45.4* | 38.8* | 44 |
| 48 | | | | 88.9* | 87.1* | 85.2* | 82.2* | 75.6* | 66.7* | 59.9* | 50.8* | 44.3* | 37.5* | 48 |
| 52 | | | | | 77.2* | 76.2* | 74.1* | 71.4* | 63.6* | 58.5* | 49.6* | 43.2* | 35.4* | 52 |
| 56 | | | | | | 67.2* | 66.3* | 65.1* | 61.4* | 56.5* | 48.8* | 42.1* | 34.3* | 56 |
| 60 | | | | | | 59.8* | 59.2* | 58.4* | 55.9* | 54.3* | 47.5* | 41.2* | 33.2* | 60 |
| 64 | | | | | | | 52.4* | 51.9* | 50.7* | 49.8* | 45.6* | 40.4* | 32.4* | 64 |
| 68 | | | | | | | | 47.3* | 46.4* | 44.9* | 42.3* | 39.2* | 31.4* | 68 |
| 72 | | | | | | | | 41.6* | 41.5* | 41.5* | 40.2* | 38.2* | 30.2* | 72 |
| 76 | | | | | | | | | 38.1* | 37.2* | 36.3* | 35.2* | 27.3* | 76 |
| 80 | | | | | | | | | | 34.3* | 33.2* | 31.5* | 24.1* | 80 |
| 84 | | | | | | | | | | 31.0* | 30.2* | 28.2* | 21.2* | 84 |
| 88 | | | | | | | | | | | 27.5* | 25.3* | 18.1* | 88 |
| 92 | | | | | | | | | | | | 22.5* | 15.1* | 92 |
| 96 | | | | | | | | | | | | | 13.4* | 96 |
| 100 | | | | | | | | | | | | | 11.3* | 100 |





Unit: t

## Load Chart of LJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJDB Congfiguration 7/10

Main boom 78m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 310t, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 205* | | | | | | | | | | | | | 18 |
| 20 | 193* | 173* | 151* | | | | | | | | | | | 20 |
| 22 | 185* | 165* | 148* | 131* | | | | | | | | | | 22 |
| 24 | 176* | 159* | 143* | 129* | 115* | | | | | | | | | 24 |
| 26 | 169* | 153* | 138* | 125* | 113* | 103* | 90.5* | | | | | | | 26 |
| 28 | 162* | 147* | 133* | 121* | 110* | 100.0* | 87.9* | 78.5* | | | | | | 28 |
| 30 | 156* | 142* | 129* | 118* | 106* | 97.5* | 86.5* | 76.4* | 69.5* | | | | | 30 |
| 32 | 153* | 136* | 124* | 114* | 103* | 94.8* | 85.3* | 75.2* | 66.3* | 60.4* | | | | 32 |
| 34 | | 133* | 120* | 110* | 100.0* | 92.6* | 84.1* | 73.6* | 65.2* | 58.1* | 52.5* | 45.4* | | 34 |
| 36 | | 129* | 115* | 107* | 97.5* | 90.2* | 83.2* | 71.2* | 63.4* | 56.3* | 50.2* | 43.2* | 37.5* | 36 |
| 38 | | 120* | 112* | 102* | 94.1* | 87.1* | 80.4* | 69.9* | 62.2* | 55.2* | 48.2* | 42.1* | 35.4* | 38 |
| 40 | | | 109* | 100.0* | 91.2* | 84.2* | 78.7* | 68.7* | 60.5* | 54.1* | 47.3* | 41.3* | 34.2* | 40 |
| 44 | | | 95.8* | 93.2* | 85.4* | 81.3* | 76.2* | 65.1* | 59.6* | 53.6* | 45.3* | 40.5* | 34.1* | 44 |
| 48 | | | | 82.1* | 78.9* | 75.8* | 72.1* | 63.2* | 58.5* | 51.2* | 44.2* | 39.1* | 34.1* | 48 |
| 52 | | | | | 69.8* | 69.1* | 67.6* | 60.5* | 56.2* | 49.1* | 42.1* | 38.3* | 33.2* | 52 |
| 56 | | | | | | 62.1* | 60.2* | 57.3* | 53.4* | 47.5* | 41.2* | 36.2* | 32.2* | 56 |
| 60 | | | | | | 55.2* | 54.1* | 53.2* | 50.2* | 44.3* | 38.9* | 35.5* | 31.4* | 60 |
| 64 | | | | | | | 49.0* | 48.0* | 46.1* | 42.5* | 37.2* | 34.4* | 30.5* | 64 |
| 68 | | | | | | | | 43.2* | 42.3* | 41.2* | 36.2* | 31.3* | 29.2* | 68 |
| 72 | | | | | | | | 39.3* | 38.5* | 37.1* | 35.4* | 30.5* | 28.1* | 72 |
| 76 | | | | | | | | | 34.2* | 33.8* | 32.7* | 28.3* | 27.2* | 76 |
| 80 | | | | | | | | | | 31.1* | 30.1* | 27.2* | 24.3* | 80 |
| 84 | | | | | | | | | | 28.2* | 26.8* | 26.4* | 21.2* | 84 |
| 88 | | | | | | | | | | | 24.7* | 24.3* | 18.5* | 88 |
| 92 | | | | | | | | | | | | 22.2* | 16.0* | 92 |
| 96 | | | | | | | | | | | | 20.1* | 13.3* | 96 |
| 100 | | | | | | | | | | | | | 11.4* | 100 |

Unit: t

## Load Chart of LJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJDB Congfiguration 8/10

Main boom 84m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 310t, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 190* | | | | | | | | | | | | | 18 |
| 20 | 180* | 157* | | | | | | | | | | | | 20 |
| 22 | 170* | 152* | 140* | 123* | | | | | | | | | | 22 |
| 24 | 163* | 147* | 138* | 121* | 110* | | | | | | | | | 24 |
| 26 | 155* | 142* | 133* | 117* | 106* | 95.8* | | | | | | | | 26 |
| 28 | 145* | 137* | 130* | 114* | 103* | 92.2* | 82.5* | 73.7* | | | | | | 28 |
| 30 | 141* | 132* | 126* | 110* | 100.0* | 90.4* | 80.4* | 71.4* | 63.8* | | | | | 30 |
| 32 | 138* | 126* | 121* | 107* | 98.5* | 88.6* | 78.6* | 70.3* | 62.7* | 55.6* | | | | 32 |
| 34 | | 121* | 117* | 104* | 94.4* | 86.2* | 76.5* | 68.5* | 60.4* | 53.1* | 46.3* | | | 34 |
| 36 | | 116* | 113* | 100.0* | 91.5* | 84.1* | 74.2* | 67.6* | 59.2* | 52.1* | 45.2* | 40.1* | 33.7* | 36 |
| 38 | | 113* | 109* | 95.8* | 88.6* | 82.1* | 73.3* | 66.5* | 58.3* | 51.3* | 44.1* | 38.9* | 32.2* | 38 |
| 40 | | | 102* | 94.4* | 86.2* | 80.6* | 71.5* | 65.4* | 57.1* | 50.4* | 43.5* | 38.1* | 31.4* | 40 |
| 44 | | | 89.9* | 86.3* | 80.7* | 74.8* | 68.5* | 63.2* | 55.7* | 49.2* | 42.2* | 37.2* | 30.3* | 44 |
| 48 | | | | 76.8* | 74.3* | 70.4* | 64.4* | 60.4* | 53.6* | 48.4* | 41.2* | 36.4* | 29.1* | 48 |
| 52 | | | | | 66.1* | 64.3* | 60.9* | 58.6* | 50.2* | 47.3* | 40.4* | 35.3* | 28.2* | 52 |
| 56 | | | | | 58.9* | 57.1* | 56.1* | 53.5* | 49.3* | 45.4* | 38.9* | 34.1* | 27.5* | 56 |
| 60 | | | | | | 51.3* | 50.1* | 49.4* | 47.4* | 43.2* | 38.2* | 32.7* | 26.1* | 60 |
| 64 | | | | | | | 45.2* | 44.4* | 43.2* | 40.8* | 37.1* | 31.2* | 25.4* | 64 |
| 68 | | | | | | | | 40.2* | 39.0* | 38.0* | 35.4* | 30.5* | 25.3* | 68 |
| 72 | | | | | | | | 35.8* | 35.1* | 34.5* | 33.3* | 29.4* | 24.4* | 72 |
| 76 | | | | | | | | | 32.2* | 31.1* | 30.3* | 28.2* | 23.5* | 76 |
| 80 | | | | | | | | | | 28.7* | 27.7* | 26.6* | 22.2* | 80 |
| 84 | | | | | | | | | | 25.8* | 24.7* | 24.3* | 21.4* | 84 |
| 88 | | | | | | | | | | | 22.3* | 21.8* | 18.6* | 88 |
| 92 | | | | | | | | | | | | 20.1* | 16.0* | 92 |
| 96 | | | | | | | | | | | | 18.5* | 13.7* | 96 |
| 100 | | | | | | | | | | | | | 11.5* | 100 |





Unit: t

## Load Chart of LJDB Congfiguration

### SCC6500A Crawler Crane - Load Chart of LJDB Congfiguration 9/10

Main boom 90m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 310t, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 165* | | | | | | | | | | | | | 18 |
| 20 | 162* | 140* | | | | | | | | | | | | 20 |
| 22 | 155* | 138* | 128* | | | | | | | | | | | 22 |
| 24 | 149* | 135* | 123* | 110* | 97.8* | | | | | | | | | 24 |
| 26 | 143* | 130* | 120* | 107* | 95.5* | 83.6* | | | | | | | | 26 |
| 28 | 138* | 126* | 115* | 104* | 93.4* | 82.4* | 73.9* | | | | | | | 28 |
| 30 | 131* | 121* | 112* | 103* | 91.2* | 81.1* | 72.5* | 64.6* | | | | | | 30 |
| 32 | 126* | 116* | 108* | 100.0* | 89.6* | 80.2* | 71.4* | 63.4* | 55.8* | 49.5* | | | | 32 |
| 34 | | 113* | 103* | 97.5* | 87.2* | 78.5* | 70.3* | 62.5* | 54.6* | 48.4* | 43.5* | | | 34 |
| 36 | | 108* | 100.0* | 94.3* | 84.4* | 77.2* | 69.5* | 61.7* | 53.2* | 47.6* | 42.1* | 36.7* | | 36 |
| 38 | | 105* | 98.5* | 90.9* | 82.6* | 75.6* | 67.7* | 60.2* | 52.5* | 46.2* | 41.6* | 35.8* | 30.5* | 38 |
| 40 | | | 93.1* | 87.8* | 79.5* | 73.4* | 65.6* | 59.3* | 51.4* | 45.1* | 40.4* | 34.5* | 29.4* | 40 |
| 44 | | | 81.9* | 79.2* | 75.4* | 70.1* | 62.3* | 57.8* | 50.2* | 44.2* | 39.5* | 33.2* | 28.2* | 44 |
| 48 | | | | 70.2* | 67.7* | 65.2* | 60.1* | 55.2* | 49.4* | 43.4* | 38.6* | 32.4* | 27.3* | 48 |
| 52 | | | | | 60.5* | 57.8* | 56.2* | 52.4* | 47.6* | 41.1* | 37.2* | 31.3* | 26.5* | 52 |
| 56 | | | | | 54.4* | 52.2* | 51.1* | 48.9* | 45.4* | 39.4* | 35.1* | 30.5* | 25.4* | 56 |
| 60 | | | | | | 47.1* | 45.2* | 44.6* | 42.9* | 36.5* | 33.4* | 29.4* | 24.1* | 60 |
| 64 | | | | | | | 41.4* | 40.3* | 39.0* | 35.2* | 31.4* | 28.2* | 24.1* | 64 |
| 68 | | | | | | | 36.8* | 35.7* | 35.4* | 33.2* | 30.2* | 27.6* | 23.2* | 68 |
| 72 | | | | | | | | 33.1* | 32.3* | 31.2* | 29.2* | 26.5* | 22.4* | 72 |
| 76 | | | | | | | | | 29.1* | 28.3* | 27.2* | 25.4* | 22.4* | 76 |
| 80 | | | | | | | | | | 25.4* | 24.4* | 23.2* | 21.3* | 80 |
| 84 | | | | | | | | | | 23.3* | 22.6* | 21.4* | 20.2* | 84 |
| 88 | | | | | | | | | | | 20.2* | 19.2* | 18.1* | 88 |
| 92 | | | | | | | | | | | | 18.1* | 16.1* | 92 |
| 96 | | | | | | | | | | | | 16.1* | 13.7* | 96 |
| 100 | | | | | | | | | | | | | 11.5* | 100 |

Unit: t

## Load Chart of LJDB Congfiguration

**SCC6500A Crawler Crane - Load Chart of LJDB Congfiguration 10/10**

Main boom 96m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 310t, rear counterweight 210t and center counterweight 60t

| Radius (m) | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 150* | 130* | | | | | | | | | | | | 20 |
| 22 | 140* | 125* | 110* | | | | | | | | | | | 22 |
| 24 | 133* | 120* | 107* | 95.7* | | | | | | | | | | 24 |
| 26 | 129* | 115* | 105* | 93.2* | 85.6* | 73.4* | | | | | | | | 26 |
| 28 | 122* | 110* | 100.0* | 91.4* | 83.3* | 72.6* | 64.7* | | | | | | | 28 |
| 30 | 115* | 106* | 98.5* | 89.5* | 80.5* | 71.5* | 63.6* | 57.6* | | | | | | 30 |
| 32 | 113* | 103* | 95.4* | 85.4* | 78.1* | 70.2* | 62.5* | 56.2* | 49.9* | | | | | 32 |
| 34 | 110* | 100.0* | 91.7* | 83.3* | 75.6* | 69.6* | 61.2* | 55.1* | 48.2* | 43.6* | 37.7* | | | 34 |
| 36 | | 95.4* | 89.2* | 81.2* | 73.4* | 68.5* | 60.6* | 54.3* | 47.5* | 42.4* | 36.5* | 32.6* | | 36 |
| 38 | | 91.1* | 83.2* | 77.9* | 70.1* | 67.2* | 59.4* | 53.7* | 46.1* | 41.2* | 35.6* | 31.5* | 25.6* | 38 |
| 40 | | | 81.4* | 76.4* | 69.7* | 65.1* | 58.3* | 52.2* | 45.2* | 40.2* | 34.2* | 30.4* | 25.4* | 40 |
| 44 | | | 76.4* | 71.6* | 65.5* | 61.3* | 57.2* | 50.5* | 44.4* | 39.4* | 33.4* | 29.2* | 24.8* | 44 |
| 48 | | | | 65.8* | 62.2* | 58.2* | 55.4* | 48.6* | 42.2* | 38.6* | 32.5* | 28.3* | 24.3* | 48 |
| 52 | | | | | 56.4* | 55.0* | 51.2* | 46.4* | 41.3* | 36.5* | 31.5* | 27.4* | 23.2* | 52 |
| 56 | | | | | 50.9* | 49.2* | 47.4* | 43.3* | 37.8* | 35.1* | 30.4* | 26.1* | 22.5* | 56 |
| 60 | | | | | | 44.2* | 42.7* | 41.5* | 36.2* | 33.7* | 29.1* | 25.4* | 21.1* | 60 |
| 64 | | | | | | | 37.9* | 37.4* | 34.3* | 32.6* | 28.7* | 23.9* | 20.3* | 64 |
| 68 | | | | | | | 35.0* | 34.1* | 32.7* | 30.5* | 27.6* | 22.8* | 19.5* | 68 |
| 72 | | | | | | | | 31.1* | 29.2* | 28.2* | 26.5* | 22.1* | 18.1* | 72 |
| 76 | | | | | | | | | 27.0* | 26.1* | 24.3* | 21.2* | 17.3* | 76 |
| 80 | | | | | | | | | 23.9* | 23.7* | 22.1* | 20.3* | 16.2* | 80 |
| 84 | | | | | | | | | | 21.8* | 20.2* | 19.1* | 15.4* | 84 |
| 88 | | | | | | | | | | | 18.1* | 17.8* | 14.7* | 88 |
| 92 | | | | | | | | | | | | 16.2* | 13.2* | 92 |
| 96 | | | | | | | | | | | | 15.0* | 12.6* | 96 |
| 100 | | | | | | | | | | | | | 11.3* | 100 |

## Notes

**Notes**