



# SCC1500A-1

## Crawler Crane

### 150 Tons Lifting Capacity

Quality Changes the World



**Max. lifting moment:  $140 \times 6 = 840 \text{t} \cdot \text{m}$**   
**Max. boom length: 76m**  
**Max. fixed jib combination: 64m+31m**

The parameters and diagrams in the brochure is only for reference, which is subject to further update in real machine.



## Crawler Crane Series SCC1500A-1

|     |                      |                                                                                                                                                                             |
|-----|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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**SCC1500A-1**  
**SANY CRAWLER CRANE**  
**150 TONS LIFTING CAPACITY**

QUALITY CHANGES THE WORLD

## Main Characteristics

- Page 04 Product Specification
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## Product Specification



### Engine

- Model: DCEC (Cummins China) QSL8.9-C325 Diesel engine;
- Type: 4-stroke, water-cooled, vertical in-line 6 cylinders, direct injection, turbo-charger, intercooler, complied with European Off-highway Tier III Emission Standard and Chinese Off-highway Tier III Emission Standard;
- Displacement: 8.9L;
- Rated power: 242kW/2100rpm;
- Operation power: 234kW/1800rpm;
- Max. Torque: 1385N·m/1500rpm;
- Starter: 24V-6.0kW;
- Radiator: fin type aluminum plate core;
- Air cleaner: Dry type system with main filter element, safety element and resistance indicator;
- Throttle: Grip type hand throttle, electrically-controlled;
- Fuel filter: Replaceable paper element;
- Batteries: Two 12V×180Ah capacity batteries, connected in series;
- Fuel tank capacity: 400L.

### Electrical Control System

- Self-developed SYIC-II integrated control system is adopted with higher integration, precise operation and reliable quality;
- Control system consists of power system, engine system, main control system, LMI system, auxiliary system and safety monitoring system. CAN BUS is used for data communication between controller, monitor and the engine;
- Monitor: the working parameters and status are shown on the monitor, such as the engine speed, fuel volume, engine oil pressure, servo pressure, engine working hours, lifting conditions and boom angle.

### Hydraulic System

- Main pumps: open variable displacement piston pumps of large displacement are adopted to provide oil supply for main actuators of main machine;
- Gear pump: dual gear pump for swing, radiator and control circuit;
- Control: main pump adopts electrically-controlled positive flow control; winch motor adopts limitless adjustable piston motor of variable displacement. The operating components are two cross hydraulic handle, one dual travel pedal control valve to control various actuators proportionally;
- Way of cooling: heat exchanger, fan core and multi-stage cooling;
- Filter: large flow, high precision filter, with bypass valve and transmitter, which can remind the user to replace the filter element in time;
- Max. pressure of system: 32 Mpa;
- Main/aux. load hoist and travel system: 32Mpa;
- Swing system: 20 MPa;
- Control system: 5 MPa;
- Hydraulic Tank Capacity: 460L.

### Main and Auxiliary Load Hoist Mechanism

- Main and aux. hoist winches are driven separately by motor via gearbox. Operating winch handle can control the winch to rotate to two directions, which are lifting and lowering of hook. Excellent inching function is equipped on the machine;
- Drums with fold-line grooves can ensure the wire rope reeved in order in multilayers;
- Free fall for main/aux. load hoist is offered as optional, and the rated single line pull is 12t.

|                              |                                       |            |
|------------------------------|---------------------------------------|------------|
| Main Hoisting Mechanism      | Drum diameter                         | 630mm      |
|                              | Rope speed (5th layer)                | 0-156m/min |
|                              | Diameter of wire rope                 | 26mm       |
|                              | Main load hoist wire rope length      | 330m       |
|                              | Rated single line pull                | 13.5t      |
| Auxiliary Hoisting Mechanism | Drum diameter                         | 630mm      |
|                              | Rope speed (5th layer)                | 0-156m/min |
|                              | Diameter of wire rope                 | 26mm       |
|                              | Auxiliary load hoist wire rope length | 260m       |
|                              | Rated single line pull                | 13.5t      |



## Product Specification

### Boom Hoist Mechanism

- Boom hoist winch is driven directly by motor via gearbox. Operating winch handle can control the winch to rotate to two directions, which are lifting and lowering of boom;
- Drums with fold-line grooves can ensure the wire rope reeved in order in multilayers.

|                      |                             |           |
|----------------------|-----------------------------|-----------|
| Boom hoist mechanism | Drum diameter               | 420mm     |
|                      | Rope speed (5th layer)      | 0~78m/min |
|                      | Diameter of wire rope       | 20mm      |
|                      | Boom hoist wire rope length | 215m      |

### Swing Mechanism

- Swing brake adopts wet, spring loaded, normally-closed brake, and braking through spring force;
- Swing system, equipped with integrated swing buffer valve, has free slipping function. It is featured in steady starting and control, and excellent inching function. Unique swing buffer design and steadier brake;
- Swing drive: internal engaged swing drive with 360° swing range, and the max. swing speed is 1.2r/min. The max. drive pressure can reach 20MPa;
- Swing ring: three-row roller bearing.

### Cab and Control

- Novel operator's cab with fashionable profile, nice interior and large window glass, which can tilt up by 20° to provide panorama view. There are low and high-beam lights, back-view mirror, heater and A/C, radio and other functions. The layout of seat, handles, control buttons are designed with ergonomic principles to make operation more comfortable;
- Cab layout: Integrated 10.4-inch touch screen, programmable smart switches, and man-machine interaction interface are more perfect;
- Armrest box: on the left and right armrest box are control handles, electrical switches, emergent stop and ignition switch. The armrest box can be adjusted along with the seat;
- Seat: multi-way and multi-level floating adjustable seat with unload switch;
- A/C: cool and heat air; optimized air channels and vents;
- Multiple cameras can present on the monitor at the same time to realize backing video, real-time monitoring of wire rope on each winch, conditions behind the counterweight and surrounding the machine.

### Counterweight

- The stacking mode of counterweight tray and blocks is used for easy assembly, disassembly and transportation;
- Rear counterweight: total weight 61.3t. There are two types, the standard offering is regular counterweight, and the optional offering is self-assembled counterweight;
- The standard counterweight: tray 12.7t × 1, counterweight blocks 7.1 × 6, counterweight blocks 3t × 2;
- The optional counterweight: tray 12t × 1, counterweight blocks 5.25t × 8, counterweight blocks 3t × 2, self-assembly cylinder bracket 1.3t × 1;
- Carbody counterweight: A total of 2, total weight of 20t (10t × 2); Rear counterweight self-assembly device is offered as optional.

### Upperworks

- High-strength steel weld framework, with no torsion or deformation. The parts are laid out in the way that is easier for maintenance and service.

## Product Specification



### Lowerworks

- Independent travel driving units are adopted for each side of the crawler, to realize straight walking and turning driven by travel motor through gearbox and drive wheel.

### Crawler Tightening

- The jack is used to push the guide wheel and insert the shim to adjust crawler tension.

### Track Pad

- High strength alloy cast steel track pad ensure long service life;
- They are 950mm wide with a quantity of 64 pads x 2.

### Operating Equipment

- All chords are high-strength steel tubes, and the boom/jib top sheaves are made of high-strength anti-wearing Nylon material protecting wire rope. The hooks are installed with milled welded steel sheave.

### Boom

- Lattice structure. The chord adopts high-strength structural tube and each section is connected through pins;
- Basic boom: 8m boom base + 8m boom top;
- Boom insert: 3m×1, 6m×2, 9m×5;
- Boom length: 16m~76m.

### Fixed Jib

- Lattice structure. The chord adopts high-strength structural tube and each section is connected through pins;
- Basic jib: 5m jib base +3m insert +5m jib top;
- Jib insert: 6m×3;
- Fixed jib: 13m~31m;
- Longest boom + jib: 64m +31m.

### Extension Jib

- The welding structure is connected with main boom through hinge pin, and used for aux. hook operation;
- Length of extension boom: 2.7m.

### Hook Block

- 150t hook, 7 pulleys;
- 80t hook, 3 pulleys;
- 35t hook, 1 pulley;
- 13.5t ball hook.



## Safety Device

### Assembly/Work Mode Control Switch

- Under the assembly mode, over-hoist limit switch, crane boom limit device and load moment limiter do not work, so as to facilitate the installation of crane;
- All safety limit devices work in the work mode.

### Emergency Stop

- In emergent situation, this button is pressed down to cut off the power supply of whole machine and all actions stop.

### Load Moment Limiter (LMI)

- It is an independent computerized safety control system. LMI can automatically detect the load weight, work radius and boom angle, and present on the display the rated load, actual load, work radius and boom angle. In normal operation, the LML can make a judgment and cut off automatically if the crane moves towards dangerous direction. It can also perform as a black box to record the lifting information;
- It is composed of monitor, angle sensor and force sensor and other parts.

### Over-hoist Limit Switch of Main/Auxiliary Hooks

- Over-hoist protection device comprises of limit switch and weight on boom top, which prevents the hook lifting up too much;
- When the hook lifts up to the limit height, the limit switch activates, buzzer on the left control panel sends alarm, failure indicator light starts to flash, and the hook hoisting action is cut off automatically, cut off automatically.

### Over-release Limit Switch of Main/Auxiliary Hooks

- It is comprised of activator in the drum and proximity switch to prevent over release of wire rope. When the rope is paid out close to the last three wraps, the limit switch acts, and the system sends alarm through buzzer and show the alarm on the instrument panel, automatically cutting off the winch action.

### Function Lock Lever

- If the function lock level is not in work position, all the other handles won't work, which prevents any mis-operation caused by accidental collision.

### Boom Hoist Drum Lock

- Pawl lock is used on boom hoist winch, which needs to unlock by switch before operation, in order to prevent mis-operation of handles and ensure safety during nonwork time.

### Swing Lock Device

- Swing Lock can lock the machine at four positions, front and back, left and right.

### Boom Limit Device

- When the boom elevation angle reaches the max. set limit, the buzzer sounds and boom action cut off. This protection is two-stage control ensured by both LML system and travel switch.

### Back-stop Device

- Its major components are nesting tubes and spring, in order to buffer the boom backlash and prevent further tipping back.

### Boom Angle Indicator

- Pendulum angle indicator is fixed on the side of boom base close to the cab, so as to provide convenience to the operator.

### Hook Latch

- The hook is provided with a baffle to prevent wire rope from falling off.

## Safety Device



### Lightning Protection Device

- It is offered as an optional feature, which includes the grounding device that can effectively protect the electric system elements and workers from lightning.

### Tri-color Load Indicator

- The load indication light has three colors, green, yellow and red, and the real time load status is presented on the display. When the actual load is smaller than 90% of rated load, the green light is on;
- When the actual load is larger than 90% and smaller than 100%, the yellow light is on, the alarm light flashes and sends out intermittent sirens;
- When the actual load reaches 100% of rated load, the red light is on, the alarm light flashes and sends out continuous sirens;
- When the actual load reaches 102% of rated load, the system will automatically cut off the crane operation in dangerous trend.

### Audio-visual Alarm

- When the engine is working, the light flashes; when the machine is traveling or swinging, it sends out sirens.

### Swing Indicator Light

- The swing indicator light flashes during traveling or swing.

### Illuminating Light

- The machine is equipped with the low beam light and high beam light at the front of the cab, illumination light at cab, and other night lights, boom lights to improve the visibility during construction.

### Rearview Mirror

- Separately set on the left front of the cab and on the handrail at the front of right sheet metal, so as to monitor the rear part of machine.

### Pharos

- Pharos is mounted on the top of boom/jib to indicate the height.

### Anemometer

- It is mounted on the top of boom/jib, and displayed on the monitor in the cab.

### Electronic Level Indicator

- It displays the tipping angle of crane on the monitor in real time, protecting the machine from dangerous situation;
- Put down the function lock lever on the left side of cab seat or if the operator leaves the seat, all control levers will be deactivated to prevent any mis-operation due to accidental collision.

### Engine Power Limit Load Adjustment and Stalling Protection

- The controller monitors the engine power to prevent engine getting stuck and stalling.

### Engine Status Monitoring

- The engine status will be presented, such as engine coolant temperature, fuel volume, total work hours, engine oil pressure, engine speed, battery charging, voltage.



**SCC1500A-1**  
**SANY CRAWLER CRANE**  
**150 TONS LIFTING CAPACITY**

QUALITY CHANGES THE WORLD

## Technical Parameters

- Page 10 Major Performance Specifications
- Page 11 Outline Dimension
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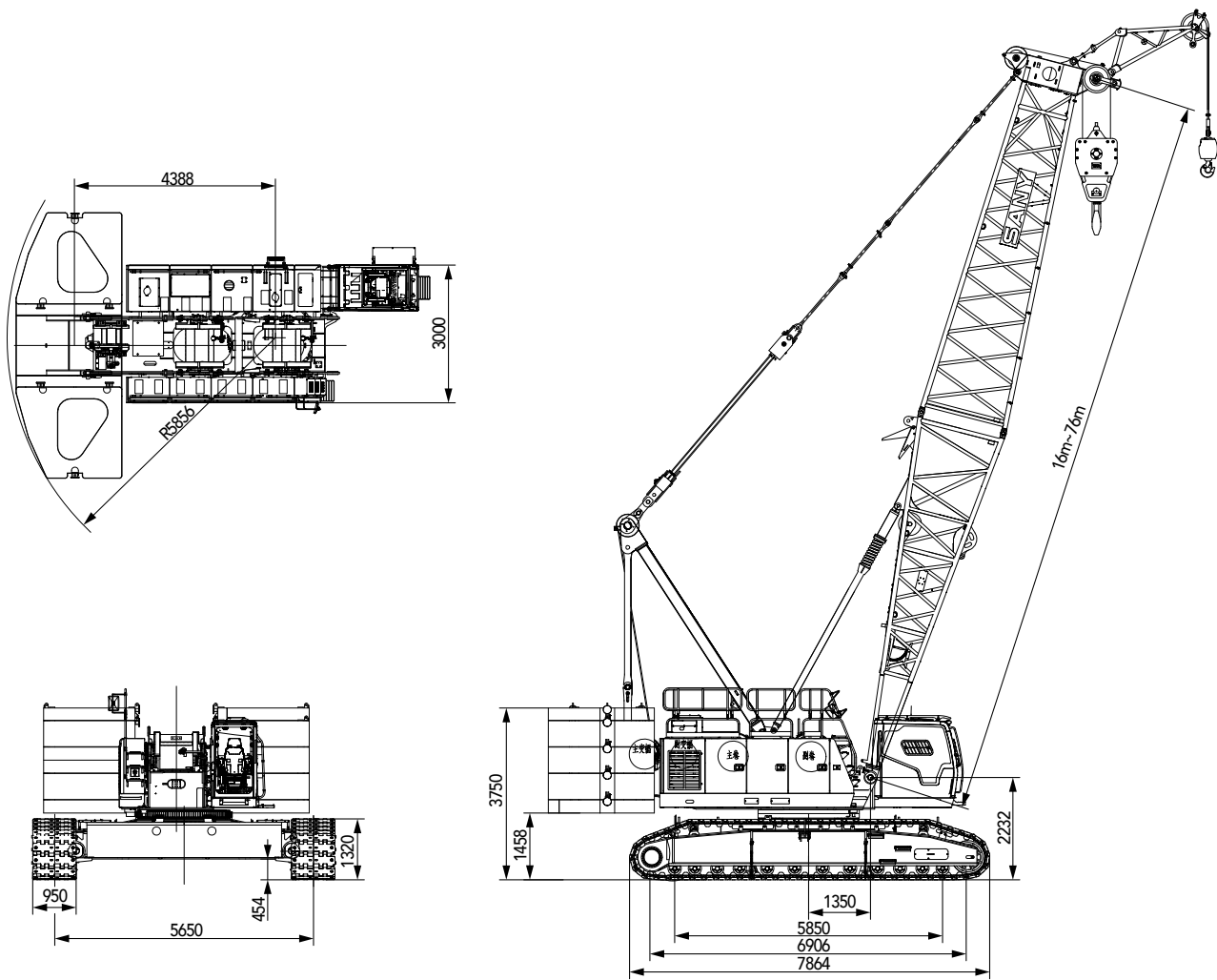


## Major Performance Specifications

| Major Performance & Specifications of SCC1500A-1 |                                                                                            |       |                 |
|--------------------------------------------------|--------------------------------------------------------------------------------------------|-------|-----------------|
| Performance Indicators                           |                                                                                            | Unit  | Parameter       |
| Boom configuration                               | Maximum rated lifting capacity                                                             | t     | 150             |
|                                                  | Maximum rated lifting moment                                                               | t·m   | 840(=140x6)     |
|                                                  | Boom length                                                                                | m     | 16~76           |
| Fixed jib configuration                          | Maximum rated lifting capacity                                                             | t     | 30              |
|                                                  | Jib length                                                                                 | m     | 13~31           |
|                                                  | Longest main boom + jib                                                                    | m     | 64+31           |
| Operation speed                                  | Rope speed of main/aux. load hoist (5th layer)                                             | m/min | 0~156           |
|                                                  | Boom hoist winch rope speed (5th layer)                                                    | m/min | 0~78            |
|                                                  | Slewing speed                                                                              | rpm   | 0~1.2           |
|                                                  | Travelling speed                                                                           | km/h  | 0~1.3           |
| Engine                                           | Output power                                                                               | kW    | 242             |
|                                                  | Rated speed                                                                                | rpm   | 2100            |
| Transport parameter                              | Max. transport weight of basic machine (with standard regular counterweight and boom base) | t     | 36.7            |
|                                                  | Maximum transport dimension of basic machine (L x W x H, mm)                               | mm    | 16110x3000x3250 |
| Other parameters                                 | Average ground bearing pressure                                                            | MPa   | 0.118           |
|                                                  | Grade ability                                                                              | %     | 30              |

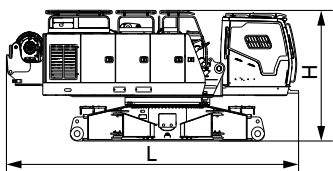
Unit: mm

Outline Dimension



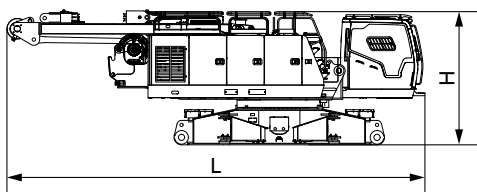
Note: this is standard offering without self-assembly counterweight

## Transportation Dimensions



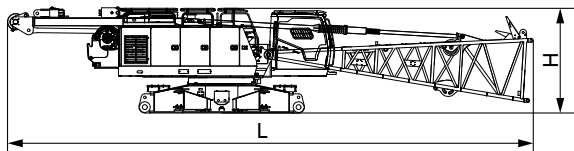
### Basic Machine (1) ×1

|           |       |
|-----------|-------|
| Length(L) | 7.62m |
| Width(W)  | 3.00m |
| Height(H) | 3.15m |
| Weight    | 29.9t |



### Basic Machine (2) ×1

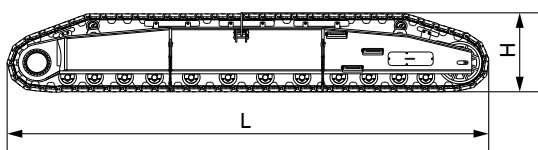
|           |        |
|-----------|--------|
| Length(L) | 10.70m |
| Width(W)  | 3.00m  |
| Height(H) | 3.25m  |
| Weight    | 32.9t  |



### Basic Machine (3) ×1

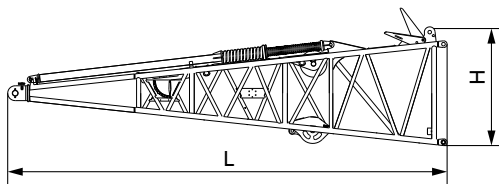
|           |        |
|-----------|--------|
| Length(L) | 16.11m |
| Width(W)  | 3.00m  |
| Height(H) | 3.25m  |
| Weight    | 36.7t  |

Note: the above three modes are all with regular counterweight for standard offering.



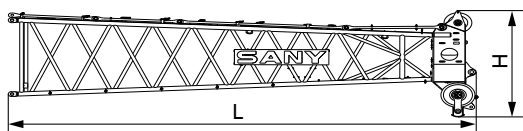
### Crawler Assembly ×2

|           |       |
|-----------|-------|
| Length(L) | 7.86m |
| Width(W)  | 1.32m |
| Height(H) | 1.32m |
| Weight    | 14.4t |



### Boom Base ×1

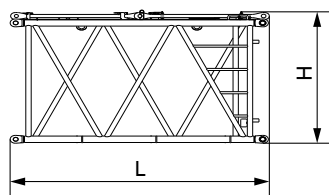
|           |       |
|-----------|-------|
| Length(L) | 8.21m |
| Width(W)  | 2.23m |
| Height(H) | 2.24m |
| Weight    | 3.81t |



### Boom Top ×1

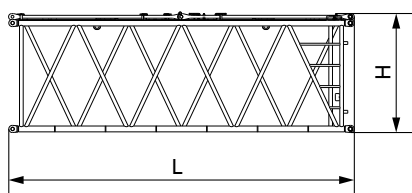
|           |       |
|-----------|-------|
| Length(L) | 8.51m |
| Width(W)  | 2.11m |
| Height(H) | 2.33m |
| Weight    | 2.58t |

## Transportation Dimensions



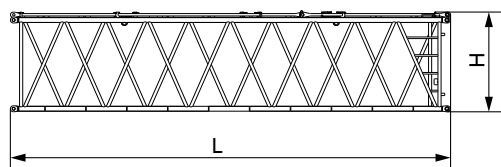
### 3m Boom insert × 1

|           |       |
|-----------|-------|
| Length(L) | 3.14m |
| Width(W)  | 2.21m |
| Height(H) | 2.08m |
| Weight    | 0.63t |



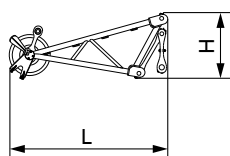
### 6m Boom insert × 2

|           |       |
|-----------|-------|
| Length(L) | 6.14m |
| Width(W)  | 2.21m |
| Height(H) | 2.08m |
| Weight    | 1.06t |



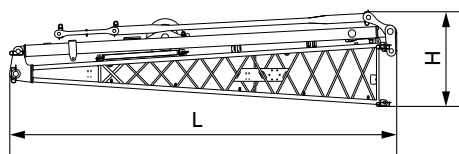
### 9m Boom insert × 5

|           |       |
|-----------|-------|
| Length(L) | 9.14m |
| Width(W)  | 2.21m |
| Height(H) | 2.08m |
| Weight    | 1.74t |



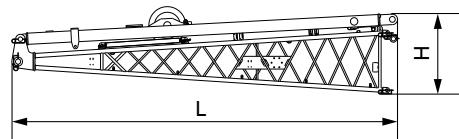
### Extension jib × 1

|           |       |
|-----------|-------|
| Length(L) | 2.36m |
| Width(W)  | 1.04m |
| Height(H) | 0.98m |
| Weight    | 0.3t  |



### Fixed jib base (with strut and tapered pendant strap) × 1

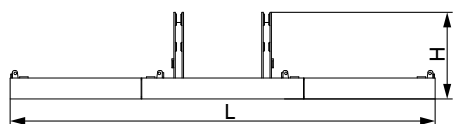
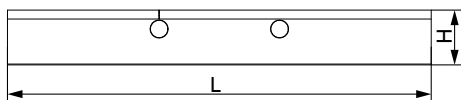
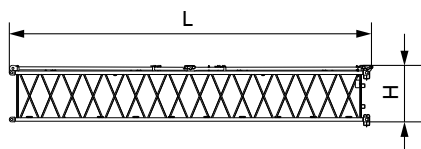
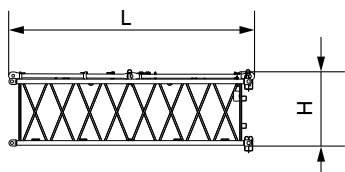
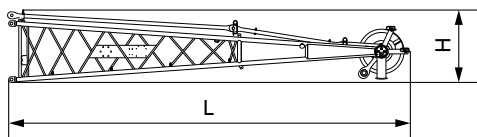
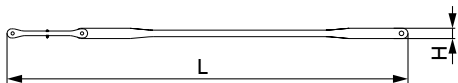
|           |       |
|-----------|-------|
| Length(L) | 5.25m |
| Width(W)  | 2.06m |
| Height(H) | 1.45m |
| Weight    | 0.87t |



### Fixed jib base (with strut but no tapered pendant strap) × 1

|           |       |
|-----------|-------|
| Length(L) | 5.25m |
| Width(W)  | 1.19m |
| Height(H) | 1.30m |
| Weight    | 0.71t |

## Transport Dimensions



### Tapered Pendant Strap

×1

|           |       |
|-----------|-------|
| Length(L) | 4.33m |
| Width(W)  | 2.06m |
| Height(H) | 0.11m |
| Weight    | 0.16t |

### Fixed jib top

×1

|           |       |
|-----------|-------|
| Length(L) | 5.43m |
| Width(W)  | 1.01m |
| Height(H) | 0.99m |
| Weight    | 0.53t |

### 3m fixed jib insert

×1

|           |       |
|-----------|-------|
| Length(L) | 3.12m |
| Width(W)  | 1.02m |
| Height(H) | 0.92m |
| Weight    | 0.19t |

### 6m fixed jib insert

×3

|           |       |
|-----------|-------|
| Length(L) | 6.12m |
| Width(W)  | 1.02m |
| Height(H) | 0.92m |
| Weight    | 0.34t |

### Carbody Counterweight

×2

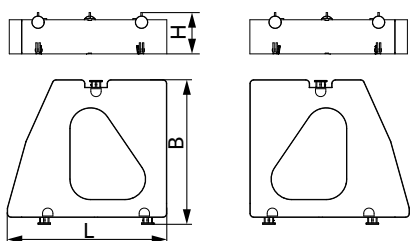
|           |       |
|-----------|-------|
| Length(L) | 4.25m |
| Width(W)  | 1.5m  |
| Height(H) | 0.55m |
| Weight    | 10t   |

### Counterweight tray (regular counterweight for standard offering)

×1

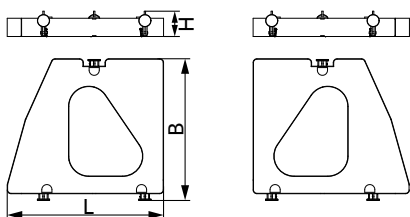
|           |       |
|-----------|-------|
| Length(L) | 5.8m  |
| Width(W)  | 2.31m |
| Height(H) | 1.18m |
| Weight    | 12.7t |

## Transportation Dimensions



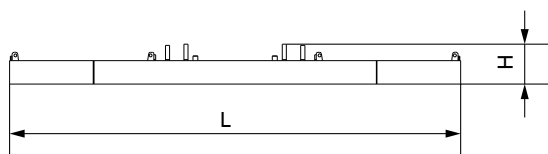
### Counterweight block 1 (regular counterweight for standard offering) (1+1) × 3

|           |       |
|-----------|-------|
| Length(L) | 2.31m |
| Width(W)  | 2.09m |
| Height(H) | 0.59m |
| Weight    | 7.1t  |



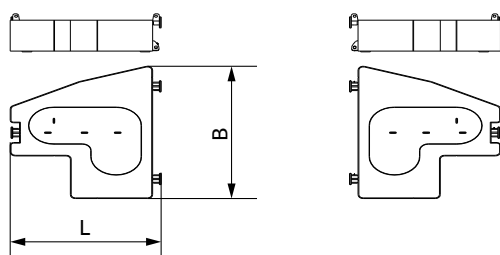
### Counterweight block 2 (regular counterweight for standard offering) 1+1

|           |       |
|-----------|-------|
| Length(L) | 2.31m |
| Width(W)  | 2.09m |
| Height(H) | 0.37m |
| Weight    | 3t    |



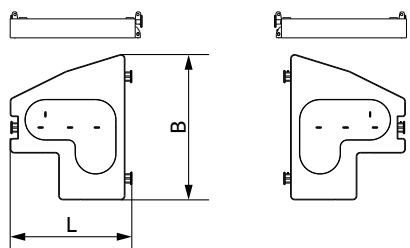
### Counterweight tray (self-assembly for optional offering) × 1

|           |       |
|-----------|-------|
| Length(L) | 5.8m  |
| Width(W)  | 2.31m |
| Height(H) | 0.5m  |
| Weight    | 12t   |



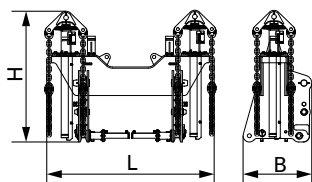
### Counterweight block 1 (self-assembly for optional offering) (1+1) × 4

|           |       |
|-----------|-------|
| Length(L) | 1.93m |
| Width(W)  | 2.28m |
| Height(H) | 0.60m |
| Weight    | 5.25t |



### Counterweight block 2 (self-assembly for optional offering) 1+1

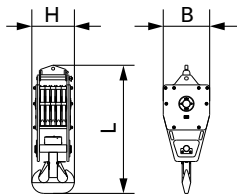
|           |       |
|-----------|-------|
| Length(L) | 1.93m |
| Width(W)  | 2.28m |
| Height(H) | 0.38m |
| Weight    | 3t    |



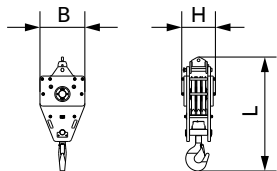
### Counterweight Cylinder, Bracket, Chain (self-assembly for optional offering) 1

|           |       |
|-----------|-------|
| Length(L) | 2.15m |
| Width(W)  | 0.88m |
| Height(H) | 1.68m |
| Weight    | 2.1t  |

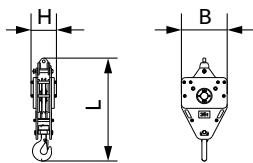
Transport Dimensions



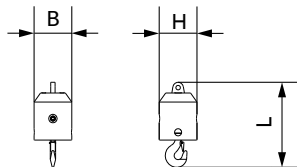
| 150t Hook | ×1    |
|-----------|-------|
| Length(L) | 2.45m |
| Width(W)  | 0.91m |
| Height(H) | 0.95m |
| Weight    | 2.91t |



| 80t Hook  | ×1    |
|-----------|-------|
| Length(L) | 2.13m |
| Width(W)  | 0.82m |
| Height(H) | 0.62m |
| Weight    | 1.64t |



| 35t Hook  | ×1    |
|-----------|-------|
| Length(L) | 1.88m |
| Width(W)  | 0.82m |
| Height(H) | 0.46m |
| Weight    | 1.11t |



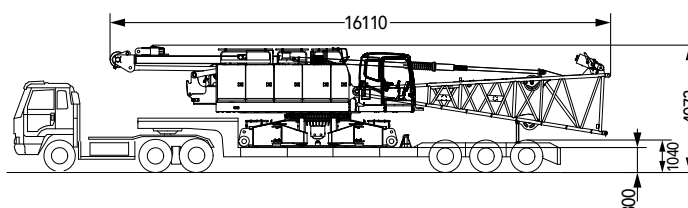
| 13.5t Ball hook | ×1    |
|-----------------|-------|
| Length(L)       | 0.95m |
| Width(W)        | 0.43m |
| Height(H)       | 0.43m |
| Weight          | 0.45t |

Remarks:  
1.The transport dimensions for the parts are for reference that do not draw to the scale. The dimensions listed above are deisnged values excluding packing.  
2.Weight is design values. It maybe different due to manufacturing tolerances.

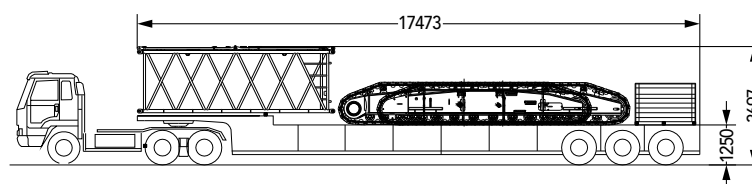
## Transport Plan

### Transport with crawler frame

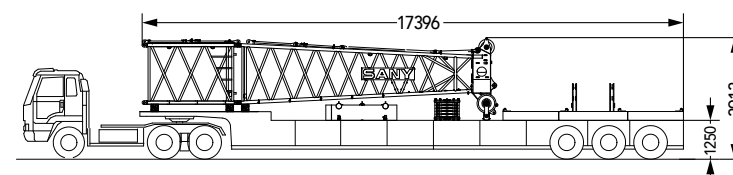
|                     |                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Transport cart 1    |                                                                                                                                     |
| Components included | <ul style="list-style-type: none"> <li>Basic machine (3 winches, carbody, outrigger, A-frame, all wire ropes), boom base</li> </ul> |
| Transport weight    | 36.7t                                                                                                                               |



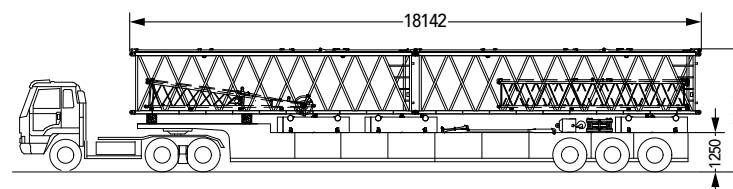
|                     |                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Transport cart 2    |                                                                                                                                   |
| Components included | <ul style="list-style-type: none"> <li>Crawler frame*2: 28.8t</li> <li>6m boom insert: 1.06t</li> <li>Packing Case: 1t</li> </ul> |
| Transport weight    | 30.86t                                                                                                                            |



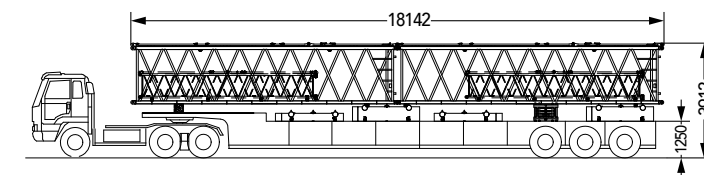
|                     |                                                                                                                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transport cart 3    |                                                                                                                                                                                                               |
| Components included | <ul style="list-style-type: none"> <li>Counterweight tray: 12.7t</li> <li>Rear counterweight block 1x1: 7.1t</li> <li>Boom top: 2.58t</li> <li>3m boom insert x1 : 0.63t</li> <li>150t hook: 2.91t</li> </ul> |
| Transport weight    | 26.08t                                                                                                                                                                                                        |



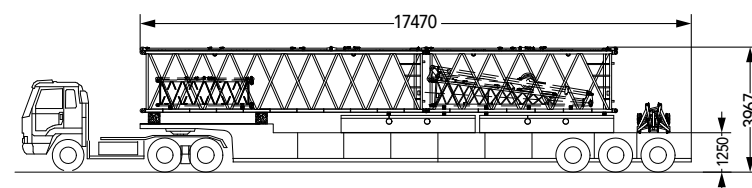
|                     |                                                                                                                                                                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transport cart 4    |                                                                                                                                                                                                                                                                                   |
| Components included | <ul style="list-style-type: none"> <li>Rear counterweight block 1x3: 21.3t</li> <li>9m boom insert x 2: 3.48t</li> <li>6m fixed jib top: 0.34t</li> <li>Fixed jib top: 0.53t</li> <li>Tapered pendant strap: 0.16t</li> <li>35T hook: 1.11t</li> <li>13.5T hook: 0.45t</li> </ul> |
| Transport weight    | 27.37t                                                                                                                                                                                                                                                                            |



|                     |                                                                                                                                                                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transport cart 5    |                                                                                                                                                                                                                                    |
| Components included | <ul style="list-style-type: none"> <li>Rear counterweight block 1x2: 14.2t</li> <li>Rear counterweight block 2x2: 6t</li> <li>9m boom insert x 2: 3.48t</li> <li>6m fixed jib insert x2: 0.68t</li> <li>80T hook: 1.64t</li> </ul> |
| Transport weight    | 26t                                                                                                                                                                                                                                |



|                     |                                                                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transport cart 6    |                                                                                                                                                                                                                                       |
| Components included | <ul style="list-style-type: none"> <li>Carbody counterweight *2: 20t</li> <li>9 m main boom: 1.74t</li> <li>6 m main boom: 1.06t</li> <li>Fixed jib base: 0.84t</li> <li>3 m fixed jib: 0.19t</li> <li>Extension jib: 0.3t</li> </ul> |
| Transport weight    | 24.13t                                                                                                                                                                                                                                |



Note: this is regular counterweight for standard offering.



**SCC1500A-1**  
**SANY CRAWLER CRANE**  
**150 TONS LIFTING CAPACITY**

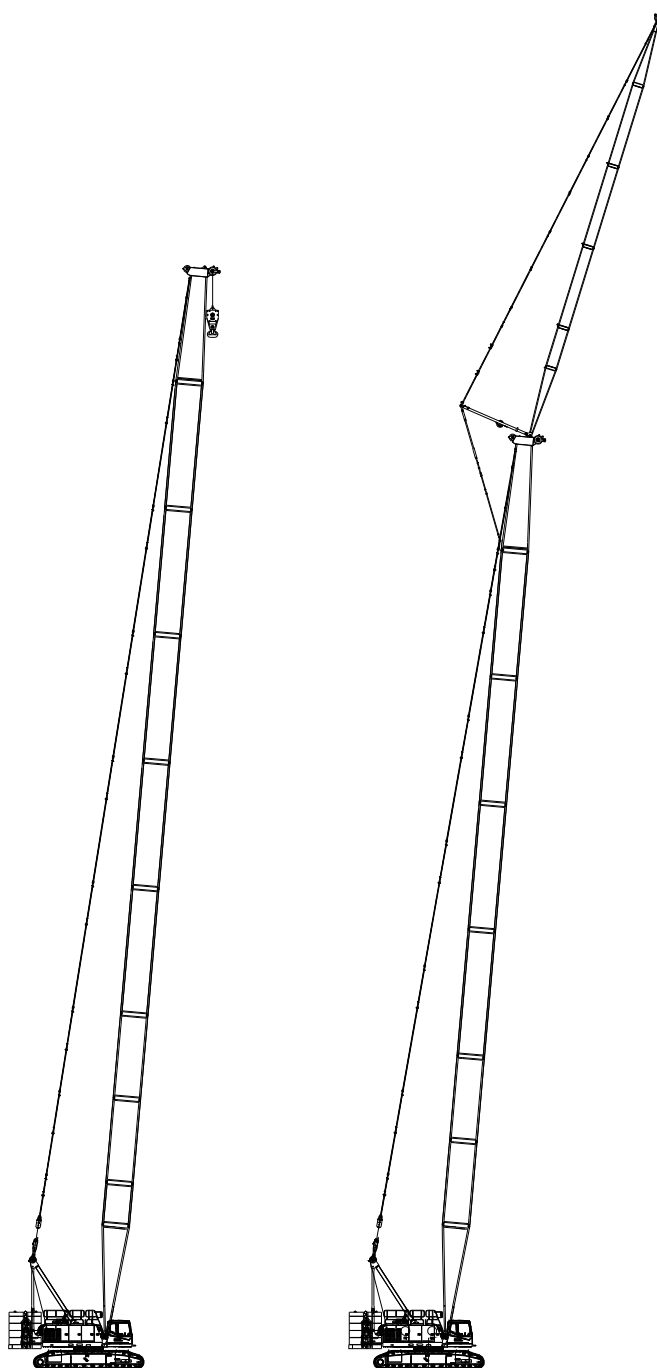
QUALITY CHANGES THE WORLD

## Cofigurations

- Page 20 H Configuration
- Page 24 FJ Configuration

> 18

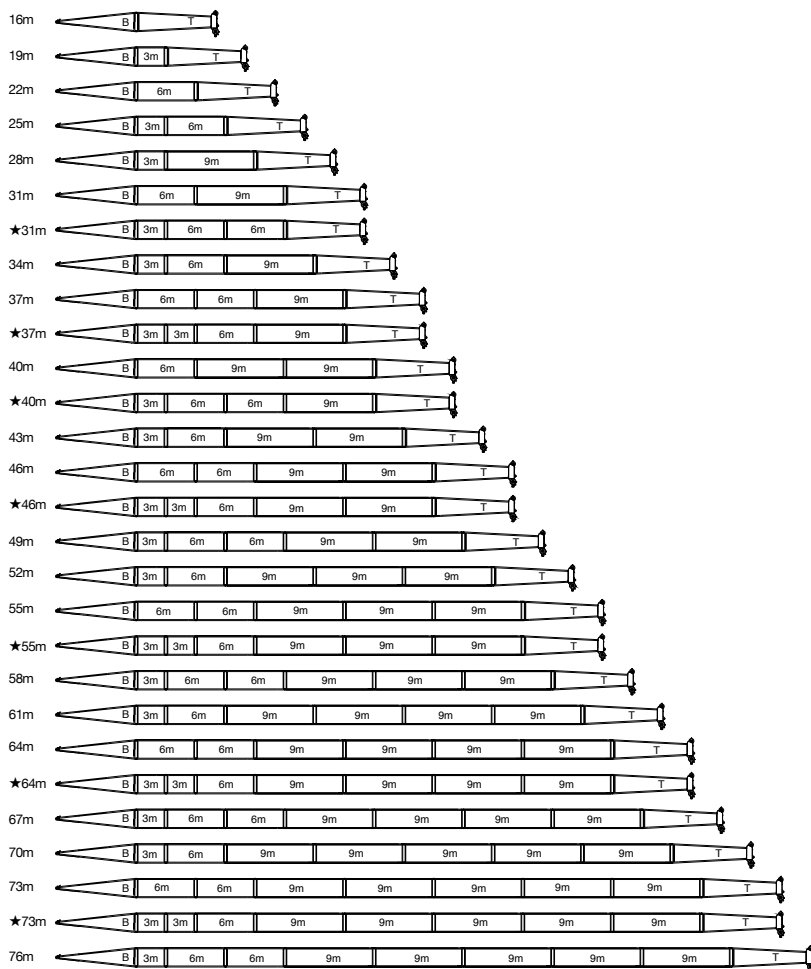
## Boom Combination



H configuration  
( 76m )

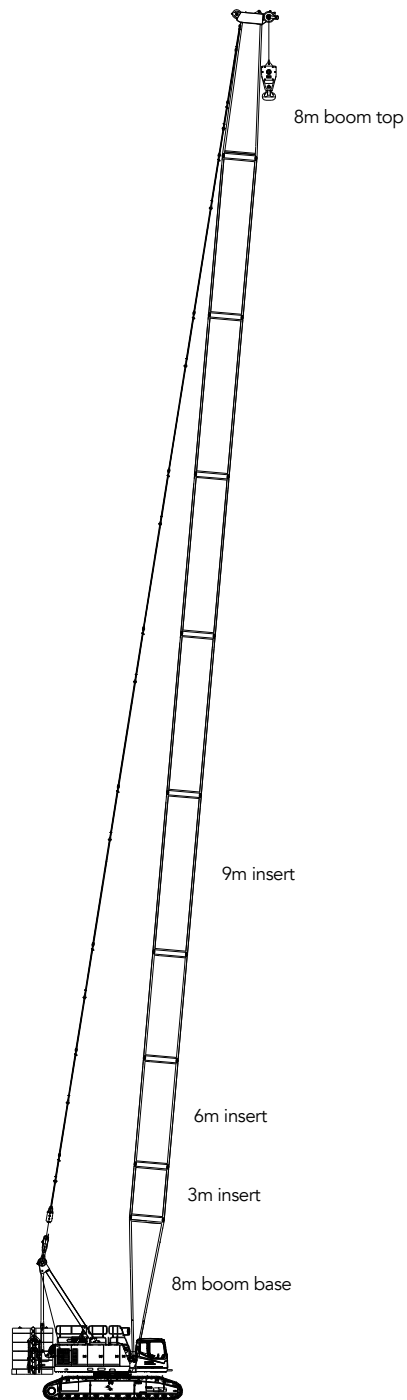
FJ configuration  
( 64m+31m )

## H Configuration



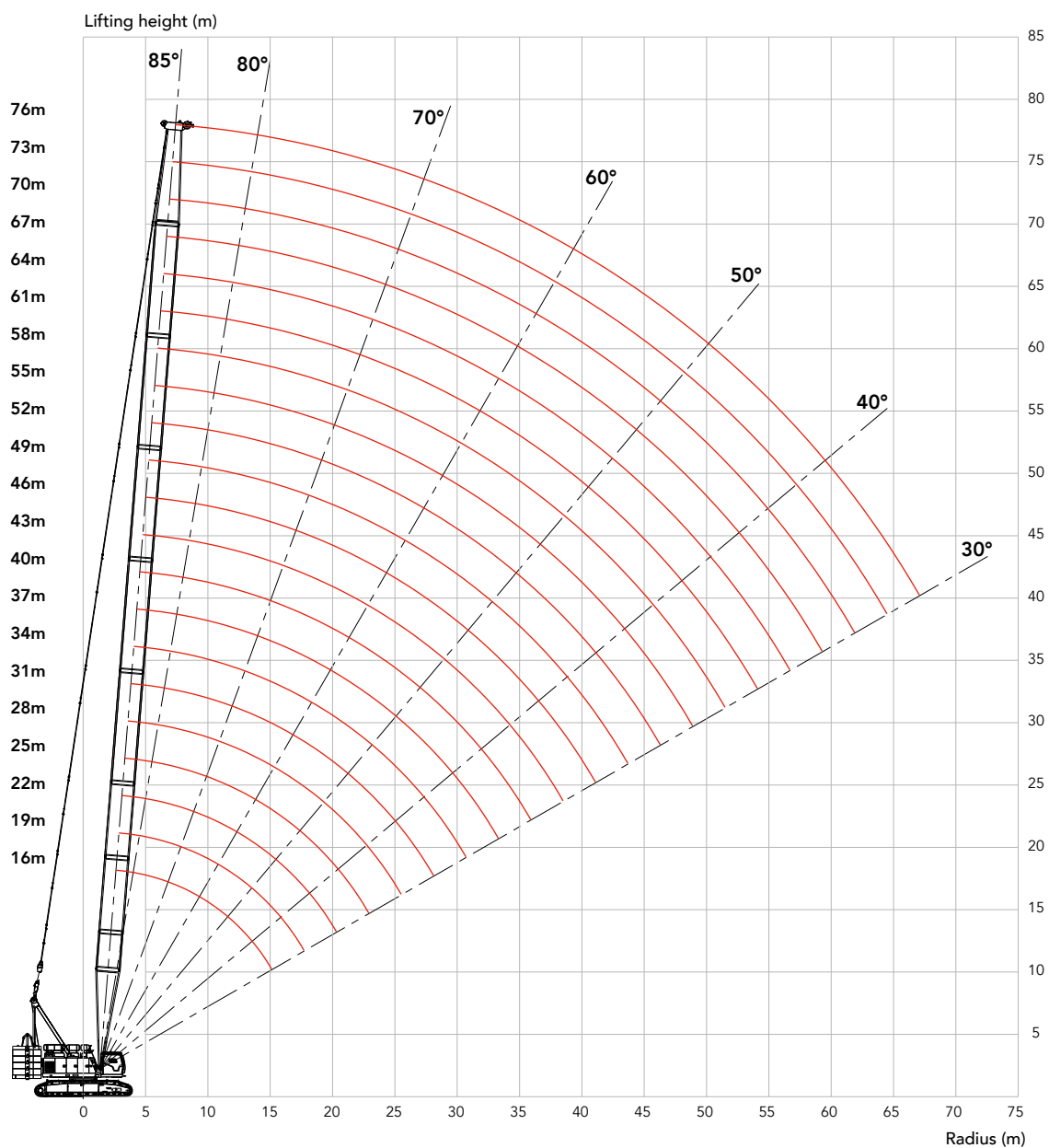
Note: ★ means recommended boom combination.

|  |    |             |
|--|----|-------------|
|  | 8m | Boom base   |
|  | 8m | Boom top    |
|  | 3m | Insert Boom |
|  | 6m | Insert Boom |
|  | 9m | Insert Boom |



H Working Condition of main  
boom: 16m~76m

## H Working Radius



## H Load Chart

- Note:
- 1.The rated load in the load chart is calculated complying with EN 13000;
  - 2.The working radius is the horizontal distance from the load center to the swing center;
  - 3.The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart.
  - 4.The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed.
  - 5.All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

### SCC1500A-1 crawler crane – H load chart

|                               | Main hook, main boom is 16~76m, without extension jib |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                               |    |
|-------------------------------|-------------------------------------------------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------------------|----|
| Boom length/<br>radius<br>(m) | 16                                                    | 19    | 22    | 25    | 28    | 31    | 34    | 37   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 61   | 64   | 67   | 70   | 73   | 76   | Boom length/<br>radius<br>(m) |    |
| 5                             | 150.0                                                 | 146.0 | 141.0 |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 5                             |    |
| 6                             | 140.0                                                 | 136.0 | 133.0 | 131.0 | 126.0 | 115.0 |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 6                             |    |
| 7                             | 118.0                                                 | 117.0 | 117.0 | 116.0 | 112.0 | 108.5 | 103.4 | 93.7 | 85.8 |      |      |      |      |      |      |      |      |      |      |      |      | 7                             |    |
| 8                             | 101.0                                                 | 100.3 | 99.7  | 98.5  | 95.6  | 92.8  | 90.1  | 87.6 | 82.6 | 73.1 | 69.8 | 65.2 |      |      |      |      |      |      |      |      |      | 8                             |    |
| 9                             | 84.5                                                  | 84.0  | 83.5  | 83.0  | 82.6  | 81.0  | 78.9  | 76.9 | 74.9 | 71.3 | 67.8 | 63.3 | 59.9 | 56.6 | 52.2 |      |      |      |      |      |      | 9                             |    |
| 10                            | 72.6                                                  | 72.1  | 71.8  | 71.4  | 71.0  | 70.6  | 70.0  | 68.3 | 66.7 | 65.2 | 63.7 | 59.9 | 56.6 | 54.3 | 49.8 | 48.2 | 45.1 | 40.1 |      |      |      | 10                            |    |
| 12                            | 56.4                                                  | 56.1  | 55.8  | 55.5  | 55.2  | 54.9  | 54.6  | 54.3 | 54.0 | 53.4 | 52.3 | 51.2 | 50.2 | 49.1 | 48.1 | 46.9 | 43.9 | 38.9 | 36.5 | 34.2 | 31.3 | 12                            |    |
| 14                            | 46.0                                                  | 45.7  | 45.5  | 45.2  | 45.0  | 44.7  | 44.5  | 44.2 | 44.0 | 43.7 | 43.5 | 43.2 | 42.4 | 41.6 | 40.8 | 40.0 | 39.2 | 36.5 | 35.1 | 33.6 | 30.4 | 14                            |    |
| 16                            |                                                       | 38.5  | 38.3  | 38.0  | 37.8  | 37.6  | 37.4  | 37.1 | 36.9 | 36.7 | 36.5 | 36.2 | 36.0 | 35.8 | 35.2 | 34.5 | 33.9 | 33.2 | 32.6 | 31.9 | 29.3 | 16                            |    |
| 18                            |                                                       | 33.1  | 32.9  | 32.7  | 32.5  | 32.3  | 32.1  | 31.9 | 31.7 | 31.4 | 31.2 | 31.0 | 30.8 | 30.6 | 30.4 | 30.2 | 29.6 | 29.1 | 28.5 | 27.9 | 27.4 | 18                            |    |
| 20                            |                                                       |       | 28.8  | 28.6  | 28.4  | 28.2  | 28.0  | 27.8 | 27.6 | 27.4 | 27.2 | 27.0 | 26.8 | 26.6 | 26.4 | 26.2 | 26.0 | 25.7 | 25.2 | 24.7 | 24.1 | 20                            |    |
| 22                            |                                                       |       |       | 25.4  | 25.2  | 25.0  | 24.8  | 24.6 | 24.4 | 24.2 | 24.0 | 23.8 | 23.6 | 23.4 | 23.2 | 23.0 | 22.8 | 22.6 | 22.4 | 22.0 | 21.5 | 22                            |    |
| 24                            |                                                       |       |       |       | 22.5  | 22.4  | 22.2  | 22.0 | 21.8 | 21.6 | 21.4 | 21.2 | 21.0 | 20.8 | 20.6 | 20.4 | 20.2 | 20.0 | 19.8 | 19.6 | 19.2 | 24                            |    |
| 26                            |                                                       |       |       |       | 20.4  | 20.2  | 20.0  | 19.8 | 19.6 | 19.4 | 19.2 | 19.0 | 18.8 | 18.6 | 18.4 | 18.3 | 18.1 | 17.9 | 17.7 | 17.5 | 17.3 | 26                            |    |
| 28                            |                                                       |       |       |       |       | 18.3  | 18.1  | 18.0 | 17.8 | 17.6 | 17.4 | 17.2 | 17.0 | 16.8 | 16.6 | 16.4 | 16.2 | 16.0 | 15.9 | 15.7 | 15.5 | 28                            |    |
| 30                            |                                                       |       |       |       |       |       | 16.6  | 16.4 | 16.2 | 16.0 | 15.8 | 15.6 | 15.4 | 15.3 | 15.1 | 14.9 | 14.7 | 14.5 | 14.3 | 14.1 | 13.9 | 30                            |    |
| 32                            |                                                       |       |       |       |       |       |       | 15.0 | 14.9 | 14.6 | 14.5 | 14.3 | 14.1 | 13.9 | 13.7 | 13.5 | 13.3 | 13.1 | 13.0 | 12.8 | 12.6 | 32                            |    |
| 34                            |                                                       |       |       |       |       |       |       |      | 13.7 | 13.5 | 13.3 | 13.1 | 12.9 | 12.7 | 12.5 | 12.3 | 12.2 | 12.0 | 11.8 | 11.6 | 11.4 | 34                            |    |
| 36                            |                                                       |       |       |       |       |       |       |      | 12.6 | 12.4 | 12.2 | 12.0 | 11.9 | 11.7 | 11.5 | 11.3 | 11.1 | 10.9 | 10.7 | 10.6 | 10.4 | 36                            |    |
| 38                            |                                                       |       |       |       |       |       |       |      |      | 11.5 | 11.3 | 11.1 | 10.9 | 10.8 | 10.6 | 10.4 | 10.2 | 10.0 | 9.8  | 9.6  | 9.4  | 38                            |    |
| 40                            |                                                       |       |       |       |       |       |       |      |      |      | 10.5 | 10.3 | 10.1 | 9.9  | 9.7  | 9.6  | 9.4  | 9.2  | 9.0  | 8.8  | 8.6  | 40                            |    |
| 42                            |                                                       |       |       |       |       |       |       |      |      |      |      | 9.5  | 9.4  | 9.2  | 9.0  | 8.8  | 8.6  | 8.4  | 8.3  | 8.1  | 7.9  | 42                            |    |
| 44                            |                                                       |       |       |       |       |       |       |      |      |      |      |      | 8.9  | 8.7  | 8.5  | 8.3  | 8.1  | 8.0  | 7.8  | 7.6  | 7.4  | 44                            |    |
| 46                            |                                                       |       |       |       |       |       |       |      |      |      |      |      |      | 8.1  | 7.9  | 7.7  | 7.5  | 7.4  | 7.1  | 7.0  | 6.8  | 46                            |    |
| 48                            |                                                       |       |       |       |       |       |       |      |      |      |      |      |      |      | 7.3  | 7.1  | 7.0  | 6.8  | 6.6  | 6.4  | 6.2  | 48                            |    |
| 50                            |                                                       |       |       |       |       |       |       |      |      |      |      |      |      |      |      | 6.6  | 6.5  | 6.3  | 6.1  | 5.9  | 5.7  | 50                            |    |
| 52                            |                                                       |       |       |       |       |       |       |      |      |      |      |      |      |      |      | 6.2  | 6.0  | 5.8  | 5.6  | 5.4  | 5.3  | 52                            |    |
| 54                            |                                                       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      | 5.6  | 5.4  | 5.2  | 5.0  | 4.8  | 4.6                           | 54 |
| 56                            |                                                       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      | 5.0  | 4.8  | 4.6  | 4.4  | 4.2                           | 56 |
| 58                            |                                                       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      | 4.4  | 4.2  | 4.0  | 3.8                           | 58 |
| 60                            |                                                       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      | 3.9  | 3.7  | 3.4                           | 60 |
| 62                            |                                                       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      | 3.5  | 3.4  | 3.1                           | 62 |
| 64                            |                                                       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.1  | 2.6                           | 64 |
| 66                            |                                                       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2.4                           | 66 |
| Counter weight(t)             | 61.3+20                                               |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Counter weight(t)             |    |
| Parts of line                 | 13                                                    | 12    | 12    | 11    | 10    | 9     | 8     | 7    | 7    | 6    | 6    | 5    | 5    | 5    | 4    | 4    | 4    | 3    | 3    | 3    | 3    | Parts of line                 |    |

Unit: t

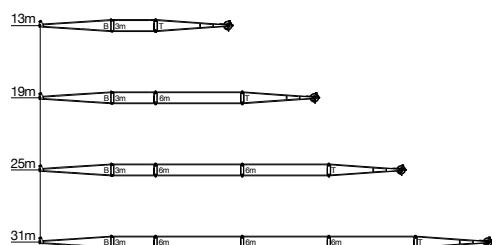
## H Load Chart

### SCC1500A-1 crawler crane – H load chart ( Less counterweight)

Main hook, boom 16-70m, Carbody counterweight 0t, No extension jib. Reduce one 7.1t block and one 3t block on each side if it is Regular counterweight; reduce two 5.25t blocks on each side if it is Self-Assembly counterweight;

| Boom length/<br>radius<br>(m) | 16                                                                  | 19   | 22   | 25   | 28   | 31   | 34   | 37   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 61   | 64   | 67   | 70   | Boom length/<br>radius<br>(m) |
|-------------------------------|---------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------------------|
| 5                             | 100.0                                                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 5                             |
| 6                             | 94.6                                                                | 90.6 | 86.2 | 82.1 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 6                             |
| 7                             | 78.7                                                                | 75.1 | 75.8 | 72.7 | 69.8 | 67.1 |      |      |      |      |      |      |      |      |      |      |      |      |      | 7                             |
| 8                             | 66.7                                                                | 63.9 | 64.9 | 62.5 | 60.2 | 58.1 | 56.1 |      |      |      |      |      |      |      |      |      |      |      |      | 8                             |
| 9                             | 57.0                                                                | 55.5 | 56.6 | 54.6 | 52.9 | 51.1 | 49.5 | 48.0 | 46.5 |      |      |      |      |      |      |      |      |      |      | 9                             |
| 10                            | 48.9                                                                | 48.5 | 50.1 | 48.5 | 47.0 | 45.6 | 44.2 | 42.8 | 41.6 | 40.4 | 39.3 |      |      |      |      |      |      |      |      | 10                            |
| 12                            | 37.9                                                                | 41.0 | 39.4 | 39.2 | 38.4 | 37.2 | 36.2 | 35.2 | 34.3 | 33.3 | 32.5 | 31.6 | 30.8 | 29.9 | 29.2 | 28.3 | 27.3 |      |      | 12                            |
| 14                            | 30.7                                                                | 33.3 | 32.0 | 31.7 | 31.5 | 31.4 | 30.5 | 29.7 | 28.9 | 28.1 | 27.5 | 26.8 | 26.0 | 25.4 | 24.7 | 24.0 | 23.4 | 22.7 | 22.1 | 14                            |
| 16                            |                                                                     | 27.9 | 26.7 | 26.5 | 26.3 | 26.1 | 25.9 | 25.6 | 24.9 | 24.2 | 23.7 | 23.0 | 22.4 | 21.9 | 21.3 | 20.7 | 20.1 | 19.6 | 19.1 | 16                            |
| 18                            |                                                                     | 23.9 | 22.8 | 22.6 | 22.4 | 22.2 | 22.0 | 21.9 | 21.7 | 21.1 | 20.6 | 20.0 | 19.6 | 19.0 | 18.5 | 18.1 | 17.5 | 17.0 | 16.5 | 18                            |
| 20                            |                                                                     |      | 19.8 | 19.6 | 19.5 | 19.2 | 19.0 | 18.8 | 18.6 | 18.4 | 18.1 | 17.7 | 17.2 | 16.7 | 16.2 | 15.8 | 15.3 | 14.8 | 14.4 | 20                            |
| 22                            |                                                                     |      |      | 17.2 | 17.0 | 16.8 | 16.6 | 16.4 | 16.2 | 16.1 | 16.0 | 15.7 | 15.2 | 14.7 | 14.4 | 14.0 | 13.5 | 13.1 | 12.7 | 22                            |
| 24                            |                                                                     |      |      |      | 15.1 | 14.9 | 14.7 | 14.5 | 14.3 | 14.2 | 14.0 | 13.8 | 13.6 | 13.1 | 12.8 | 12.4 | 12.0 | 11.6 | 11.2 | 24                            |
| 26                            |                                                                     |      |      |      |      | 13.3 | 13.1 | 12.9 | 12.7 | 12.5 | 12.4 | 12.2 | 12.0 | 11.8 | 11.4 | 11.0 | 10.6 | 10.3 | 10.0 | 26                            |
| 28                            |                                                                     |      |      |      |      | 11.9 | 11.7 | 11.5 | 11.3 | 11.1 | 11.0 | 10.8 | 10.6 | 10.5 | 10.3 | 9.9  | 9.5  | 9.1  | 8.8  | 28                            |
| 30                            |                                                                     |      |      |      |      |      | 10.5 | 10.4 | 10.2 | 10.0 | 9.9  | 9.7  | 9.5  | 9.2  | 9.1  | 8.8  | 8.5  | 8.2  | 7.9  | 30                            |
| 32                            |                                                                     |      |      |      |      |      |      | 9.3  | 9.2  | 8.9  | 8.8  | 8.6  | 8.5  | 8.3  | 8.1  | 7.9  | 7.6  | 7.2  | 6.9  | 32                            |
| 34                            |                                                                     |      |      |      |      |      |      |      | 8.3  | 8.1  | 8.0  | 7.8  | 7.6  | 7.3  | 7.2  | 7.0  | 6.8  | 6.5  | 6.2  | 34                            |
| 36                            |                                                                     |      |      |      |      |      |      |      | 7.5  | 7.3  | 7.2  | 7.0  | 6.8  | 6.6  | 6.5  | 6.3  | 6.1  | 5.7  | 5.4  | 36                            |
| 38                            |                                                                     |      |      |      |      |      |      |      |      | 6.6  | 6.5  | 6.3  | 6.1  | 5.9  | 5.8  | 5.5  | 5.3  | 5.0  | 4.8  | 38                            |
| 40                            |                                                                     |      |      |      |      |      |      |      |      |      | 5.9  | 5.7  | 5.5  | 5.2  | 5.1  | 4.9  | 4.8  | 4.5  | 4.2  | 40                            |
| 42                            |                                                                     |      |      |      |      |      |      |      |      |      |      | 5.1  | 4.9  | 4.8  | 4.6  | 4.4  | 4.2  | 3.9  | 3.6  | 42                            |
| 44                            |                                                                     |      |      |      |      |      |      |      |      |      |      |      | 4.6  | 4.5  | 4.2  | 4.1  | 3.9  | 3.7  | 3.4  | 44                            |
| 46                            |                                                                     |      |      |      |      |      |      |      |      |      |      |      |      | 4.0  | 3.7  | 3.6  | 3.4  | 3.2  | 3.0  | 46                            |
| 48                            |                                                                     |      |      |      |      |      |      |      |      |      |      |      |      |      | 3.3  | 3.2  | 2.9  | 2.8  | 2.6  | 48                            |
| 50                            |                                                                     |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2.9  | 2.6  | 2.4  | 2.2  | 50                            |
| Counter weight(t)             | 41.1+0 (Regular Counterweight)/40.3+0 (Self-Assembly Counterweight) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Counter weight(t)             |
| Parts of line                 | 8                                                                   | 7    | 7    | 7    | 6    | 6    | 5    | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 2    | 2    | Parts of line                 |

## FJ Configuration



5m

Jib base



Jib top



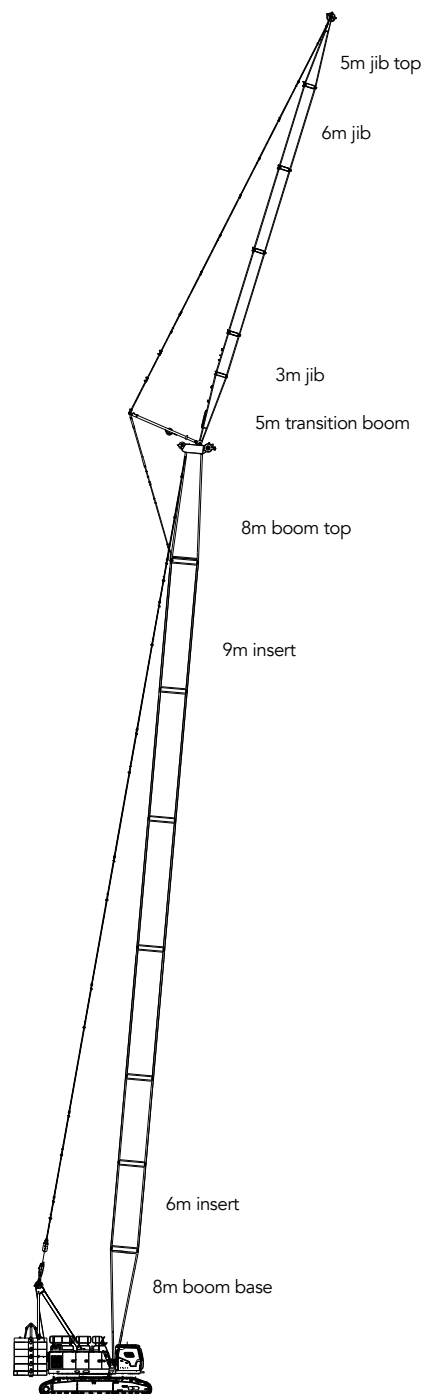
•

Jib insert



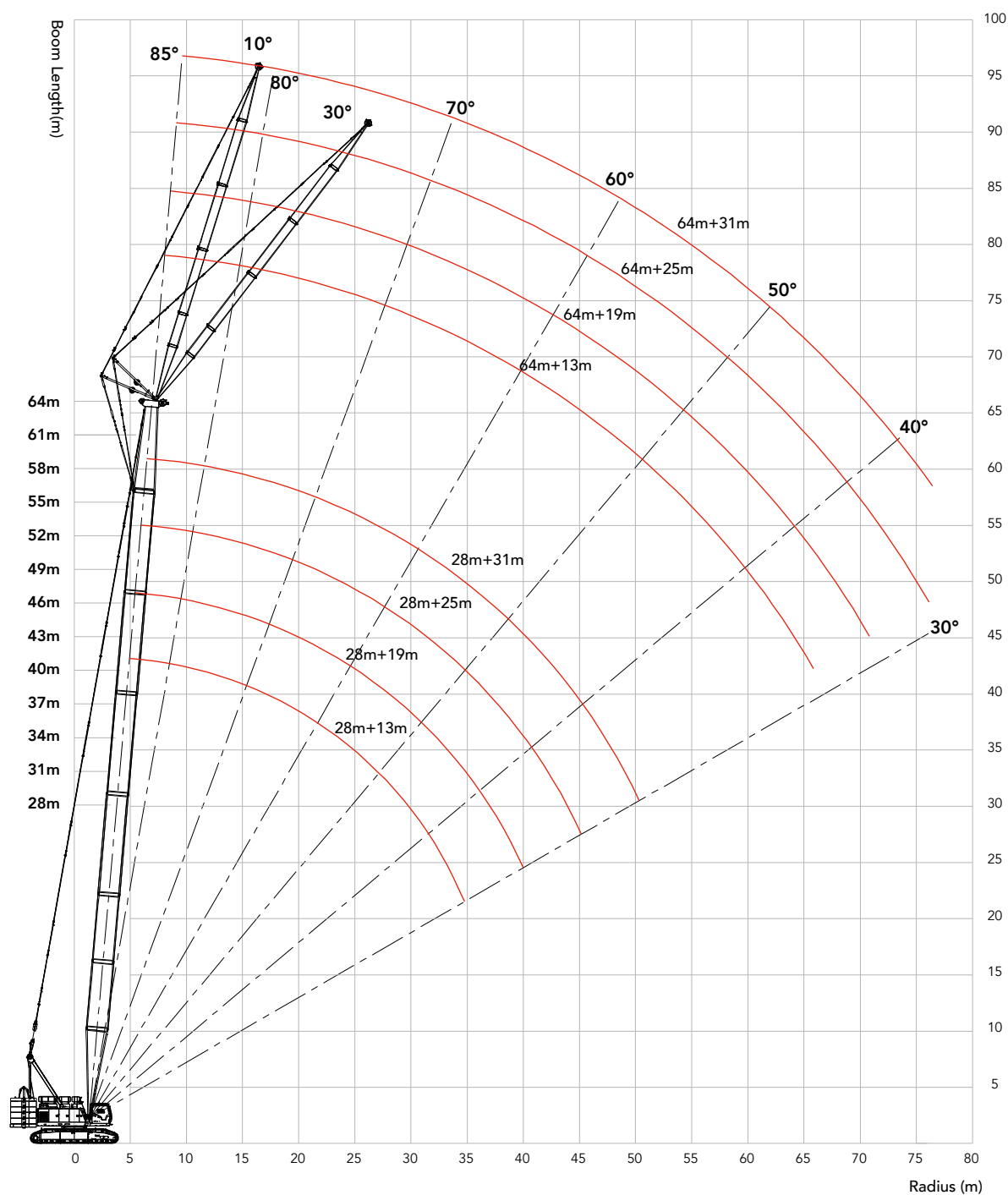
One

Jib insert



**FJ Working Condition of fixed jib  
( 28 m~ 64 m)+( 13 m~ 31 m)**

## FJ Working Radius



## FJa Load Chart

**Note:**

- 1.The rated load in the load chart is calculated complying with EN 13000;
- 2.The working radius is the horizontal distance from the load center to the swing center;
- 3.The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart.
- 4.The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed.
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

**SCC1500A-1 crawler crane -FJa working condition load chart 1/8**

| Auxiliary hook, main boom 28~64m, jib 13m, boom to jib angle 10° |         |      |      |      |      |      |      |      |      |      |      |      |      |                                    |
|------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------------|
| Jib length<br>(m)<br>Radius (m)                                  | 28      | 31   | 34   | 37   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 61   | 64   | Jib length<br>(m)<br>Radius (m)    |
| 9                                                                | 30.0    |      |      |      |      |      |      |      |      |      |      |      |      | 9                                  |
| 10                                                               | 28.8    | 27.8 | 27.3 |      |      |      |      |      |      |      |      |      |      | 10                                 |
| 12                                                               | 27.4    | 27.1 | 26.8 | 26.6 | 26.3 | 26.0 |      |      |      |      |      |      |      | 12                                 |
| 14                                                               | 26.3    | 26.4 | 26.5 | 26.5 | 26.1 | 25.8 | 25.5 | 25.2 | 24.6 | 24.2 |      |      |      | 14                                 |
| 16                                                               | 25.5    | 25.6 | 25.8 | 26.0 | 25.8 | 25.5 | 25.2 | 24.9 | 24.1 | 23.5 | 23.0 | 22.6 | 21.8 | 16                                 |
| 18                                                               | 24.7    | 24.5 | 24.9 | 25.1 | 24.9 | 24.8 | 24.4 | 24.1 | 23.4 | 22.9 | 22.4 | 22.0 | 21.1 | 18                                 |
| 20                                                               | 23.5    | 23.3 | 23.5 | 23.7 | 23.5 | 23.3 | 23.1 | 22.9 | 22.3 | 22.0 | 21.6 | 21.2 | 20.3 | 20                                 |
| 22                                                               | 22.3    | 22.0 | 21.9 | 21.8 | 21.8 | 21.6 | 21.5 | 21.2 | 21.0 | 20.7 | 20.3 | 20.2 | 19.5 | 22                                 |
| 24                                                               | 20.7    | 20.1 | 20.1 | 19.9 | 19.8 | 19.7 | 19.6 | 19.5 | 19.4 | 19.3 | 19.0 | 18.8 | 18.4 | 24                                 |
| 26                                                               | 18.9    | 18.3 | 18.3 | 18.2 | 18.0 | 17.9 | 17.8 | 17.7 | 17.6 | 17.5 | 17.3 | 17.2 | 17.0 | 26                                 |
| 28                                                               | 17.4    | 17.3 | 17.1 | 16.9 | 16.7 | 16.5 | 16.3 | 16.1 | 16.0 | 15.8 | 15.6 | 15.4 | 15.3 | 28                                 |
| 30                                                               | 15.9    | 15.8 | 15.6 | 15.4 | 15.2 | 15.0 | 14.8 | 14.7 | 14.5 | 14.3 | 14.1 | 14.0 | 13.8 | 30                                 |
| 32                                                               | 14.7    | 14.5 | 14.3 | 14.2 | 13.9 | 13.7 | 13.6 | 13.4 | 13.2 | 13.0 | 12.8 | 12.7 | 12.6 | 32                                 |
| 34                                                               | 13.5    | 13.4 | 13.2 | 13.0 | 12.8 | 12.6 | 12.4 | 12.2 | 12.1 | 11.9 | 11.7 | 11.5 | 11.4 | 34                                 |
| 36                                                               | 12.5    | 12.4 | 12.2 | 12.0 | 11.8 | 11.6 | 11.5 | 11.3 | 11.1 | 10.9 | 10.7 | 10.6 | 10.4 | 36                                 |
| 38                                                               | 11.7    | 11.5 | 11.3 | 11.2 | 10.9 | 10.7 | 10.6 | 10.4 | 10.2 | 10.0 | 9.8  | 9.7  | 9.6  | 38                                 |
| 40                                                               |         | 10.7 | 10.5 | 10.4 | 10.2 | 10.0 | 9.8  | 9.6  | 9.4  | 9.3  | 9.1  | 8.9  | 8.8  | 40                                 |
| 42                                                               |         |      | 9.8  | 9.7  | 9.4  | 9.3  | 9.1  | 8.9  | 8.7  | 8.5  | 8.4  | 8.2  | 8.1  | 42                                 |
| 44                                                               |         |      |      | 9.0  | 8.8  | 8.6  | 8.4  | 8.2  | 8.1  | 7.9  | 7.7  | 7.5  | 7.4  | 44                                 |
| 46                                                               |         |      |      | 8.4  | 8.2  | 8.0  | 7.9  | 7.7  | 7.5  | 7.3  | 7.1  | 6.9  | 6.8  | 46                                 |
| 48                                                               |         |      |      |      | 7.7  | 7.5  | 7.3  | 7.1  | 7.0  | 6.8  | 6.6  | 6.4  | 6.2  | 48                                 |
| 50                                                               |         |      |      |      |      | 7.0  | 6.8  | 6.6  | 6.5  | 6.3  | 6.0  | 5.8  | 5.7  | 50                                 |
| 52                                                               |         |      |      |      |      |      | 6.4  | 6.2  | 6.0  | 5.8  | 5.6  | 5.4  | 5.2  | 52                                 |
| 54                                                               |         |      |      |      |      |      |      | 5.7  | 5.5  | 5.3  | 5.1  | 4.9  | 4.8  | 54                                 |
| 56                                                               |         |      |      |      |      |      |      | 5.3  | 5.1  | 4.9  | 4.7  | 4.5  | 4.4  | 56                                 |
| 58                                                               |         |      |      |      |      |      |      |      | 4.7  | 4.5  | 4.3  | 4.1  | 4.0  | 58                                 |
| 60                                                               |         |      |      |      |      |      |      |      |      | 4.2  | 4.0  | 3.8  | 3.6  | 60                                 |
| 62                                                               |         |      |      |      |      |      |      |      |      |      | 3.6  | 3.4  | 3.3  | 62                                 |
| 64                                                               |         |      |      |      |      |      |      |      |      |      |      | 3.3  | 3.1  | 64                                 |
| 66                                                               |         |      |      |      |      |      |      |      |      |      |      |      | 2.8  | 66                                 |
| 68                                                               |         |      |      |      |      |      |      |      |      |      |      |      |      | 68                                 |
| Counter weight(t)<br>Parts of line                               | 61.3+20 |      |      |      |      |      |      |      |      |      |      |      |      | Counter weight(t)<br>Parts of line |
|                                                                  | 3       | 3    | 3    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    |                                    |

Unit: t

## FJa Load Chart

SCC1500A-1 crawler crane -FJa working condition load chart 2/8

| Auxiliary hook, main boom 28~64m, jib 19m, boom to jib angle 10° |         |      |      |      |      |      |      |      |      |      |      |      |      |                                 |
|------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|
| Jib length<br>(m)<br>Radius (m)                                  | 28      | 31   | 34   | 37   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 61   | 64   | Jib length<br>(m)<br>Radius (m) |
| 14                                                               | 22.2    | 22.3 | 22.1 |      |      |      |      |      |      |      |      |      |      | 14                              |
| 16                                                               | 21.6    | 21.6 | 21.6 | 21.5 | 21.5 | 21.3 |      |      |      |      |      |      |      | 16                              |
| 18                                                               | 21.0    | 21.1 | 21.2 | 21.1 | 21.1 | 20.9 | 20.8 | 20.7 | 20.6 | 20.4 |      |      |      | 18                              |
| 20                                                               | 20.2    | 20.3 | 20.4 | 20.4 | 20.3 | 20.4 | 20.3 | 20.1 | 20.0 | 19.8 | 19.6 | 18.9 | 17.8 | 20                              |
| 22                                                               | 19.4    | 19.5 | 19.6 | 19.6 | 19.5 | 19.6 | 19.5 | 19.3 | 19.1 | 18.9 | 18.7 | 18.0 | 17.2 | 22                              |
| 24                                                               | 18.5    | 18.6 | 18.6 | 18.5 | 18.4 | 18.4 | 18.2 | 18.0 | 17.8 | 17.7 | 17.5 | 17.1 | 16.5 | 24                              |
| 26                                                               | 17.4    | 17.3 | 17.2 | 17.1 | 17.1 | 17.0 | 16.8 | 16.7 | 16.6 | 16.4 | 16.2 | 16.1 | 15.8 | 26                              |
| 28                                                               | 16.5    | 16.4 | 16.2 | 16.1 | 16.0 | 15.9 | 15.7 | 15.5 | 15.3 | 15.2 | 15.0 | 14.8 | 14.7 | 28                              |
| 30                                                               | 15.3    | 15.2 | 15.0 | 14.9 | 14.8 | 14.8 | 14.6 | 14.4 | 14.3 | 14.1 | 13.9 | 13.7 | 13.6 | 30                              |
| 32                                                               | 14.2    | 14.0 | 13.8 | 13.7 | 13.6 | 13.5 | 13.3 | 13.1 | 13.0 | 12.8 | 12.6 | 12.5 | 12.3 | 32                              |
| 34                                                               | 13.0    | 12.9 | 12.7 | 12.6 | 12.5 | 12.5 | 12.3 | 12.1 | 11.9 | 11.8 | 11.6 | 11.4 | 11.3 | 34                              |
| 36                                                               | 12.2    | 12.1 | 11.9 | 11.8 | 11.7 | 11.6 | 11.4 | 11.2 | 11.1 | 10.9 | 10.7 | 10.5 | 10.4 | 36                              |
| 38                                                               | 11.3    | 11.1 | 10.9 | 10.8 | 10.7 | 10.6 | 10.4 | 10.2 | 10.1 | 9.9  | 9.7  | 9.6  | 9.4  | 38                              |
| 40                                                               | 10.6    | 10.4 | 10.2 | 10.1 | 10.0 | 9.9  | 9.7  | 9.5  | 9.4  | 9.2  | 9.0  | 8.9  | 8.7  | 40                              |
| 42                                                               | 9.8     | 9.6  | 9.4  | 9.3  | 9.2  | 9.1  | 8.9  | 8.7  | 8.6  | 8.4  | 8.2  | 8.1  | 7.9  | 42                              |
| 44                                                               |         | 9.0  | 8.8  | 8.7  | 8.6  | 8.5  | 8.4  | 8.1  | 7.9  | 7.8  | 7.6  | 7.4  | 7.2  | 44                              |
| 46                                                               |         | 8.5  | 8.3  | 8.2  | 8.1  | 8.0  | 7.8  | 7.6  | 7.4  | 7.3  | 7.1  | 6.9  | 6.7  | 46                              |
| 48                                                               |         |      | 7.7  | 7.6  | 7.5  | 7.5  | 7.4  | 7.2  | 7.0  | 6.8  | 6.6  | 6.3  | 6.1  | 48                              |
| 50                                                               |         |      |      | 7.2  | 7.1  | 7.0  | 6.9  | 6.6  | 6.4  | 6.2  | 6.0  | 5.8  | 5.7  | 50                              |
| 52                                                               |         |      |      |      | 6.5  | 6.3  | 6.2  | 6.0  | 5.9  | 5.7  | 5.5  | 5.3  | 5.1  | 52                              |
| 54                                                               |         |      |      |      | 6.1  | 5.9  | 5.7  | 5.5  | 5.3  | 5.2  | 5.0  | 4.8  | 4.6  | 54                              |
| 56                                                               |         |      |      |      |      | 5.5  | 5.3  | 5.1  | 4.9  | 4.8  | 4.6  | 4.4  | 4.2  | 56                              |
| 58                                                               |         |      |      |      |      |      | 5.0  | 4.8  | 4.6  | 4.4  | 4.2  | 4.0  | 3.8  | 58                              |
| 60                                                               |         |      |      |      |      |      |      | 4.4  | 4.3  | 4.1  | 3.9  | 3.8  | 3.5  | 60                              |
| 62                                                               |         |      |      |      |      |      |      | 4.0  | 3.9  | 3.8  | 3.6  | 3.4  | 3.1  | 62                              |
| 64                                                               |         |      |      |      |      |      |      |      | 3.6  | 3.4  | 3.2  | 3.0  | 2.8  | 64                              |
| 66                                                               |         |      |      |      |      |      |      |      |      | 3.1  | 2.9  | 2.7  | 2.5  | 66                              |
| 68                                                               |         |      |      |      |      |      |      |      |      |      | 2.6  | 2.4  | 2.2  | 68                              |
| 70                                                               |         |      |      |      |      |      |      |      |      |      |      | 2.2  | 2.0  | 70                              |
| 72                                                               |         |      |      |      |      |      |      |      |      |      |      | 2.0  |      | 72                              |
| Counter weight(t)                                                | 61.3+20 |      |      |      |      |      |      |      |      |      |      |      |      | Counter weight(t)               |
| Parts of line                                                    | 2       | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | Parts of line                   |

## FJa Load Chart

SCC1500A-1 crawler crane -FJa working condition load chart 3/8

| Auxiliary hook, main boom 28~64m, jib 25m, boom to jib angle 10° |         |      |      |      |      |      |      |      |      |      |      |      |      |                                 |
|------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|
| Jib length<br>(m)<br>Radius (m)                                  | 28      | 31   | 34   | 37   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 61   | 64   | Jib length<br>(m)<br>Radius (m) |
| 16                                                               | 14.3    | 14.3 | 14.2 |      |      |      |      |      |      |      |      |      |      | 16                              |
| 18                                                               | 14.0    | 14.0 | 14.0 | 14.0 | 13.9 | 13.9 |      |      |      |      |      |      |      | 18                              |
| 20                                                               | 13.7    | 13.7 | 13.7 | 13.7 | 13.7 | 13.6 | 13.5 | 13.4 | 13.3 | 13.1 |      |      |      | 20                              |
| 22                                                               | 13.4    | 13.4 | 13.4 | 13.4 | 13.4 | 13.3 | 13.3 | 13.2 | 13.1 | 13.0 | 12.8 | 12.6 | 12.4 | 22                              |
| 24                                                               | 13.0    | 13.0 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.0 | 12.9 | 12.8 | 12.7 | 12.5 | 12.2 | 24                              |
| 26                                                               | 12.6    | 12.7 | 12.7 | 12.8 | 12.8 | 12.8 | 12.8 | 12.7 | 12.7 | 12.6 | 12.5 | 12.3 | 12.1 | 26                              |
| 28                                                               | 12.2    | 12.3 | 12.2 | 12.4 | 12.5 | 12.5 | 12.5 | 12.4 | 12.4 | 12.3 | 12.2 | 12.1 | 11.9 | 28                              |
| 30                                                               | 11.8    | 11.9 | 11.9 | 12.0 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.0 | 12.0 | 11.8 | 11.6 | 30                              |
| 32                                                               | 11.4    | 11.5 | 11.5 | 11.6 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.6 | 11.5 | 11.3 | 32                              |
| 34                                                               | 10.8    | 11.1 | 11.1 | 11.2 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.2 | 11.1 | 11.0 | 10.8 | 34                              |
| 36                                                               | 10.2    | 10.7 | 10.8 | 10.9 | 10.8 | 10.8 | 10.8 | 10.7 | 10.7 | 10.6 | 10.4 | 10.2 | 10.1 | 36                              |
| 38                                                               | 9.8     | 10.2 | 10.4 | 10.4 | 10.3 | 10.2 | 10.2 | 10.0 | 9.9  | 9.8  | 9.6  | 9.4  | 9.3  | 38                              |
| 40                                                               | 9.3     | 9.7  | 9.9  | 9.8  | 9.6  | 9.5  | 9.4  | 9.2  | 9.1  | 9.0  | 8.8  | 8.6  | 8.5  | 40                              |
| 42                                                               | 8.9     | 9.3  | 9.2  | 9.1  | 9.0  | 8.8  | 8.7  | 8.5  | 8.3  | 8.3  | 8.1  | 7.9  | 7.8  | 42                              |
| 44                                                               | 8.6     | 8.8  | 8.6  | 8.5  | 8.4  | 8.2  | 8.0  | 7.8  | 7.7  | 7.6  | 7.4  | 7.3  | 7.1  | 44                              |
| 46                                                               | 8.2     | 8.3  | 8.1  | 7.9  | 7.8  | 7.6  | 7.5  | 7.3  | 7.2  | 7.0  | 6.8  | 6.7  | 6.5  | 46                              |
| 48                                                               | 7.9     | 7.8  | 7.7  | 7.5  | 7.3  | 7.2  | 7.0  | 6.8  | 6.7  | 6.5  | 6.3  | 6.2  | 6.0  | 48                              |
| 50                                                               |         | 7.3  | 7.2  | 7.0  | 6.9  | 6.8  | 6.6  | 6.4  | 6.3  | 6.1  | 5.9  | 5.7  | 5.5  | 50                              |
| 52                                                               |         | 6.9  | 6.8  | 6.7  | 6.6  | 6.4  | 6.2  | 6.1  | 5.9  | 5.7  | 5.5  | 5.3  | 5.1  | 52                              |
| 54                                                               |         |      | 6.4  | 6.3  | 6.2  | 6.0  | 5.8  | 5.6  | 5.6  | 5.4  | 5.1  | 4.9  | 4.7  | 54                              |
| 56                                                               |         |      |      | 5.9  | 5.9  | 5.7  | 5.5  | 5.3  | 5.2  | 5.0  | 4.7  | 4.5  | 4.3  | 56                              |
| 58                                                               |         |      |      |      | 5.5  | 5.3  | 5.1  | 4.9  | 4.8  | 4.6  | 4.3  | 4.1  | 3.9  | 58                              |
| 60                                                               |         |      |      |      |      | 5.0  | 4.8  | 4.6  | 4.4  | 4.2  | 4.0  | 3.8  | 3.6  | 60                              |
| 62                                                               |         |      |      |      |      | 4.7  | 4.5  | 4.3  | 4.1  | 3.9  | 3.7  | 3.5  | 3.3  | 62                              |
| 64                                                               |         |      |      |      |      |      | 4.2  | 4.0  | 3.8  | 3.6  | 3.4  | 3.2  | 3.0  | 64                              |
| 66                                                               |         |      |      |      |      |      |      | 3.7  | 3.5  | 3.3  | 3.1  | 2.9  | 2.7  | 66                              |
| 68                                                               |         |      |      |      |      |      |      |      | 3.2  | 3.0  | 2.8  | 2.6  | 2.4  | 68                              |
| 70                                                               |         |      |      |      |      |      |      |      | 2.9  | 2.7  | 2.5  | 2.3  | 2.1  | 70                              |
| 72                                                               |         |      |      |      |      |      |      |      |      | 2.5  | 2.3  | 2.1  |      | 72                              |
| 74                                                               |         |      |      |      |      |      |      |      |      |      | 2.0  |      |      | 74                              |
| Counter weight(t)                                                | 61.3+20 |      |      |      |      |      |      |      |      |      |      |      |      | Counter weight(t)               |
| Parts of line                                                    | 2       | 2    | 2    | 2    | 2    | 2    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | Parts of line                   |

Unit: t

## FJa Load Chart

SCC1500A-1 crawler crane -FJa working condition load chart 4/8

| Auxiliary hook, main boom 28~64m, jib 31m, boom to jib angle 10° |         |     |     |     |     |     |     |     |     |     |     |     |     |                                    |
|------------------------------------------------------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------------------|
| Jib length<br>(m)<br>Radius (m)                                  | 28      | 31  | 34  | 37  | 40  | 43  | 46  | 49  | 52  | 55  | 58  | 61  | 64  | Jib length<br>(m)<br>Radius (m)    |
| 18                                                               | 9.1     | 9.1 | 9.1 |     |     |     |     |     |     |     |     |     |     | 18                                 |
| 20                                                               | 8.9     | 8.9 | 8.9 | 8.9 | 8.9 | 8.8 |     |     |     |     |     |     |     | 20                                 |
| 22                                                               | 8.6     | 8.6 | 8.6 | 8.6 | 8.7 | 8.6 | 8.5 | 8.5 | 8.5 | 8.4 |     |     |     | 22                                 |
| 24                                                               | 8.4     | 8.4 | 8.4 | 8.3 | 8.5 | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.2 | 8.1 | 8.1 | 24                                 |
| 26                                                               | 8.1     | 8.1 | 8.1 | 8.1 | 8.2 | 8.2 | 8.2 | 8.2 | 8.1 | 8.0 | 8.0 | 8.0 | 7.9 | 26                                 |
| 28                                                               | 7.9     | 7.9 | 7.9 | 7.9 | 7.9 | 8.0 | 8.0 | 8.0 | 7.9 | 7.8 | 7.8 | 7.8 | 7.7 | 28                                 |
| 30                                                               | 7.6     | 7.7 | 7.7 | 7.7 | 7.7 | 7.8 | 7.8 | 7.8 | 7.7 | 7.7 | 7.6 | 7.6 | 7.5 | 30                                 |
| 32                                                               | 7.4     | 7.5 | 7.5 | 7.5 | 7.5 | 7.6 | 7.6 | 7.6 | 7.5 | 7.5 | 7.5 | 7.5 | 7.4 | 32                                 |
| 34                                                               | 7.2     | 7.3 | 7.3 | 7.3 | 7.3 | 7.4 | 7.4 | 7.5 | 7.4 | 7.4 | 7.4 | 7.4 | 7.3 | 34                                 |
| 36                                                               | 7.0     | 7.0 | 7.1 | 7.1 | 7.1 | 7.2 | 7.2 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.2 | 36                                 |
| 38                                                               | 6.7     | 6.8 | 6.9 | 6.9 | 6.9 | 7.0 | 7.0 | 7.1 | 7.2 | 7.1 | 7.1 | 7.1 | 7.1 | 38                                 |
| 40                                                               | 6.5     | 6.6 | 6.6 | 6.7 | 6.8 | 6.8 | 6.8 | 6.9 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 40                                 |
| 42                                                               | 6.3     | 6.4 | 6.4 | 6.5 | 6.6 | 6.6 | 6.6 | 6.7 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 42                                 |
| 44                                                               | 6.1     | 6.2 | 6.2 | 6.3 | 6.4 | 6.4 | 6.4 | 6.5 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 44                                 |
| 46                                                               | 5.9     | 6.0 | 6.0 | 6.1 | 6.2 | 6.2 | 6.2 | 6.3 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 46                                 |
| 48                                                               | 5.7     | 5.8 | 5.9 | 5.9 | 6.0 | 6.0 | 6.0 | 6.1 | 6.2 | 6.2 | 6.2 | 6.2 | 6.1 | 48                                 |
| 50                                                               | 5.5     | 5.6 | 5.7 | 5.7 | 5.8 | 5.8 | 5.8 | 5.9 | 6.0 | 6.0 | 6.0 | 5.9 | 5.6 | 50                                 |
| 52                                                               | 5.3     | 5.4 | 5.5 | 5.5 | 5.6 | 5.6 | 5.6 | 5.7 | 5.7 | 5.6 | 5.5 | 5.3 | 5.0 | 52                                 |
| 54                                                               | 5.1     | 5.2 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.2 | 5.0 | 4.8 | 4.6 | 54                                 |
| 56                                                               |         | 5.0 | 5.2 | 5.3 | 5.2 | 5.2 | 5.2 | 5.1 | 5.0 | 4.8 | 4.6 | 4.4 | 4.2 | 56                                 |
| 58                                                               |         |     | 5.1 | 5.2 | 5.0 | 5.0 | 4.9 | 4.7 | 4.7 | 4.5 | 4.3 | 4.1 | 3.9 | 58                                 |
| 60                                                               |         |     | 5.0 | 5.1 | 4.8 | 4.8 | 4.6 | 4.4 | 4.3 | 4.2 | 3.9 | 3.8 | 3.6 | 60                                 |
| 62                                                               |         |     |     | 5.0 | 4.6 | 4.6 | 4.3 | 4.1 | 4.0 | 3.8 | 3.6 | 3.4 | 3.2 | 62                                 |
| 64                                                               |         |     |     |     | 4.4 | 4.3 | 4.0 | 3.8 | 3.7 | 3.5 | 3.3 | 3.1 | 2.9 | 64                                 |
| 66                                                               |         |     |     |     |     | 4.0 | 3.7 | 3.5 | 3.4 | 3.2 | 3.0 | 2.8 | 2.6 | 66                                 |
| 68                                                               |         |     |     |     |     | 3.7 | 3.4 | 3.2 | 3.1 | 2.9 | 2.7 | 2.5 | 2.3 | 68                                 |
| 70                                                               |         |     |     |     |     |     | 3.1 | 2.9 | 2.8 | 2.7 | 2.4 | 2.3 | 2.1 | 70                                 |
| 72                                                               |         |     |     |     |     |     |     | 2.7 | 2.5 | 2.4 | 2.2 | 2.0 |     | 72                                 |
| 74                                                               |         |     |     |     |     |     |     |     | 2.2 | 2.1 | 2.0 |     |     | 74                                 |
| 76                                                               |         |     |     |     |     |     |     |     |     | 2.0 |     |     |     | 76                                 |
| Counter weight(t)<br>Parts of line                               | 61.3+20 |     |     |     |     |     |     |     |     |     |     |     |     | Counter weight(t)<br>Parts of line |
|                                                                  | 1       | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |                                    |

## FJa Load Chart

SCC1500A-1 crawler crane -FJa working condition load chart 5/8

| Auxiliary hook, main boom 28~64m, jib 13m, boom to jib angle 30° |         |      |      |      |      |      |      |      |      |      |      |      |      |                                 |
|------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|
| Jib length<br>(m)<br>Radius (m)                                  | 28      | 31   | 34   | 37   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 61   | 64   | Jib length<br>(m)<br>Radius (m) |
| 14                                                               | 22.4    | 22.7 | 23.0 |      |      |      |      |      |      |      |      |      |      | 14                              |
| 16                                                               | 21.0    | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 |      |      |      |      |      |      |      | 16                              |
| 18                                                               | 19.8    | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.8 | 22.1 | 22.3 | 22.5 |      |      |      | 18                              |
| 20                                                               | 18.8    | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 | 21.9 | 22.0 | 22.0 | 20                              |
| 22                                                               | 17.9    | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.5 | 20.8 | 21.0 | 21.1 | 21.2 | 22                              |
| 24                                                               | 17.1    | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.2 | 19.4 | 19.5 | 19.6 | 19.7 | 19.8 | 19.7 | 24                              |
| 26                                                               | 16.4    | 16.8 | 17.2 | 17.5 | 17.8 | 18.0 | 18.1 | 18.2 | 18.2 | 18.2 | 18.1 | 18.0 | 17.8 | 26                              |
| 28                                                               | 15.8    | 16.2 | 16.3 | 16.6 | 16.8 | 16.8 | 16.8 | 16.7 | 16.6 | 16.5 | 16.3 | 16.2 | 16.0 | 28                              |
| 30                                                               | 15.1    | 15.3 | 15.2 | 15.4 | 15.5 | 15.5 | 15.4 | 15.2 | 15.1 | 14.9 | 14.8 | 14.6 | 14.5 | 30                              |
| 32                                                               | 14.3    | 14.3 | 14.2 | 14.2 | 14.3 | 14.2 | 14.0 | 13.9 | 13.7 | 13.6 | 13.4 | 13.3 | 13.1 | 32                              |
| 34                                                               | 13.5    | 13.4 | 13.4 | 13.3 | 13.2 | 13.0 | 12.8 | 12.7 | 12.6 | 12.4 | 12.3 | 12.1 | 12.0 | 34                              |
| 36                                                               | 12.6    | 12.5 | 12.4 | 12.3 | 12.1 | 12.0 | 11.8 | 11.7 | 11.5 | 11.4 | 11.2 | 11.1 | 10.9 | 36                              |
| 38                                                               | 11.8    | 11.7 | 11.5 | 11.4 | 11.2 | 11.1 | 10.9 | 10.8 | 10.6 | 10.5 | 10.3 | 10.2 | 10.0 | 38                              |
| 40                                                               |         | 10.8 | 10.7 | 10.5 | 10.4 | 10.2 | 10.1 | 9.9  | 9.8  | 9.6  | 9.5  | 9.3  | 9.2  | 40                              |
| 42                                                               |         |      | 9.9  | 9.8  | 9.7  | 9.5  | 9.4  | 9.2  | 9.1  | 8.9  | 8.7  | 8.6  | 8.4  | 42                              |
| 44                                                               |         |      | 9.3  | 9.1  | 9.0  | 8.8  | 8.7  | 8.5  | 8.4  | 8.2  | 8.1  | 7.9  | 7.8  | 44                              |
| 46                                                               |         |      |      | 8.5  | 8.4  | 8.2  | 8.1  | 7.9  | 7.8  | 7.6  | 7.5  | 7.3  | 7.2  | 46                              |
| 48                                                               |         |      |      |      | 7.8  | 7.7  | 7.5  | 7.4  | 7.2  | 7.1  | 6.9  | 6.8  | 6.6  | 48                              |
| 50                                                               |         |      |      |      |      | 7.1  | 7.0  | 6.8  | 6.7  | 6.6  | 6.4  | 6.2  | 6.0  | 50                              |
| 52                                                               |         |      |      |      |      |      | 6.5  | 6.4  | 6.2  | 6.1  | 5.9  | 5.7  | 5.5  | 52                              |
| 54                                                               |         |      |      |      |      |      |      | 5.9  | 5.8  | 5.6  | 5.4  | 5.2  | 5.0  | 54                              |
| 56                                                               |         |      |      |      |      |      |      | 5.5  | 5.3  | 5.1  | 5.0  | 4.8  | 4.6  | 56                              |
| 58                                                               |         |      |      |      |      |      |      |      | 4.9  | 4.7  | 4.5  | 4.4  | 4.2  | 58                              |
| 60                                                               |         |      |      |      |      |      |      |      |      | 4.3  | 4.2  | 4.0  | 3.8  | 60                              |
| 62                                                               |         |      |      |      |      |      |      |      |      |      | 4.0  | 3.8  | 3.6  | 62                              |
| 64                                                               |         |      |      |      |      |      |      |      |      |      |      | 3.5  | 3.3  | 64                              |
| 66                                                               |         |      |      |      |      |      |      |      |      |      |      |      | 3.0  | 66                              |
| 68                                                               |         |      |      |      |      |      |      |      |      |      |      |      |      | 68                              |
| 70                                                               |         |      |      |      |      |      |      |      |      |      |      |      | 2.2  | 70                              |
| Counter weight(t)                                                | 61.3+20 |      |      |      |      |      |      |      |      |      |      |      |      | Counter weight(t)               |
| Parts of line                                                    | 2       | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | Parts of line                   |

Unit: t

## FJa Load Chart

SCC1500A-1 crawler crane -FJa working condition load chart 6/8

| Auxiliary hook, main boom 28~64m, jib 19m, boom to jib angle 30° |         |      |      |      |      |      |      |      |      |      |      |      |      |                                 |
|------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|
| Jib length<br>(m)<br>Radius (m)                                  | 28      | 31   | 34   | 37   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 61   | 64   | Jib length<br>(m)<br>Radius (m) |
| 18                                                               | 14.9    | 15.1 | 15.3 |      |      |      |      |      |      |      |      |      |      | 18                              |
| 20                                                               | 14.0    | 14.3 | 14.5 | 14.7 | 14.9 | 15.0 |      |      |      |      |      |      |      | 20                              |
| 22                                                               | 13.3    | 13.6 | 13.8 | 14.0 | 14.2 | 14.4 | 14.6 | 14.7 | 14.9 | 15.0 |      |      |      | 22                              |
| 24                                                               | 12.7    | 12.9 | 13.2 | 13.4 | 13.6 | 13.8 | 14.0 | 14.2 | 14.3 | 14.4 | 14.5 | 14.6 | 14.7 | 24                              |
| 26                                                               | 12.1    | 12.4 | 12.6 | 12.8 | 13.1 | 13.3 | 13.5 | 13.6 | 13.8 | 13.9 | 14.0 | 14.1 | 14.2 | 26                              |
| 28                                                               | 11.6    | 11.8 | 12.1 | 12.4 | 12.6 | 12.8 | 13.0 | 13.2 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 28                              |
| 30                                                               | 11.1    | 11.4 | 11.6 | 11.9 | 12.1 | 12.3 | 12.6 | 12.6 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 30                              |
| 32                                                               | 10.7    | 11.0 | 11.2 | 11.5 | 11.7 | 11.9 | 12.0 | 12.1 | 12.1 | 12.2 | 12.3 | 12.3 | 12.4 | 32                              |
| 34                                                               | 10.3    | 10.6 | 10.9 | 11.1 | 11.3 | 11.4 | 11.5 | 11.6 | 11.6 | 11.7 | 11.8 | 11.8 | 11.9 | 34                              |
| 36                                                               | 10.0    | 10.3 | 10.5 | 10.6 | 10.8 | 10.9 | 11.0 | 11.1 | 11.1 | 11.2 | 11.2 | 11.2 | 11.2 | 36                              |
| 38                                                               | 9.7     | 10.0 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.6 | 10.6 | 10.6 | 10.5 | 10.5 | 10.4 | 38                              |
| 40                                                               | 9.5     | 9.6  | 9.8  | 9.9  | 10.0 | 10.0 | 10.1 | 10.1 | 10.1 | 10.0 | 9.8  | 9.7  | 9.6  | 40                              |
| 42                                                               | 9.3     | 9.3  | 9.5  | 9.4  | 9.5  | 9.5  | 9.6  | 9.5  | 9.4  | 9.3  | 9.1  | 9.0  | 8.8  | 42                              |
| 44                                                               | 9.0     | 8.8  | 9.0  | 8.9  | 9.0  | 9.1  | 9.0  | 8.9  | 8.7  | 8.6  | 8.4  | 8.3  | 8.2  | 44                              |
| 46                                                               |         | 8.3  | 8.5  | 8.3  | 8.4  | 8.5  | 8.4  | 8.2  | 8.1  | 8.0  | 7.8  | 7.7  | 7.5  | 46                              |
| 48                                                               |         |      | 8.0  | 7.8  | 7.9  | 8.0  | 7.8  | 7.7  | 7.5  | 7.4  | 7.2  | 7.1  | 7.0  | 48                              |
| 50                                                               |         |      | 7.5  | 7.4  | 7.5  | 7.4  | 7.3  | 7.1  | 7.0  | 6.9  | 6.7  | 6.6  | 6.4  | 50                              |
| 52                                                               |         |      |      | 7.0  | 7.1  | 7.0  | 6.8  | 6.7  | 6.5  | 6.4  | 6.2  | 6.1  | 5.9  | 52                              |
| 54                                                               |         |      |      |      | 6.6  | 6.5  | 6.4  | 6.2  | 6.1  | 5.9  | 5.8  | 5.6  | 5.4  | 54                              |
| 56                                                               |         |      |      |      |      | 6.1  | 6.0  | 5.8  | 5.7  | 5.5  | 5.3  | 5.2  | 5.0  | 56                              |
| 58                                                               |         |      |      |      |      |      | 5.6  | 5.4  | 5.2  | 5.1  | 4.9  | 4.7  | 4.6  | 58                              |
| 60                                                               |         |      |      |      |      |      | 5.2  | 5.0  | 4.9  | 4.7  | 4.5  | 4.4  | 4.2  | 60                              |
| 62                                                               |         |      |      |      |      |      |      | 4.6  | 4.5  | 4.3  | 4.1  | 4.0  | 3.8  | 62                              |
| 64                                                               |         |      |      |      |      |      |      |      | 4.1  | 4.0  | 3.8  | 3.6  | 3.5  | 64                              |
| 66                                                               |         |      |      |      |      |      |      |      |      | 3.6  | 3.5  | 3.3  | 3.1  | 66                              |
| 68                                                               |         |      |      |      |      |      |      |      |      | 3.3  | 3.2  | 3.0  | 2.8  | 68                              |
| 70                                                               |         |      |      |      |      |      |      |      |      |      | 2.9  | 2.7  | 2.5  | 70                              |
| 72                                                               |         |      |      |      |      |      |      |      |      |      |      | 2.4  | 2.3  | 72                              |
| 74                                                               |         |      |      |      |      |      |      |      |      |      |      |      | 2.0  | 74                              |
| Counter weight(t)                                                | 61.3+20 |      |      |      |      |      |      |      |      |      |      |      |      | Counter weight(t)               |
| Parts of line                                                    | 2       | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | Parts of line                   |

## FJa Load Chart

SCC1500A-1 crawler crane -FJa working condition load chart 7/8

| Auxiliary hook, main boom 28~64m, jib 25m, boom to jib angle 30° |         |      |      |      |      |      |      |      |      |      |      |      |      |                                    |
|------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------------|
| Jib length<br>(m)<br>Radius (m)                                  | 28      | 31   | 34   | 37   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 61   | 64   | Jib length<br>(m)<br>Radius (m)    |
| 22                                                               | 10.9    | 11.1 | 11.2 |      |      |      |      |      |      |      |      |      |      | 22                                 |
| 24                                                               | 10.3    | 10.5 | 10.7 | 10.8 | 10.9 | 11.0 |      |      |      |      |      |      |      | 24                                 |
| 26                                                               | 9.8     | 10.0 | 10.2 | 10.3 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 |      |      |      | 26                                 |
| 28                                                               | 9.4     | 9.6  | 9.7  | 9.9  | 10.0 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 28                                 |
| 30                                                               | 9.0     | 9.1  | 9.3  | 9.5  | 9.6  | 9.8  | 9.9  | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 30                                 |
| 32                                                               | 8.6     | 8.8  | 9.0  | 9.1  | 9.3  | 9.4  | 9.6  | 9.7  | 9.8  | 10.0 | 10.1 | 10.2 | 10.3 | 32                                 |
| 34                                                               | 8.3     | 8.4  | 8.6  | 8.8  | 9.0  | 9.1  | 9.3  | 9.4  | 9.5  | 9.7  | 9.8  | 9.9  | 10.0 | 34                                 |
| 36                                                               | 7.9     | 8.1  | 8.3  | 8.5  | 8.7  | 8.8  | 9.0  | 9.1  | 9.2  | 9.4  | 9.5  | 9.6  | 9.7  | 36                                 |
| 38                                                               | 7.7     | 7.9  | 8.1  | 8.2  | 8.4  | 8.6  | 8.7  | 8.8  | 9.0  | 9.1  | 9.2  | 9.3  | 9.4  | 38                                 |
| 40                                                               | 7.4     | 7.6  | 7.8  | 8.0  | 8.1  | 8.3  | 8.5  | 8.6  | 8.7  | 8.8  | 8.9  | 9.0  | 9.1  | 40                                 |
| 42                                                               | 7.2     | 7.4  | 7.6  | 7.8  | 7.9  | 8.1  | 8.2  | 8.3  | 8.4  | 8.5  | 8.6  | 8.6  | 8.7  | 42                                 |
| 44                                                               | 7.0     | 7.2  | 7.4  | 7.5  | 7.7  | 7.9  | 8.0  | 8.0  | 8.1  | 8.2  | 8.2  | 8.2  | 8.3  | 44                                 |
| 46                                                               | 6.9     | 7.0  | 7.2  | 7.4  | 7.5  | 7.7  | 7.8  | 7.7  | 7.8  | 7.9  | 7.8  | 7.8  | 7.8  | 46                                 |
| 48                                                               | 6.7     | 6.9  | 7.0  | 7.2  | 7.3  | 7.5  | 7.5  | 7.4  | 7.5  | 7.4  | 7.3  | 7.3  | 7.2  | 48                                 |
| 50                                                               | 6.6     | 6.7  | 6.9  | 7.0  | 7.1  | 7.2  | 7.2  | 7.1  | 7.1  | 7.0  | 6.8  | 6.8  | 6.7  | 50                                 |
| 52                                                               |         | 6.6  | 6.8  | 6.8  | 6.9  | 6.9  | 6.8  | 6.7  | 6.6  | 6.6  | 6.4  | 6.3  | 6.2  | 52                                 |
| 54                                                               |         |      | 6.7  | 6.6  | 6.7  | 6.5  | 6.4  | 6.3  | 6.1  | 6.2  | 6.0  | 5.9  | 5.7  | 54                                 |
| 56                                                               |         |      | 6.5  | 6.3  | 6.4  | 6.1  | 6.1  | 6.0  | 5.7  | 5.8  | 5.6  | 5.5  | 5.3  | 56                                 |
| 58                                                               |         |      |      | 6.0  | 6.0  | 5.8  | 5.8  | 5.7  | 5.3  | 5.4  | 5.2  | 5.1  | 4.9  | 58                                 |
| 60                                                               |         |      |      |      | 5.6  | 5.4  | 5.4  | 5.3  | 4.9  | 5.0  | 4.8  | 4.7  | 4.5  | 60                                 |
| 62                                                               |         |      |      |      |      | 5.0  | 5.1  | 4.9  | 4.6  | 4.6  | 4.4  | 4.3  | 4.1  | 62                                 |
| 64                                                               |         |      |      |      |      |      | 4.7  | 4.6  | 4.3  | 4.3  | 4.1  | 3.9  | 3.8  | 64                                 |
| 66                                                               |         |      |      |      |      |      | 4.4  | 4.2  | 4.0  | 3.9  | 3.8  | 3.6  | 3.5  | 66                                 |
| 68                                                               |         |      |      |      |      |      |      | 3.9  | 3.7  | 3.6  | 3.4  | 3.3  | 3.1  | 68                                 |
| 70                                                               |         |      |      |      |      |      |      |      | 3.4  | 3.3  | 3.2  | 3.0  | 2.8  | 70                                 |
| 72                                                               |         |      |      |      |      |      |      |      |      | 3.0  | 2.9  | 2.7  | 2.6  | 72                                 |
| 74                                                               |         |      |      |      |      |      |      |      |      | 2.8  | 2.6  | 2.4  | 2.3  | 74                                 |
| 76                                                               |         |      |      |      |      |      |      |      |      |      | 2.3  | 2.2  | 2.0  | 76                                 |
| Counter weight(t)<br>Parts of line                               | 61.3+20 |      |      |      |      |      |      |      |      |      |      |      |      | Counter weight(t)<br>Parts of line |
|                                                                  | 1       | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |                                    |

Unit: t

## FJa Load Chart

SCC1500A-1 crawler crane -FJa working condition load chart 8/8

| Auxiliary hook, main boom 28~64m, jib 31m, boom to jib angle 30° |         |     |     |     |     |     |     |     |     |     |     |     |     |                                 |
|------------------------------------------------------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------------------|
| Jib length<br>(m)<br>Radius (m)                                  | 28      | 31  | 34  | 37  | 40  | 43  | 46  | 49  | 52  | 55  | 58  | 61  | 64  | Jib length<br>(m)<br>Radius (m) |
| 26                                                               | 6.8     | 6.9 | 7.0 |     |     |     |     |     |     |     |     |     |     | 26                              |
| 28                                                               | 6.6     | 6.6 | 6.7 | 6.8 | 6.8 | 6.9 |     |     |     |     |     |     |     | 28                              |
| 30                                                               | 6.3     | 6.4 | 6.4 | 6.5 | 6.6 | 6.7 | 6.7 | 6.8 | 6.8 | 6.9 |     |     |     | 30                              |
| 32                                                               | 6.1     | 6.2 | 6.2 | 6.3 | 6.4 | 6.5 | 6.5 | 6.6 | 6.6 | 6.7 | 6.7 | 6.8 | 6.8 | 32                              |
| 34                                                               | 5.9     | 6.0 | 6.0 | 6.1 | 6.2 | 6.3 | 6.3 | 6.4 | 6.5 | 6.5 | 6.6 | 6.6 | 6.7 | 34                              |
| 36                                                               | 5.7     | 5.8 | 5.8 | 5.9 | 6.0 | 6.1 | 6.1 | 6.2 | 6.3 | 6.3 | 6.4 | 6.4 | 6.5 | 36                              |
| 38                                                               | 5.5     | 5.6 | 5.6 | 5.7 | 5.8 | 5.9 | 5.9 | 6.0 | 6.1 | 6.1 | 6.2 | 6.3 | 6.3 | 38                              |
| 40                                                               | 5.3     | 5.4 | 5.4 | 5.5 | 5.6 | 5.7 | 5.7 | 5.8 | 5.9 | 5.9 | 6.0 | 6.1 | 6.1 | 40                              |
| 42                                                               | 5.1     | 5.2 | 5.2 | 5.3 | 5.4 | 5.5 | 5.5 | 5.6 | 5.7 | 5.7 | 5.8 | 5.9 | 5.9 | 42                              |
| 44                                                               | 5.0     | 5.0 | 5.0 | 5.1 | 5.2 | 5.3 | 5.3 | 5.4 | 5.5 | 5.5 | 5.6 | 5.7 | 5.7 | 44                              |
| 46                                                               | 4.9     | 4.9 | 4.9 | 4.9 | 5.0 | 5.1 | 5.1 | 5.2 | 5.3 | 5.3 | 5.4 | 5.5 | 5.5 | 46                              |
| 48                                                               | 4.8     | 4.8 | 4.8 | 4.8 | 4.8 | 4.9 | 4.9 | 5.0 | 5.1 | 5.1 | 5.2 | 5.3 | 5.3 | 48                              |
| 50                                                               | 4.7     | 4.7 | 4.7 | 4.7 | 4.7 | 4.8 | 4.7 | 4.8 | 4.9 | 4.9 | 5.0 | 5.1 | 5.1 | 50                              |
| 52                                                               | 4.6     | 4.6 | 4.6 | 4.6 | 4.6 | 4.7 | 4.6 | 4.7 | 4.8 | 4.8 | 4.9 | 5.0 | 5.0 | 52                              |
| 54                                                               | 4.5     | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.5 | 4.6 | 4.7 | 4.7 | 4.8 | 4.8 | 4.8 | 54                              |
| 56                                                               | 4.4     | 4.4 | 4.4 | 4.4 | 4.4 | 4.5 | 4.4 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 56                              |
| 58                                                               |         | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 4.5 | 4.5 | 4.4 | 4.3 | 4.2 | 58                              |
| 60                                                               |         |     | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.3 | 4.4 | 4.3 | 4.2 | 4.1 | 4.0 | 60                              |
| 62                                                               |         |     | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.2 | 4.2 | 4.1 | 4.0 | 3.9 | 3.8 | 62                              |
| 64                                                               |         |     |     | 4.0 | 4.0 | 3.9 | 3.9 | 4.1 | 4.0 | 3.9 | 3.8 | 3.7 | 3.6 | 64                              |
| 66                                                               |         |     |     |     | 3.9 | 3.8 | 3.7 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 66                              |
| 68                                                               |         |     |     |     |     | 3.7 | 3.6 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 3.2 | 68                              |
| 70                                                               |         |     |     |     |     |     | 3.5 | 3.5 | 3.4 | 3.3 | 3.2 | 3.1 | 3.0 | 70                              |
| 72                                                               |         |     |     |     |     |     | 3.3 | 3.3 | 3.2 | 3.1 | 3.0 | 2.9 | 2.8 | 72                              |
| 74                                                               |         |     |     |     |     |     |     | 3.1 | 3.0 | 2.9 | 2.8 | 2.7 | 2.5 | 74                              |
| 76                                                               |         |     |     |     |     |     |     |     | 2.8 | 2.7 | 2.6 | 2.4 | 2.3 | 76                              |
| 78                                                               |         |     |     |     |     |     |     |     |     | 2.5 | 2.3 | 2.2 | 2.0 | 78                              |
| 80                                                               |         |     |     |     |     |     |     |     |     | 2.2 | 2.1 | 2.0 |     | 80                              |
| Counter weight(t)                                                | 61.3+20 |     |     |     |     |     |     |     |     |     |     |     |     | Counter weight(t)               |
| Parts of line                                                    | 1       | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | Parts of line                   |



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— Agent information —

Due to updated technology, the technical parameters and configurations are subject to change without prior notice. The machine in the picture may include additional equipment. This album is for reference only, subject to the object.

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