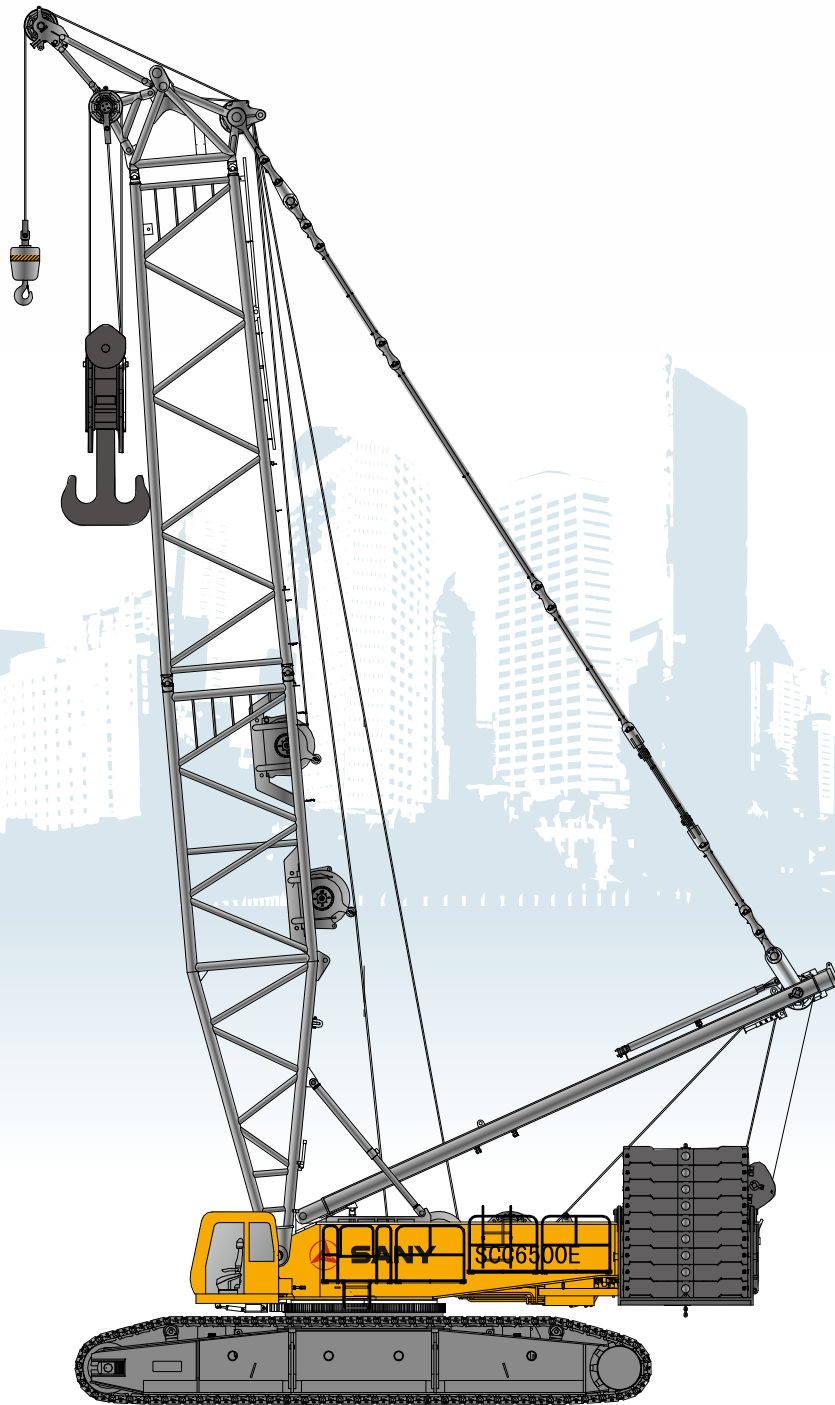




# SANY

Quality Changes the World



## **SANY CRAWLER CRANE SCC 6500E**

# CRAWLER CRANE

## CONTENTS

### P2

#### SCC6500E Crawler Crane

- Outline Dimensions
- Main Technical Features
- Table of Main Performance Data
- Transport Dimensions
- Assembly/Disassembly

### P17

#### Specifications

- Superstructure
- Undercarriage
- Operation Devices
- Safety Devices
- Counterweight Parameters

### P27

#### Operating Condition Combination

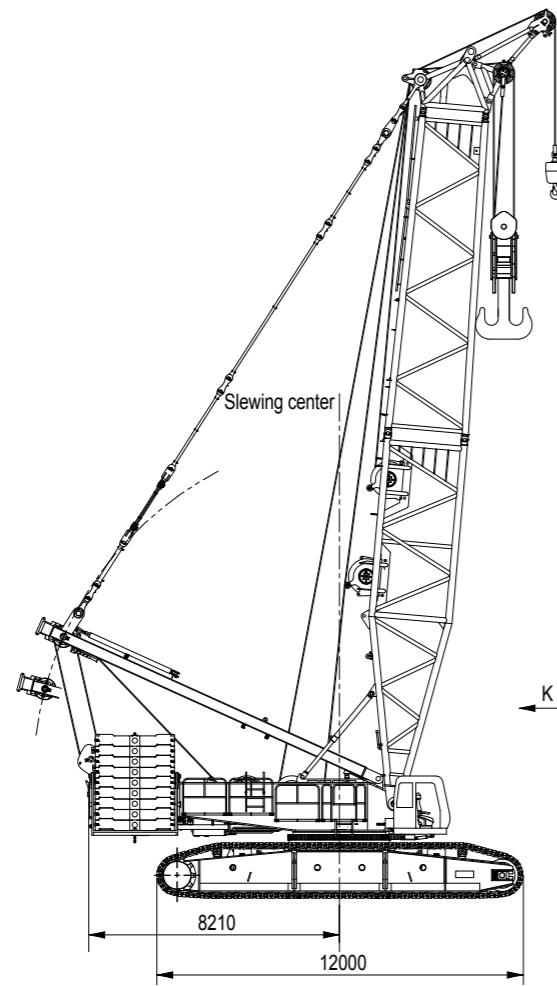
- Combination of Operating Conditions
  - H Operating Condition
  - HDB Operating Condition
  - HJ Operating Condition
  - HJDB Operating Condition
  - LJ Operating Condition
  - LJDB Operating Condition
  - FJ<sub>h</sub>DB Operating Condition
  - FJ Operating Condition
  - FJDB Operating Condition
  - HJFJ Operating Condition
  - HJFJDB Operating Condition

# SCC6500E

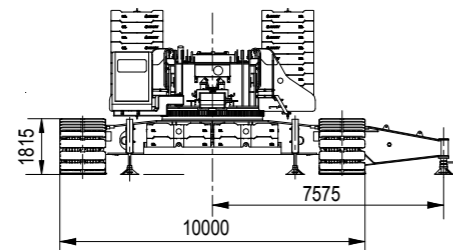
02	Outline Dimensions
04	Main Technical Features
05	Table of Main Performance Data
06	Transport Dimensions
12	Assembly/Disassembly



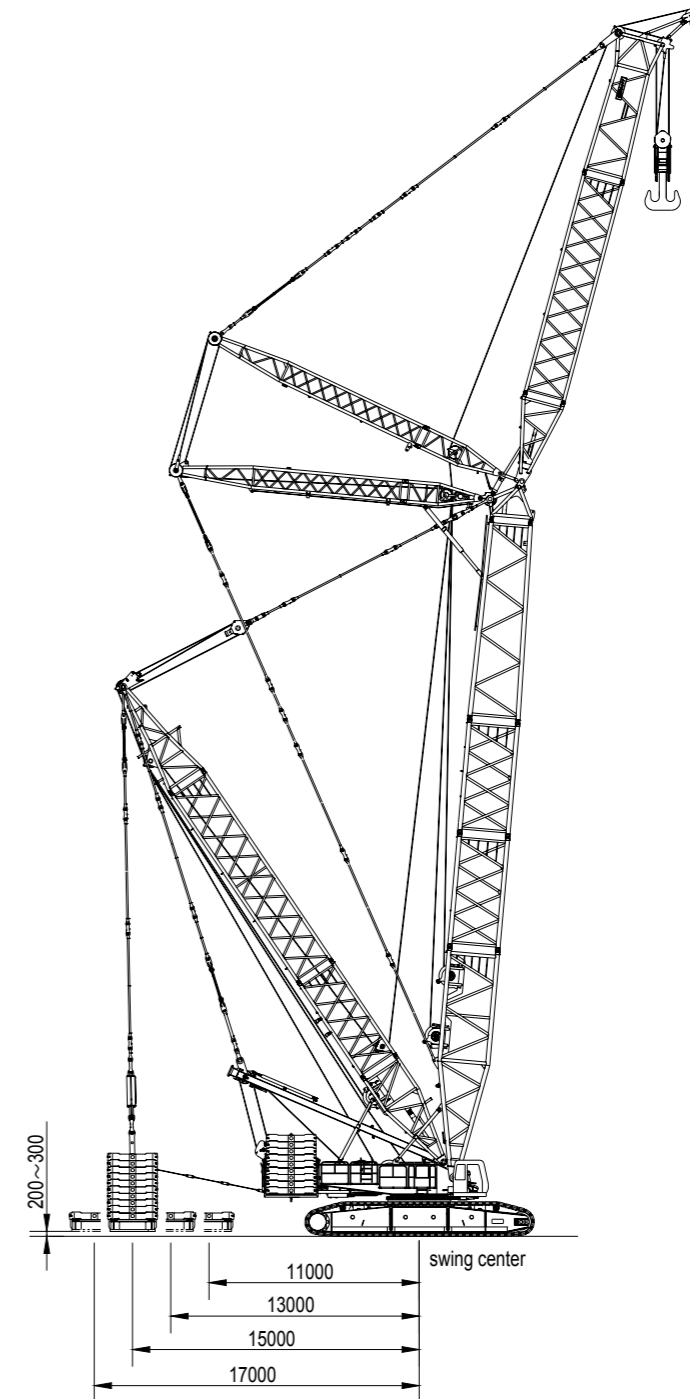
# OUTLINE DIMENSIONS



K (Remove the booms, main luffing mast, etc.)



# OUTLINE DIMENSIONS



## MAIN TECHNICAL FEATURES

### 1. Safe Control System:

Two convenient and reliable modes of operation; working and assembly, with real-time level display, stop operation braking away from machine-leaving stop action, electrical emergency control, anti-lightning protection, automatically walk switches, CCTV monitoring function, with complete safety and supervision system;

### 2. Outstanding Operating Performance:

Load-sensing, limit load regulation and electronic-over-hydraulic control make each micro-movement extremely good and operation more stable;

### 3. Reliable Function Assurance:

Sufficient safety margin for structural and mechanical design; control system can operate stably in harsh environments such as cold, high temperature, altitude and sandy conditions;

### 4. Convenient Maintenance Technology:

It takes approximately no more than 10min/person to adjust; no more than 30min/person for daily maintenance; no more than 2h/person to repair.

### 5. Powerful Lifting Capacity:

The lifting capacity of boom under the working condition is 8655t·m, the longest boom 138m long, and the longest boom combination for the luffing jib is 96m+96m; the crane may support the combination of up to 11 types of operating conditions;

### 6. Hoisting Condition for Wind Turbine:

Particularly suitable for the installation of the wind turbine generator systems of 3.0MW or below; the fixed short jib FJ(102+12) and FJDB(108+12) working conditions has the optimum angle and radius designed in the hoisting scheme of large fans;

### 7. Efficient Self Assembly and Disassembly Technology:

The whole machine can be assembled and disassembled by itself; self assembly and disassembly of crawler frame and self lifting of entire machine, features fast assembly and disassembly;

### 8. 100% Load Travel:

Powerful tracking force and travel smoothness bring the advantages of crawler crane into full play;

### 9. Optimized Transport Solution:

The boom and jib can be packed together to save transportation cost;

### 10. Proprietary Electric Control Software:

The all-electric control system is used to provide a simple and friendly human-machine interface and the function of fault self-diagnosis, boasting high reliability and convenient maintenance; and it is equipped with an electric backup system to provide high safety;

### 11. Centralized Lubrication:

A centralized lubrication system under auto-control provides automatic lubrication to key moveable parts and reduces time and labor for maintenance.

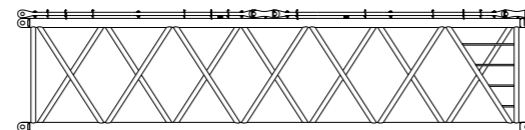
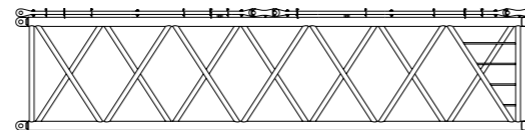
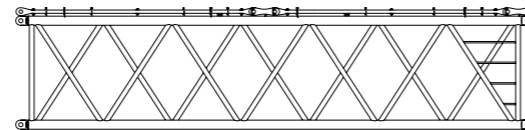
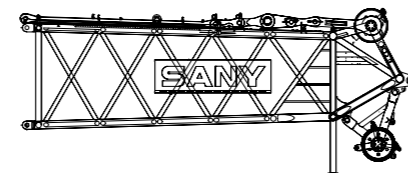
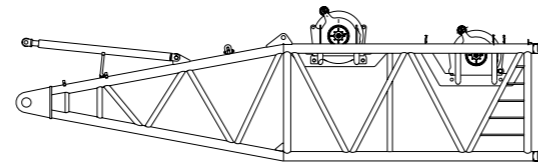
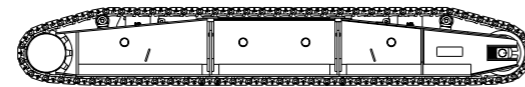
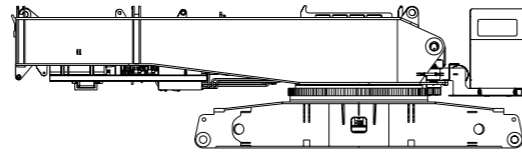
## TABLE OF MAIN PERFORMANCE DATA

Main performance data of SCC6500E crawler crane		
Performance index	Unit	Data
Max. rated lifting capacity (t)	t	650 (6m working radius)
Max. rated lifting capacity (with superlift)	t	650 (10m working radius)
Max. rated lifting moment	t·m	4184
Max. rated lifting moment (with superlift)	t·m	8655
Length of boom	m	24~84
Length of boom (with superlift)	m	36~108
Length of mixed boom	m	66~102
Length of mixed boom (with superlift)	m	90~138
Length of luffing jib	m	24~84
Length of luffing jib (with superlift)	m	24~96
Length of fixed short jib	m	12~36
Length of heavy-duty fixed short jib	m	12
Combination of longest arm (LJDB operating condition)	m	96+96/108+60
Max. length of Wind power combination (without superlift)	m	102+12
Max. length of Wind power combination (with superlift)	m	108+12
Boom luffing angle		30~85
Jib luffing angle		15~75
Max. single rope speed of main winch (outermost layer)	m/min	110
Max. single rope speed of auxiliary winch (outermost layer)	m/min	105
Max. single rope speed of main luffing (outermost layer)	m/min	48×2
Max. single rope speed of auxiliary luffing (outermost layer)	m/min	105
Max. single rope speed of superlift luffing (outermost layer)	m/min	120
Swing speed (no load)	r/min	0~1.2
Travel speed	km/h	0~1.0(high speed)0~0.4(low speed)
Gradeability (with basic boom and driver's cab backward)	%	15
Rated engine output power	kW/r/min	400/2000
Total weight (with basic boom, 190t rear counterweight, and 80t central counterweight, 650t hook block)	t	510
Average ground pressure (basic boom, 190t basic machine counterweight, and 80t central counterweight, with 650t hook block)	MPa	0.15
Rear counterweight of basic machine	t	190
Superlift counterweight	t	310
Central counterweight	t	80
Max. transport dimension of single unit(length*width* height)	mm	12270×3380×3400
Max. transport weight of single piece	t	70



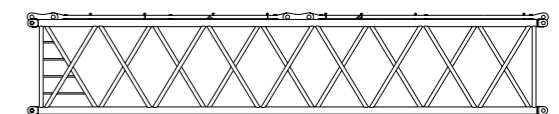
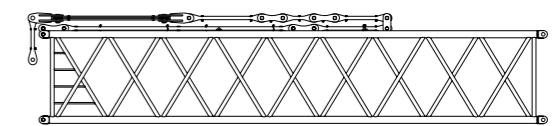
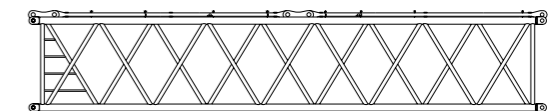
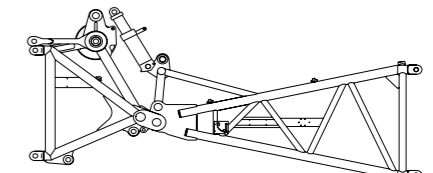
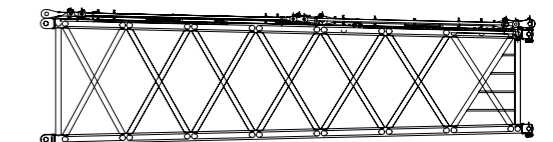
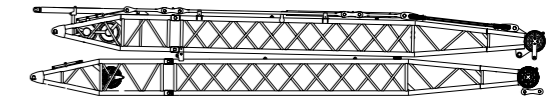
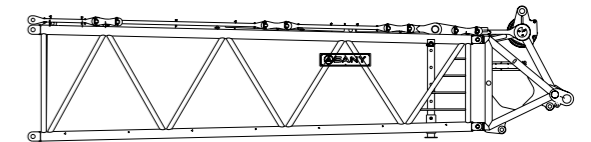
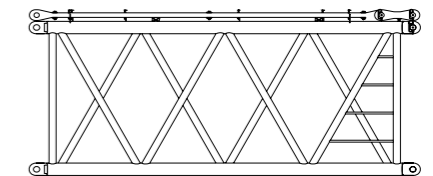
## TRANSPORT DIMENSIONS

<b>Basic machine</b>	×1
Length	12.27m
Width	3.30m
Height	3.40m
Weight	70t
<b>Crawler assembly</b>	×2
Length	12.00m
Width	2.20m
Height	1.82m
Weight	52t
<b>Main luffing mast (including winch)</b>	×1
Length	12.35m
Width	2.30m
Height	1.35m
Weight	19.7t
<b>Boom base (including winch)</b>	×1
Length	12.36m
Width	3.03m
Height	3.61m
Weight	27.5t
<b>Boom tip</b>	×1
Length	8.19m
Width	2.92m
Height	3.47m
Weight	7.77t
<b>12mA boom insert</b>	×1
Length	12.24m
Width	3.09m
Height	2.95m
Weight	9.2t
<b>12mB boom insert</b>	×3
Length	12.24m
Width	3.09m
Height	2.95m
Weight	8.6t
<b>12mC boom insert</b>	×2
Length	12.24m
Width	3.09m
Height	2.95m
Weight	7.9t



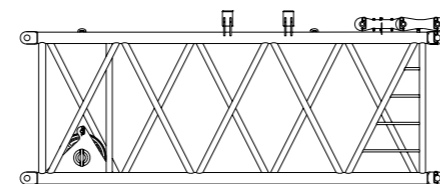
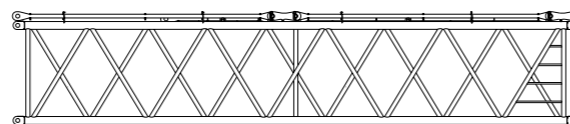
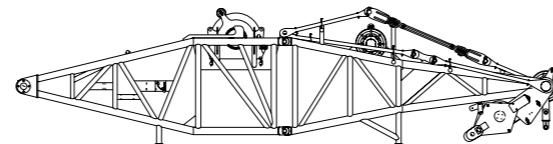
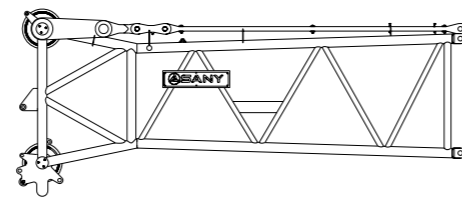
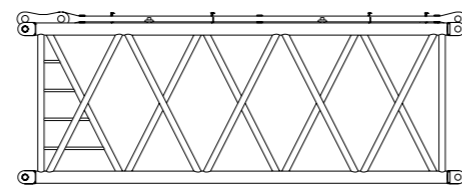
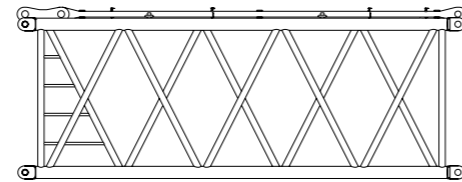
## TRANSPORT DIMENSIONS

<b>6mA boom insert</b>	×2
Length	6.24m
Width	3.09m
Height	2.95m
Weight	5.1t
<b>10.5m Boom and boom/jib connecting</b>	×1
Length	12.90m
Width	3.03m
Height	2.97m
Weight	13.5t
<b>Front and rear mast of luffing jib</b>	×1
Length	17.2m
Width	3.04m
Height	2.94m
Weight	15.5t
<b>Connecting jib</b>	×1
Length	10.7m
Width	3.03m
Height	2.74m
Weight	5.75t
<b>Boom/jib connecting section, jib base</b>	×1
Length	6.83m
Width	2.69m
Height	3.35m
Weight	7.8t
<b>12m B luffing jib insert</b>	×2
Length	12.2m
Width	2.69m
Height	2.38m
Weight	4.8t
<b>12m A luffing jib insert</b>	×1
Length	12.2m
Width	2.69m
Height	2.65m
Weight	6.9t
<b>12m C luffing jib insert</b>	×3
Length	12.2m
Width	2.69m
Height	2.38m
Weight	4.8t



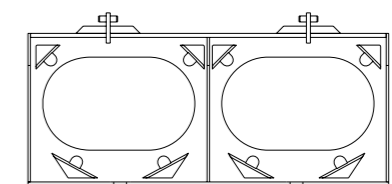
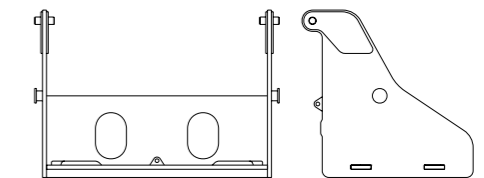
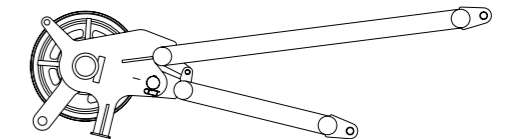
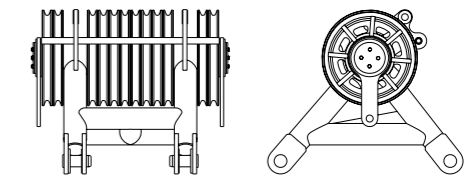
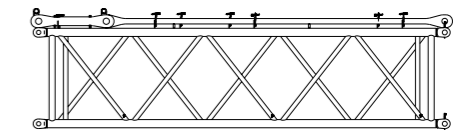
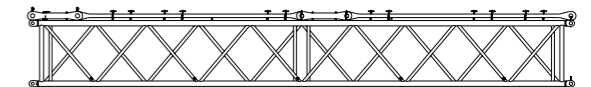
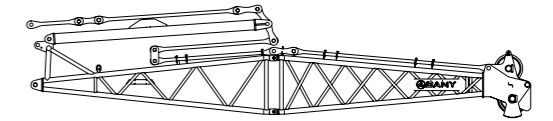
## TRANSPORT DIMENSIONS

<b>6mA luffing jib insert</b>	×1
Length	6.2m
Width	2.69m
Height	2.38m
Weight	2.9t
<b>6mB luffing jib insert</b>	×1
Length	6.2m
Width	2.69m
Height	2.38m
Weight	2.7t
<b>Luffing jib tip</b>	×1
Length	8.06m
Width	2.61m
Height	3.36m
Weight	6.8t
<b>Superlift mast tip and base (including winch)</b>	×1
Length	12.53m
Width	2.7m
Height	1.91m
Weight	14t
<b>12m superlift mast insert</b>	×1
Length	12.2m
Width	2.71m
Height	2.44m
Weight	6.2t
<b>6m superlift mast insert</b>	×1
Length	6.2m
Width	2.95m
Height	2.54m
Weight	3t



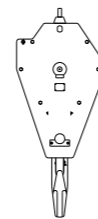
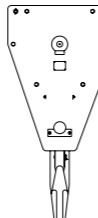
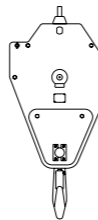
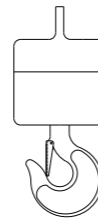
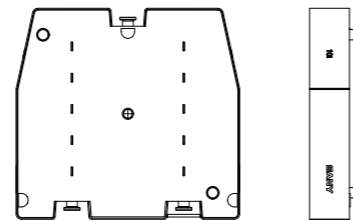
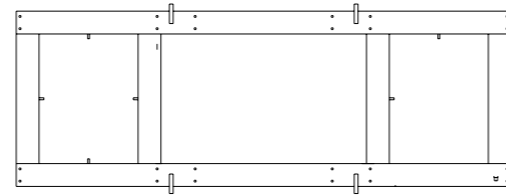
## TRANSPORT DIMENSIONS

<b>Fixed jib (including fixed jib mast)</b>	×1
Length	12.76m
Width	2.98m
Height	2.82m
Weight	4.79t
<b>12m fixed jib insert</b>	×1
Length	12.16m
Width	1.97m
Height	1.70m
Weight	2.2t
<b>6m fixed jib insert</b>	×2
Length	6.16m
Width	1.97m
Height	1.70m
Weight	1.2t
<b>Pulley block</b>	×2
Length	1.47m
Width	1.45m
Height	1.22m
Weight	1.8t
<b>Boom extension</b>	×1
Length	2.98m
Width	1.71m
Height	0.85m
Weight	0.5t
<b>Rear counterweight tray</b>	×2
Length	2.75m
Width	2.71m
Height	2.05m
Weight	6.2t
<b>Central counterweight tray</b>	×2
Length	5m
Width	2.99m
Height	0.89m
Weight	3.42t



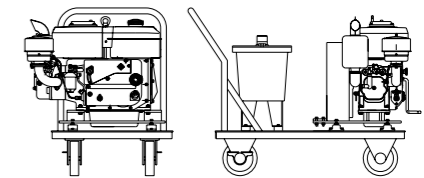
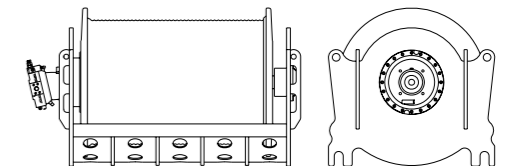
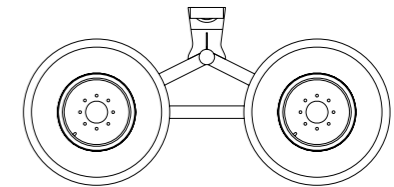
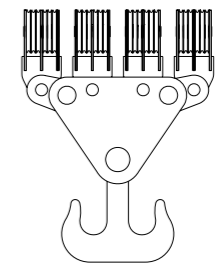
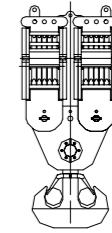
## TRANSPORT DIMENSIONS

<b>Superlift counterweight tray</b>	×1
Length	9.14m
Width	2.49m
Height	0.8m
Weight	9.1t
<b>Counterweight block</b>	×56
Length	2.49m
Width	2.35m
Height	0.555m
Weight	10t
<b>18t hook block</b>	×1
Length	0.6m
Width	0.6m
Height	1.5m
Weight	1t
<b>50t lifting hook</b>	×1
Length	0.80m
Width	0.48m
Height	2.1m
Weight	1.55t
<b>100t lifting hook</b>	×1
Length	0.86m
Width	0.75m
Height	2.27m
Weight	3.5t
<b>150t lifting hook</b>	×1
Length	0.86m
Width	0.88m
Height	2.39m
Weight	4.8t



## TRANSPORT DIMENSIONS

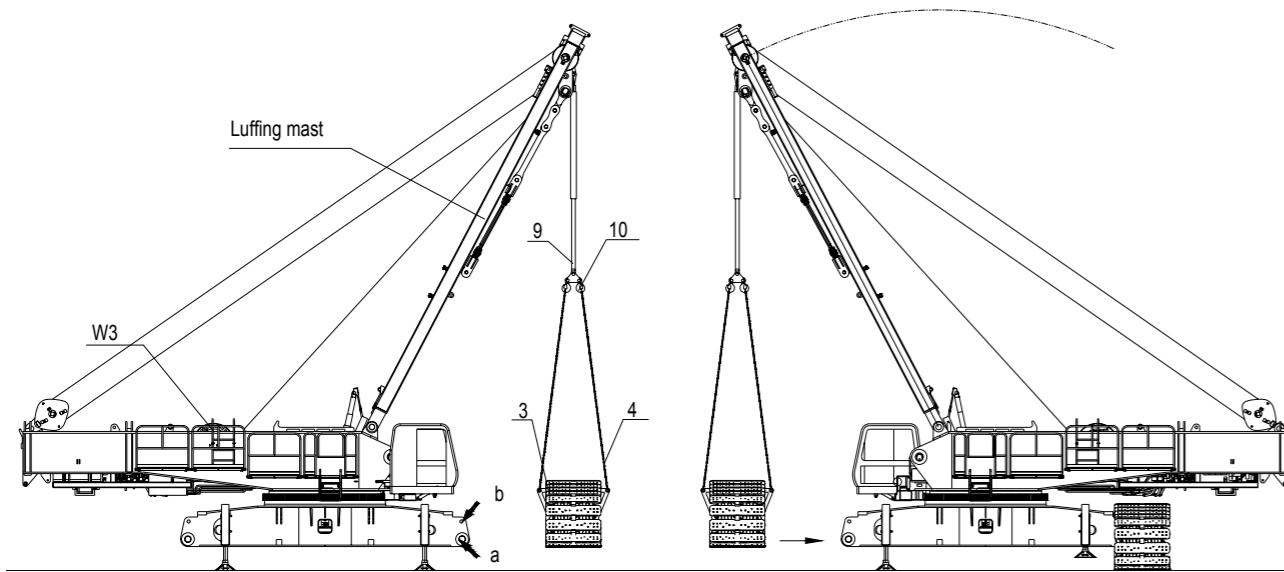
<b>250t Lifting hook</b>	×1
Length	1.53m
Width	1m
Height	3.47m
Weight	8t
<b>650t lifting hook</b>	×1
Length	3.7m
Width	1.15m
Height	4.31m
Weight	19.2t
Note: 650t lifting hook block can be disassembled into two 325t lifting hooks.	
<b>Trolley</b>	×1
Length	3.3m
Width	2.0m
Height	1.61m
Weight	1.9t
<b>Hoisting mechanism</b>	×2
Length	2.15m
Width	1.3m
Height	1.24m
Weight	7.3t
<b>Mobile pump station</b>	×1
Length	1.36m
Width	0.87m
Height	0.98m
Weight	0.2t



Notes: 1.The transport dimensions of the parts are not drawn by scale; the dimensions indicated are the design values excluding package.  
2.The weight is the design value and there may be difference due to manufacturing error.

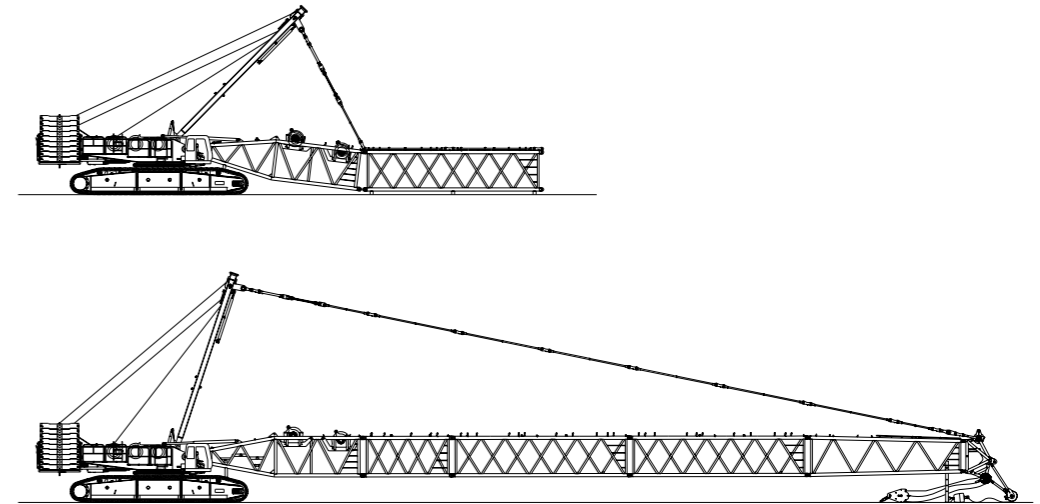
## ASSEMBLY/DISASSEMBLY

Self-assembly diagram of crawler crane:

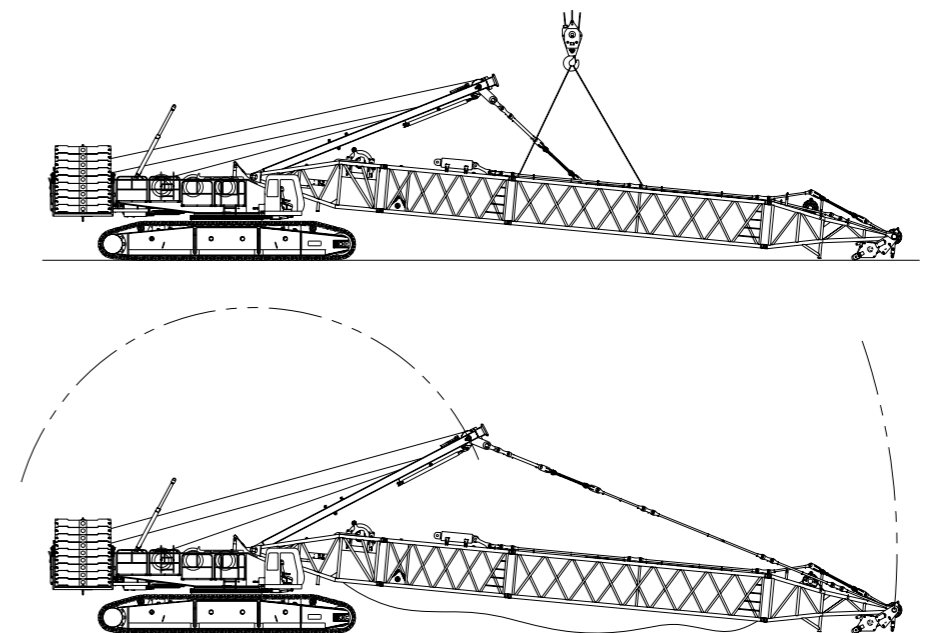


## ASSEMBLY/DISASSEMBLY

1) Assembly diagram of boom:

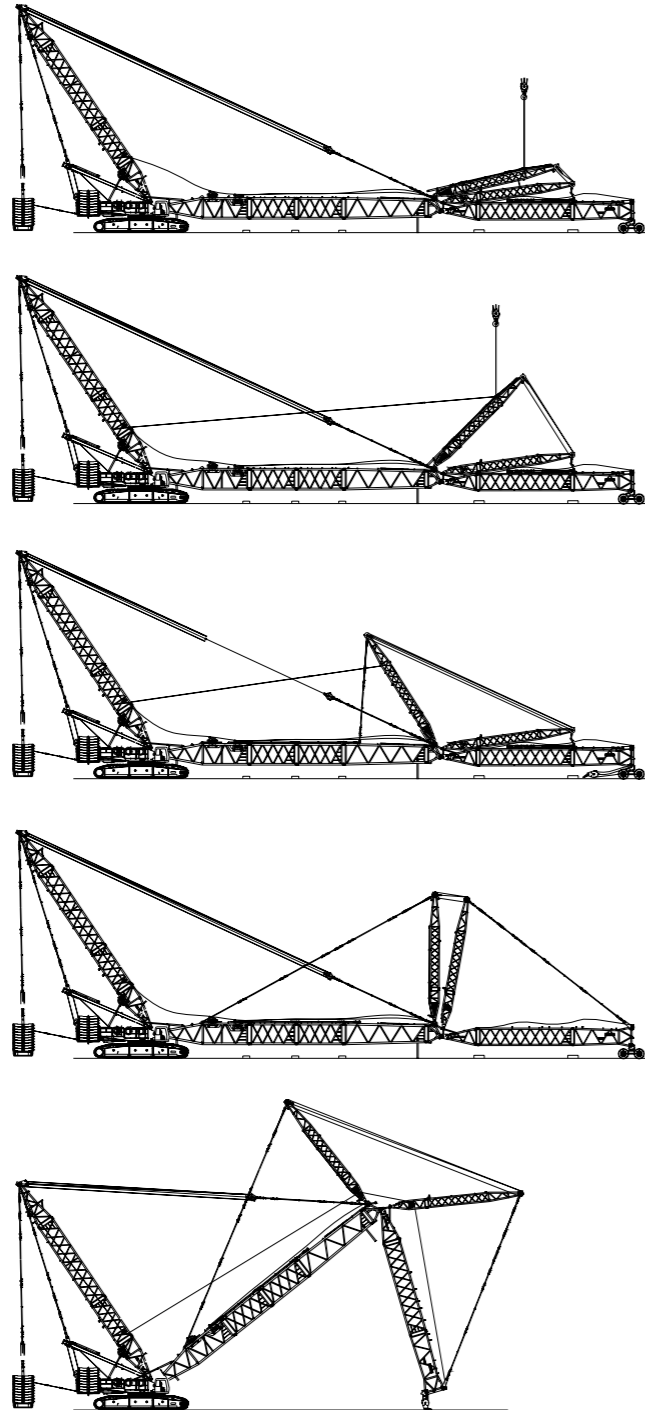


2) Assembly diagram of superlift mast:



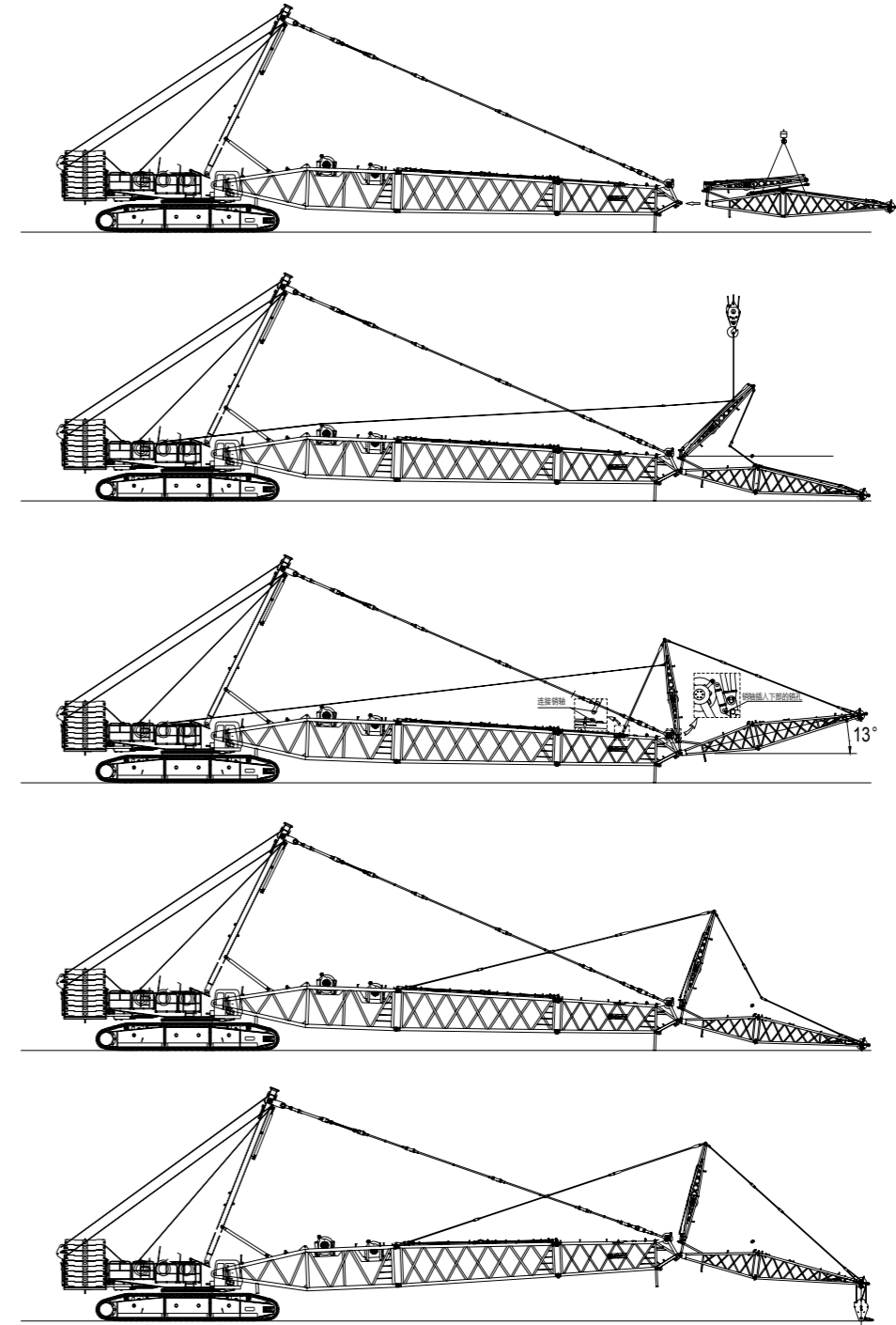
## ASSEMBLY/DISASSEMBLY

3) Assembly diagram of luffing jib:



## ASSEMBLY/DISASSEMBLY

4) Assembly diagram of fixed jib:





# SCC6500E

Superstructure	17
Undercarriage	20
Operation Devices	21
Safety Devices	22
Counterweight Parameters	25

## SUPERSTRUCTURE

### 1) Engine

- Eight-cylinder water-cooled engine rated power 447Kw at 1800rpm; Max. rated torque 2542N·m at 1400rpm.

### 2) Electrical System

It consists of power system, engine control system, main control system, load moment system, auxiliary control system, emergency backup system and CCTV monitoring system. etc. CAN buses are used among the controller, display, operating handle, encoder, engine and load moment limiter for data transmission, improving the system reliability.

### 3) Hydraulic System

- The hydraulic system includes: hoisting hydraulic system, traveling hydraulic system, slewing hydraulic system, luffing hydraulic system, servo hydraulic system, backstop hydraulic system, cooling system, and auxiliary hydraulic system, etc.
- Characteristics: The main system entirely adopts the closed circuit and is energy-conserving, efficient, and highly controllable; the starting, stopping and reversing are stable with no shock, fast response to operation, little heat generated, and long life. Electric proportion control elements are widely used to facilitate precise and smart control.

### 4) Main and Auxiliary Hoisting Mechanisms

The planet gear speed reducer of variable displacement hydraulic motor is used to control the lift and drop of main hoist I and main hoist II, and meanwhile, with a good dead slow speed property, the fastest gear can realize fast power lift of main hoist I and main hoist II; One winch can hoist within 325t and two winches can hoist over 325t ; it requires the operation of both hoists; main hoist I and main hoist II can be synchronized; the Max.multiplying factor is 48; the multi-layer winding of reels with twisted rope fold line drum ensures the smooth winding of ropes, and the reducer is characterized by low noise and high efficiency, long life and easy oil change.

#### NO.1 Main hoisting mechanism

Drum diameter	630mm
Rope speed of the outermost working layer	0~110m/min
Wire rope diameter	28mm
Wire rope length of main winch	1180m
Rated single rope tension	16.4t

#### NO.2 Auxiliary hoisting mechanism

Drum diameter	630mm
Rope speed of the outermost working layer	0~105m/min
Wire rope diameter	28mm
Wire rope length of auxiliary winch	665m
Rated single rope tension	16.4t

## 5) Luffing Mechanism

- Including: boom luffing mechanism, jib luffing mechanism, and superlift luffing mechanism.
- All luffing devices adopt fold line drum the reels with twisted ropes and are driven by the hydraulic motor via planet reducer, and they may achieve many compound actions and provide a good dead slow speed property.

### NO.3 Main luffing mechanism

Drum diameter	630mm
Rope speed of the outermost working layer	(0~48)×2m/min
Wire rope diameter	28mm
Wire rope length of main luffing	715m

### NO.4 Auxiliary luffing mechanism

Drum diameter	630mm
Rope speed of the outermost working layer	0~105m/min
Wire rope diameter	28mm
Wire rope length of auxiliary luffing	960m

### NO.5 Superlift luffing mechanism

Drum diameter	630mm
Rope speed of the outermost working layer	0~120m/min
Wire rope diameter	28mm
Wire rope length of superlift luffing	1020m

## 6) Swing Mechanism

The swing system adopts double motors to drive the spur gear drive via the planetary reducer, capable of providing 360° rotation; the swing speed is 0~1.2rpm gear is of stepless speed regulation; the swing is quite stable, with the function of neutral free slipping. swing ring: Triple-row roller outer teeth swing ring.

## 7) Counterweight System

- Central counterweight: 80t
- Counterweight block: 10t×8
- Rear counterweight of machine: 190t
- Counterweight block: 10t
- Trays and accessories: 10t
- Superlift counterweight: 310t
- Counterweight block: 10t
- Trays and accessories: 10t

## 8) Cab

- The cab is of an all-enclosed steel frame structure; reinforced glass is installed at the front and back; structural plates are installed on the top, providing for good light transmission, high strength and high abrasion resistance, and low indoor noise (below 85dB), and inside the cab are installed the control device, detection instruments, fire extinguisher and alarm device, and CCTV monitoring system. It is completely designed according to ergonomics.
- The cab can be adjusted according to the operating needs, capable of realizing 15° upward, and it can be rotated to the right front of platform, making transportation very convenient.

## 9) Control Operation

Load Moment Limiter display, instruments display and CCTV monitor are within the operator's vision. LMI display mainly monitors the moments of the crane and other parameters. Instruments display mainly shows the working status of the crane, control parameters of all devices and sends alarm. CCTV monitor shows the real time working condition of the winch and the surroundings of the rear platform. There are three operating handles on left and right armrests, the control functions are changed by switching the keys on the handles. The chosen function will be displayed.

## 10) Alarm Display

When an alarm appears, corresponding alarm information will be indicated on the display in the forms of code and text.

## UNDERCARRIAGE

### 1) Traveling Drive

The traveling system has two gearshifts, and it provides a strong traction force, capable of realizing 70% steering and traveling under load; each travel reducer is independently driven, and may flexibly perform forward, back or spot turning steering.

### 2) Travel Brake

The travel brake is normally engaged in the reducer (namely, it is in the braking state when the travel handle is not operated). It can compensate automatically without requiring adjustment. When the travel handle is operated, the brake will be released automatically to realize traveling.

### 3) Crawler Shoe

The crawler units at the left and right have 140 crawler shoes totally, each 1,500mm wide.

The tensity of crawler shoe can be adjusted via the hydraulic jack, and an ideal tensity can be achieved through adjusting the position of adjusting gasket.

### 4) Chassis

With a high-strength welded frame structure, it adopts the hydraulic cylinder to drive the power pin to connect with crawler frame, and the assembly and removal are very convenient and easy.

### 5) Travel Speed

The variable displacement motor can realize two speeds, achieving infinite variable speed in each gear. High speed: 0~1.0km/h; low speed 0~0.4 km/h. It may ensure smooth operation of equipment and realize traveling.

## OPERATION DEVICES

All pipes of the operation device are high-strength steel tubes, and the plates are high-strength steel plates. The luffing bearing is also made of high-strength steel pipes. Pulley materials: the pulleys on boom lever all use the rolling welded pulleys, and all lifting hooks use rolling welded pulleys.

### 1) Boom

- The boom is the lattice structure with uniform section in the middle and variable sections at both ends. It is welded with steel pipes, and the top and root segment of boom are reinforced with steel plates, which is more favorable to transmit loads.
- The length of boom ranges between the basic boom (24m) and the Max.length (108m).
- Composition: Boom base 12m×1, transitional section 10.5m×1, connecting section 1.5m×1, boom insert 6m×2, and boom insert 12m×6.

### 2) Main Luffing Mast

Integrally a door-shaped strut, it is welded with high-strength steel plate, extending 11.3m long, and the middle part has a beam for reinforcement. The structural strength is high with good rigidity.

### 3) Luffing Jib

- The boom is the lattice structure with uniform section in the middle and variable sections at both ends. It is welded with steel pipes, and the top and root segment of boom are reinforced with steel plates, which is more favorable to transmit loads.
- The available jib length is 24m~96m (tip 7.5m×1, and base 4.5m×1), and jib inserts, 6m×2 and 12m×6 long.
- The jib luffing depends on the front mast and rear mast of luffing jib; the spatial truss structure has variable sections at both ends and uniform section in the middle of the mast.
- The rear mast of luffing jib is 16m long, and the front mast of luffing jib 16.5m long.

### 4) Lifting Hook

Standard configuration: 18t hook ball

- 50t hook block
- 100t hook block
- 150t hook block
- 250t hook block
- 650t hook block (which can be disassembled into 325t lifting hooks)

### 5) Superlift Mast

- It is the spatial lattice structure with variable sections at both ends and uniform section in the middle. It is welded with steel pipes, the top and root segment of boom are reinforced with steel plates, which is more favorable to transmit loads.
- The superlift mast is 30m long.
- Composition: tip 6m, base 6m, insert 6m×1, and insert 12m×1.

### 6) Operating Conditions

- Boom Operating condition (H)
- H+ superlift mast + superlift counterweight (HDB)
- Operating condition of Mixed boom (HJ)
- Operating condition of mixed boom + superlift mast + superlift counterweight (HJDB)
- H+ luffing jib (LJ)
- H+ luffing jib + superlift mast + superlift counterweight (LJDB)
- H+ heavy-duty short fixed jib + superlift mast + superlift counterweight (FJh DB)
- H+ light-duty fixed jib (FJ)
- H+ Light-duty fixed jib +superlift mast +superlift counterweight (FJDB)
- Mixed boom+ fixed jib(HJFJ)
- Mixed boom + fixed jib + superlift mast + superlift counterweight (HJFJDB)

Notes: The operation devices above are in all configurations, and the specific configuration should be subject to contract for goods.

# SAFETY DEVICES

## 1) Load Moment Indicator

- A Sany made load moment limiter is used and it forms a network with other controllers via CAN bus to realize safe and reliable control. The load moment limiter may automatically detect the weight hoisted by the crane and the angle of boom, and displays the rated loading capacity and actual load, operating radius and the allowable height of lifting hook.
- The load moment limiter system is composed of a large screen color display, basic machine, angle sensor, tension sensor, and pressure sensor, etc.

## 2) Main and Auxiliary Hoisting Limiter

The limit switch is used for preventing the hooks from being over-lifted; when the lifting hook is lifted to a certain height, the limit switch will get activated, with a buzzer on the console sending an alarm; meanwhile the lifting action of the hook is forced to stop and drop to avoid the over lifting of the hook.

## 3) Lowering Limiter of Main and Auxiliary Winch

When the wire rope is rolled out near the last three circles, the electric control system will automatically shut off the dropping action of hook and give an alarm via the buzzer and display.

## 4) Switch for Assembly Mode/Operating Mode

- Under the installation mode, the over roll-out lowering limit device, boom limit device and load moment indicator do not function to facilitate installation of crane.
- While under the operating mode, all these safety devices are functioning.

## 5) Boom Angle Limit Device

- When the boom angle is over 85° and the jib angle over 75°, the corresponding limit switch actuates to make the buzzer give an alarm. At the same time, the boom will stop automatically.
- The raising operation of luffing drum does not function. But the lowering operation can be realized. When the lowering angle of boom is lower than 30° and the angle of jib lower than 15°, the manipulation will be limited, and the protection function will be controlled automatically by the load moment limiter.

## 6) Boom Back-stop Device

- The boom and superlift mast have a pair of back-stop cylinders respectively. The high pressure of back-stop cylinder need be conquered when the boom tilts backward; the hydraulic system automatically compensates the high pressure oil and strains the boom when the support sets out forward so as to prevent the vibration and back-tilting of boom in operation.
- The fixed mast of jib is equipped with a back-stop device, and the luffing mast of jib a pair of oil cylinders so as to prevent the mast from being tilted backward and straining the luffing wire rope of jib.
- A mechanical back-stop device is equipped to prevent the jib from being tipping back when its angle is up to 75°.

## 7) Hoisting Mechanism Brake

All hoisting brakes are spring-loaded normal-engaged disk brakes, which provide a big braking force and is safe, reliable, free of maintenance, and durable.

## 8) CCTV Monitoring System

It can monitor the winding condition of wire ropes on each hoisting mechanism, status of superlift counterweight, and the situation surrounding equipment.

## 9) Self-diagnosis System

It can eliminate the fault conveniently according to the fault codes.

## 10) Black Box

It can record the operating situation of the driver and operation parameters of equipment, and this is favorable to analysis of accident cause.

## 11) Pharos

It is installed on the top of boom.

## 12) Anemometer

It is installed on the top of boom to have real-time monitoring over the wind velocity and display it on the monitor.

## 13) Gradiometer

The electronic gradiometer displays the inclining angle of crane on the monitor and guarantees the safe operation of crane.

## 14) Lightning Protection Device

It includes the grounding device and surge protection device, which can effectively prevent the damage to devices of electrical system and working staff in case of lightning stroke.

## 15) Boom Angle Indicator

Pendulum-type angle indicator secured is installed on one side of the boom base.

## 16) Hook Clamp

The hook is equipped with a clamp plate to prevent the wire rope from falling off.

## 17) Swing and Traveling Alarm

While swinging and travelling, the alarm will be activated in certain frequency to warn nearby personnel.

## 18) Manipulation Release

Once the function lock stick on the right side of driver's seat is pulled or the operator leaves his seat, all manipulation stops are not functioning to prevent misoperation due to body collision when the driver getting on/off the crane.

## 19) Engine Power Limit Load Adjustment and Stalling Protection

The controller monitors the engine power to prevent the engine from stalling.

**20) Engine Monitoring Instrument**

It can display the water temperature, fuel quantity, accumulated operating duration, oil pressure, engine speed, charging status of battery, and voltage.

**21) Emergency Operating System**

The independent operating box of circuit is connected to the Electrical cabinet via the connector. In case of emergency, the main operations like hoisting, luffing, slewing, and traveling can all be realized.

**22) Remote Monitoring System**

It monitors and analyzes the operation data so as to have remote diagnosis over the faults and thus to solve problems in time.

**23) Emergency Stop Device**

In case of emergency that the crane is out of control suddenly, press down the emergency stop button so that the hoisting, luffing, slewing and traveling actions are all under emergency braking and the engine shuts down.

**COUNTERWEIGHT PARAMETERS**

Counterweight Parameters					
Name	Q' ty	Length(m)	Width(m)	Height(m)	Weight of single piece (t)
Central counterweight tray	2	5	2.99	0.89	3.42
Central counterweight block	8	2.49	2.35	0.555	10
Machine counterweight tray	2	3	2.71	2.05	6.2
Machine counterweight block	18	2.49	2.35	0.555	10
Superlift counterweight tray	1	9.14	2.49	0.77	9.1
Superlift counterweight block	30	2.49	2.35	0.555	10

Hook Parameters					
Hook name	Max. hoisting capacity	Q' ty	Number of pulleys	Multiplying factor	Weight of single piece (t)
650t lifting hook	650t	1	2×13	2×24	19.2
250 lifting hook	250	1	2×5	2×10	8
150t lifting hook	150t	1	5	11	4.5
100t lifting hook	100t	1	3	7	3.5
50t lifting hook	50t	1	1	3	1.55
18t hook block	18t	1	None	1	0.98

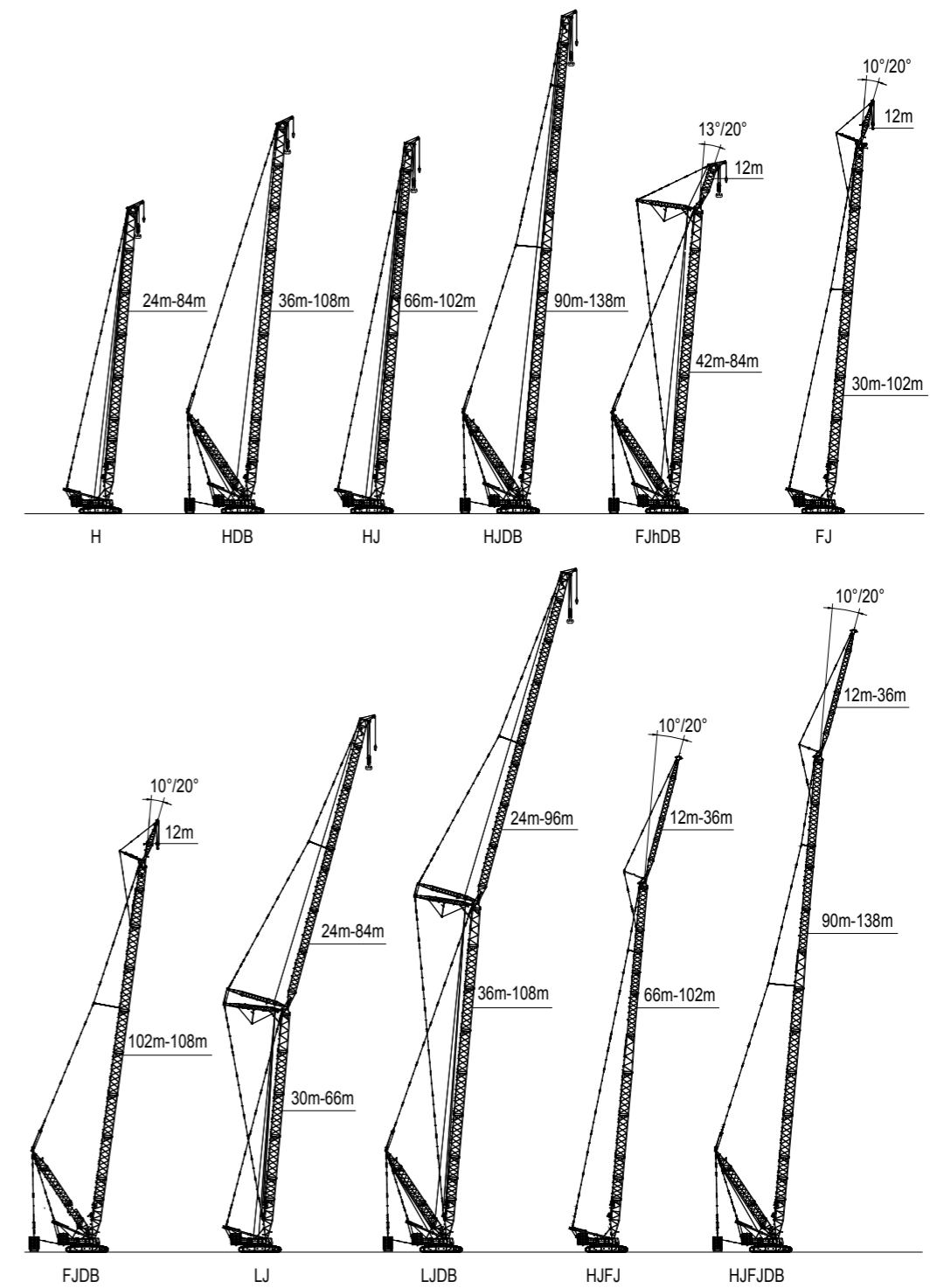
Notes: The 650t lifting hook can be decomposed into two 325t lifting hooks.



# SCC6500E

Combination of Operating Conditions	27
H Operating Condition	28
HDB Operating Condition	31
HJ Operating Condition	35
HJDB Operating Condition	39
LJ Operating Condition	45
LJDB Operating Condition	51
FJ <sub>n</sub> DB Operating Condition	71
FJ Operating Condition	75
FJDB Operating Condition	78
HJFJ Operating Condition	81
HJFJDB Operating Condition	84

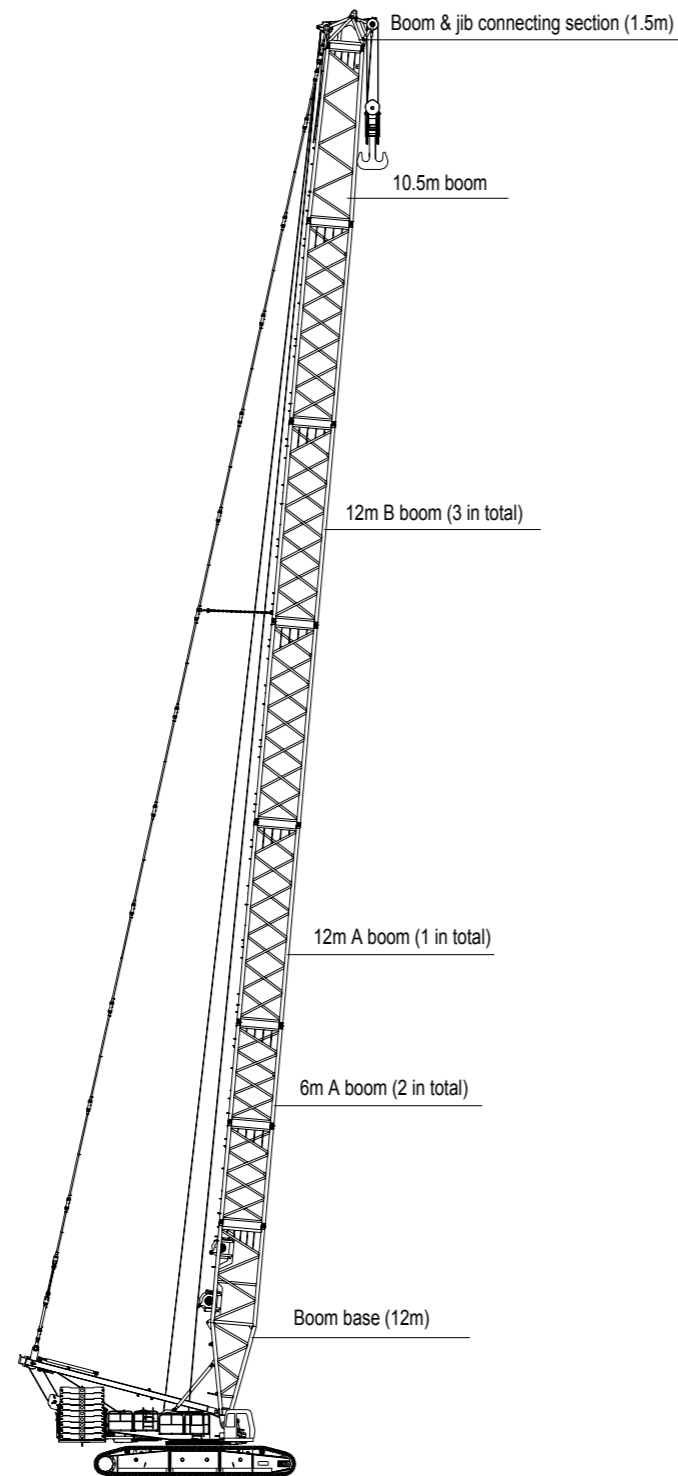
## COMBINATION OF OPERATING CONDITIONS



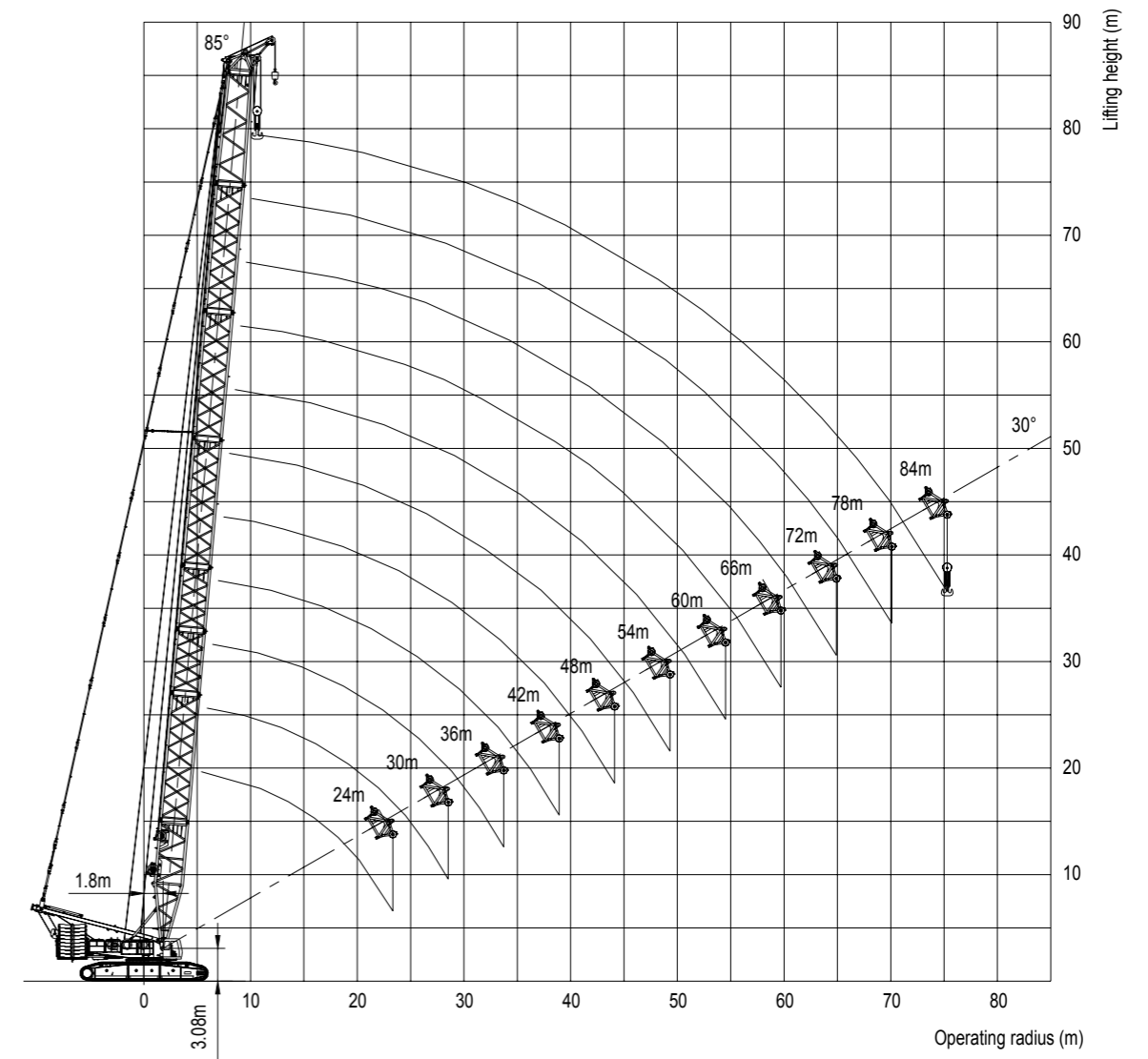
## H OPERATING CONDITION

Boom Length (m)	Insert		
	6m	12mA	12mB
24	-	-	-
30	1	-	-
36	2	-	-
42	1	1	-
48	2	1	-
54	1	1	1
60	2	1	1
66	1	1	2
72	2	1	2
78*	1	1	3
84*	2	1	3

Notes: the 24m basic boom is composed of the boom tip, 10.5m boom and main/auxiliary connecting sections.  
 \* indicates when the length of boom is 78m or 84m, the waist rope must be used; otherwise the boom is at the risk of fracture.



## H OPERATING CONDITION RANGE DIAGRAM



# H OPERATING CONDITION LOAD CHARTS

## SCC6500E Crawler Crane – Load Chart of H Operating Condition

Boom length 24m-84m Rear counterweight 190t Central counterweight 80t

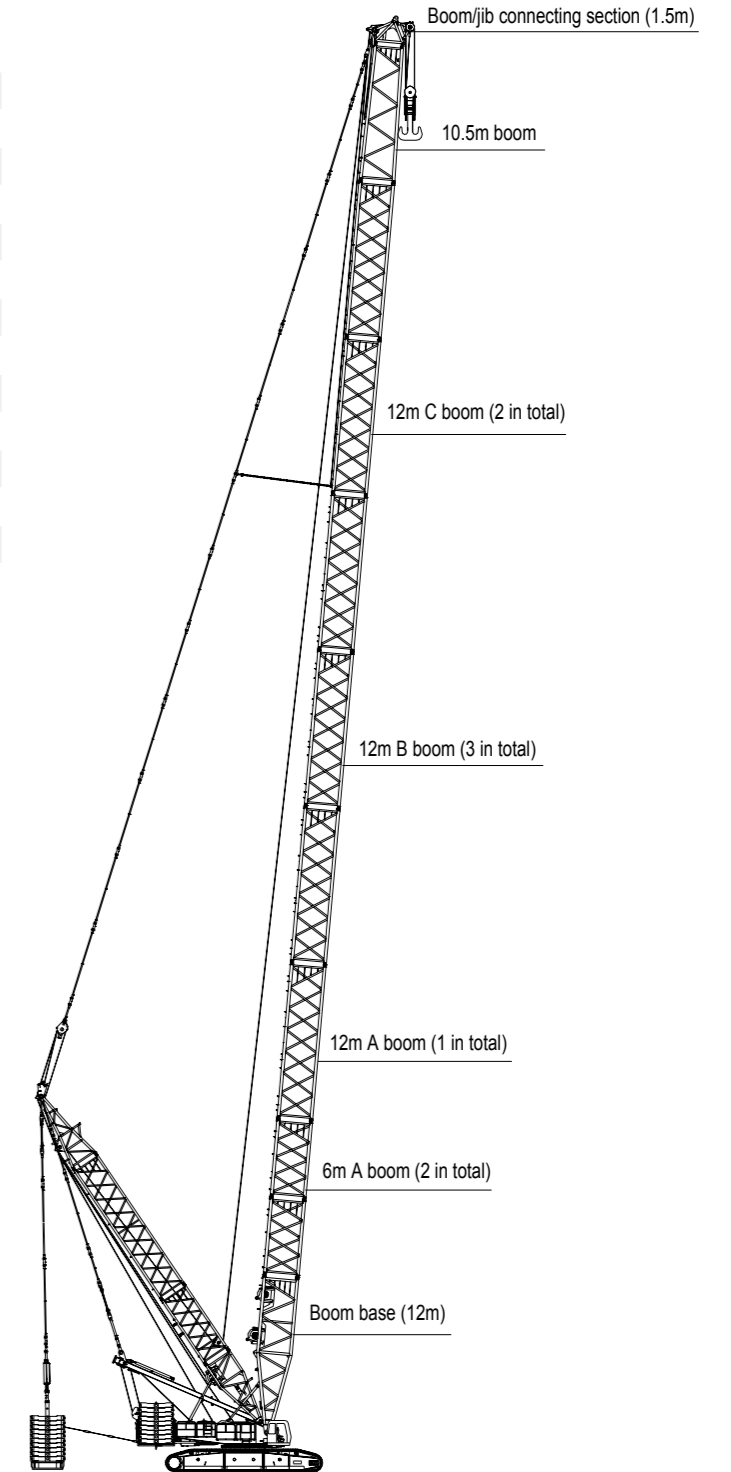
Unit: (t)

Boom length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	Boom length(m) Radius(m)
6	650											6
7	593	590	547									7
8	523	522	487	464	453							8
9	460	457	451	425	418	408	384					9
10	390	372	367	358	355	354	349	338	330			10
12	299	285	284	276	274	272	270	268	267	266	264	11
14	228	221	219	215	210	208	207	207	206	206	205	12
16	188	185	178	174	171	169	167	166	165	164	163	13
18	160	151	149	145	142	141	140	139	137	136	136	14
20	137	131	128	125	123	122	121	121	121	121	120	15
22	118	114	111	110	106	104	103	103	102	102	101	16
24		107	102	99	95	92.5	92	92	92	92	91.4	17
26		102	99	97	93	91.6	90.5	89.6	88.8	87.8	84.4	18
28		96	94	92.6	89.4	89.1	87.1	86.6	85.1	79.6	76.5	19
30			89	85.5	83.3	82.2	78.2	76.8	74.3	72.5	67.6	20
34				74.5	72.3	70.7	70.3	70.1	67.6	60.6	56.0	22
38				66.3	62.9	62.1	61.7	61.5	60.2	51.2	44.2	24
42					55.7	55.1	54.1	53.6	52.2	43.1	35.1	26
46						47.2	43.9	42.5	40.8	33.2	27.8	28
50							37.2	36.2	34.1	26.4	19.5	30
54							28.6	27.2	25.5	21.6	14.8	32
58								23.4	22.4	18.8	10.9	34
62									19.5	15.8	8.6	36
66										14.7	6.4	38

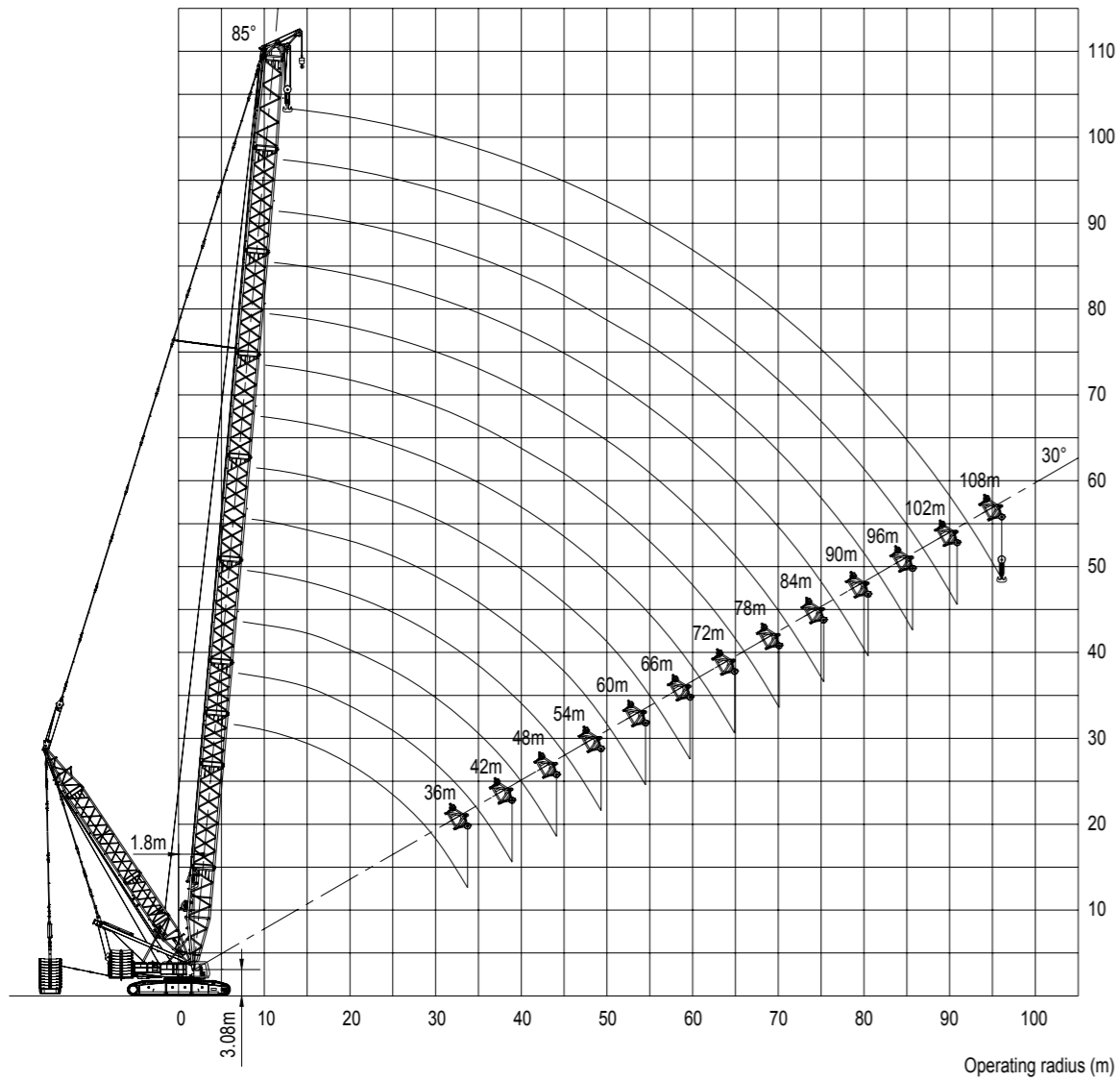
# HDB OPERATING CONDITION

Boom length (m)	Insert			
	6m	12mA	12mB	12mC
36	2	-	-	-
42	1	1	-	-
48	2	1	-	-
54	1	1	1	-
60	2	1	1	-
66	1	1	2	-
72	2	1	2	-
78*	1	1	3	-
84*	2	1	3	-
90*	1	1	3	1
96*	2	1	3	1
102*	1	1	3	2
108*	2	1	3	2

Notes: the 36m basic boom is composed of the boom tip, two 6m inserts, 10.5m boom, and main/auxiliary connecting sections.  
\* indicates when the length of boom is 78m ~ 108m, the waist rope must be used; otherwise the boom is at the risk of fracture.



# OPERATING RANGE DIAGRAM OF HDB OPERATING CONDITION



# LOAD CHARTS OF HDB OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of HDB Operating Condition

Boom length 36m-108m Superlift Radius 15m Superlift counterweight 310t Rear counterweight 190t Central counterweight 80t

BoomLength(m) Radius(m)	36	42	48	54	60	66	72	78	84	90	96	102	108	BoomLength(m) Radius(m)
7	650													7
8	650	622	609											8
9	650	622	609	575	522									9
10	650	622	609	575	522	455	410							10
11	636	600	599	575	522	455	410							11
12	615	600	599	575	522	455	410	347	309	290	255			12
14	564	557	550	544	522	455	410	347	309	290	255	220	192	14
16	492	489	486	481	475	449	410	347	309	289	253	218	191	16
18	434	431	429	427	424	421	398	346	308	287	249	212	187	18
20	387	385	383	381	379	377	374	336	304	285	246	210	184	20
22	350	348	346	344	342	340	338	327	298	274	242	208	182	22
24	312	316	314	313	311	309	307	305	291	264	236	203	179	24
26	276	290	288	287	285	283	281	279	277	254	231	198	174	26
28	244	267	266	264	262	261	259	257	255	242	226	193	170	28
30	215	242	246	245	243	242	240	238	236	233	213	188	165	30
34		195	212	211	210	207	206	205	204	203	193	173	156	34
38		157	177	183	181	180	179	178	176	174	173	156	145	38
42			146	160	160	158	157	156	154	152	151	144	132	42
46				135	143	141	139	138	136	135	134	132	119	46
50					124	126	125	124	122	121	119	117	111	50
54					106	113	113	112	110	108	107	106	102	54
58						98.4	103	102	100	99	97.3	95.7	93.5	58
62							90.7	93.5	91.3	89.6	88.5	86.3	84.7	62
66								83	83.6	82.5	80.8	78.6	77	66
70								72.6	74.8	75.9	74.2	72	70.4	70
74									66	68.2	68.2	66.5	64.3	74
78										60.5	61	59.9	58.3	78
82											54.4	54.2	52.6	82
86												48.2	47.3	86
90												42.5	42.1	90
94													37	94

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
2.The rated load of main hook with boom extension is the value in the load chart minus the equivalent weight of extension 1t.

# LOAD CHARTS OF HDB OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of HDB Operating Condition

Boom length 36m-108m Superlift Radius 17m Superlift counterweight 310t Rear counterweight 190t Central counterweight 80t

Unit: (t)

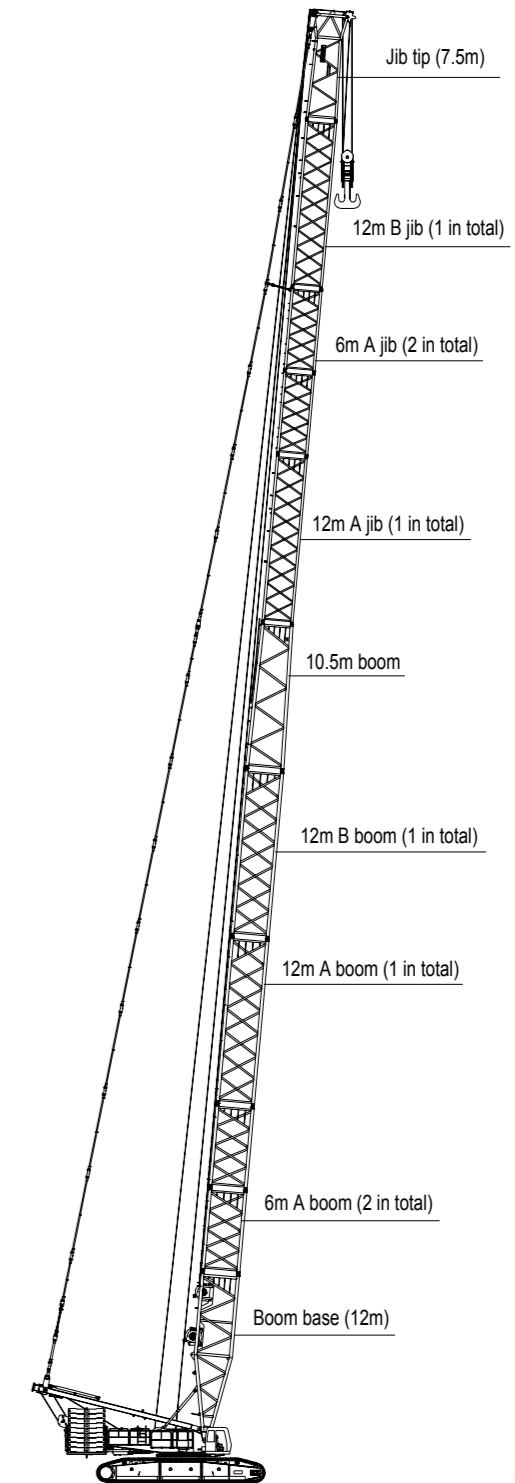
BoomLength(m) Radius(m)	36	42	48	54	60	66	72	78	84	90	96	102	108	BoomLength(m) Radius(m)
7	650	642												7
8	650	640	639											8
9	650	639	638	575	522									9
10	650	639	637	575	522	455	410							10
11	630	600	598	575	522	455	410							11
12	622	600	598	575	522	455	410	347	309	290	255			12
14	601	600	598	560	522	455	410	347	309	290	255	220	192	14
16	538	537	534	500	494	451	410	347	309	289	253	218	191	16
18	473	472	471	444	441	438	406	346	308	287	249	212	187	18
20	421	421	420	396	394	392	389	343	304	285	246	210	184	20
22	380	379	378	358	356	354	352	337	301	282	244	208	182	22
24	345	344	343	326	323	321	319	317	297	275	238	205	179	24
26	316	315	314	298	296	294	292	290	288	264	236	202	176	26
28	291	290	289	275	272	271	269	267	265	252	233	199	172	28
30	269	269	268	255	253	252	250	248	245	242	219	194	167	30
34		233	232	219	218	215	214	213	212	211	201	180	157	34
38		205	204	190	188	187	186	185	183	181	180	162	146	38
42			182	166	166	164	163	162	160	158	157	150	135	42
46				140	149	147	145	144	141	140	139	137	121	46
50					129	131	130	129	127	126	124	122	113	50
54					110	118	118	116	114	112	111	110	104	54
58						102	107	106	104	103	101	99.5	95.4	58
62							94.3	97.2	95	93.2	92	89.8	86.4	62
66								86.3	86.9	85.8	84	81.7	78.5	66
70								75.5	77.8	78.9	77.2	74.9	71.8	70
74									68.6	70.9	70.9	69.2	65.6	74
78										62.9	63.4	62.3	59.5	78
82											56.6	56.4	53.7	82
86												50.1	48.2	86
90													44.2	90
94														94

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
2.The rated load of main hook with boom extension is the value in the load chart minus the equivalent weight of extension 1t.

# HJ OPERATING CONDITION

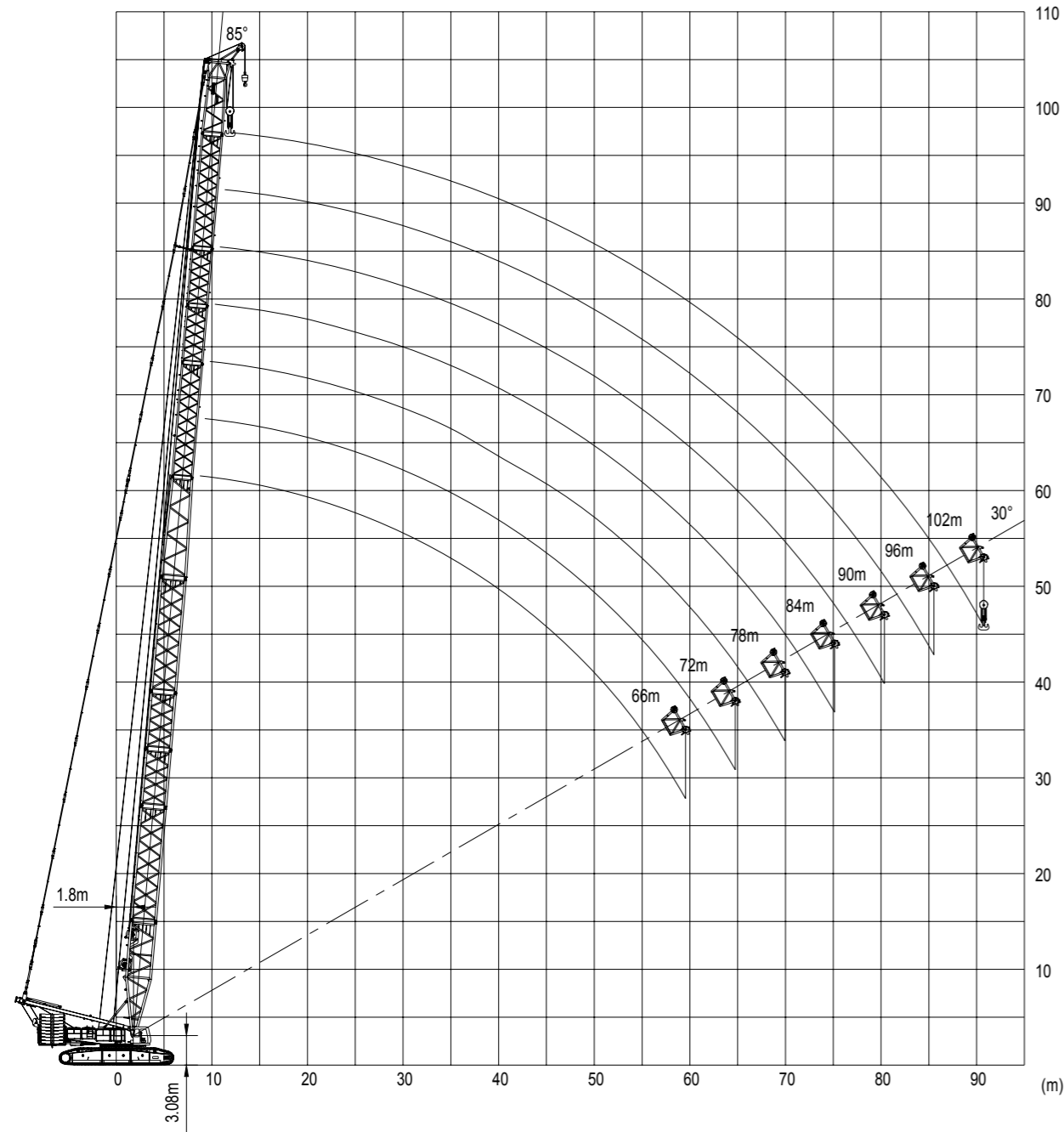
Boom length (m)	Boom insert		Jib insert	
	6 m	12m	6m	12m
66	2	2	-	-
72	2	2	1	-
78*	2	2	2	-
84*	2	2	1	1
90*	2	2	2	1
96*	2	2	1	2
102*	2	2	2	2

Note: \* indicates when the length of boom is 78m ~ 102m, the waist rope must be used; otherwise the boom is at the risk of fracture.





# OPERATING RANGE DIAGRAM OF HJ OPERATING CONDITION



# LOAD CHARTS OF HJ OPERATING CONDITION

**SCC6500E Crawler Crane – Load Chart of HJ Operating Condition**  
 Boom length 66m~102m Rear Counterweight 170t Central Counterweight 0t

Boom length(m) Radius(m)	66	72	78	84	90	96	102	Unit: (t)	Boom length(m) Radius(m)
10	244	233							10
11	224	214							11
12	203	194	187	180	169	151			12
13	187	180	174	167	159	147			13
14	171	166	160	154	149	143	119		14
15	155	152	149	144	140	134	114		15
16	139	138	138	134	130	125	109		16
17	127	126	126	124	122	118	105		17
18	114	114	114	113	113	111	100		18
19	106	106	106	105	105	103	96.3		19
20	97.9	97.4	97.4	96.3	95.7	95.2	92.4		20
22	84.2	84.2	83.6	82.5	82.0	81.4	80.9		22
24	73.7	73.2	72.6	72.1	71.5	70.4	70.4		24
26	64.9	64.4	63.8	63.3	62.7	61.6	61.6		26
28	57.8	57.2	56.7	55.6	55.0	54.8	54.2		28
30	51.7	51.3	50.8	49.8	49.2	48.5	48.1		30
32	46.8	46.4	45.9	44.9	44.2	43.5	43.0		32
34	41.9	41.5	41.0	39.9	39.2	38.4	37.8		34
36	38.2	37.7	37.1	36.0	35.2	34.4	33.8		36
38	34.4	33.9	33.2	32.0	31.2	30.4	29.8		38
40	31.4	30.7	30.1	28.9	28.1	27.2	26.7		40
42	28.3	27.6	27.1	25.7	25.0	24.1	23.5		42
44	25.8	25.1	24.5	23.2	22.4	21.6	21.0		44
46	23.3	22.7	22.0	20.7	19.9	19.0	18.4		46
48	21.3	20.6	20.0	18.6	17.8	16.9	16.3		48
50	19.4	18.6	17.9	16.6	15.7	14.9	14.2		50
54	16.1	15.3	14.5	13.2	12.3	11.4	10.8		54
58	13.4	12.4	11.7	10.3	9.5	8.5	7.8		58
62		10.1	9.2	7.9	6.9	5.9	5.3		62
66			7.3	5.8	4.8				66
70			5.6						70
74									74
78									78

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF HJ OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of HJ Operating Condition

Boom length 66m~102m Rear Counterweight190t Central Counterweight80t

Unit: (t)

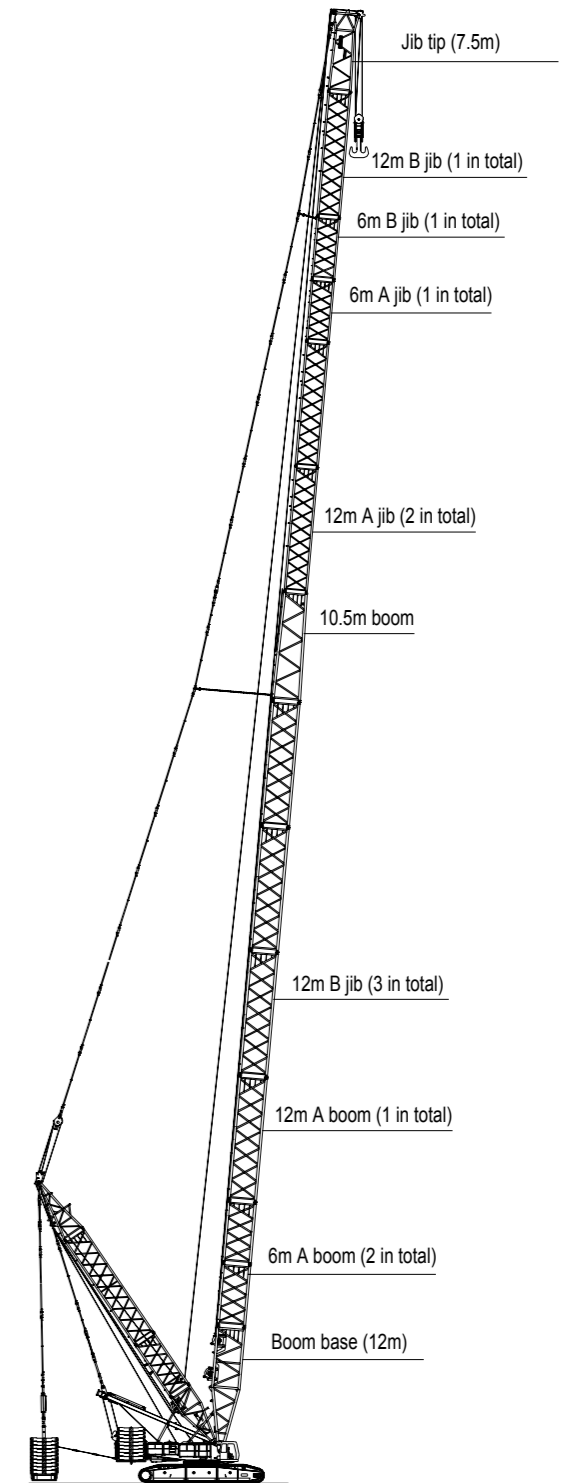
Boom length(m) Radius(m)	66	72	78	84	90	96	102	Boom length(m) Radius(m)
10	293	274						10
11	269	254						11
12	244	234	222	186	169	151		12
13	226	217	207	175	169	151		13
14	208	200	191	165	169	151	119	14
15	189	185	180	156	163	145	114	15
16	169	169	168	146	156	140	109	16
17	156	156	155	139	148	135	105	17
18	142	142	142	131	140	130	100	18
19	131	131	131	124	129	124	96.3	19
20	121	121	121	118	119	119	92.4	20
22	106	105	105	104	103	102	85.8	22
24	92.4	92.4	91.9	90.8	90.2	89.7	79.2	24
26	82.0	81.4	81.4	80.3	79.8	79.2	74.8	26
28	73.2	73.2	72.6	71.5	71.0	70.4	69.9	28
30	66.0	65.5	64.9	64.4	63.3	62.7	62.2	30
32	60.2	59.7	59.2	58.5	57.6	57.0	56.4	32
34	54.5	54.0	53.6	52.6	51.9	51.3	50.7	34
36	50.1	49.6	49.1	48.1	47.4	46.8	46.1	36
38	45.7	45.1	44.6	43.6	42.9	42.2	41.6	38
40	42.1	41.6	41.0	39.9	39.2	38.4	37.8	40
42	38.6	38.1	37.5	36.3	35.5	34.7	34.0	42
44	35.8	35.1	34.5	33.3	32.5	31.6	31.0	44
46	32.9	32.2	31.6	30.3	29.5	28.6	27.9	46
48	30.5	29.8	29.1	27.8	27.0	26.1	25.4	48
50	28.1	27.3	26.6	25.3	24.4	23.5	22.9	50
54	24.1	23.3	22.6	21.2	20.4	19.5	18.7	54
58	20.8	19.9	19.1	17.7	16.8	16.0	15.2	58
62		17.1	16.2	14.9	13.9	12.9	12.2	62
66			13.8	12.3	11.3	10.3	9.6	66
70			11.7	10.1	9.1	8.0	7.3	70
74				8.4	7.2	6.1	5.3	74
78					5.5	4.4		78
82								82

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

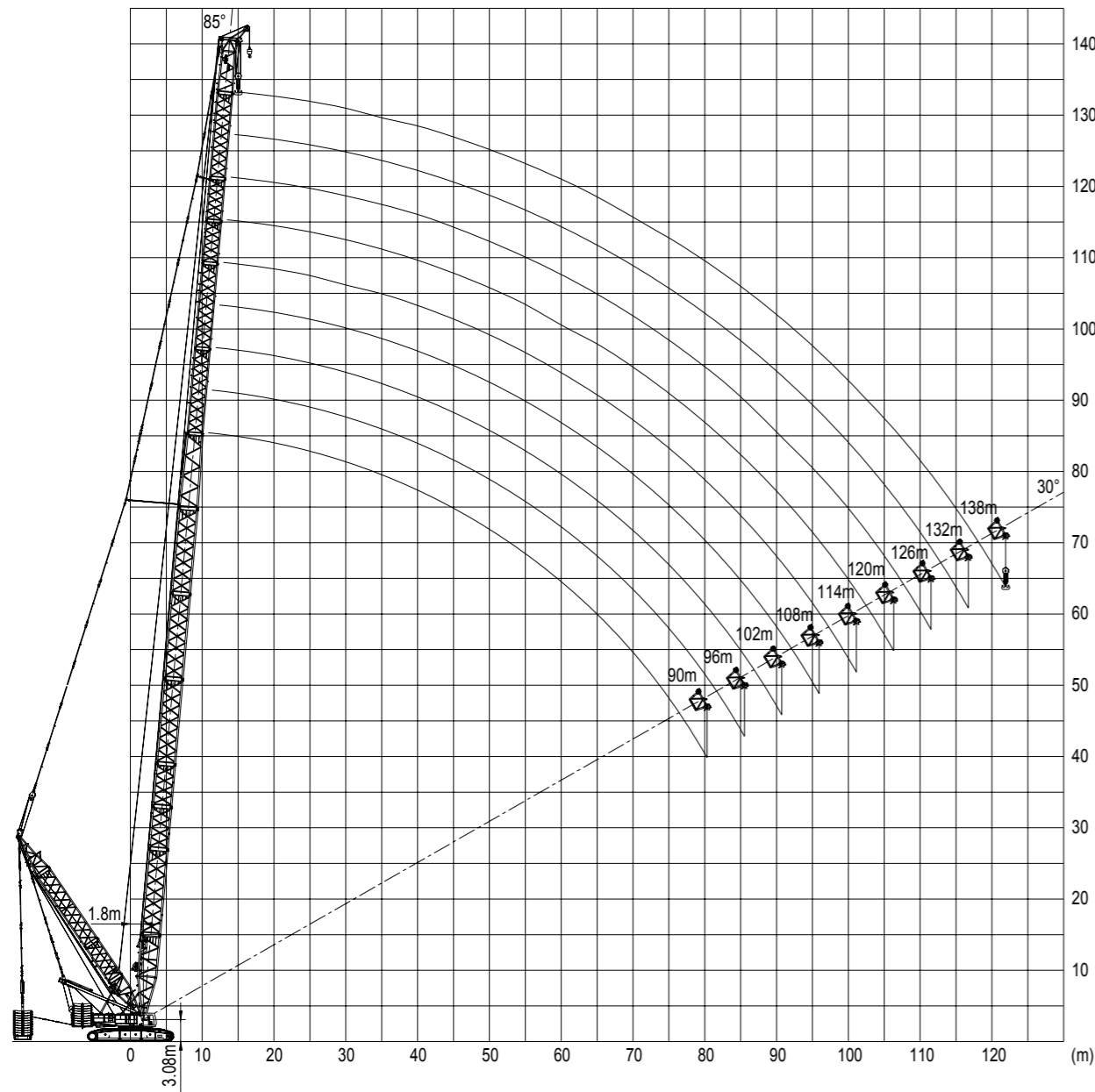
## HJDB OPERATING CONDITION

Boom length (m)	Boom insert		Jib insert	
	6 m	12m	6m	12m
90	2	4	-	-
96	2	4	1	-
102	2	4	2	-
108	2	4	1	1
114	2	4	2	1
120	2	4	1	2
126	2	4	2	2
132	2	4	1	3
138	2	4	2	3

Note: waist ropes must be used for all arm lengths (90m~138m) under the operating condition; otherwise the boom is at the risk of fracture.



# OPERATING RANGE DIAGRAM OF HJDB OPERATING CONDITION



# LOAD CHARTS OF HJDB OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of HJDB Operating Condition

Boom length 90~138m Superlift radius 11m Superlift counterweight 0t

Boom length(m) Radius(m)	Rearcounterweight 170t Central counterweight 0t									Unit: (t)
	90	96	102	108	114	120	126	132	138	
12	187	180								12
13	173	167								13
14	161	156	150	143	123	113				14
15	151	145	141	136	123	113				15
16	141	136	132	128	123	113	100	86.9	73.7	16
17	132	128	124	120	116	111	99.5	86.3	73.1	17
18	121	119	117	113	110	106	99	85.8	72.6	18
19	111	110	110	107	104	100	97.5	84.7	71.5	19
20	102	101	101	100	98.5	95.4	92.3	83.6	70.4	20
22	88	87.4	86.9	85.8	85.8	85.7	83	80.2	68.2	22
24	76.4	75.9	75.3	74.2	74.2	74.2	73.1	70.9	67.1	24
26	66.5	66.5	66	64.9	64.9	64.3	63.8	62.1	59.9	26
28	58.8	58.3	58.3	57.2	56.6	56.6	56.1	54.4	52.6	28
30	52.5	52	51.7	50.7	50.3	50.2	49.8	47.8	46.2	30
32	47.2	46.6	46.2	45.1	44.7	44.6	44.2	42.5	40.9	32
34	41.9	41.2	40.8	39.6	39.1	38.9	38.6	37.2	35.6	34
36	37.6	36.9	36.5	35.3	34.8	34.6	34.2	33	31.5	36
38	33.3	32.6	32.2	31	30.5	30.3	29.9	28.7	27.5	38
40	29.9	29.3	28.8	27.6	27.1	26.9	26.5	25.3	24.2	40
42	26.6	25.9	25.4	24.2	23.7	23.5	23.1	21.8	21	42
44	23.9	23.2	22.7	21.5	21	20.7	20.3	19.1	18.2	44
46	21.2	20.5	20	18.8	18.3	18	17.6	16.3	15.5	46
48	19	18.3	17.7	16.5	16.1	15.7	15.3	14.1	13.2	48
50	16.8	16.1	15.5	14.3	13.8	13.5	13	11.8	10.8	50
54	13	12.4	11.7	10.5	10.1	9.7	9.3	8	7.1	54
58	10	9.2	8.5	7.3	6.9	6.6	6.1	4.8		58
62	7.3	6.6	5.9	4.6						62
66	5.1									66

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.
- 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.
- 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF HJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of HJDB Operating Condition

Boom length 90-138m Superlift radius 11m Superlift counterweight 0t

Rear counterweight 190t Central counterweight 80t

Unit: (t)

Boom length(m) Radius(m)	90	96	102	108	114	120	126	132	138	Boom length(m) Radius(m)
12	223	207								12
13	207	200								13
14	193	187	173	143	123	113				14
15	181	175	169	141	123	113				15
16	169	164	159	139	123	113	100	86.9	73.7	16
17	159	154	150	138	121	111	99.5	86.3	73.1	17
18	147	146	141	136	119	110	99	85.8	72.6	18
19	136	136	134	130	118	109	98.4	84.7	71.5	19
20	125	125	125	123	117	108	97.9	83.6	70.4	20
22	108	108	107	107	106	105	95.7	82.5	68.2	22
24	95.1	94.6	94.6	93.5	92.9	92.9	91.3	80.3	67.1	24
26	84.1	83.6	83	81.9	81.9	81.9	81.4	79.2	64.9	26
28	74.8	74.2	73.7	73.1	72.6	72.6	72	70.4	63.8	28
30	67.1	66.5	66	64.9	64.9	64.3	64.3	63.2	61.6	30
32	60.8	60.3	59.8	58.7	58.6	58.2	58	57	55.5	32
34	54.5	54.1	53.6	52.6	52.3	52.1	51.8	50.8	49.5	34
36	49.8	49.3	48.8	47.7	47.3	47.1	46.8	45.6	44.5	36
38	45.1	44.5	44	42.7	42.3	42.1	41.8	40.4	39.6	38
40	41.1	40.5	39.9	38.7	38.3	38.1	37.7	36.4	35.5	40
42	37.1	36.5	35.9	34.7	34.3	34.1	33.6	32.4	31.5	42
44	33.9	33.3	32.7	31.5	31	30.8	30.4	29.2	28.3	44
46	30.8	30.1	29.4	28.3	27.8	27.6	27.1	25.9	25	46
48	28.1	27.5	26.8	25.6	25.1	24.9	24.4	23.2	22.3	48
50	25.5	24.8	24.2	22.9	22.5	22.3	21.7	20.5	19.6	50
54	21.1	20.4	19.8	18.5	18	17.8	17.3	16	15.1	54
58	17.4	16.7	16	14.8	14.3	13.9	13.5	12.2	11.3	58
62	14.3	13.5	12.8	11.5	11	10.7	10.2	9	8	62
66	11.5	10.7	10	8.8	8.2	7.9	7.4	6.1	5.1	66
70	9.2	8.3	7.5	6.3	5.8	5.5	4.9			70
74	7.1	6.2	5.5							74
78	5.5	4.5								78

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF HJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of HJDB Operating Condition

Boom length 90~138m Superlift radius15m Superlift counterweight310t

Rear counterweight170t Central counterweight0t

Unit: (t)

Boom length(m) Radius(m)	90	96	102	108	114	120	126	132	138	Boom length(m) Radius(m)
12	268*	236*								12
13	267*	235*								13
14	265*	235*	199*	168*	147*	134*				14
15	263*	234*	198*	166*	146*	133*				15
16	261*	234*	196*	165*	145*	133*	119*	105*	90.2*	16
17	259*	233*	196*	163*	144*	132*	119*	105*	89.1*	17
18	257*	233*	195*	161*	144*	132*	118*	104*	88.0*	18
19	255*	232*	194*	160*	143*	130*	118*	103*	87.4*	19
20	253*	230*	193*	159*	141*	129*	118*	103*	86.9*	20
22	249	227*	191*	156*	139*	128*	117*	102*	85.8*	22
24	246	224	189*	152*	138*	126*	116*	101*	84.7*	24
26	242	220	187*	149*	136*	125*	115*	100*	82.5*	26
28	238	217	184	146*	134*	123*	114*	99.0*	81.4*	28
30	232	213	182	143*	132*	122*	113*	97.9*	80.3*	30
32	215	204	177	139*	130*	119*	112*	96.8*	79.2*	32
34	198	195	171	136*	128*	117*	111*	95.7*	78.1*	34
36	184	183	165	133	126*	116*	110*	95.1*	76.4*	36
38	170	170	159	130	124	114*	108*	94.6*	74.8*	38
40	160	160	153	128	121	112	107*	94.0*	73.7*	40
42	150	149	147	125	118	110	106	93.5*	72.6*	42
44	141	141	139	122	116	108	104	92.3*	70.9*	44
46	133	133	132	118	114	106	103	90.7	69.3*	46
48	126	125	125	116	111	104	101	89.1	68.2*	48
50	119	118	118	113	108	102	99.6	87.5	67.1*	50
54	108	107	106	106	104	99	96.4	84.5	63.8*	54
58	98.4	97.3	96.8	95.7	95.7	94.6	93.4	81.7	60.5*	58
62	89.6	89.1	88.5	87.4	86.9	86.9	86.3	79.1	57.2	62
66	82.5	81.9	80.8	79.7	79.7	79.2	78.6	76.7	53.9	66
70	75.9	75.3	74.8	73.7	73.1	72.6	72.6	71.5	50.6	70
74	70.4	69.3	68.7	67.6	67.1	67.1	66.5	65.4	46.2	74
78	65.4	64.3	63.8	62.7	62.1	62.1	61.6	60.5	42.9	78
82		59.9	59.4	58.3	57.7	57.2	56.6	55.5	39.6	82
86			55	54.3	53.6	53.4	52.9	51.8	37.2	86
90			51.8	50.6	50	49.7	49.1	47.8	36.1	90
94				47.3	46.6	46.3	45.6	44.3	35	94
98					43.4	43.1	42.3	41	33.9	98
102						40.1	39.3	38	32.7	102
106							36.6	36.6	35.3	106
110								33.7	32.7	110
114									30	114
118										118
122									23.7	122

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

# LOAD CHARTS OF HJDB OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of HJDB Operating Condition

Boom length 90~138m Superlift radius15m Superlift counterweight310t

Rear counterweight190t Central counterweight80t

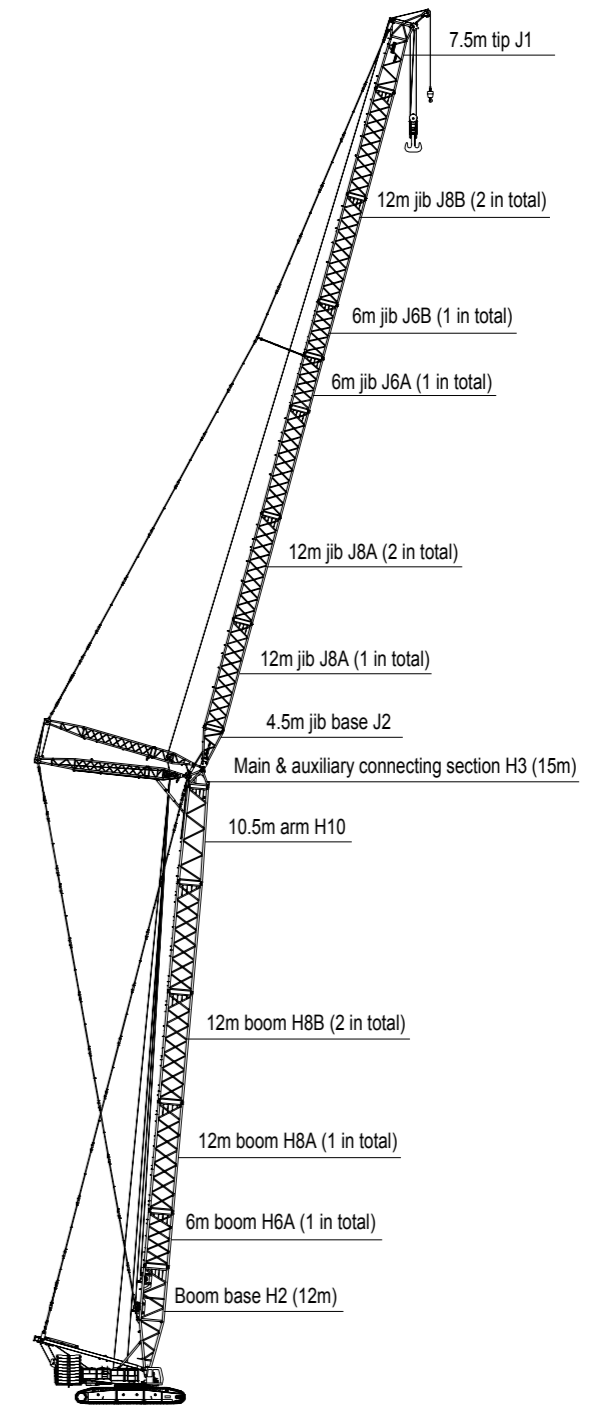
Unit: (t)

Boom length(m) Radius(m)	90	96	102	108	114	120	126	132	138	Boom length(m) Radius(m)
12	268*	236*								12
13	267*	235*								13
14	265*	235*	199*	168*	147*	134*				14
15	263*	234*	198*	166*	146*	133*				15
16	261*	234*	196*	165*	145*	133*	119*	105*	90.2*	16
17	259*	233*	196*	163*	144*	132*	119*	105*	89.1*	17
18	257*	233*	195*	161*	144*	132*	118*	104*	88.0*	18
19	255*	232*	194*	160*	143*	130*	118*	103*	87.4*	19
20	253*	230*	193*	159*	141*	129*	118*	103*	86.9*	20
22	249	227*	191*	156*	139*	128*	117*	102*	85.8*	22
24	246	224	189*	152*	138*	126*	116*	101*	84.7*	24
26	242	220	187*	149*	136*	125*	115*	100*	82.5*	26
28	238	217	184	146*	134*	123*	114*	99.0*	81.4*	28
30	233	213	182	143*	132*	122*	113*	97.9*	80.3*	30
32	221	204	177	139*	130*	119*	112*	96.8*	79.2*	32
34	206	195	171	136*	128*	117*	111*	95.7*	78.1*	34
36	193	187	165	133	126*	116*	110*	95.1*	76.4*	36
38	181	179	159	130	124	114*	108*	94.6*	74.8*	38
40	171	169	153	128	121	112	107*	94.0*	73.7*	40
42	160	159	147	125	118	110	106	93.5*	72.6*	42
44	151	150	141	122	116	108	104	92.3*	70.9*	44
46	141	141	136	118	114	106	103	90.7	69.3*	46
48	134	134	130	116	111	104	101	89.1	68.2*	48
50	127	126	125	113	108	102	99.6	87.5	67.1*	50
54	115	114	114	107	104	99	96.4	84.5	63.8*	54
58	105	104	103	102	100	94.6	93.4	81.7	60.5*	58
62	96.2	95.7	95.1	94	93.5	90.2	90.2	79.1	57.2	62
66	88.5	88	86.9	86.3	85.8	85.2	84.7	76.7	53.9	66
70	81.4	80.8	80.3	79.2	78.6	78.6	78.1	76	50.6	70
74	75.3	74.8	74.2	73.1	72.6	72.6	72	70.9	46.2	74
78	67.1	69.3	68.7	67.6	67.1	67.1	66.5	65.4	42.9	78
82		62.1	63.8	63.2	62.7	62.1	61.6	60.5	39.6	82
86			57.7	58.3	58.3	57.7	57.2	56.1	37.2	86
90			51.9	52.8	53.6	54	53.5	52.2	36.1	90
94				47.4	48.7	49.5	49.5	48	35	94
98					44	45.1	45.4	44.2	33.9	98
102						40.8	41.4	40.5	32.7	102
106							36.6	37.6	36.9	106
110								33.7	33.4	110
114									30	114
118										118
122										122

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

# LJ OPERATING CONDITION

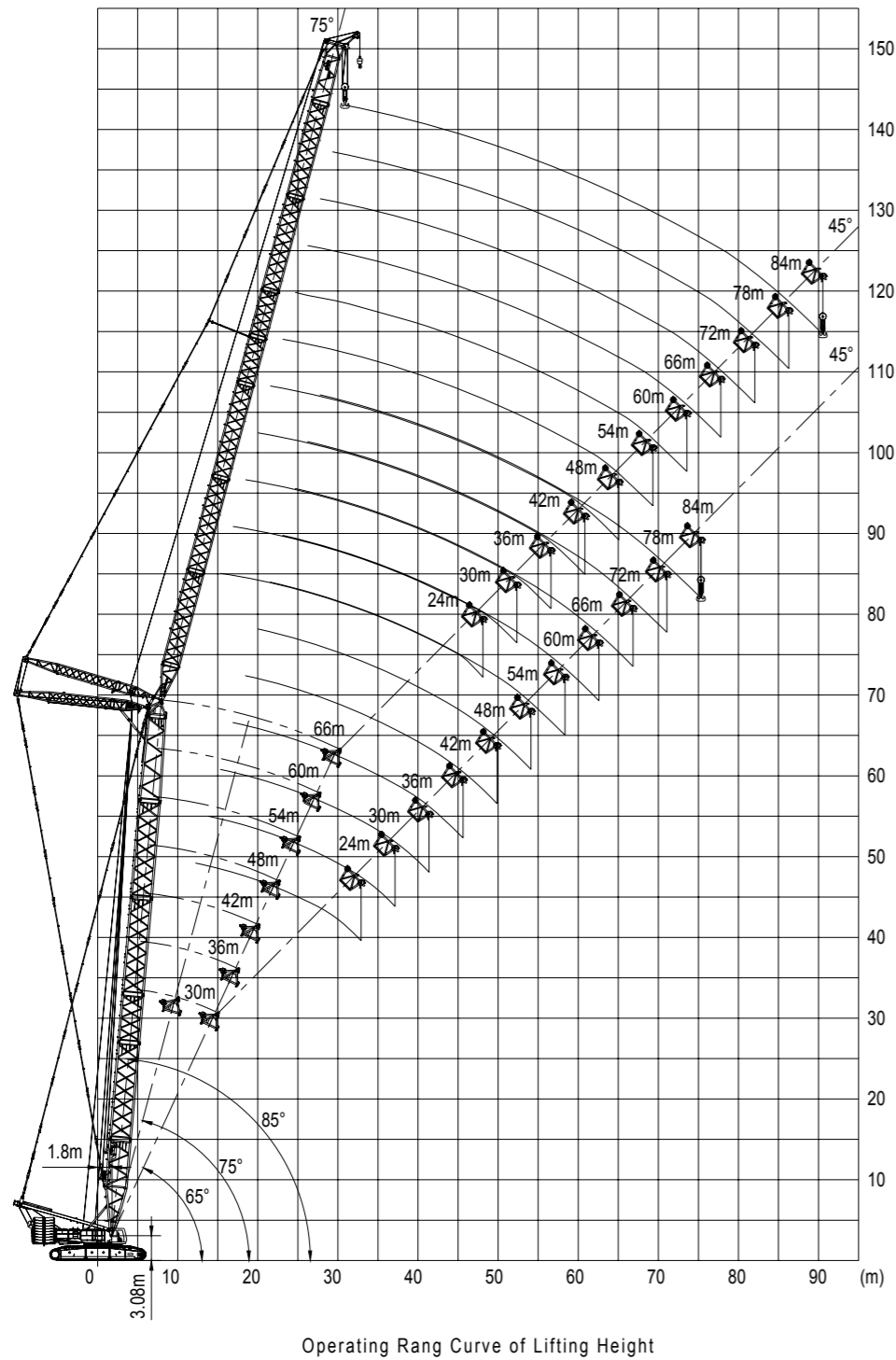
Note: \* indicates when the length of boom is 66m ~ 84m, the waist rope must be used; otherwise the boom is at the risk of fracture.



LJ operating condition



# OPERATING RANGE DIAGRAM OF LJ OPERATING CONDITION



# LOAD CHARTS OF LJ OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of LJ Operating Condition

Boom length 30m Boom angle 65° Jib length 24-84m Rear counterweight 170t Central counterweight 0t Unit:(t)

Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	Jib length(m) Radius(m)
32	51.7											32
34	47.6											34
36	44.0	42.7										36
38	40.8	39.6										38
40		36.9	35.5									40
42		34.3	33.1									42
44			30.9	29.6								44
46			28.9	27.5	26.3							46
48			27.2	25.6	24.4							48
50				24.0	22.8	21.1						50
54				21.0	19.8	18.2	16.9					54
58					17.4	15.6	14.5	13.4				58
62						13.5	12.4	11.3	9.6			62
66							11.8	10.6	9.5	7.8	7.3	66
70								9.0	7.9	6.3	5.6	70
74									6.6	4.8		74

## SCC6500E Crawler Crane – Load Chart of LJ Operating Condition

Boom length 30m Boom angle 65° Jib length 24-84m Rear counterweight 170t Central counterweight 0t Unit:(t)

Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	Jib length(m) Radius(m)
34	44.6											34
36	41.3											36
38	38.2	36.9										38
40		34.2										40
42		31.9	30.4									42
44		29.8	28.2									44
46		27.8	26.3	24.8								46
48			24.5	23.0								48
50			22.9	21.3	20.1							50
54				18.6	17.4	15.6						54
58					15.1	13.3	12.1					58
62					13.1	11.3	10.1	9.0				62
66						9.7	8.5	7.4				66
70							7.0	5.9				70
74							5.8	4.6				74

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJ OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJ Operating Condition

Boom length 30m Boom angle 65° Jib length 24-84m Rear counterweight 190t Central counterweight 80t Unit:(t)

Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	Jib length(m) Radius(m)			
32	64.9											32			
34	60.0											34			
36	55.6	54.5										36			
38	51.9	50.7										38			
40		47.3	46.0									40			
42		44.3	43.0									42			
44			40.3	39.1								44			
46				37.8	36.6	35.5						46			
48				35.8	34.4	33.3						48			
50					32.5	31.4	29.8					50			
54					28.9	27.8	26.2	25.0				54			
58						24.8	23.1	21.9	20.8			58			
62							20.5	19.3	18.2	16.5		62			
66								18.3	17.1	16.0	14.3	13.6	66		
70									15.1	14.0	12.3	11.8	10.3	70	
74										12.3	10.6	10.0	8.6	74	
78											9.1	8.5	7.2	78	
82												7.8	7.2	5.7	82
86													5.9	4.6	86

### SSCC6500E Crawler Crane – Load Chart of LJ Operating Condition

Boom length 36m Boom angle 65° Jib length 24-84m Rear counterweight 190t Central counterweight 80t Unit:(t)

Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	Jib length(m) Radius(m)			
34	57.2											34			
36	53.0											36			
38	49.3	48.0										38			
40		44.7										40			
42			41.8	40.4								42			
44			39.2	37.8								44			
46			36.9	35.5	34.2							46			
48				33.4	32.1							48			
50				31.5	30.1	28.8						50			
54					26.6	25.4	23.7					54			
58						22.4	20.7	19.6				58			
62							20.0	18.3	17.1	16.0		62			
66								16.2	15.0	13.8	12.1	66			
70									13.1	12.0	10.2	9.7	70		
74										11.6	10.3	8.6	8.0	6.6	74
78											9.0	7.3	6.6	5.2	78
82													5.9	5.3	82

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJ OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJ Operating Condition

Boom length 66m Boom angle 85° Jib length 24-84m Rear counterweight 170t Central counterweight 0t Unit:(t)

Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	Jib length(m) Radius(m)									
18	121											18									
19	114											19									
20	107	105										20									
22	94.1	93.0	91.9									22									
24	83.6	82.5	81.4	80.3								24									
26	74.8	73.7	73.2	71.5	71.0							26									
28	67.7	66.6	66.0	64.4	63.8	62.2	61.6					28									
30	61.6	60.5	60.0	58.3	57.8	56.1	55.6	54.9				30									
32		55.8	55.1	53.7	53.0	51.5	50.9	50.1				32									
34			51.2	50.3	49.1	48.3	47.0	46.2	45.3	44.0	43.1	34									
36				46.6	45.4	44.6	43.3	42.6	41.7	40.4	39.6	36									
38					42.9	41.7	40.9	39.6	38.9	38.1	36.7	36.1	34.2	38							
40						40.0	38.8	38.1	36.7	36.0	35.2	33.8	33.2	31.4	40						
42							37.2	36.0	35.2	33.9	33.1	32.3	30.9	30.4	28.6	42					
44								33.7	32.9	31.6	30.8	29.9	28.4	28.1	26.3	44					
46									31.4	30.6	29.3	28.5	27.5	26.0	25.7	24.1	46				
48										28.7	27.3	26.5	25.5	24.0	23.7	22.2	48				
50											26.7	25.3	24.4	23.5	22.0	21.7	20.4	50			
54												22.0	21.1	20.1	18.6	18.4	17.1	54			
58													19.3	18.3	17.3	15.7	15.5	14.2	58		
62														15.8	14.9	13.3	13.0	11.8	62		
66															12.9	11.2	10.9	9.7	66		
70																11.1	9.5	9.1	7.8	70	
74																	7.9	7.5	6.3	74	
78																			6.1	4.8	78

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

# LOAD CHARTS OF LJ OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of LJ Operating Condition

Boom length 66m Boom angle 85° Jib length 24-84m Rear counterweight 190t Central counterweight 80t Unit:(t)

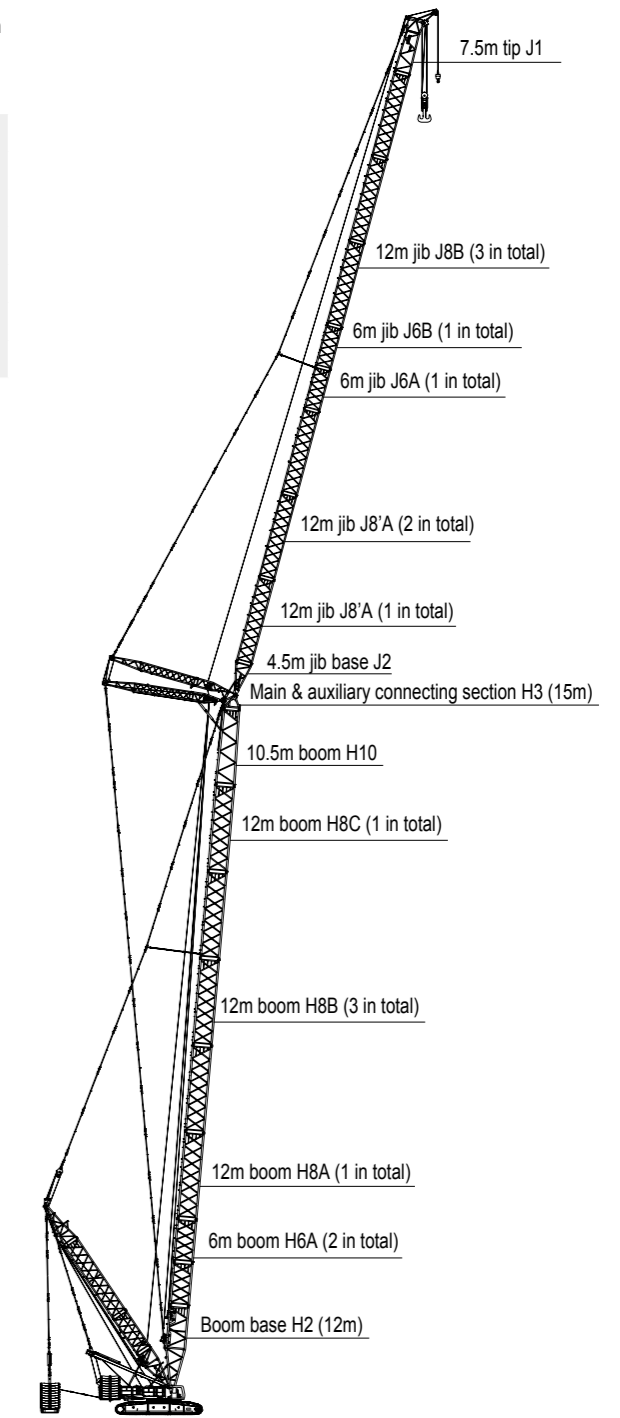
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	Jib length(m) Radius(m)	
18	147											18	
19	139											19	
20	131	129										20	
22	116	114	113									22	
24	102	101	101	99.0								24	
26	91.9	91.3	90.2	89.1	88.0							26	
28	83.6	82.5	81.4	80.3	79.2	78.1	72.6					28	
30	75.9	75.4	74.3	73.2	72.1	71.0	69.9	63.8				30	
32		69.3	68.5	67.4	66.3	65.2	64.1	60.8				32	
34		63.3	62.7	61.6	60.5	59.4	58.3	57.8	56.1	48.4		34	
36			58.4	57.2	56.3	55.1	54.2	53.5	52.0	48.0		36	
38			54.0	52.8	52.0	50.7	50.1	49.2	47.9	47.5	42.9	38	
40			50.5	49.3	48.6	47.2	46.6	45.7	44.4	44.1	41.3	40	
42			47.1	45.9	45.1	43.8	43.1	42.2	40.9	40.7	39.6	42	
44				43.1	42.3	41.0	40.3	39.4	38.1	37.9	36.8	44	
46				40.3	39.5	38.2	37.5	36.6	35.3	35.1	34.0	46	
48					37.2	35.9	35.2	34.4	33.0	32.7	31.6	48	
50						35.0	33.7	32.9	32.1	30.7	30.4	50	
54							29.8	29.0	28.2	26.6	26.3	54	
58							26.6	25.7	24.8	23.2	22.9	58	
62								22.8	21.8	20.2	19.9	62	
66									19.3	17.7	17.4	66	
70									17.2	15.5	15.2	70	
74										13.6	13.2	74	
78											11.6	78	
82												8.7	82
86												7.4	86

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

# LJDB OPERATING CONDITION

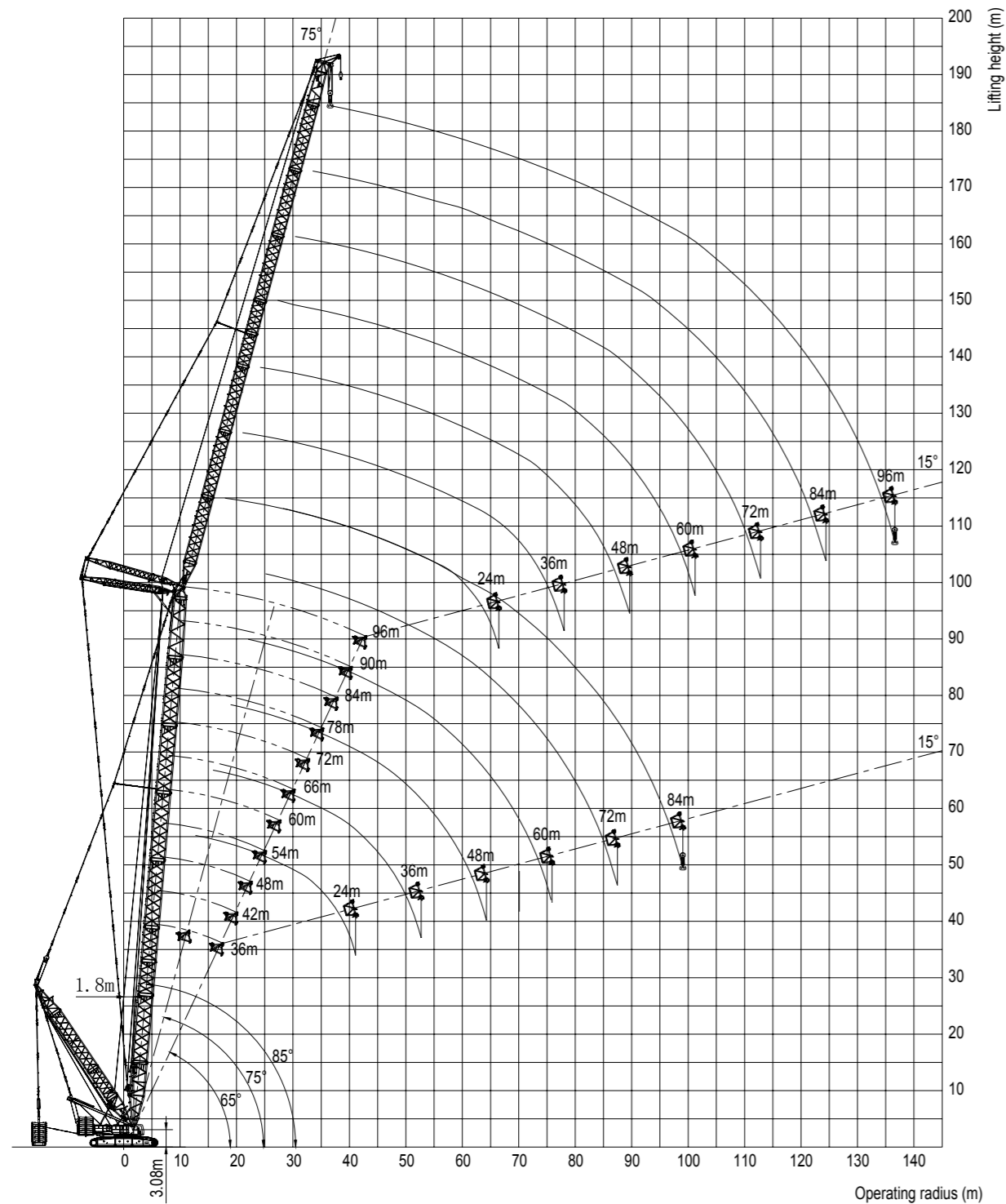
Jib length (m)	Jib insert					Boom length (m)
	6mA	6mB	12mA	12mB	12mC	
24	-	-	1	-	-	36~108
30	1	-	1	-	-	
36	1	1	1	-	-	
42	1	-	1	1	-	
48	1	1	1	1	-	
54	1	-	1	2	-	
60	1	1	1	2	-	
66*	1	-	1	2	1	36~96
72*	1	1	1	2	1	
78*	1	-	1	2	2	
84*	1	1	1	2	2	
90*	1	-	1	2	3	
96*	1	1	1	2	3	

Note: \* indicates when the length of boom is 66m ~ 96m, the waist rope must be used; otherwise the boom is at the risk of fracture.



LJD(B) operating condition

# OPERATING RANGE DIAGRAM OF LJDB OPERATING CONDITION



# LOAD CHARTS OF LJDB OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 36m Boom angle 65° Jib length 24-96m Superlift radius 11m Superlift counterweight 0t Rear counterweight 170t  
 Central counterweight 0t Unit:(t)

Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
34	49.2													34
36	45.5													36
38	42.2	40.9												38
40	39.3	38												40
42		35.5	34.1											42
44		33.2	31.9											44
46		31.1	29.7	28.2										46
48			27.8	26.2										48
50			26	24.5	23.3									50
54				21.5	20.2	18.5								54
58					17.7	16	14.8							58
62					15.6	13.8	12.6	11.5						62
66						11.9	10.7	9.6	8					66
70							9.2	8.1	6.3	5.8				70
74								7.8	6.7	4.9	4.4			74
78									5.5					78

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.
- 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.
- 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 36m Boom angle 65° Jib length 24-96m Superlift radius 11m Superlift counterweight 310t Rear counterweight 170t

Central counterweight 0t														Unit:(t)			
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)			
34	171													34			
36	160													36			
38	149	148												38			
40	140	139												40			
42		132	130											42			
44		124	123											44			
46		117	116	115										46			
48			111	110										48			
50			106	104	103									50			
54				95.1	94	92.9								54			
58					86.3	84.7	84.1							58			
62					79.7	78.1	77	75.9						62			
66						72	70.9	70.4	62.6					66			
70							66	64.9	56.5	51.2				70			
74								61	57.9	50.7	46.3	39.4		74			
78									50.1	44.9	41.4	35.4	30	24.6	78		
82										38.5	36.5	31.5	26.9	21.3	82		
86											30.9	27.5	23	18.0*	86		
90												25.2	22.7	19.8	14.7*	90	
94													18.6	15.8	11.4*	94	
98														12.6	8.2*	98	
102															8.5	5.0*	102

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 36m Boom angle 75° Jib length 24-96m Superlift radius 11m Superlift counterweight 0t Rear counterweight 170t

Central counterweight 0t														Unit:(t)					
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)					
26	78.1													26					
28	70.9	69.8												28					
30	64.3	63.2	62.1											30					
32	59.4	57.7	56.6											32					
34	54.6	53.5	52.4	51.2										34					
36		49.6	48.5	47.1	46.2									36					
38		45.9	44.8	43.6	42.6									38					
40		42.9	41.8	40.5	39.6	38.2								40					
42			39	37.8	36.8	35.4	34.5							42					
44				36.5	35.3	34.3	33	32.1	31					44					
46					33	32.1	30.6	29.7	28.7					46					
48						31	30	28.6	27.6	26.5	24.8			48					
50							29.1	28.1	26.7	25.6	24.6	22.9	22.5	50					
54								24.8	23.3	22.2	21.2	19.5	19.1	17.8	54				
58									20.4	19.3	18.3	16.7	16.2	14.9	14.5	58			
62										18	16.9	15.8	14.3	13.7	12.4	11.9	11.2	62	
66											14.8	13.7	12.1	11.6	10.3	9.9	9	66	
70												11.9	10.3	9.7	8.4	8	7.2	70	
74													10.4	8.6	8.1	6.9	6.3	5.6	74
78														7.3	6.8	5.5	4.9		78
82															5.5	4.1			82

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

BBoom length 36m Boom angle 75° Jib length 24-96m Superlift radius 11m Superlift counterweight 310t Rear counterweight

170t Central counterweight 0t

Unit:(t)

Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)	
26	240													26	
28	224	222												28	
30	205	204	196											30	
32	190	189	188											32	
34	177	176	174	173										34	
36		163	162	161	156									36	
38		154	152	151	150									38	
40		144	143	141	140	132								40	
42			135	134	133	128	110							42	
44			127	126	125	124	107	97.6						44	
46				119	118	117	103	94.6						46	
48				114	113	112	99.8	91.7	79					48	
50				108	107	106	96.3	88.2	76.4	66.9				50	
54					98.4	96.8	88.8	82.1	70.5	62.2	53.5			54	
58						88.5	81.8	75.6	65.6	57.7	49.1	41.1		58	
62							81.4	73.9	69.5	59.5	53.4	45.6	38.3	62	
66								66.3	62.2	54.3	48.4	41.5	35.2	66	
70									54.3	47.8	44.2	37.4	32	70	
74									45.9	42.1	39.4	33.5	28.9	74	
78										35	33.8	29.5	25	78	
82											28.9	25.5	21.8	82	
86												20.6	17.8*	86	
90													16.6*	90	
94														94	
													10.5*	7.0*	94

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 84m Boom angle 85° Jib length 24-96m Superlift radius 11m Superlift counterweight 0t Rear counterweight 170t

Central counterweight 0t

Unit:(t)

Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
24			83	79.8										24
26			75.3	73.9	71									26
28			68.2	66.5	66	63.2								28
30			61.6	60.5	59.4	58.3	56.3							30
32			56.7	55.5	54.6	53.4	52							32
34			51.9	50.6	49.9	48.5	47.5	45.8	43.5					34
36			48	46.8	46	44.7	43.8	42.2	39.9					36
38			44.2	43	42.2	40.9	40.1	38.6	36.4	35.5	33.6			38
40			41.2	40	39.2	37.9	37.2	35.7	33.5	32.7	30.8			40
42			38.2	37	36.3	34.9	34.3	32.8	30.6	29.9	28	27.2	26.1	42
44				34.6	33.8	32.5	31.7	30.5	28.3	27.6	25.8	25	23.9	44
46				32.2	31.4	30	29.2	28.1	26	25.4	23.6	22.8	21.7	46
48				30.3	29.4	27.9	27.1	26.1	24.2	23.4	21.7	21	19.9	48
50					27.5	25.9	25	24	22.3	21.5	19.9	19.1	18.1	50
54						23.9	22.4	21.6	20.6	19.1	18.4	16.7	15	54
58							19.5	18.7	17.7	16.1	15.7	14	13.4	58
62								16.1	15.2	13.6	13.4	11.7	11.2	62
66									14	13	11.5	11.2	9.7	66
70										11.2	9.6	9.3	8	70
74											8	7.7	6.3	74
78												6.2	4.9	78
82													5	82

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.



## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

BBoom length 84m Boom angle 85° Jib length 24-96m Superlift radius 11m Superlift counterweight 310t Rear counterweight

170t Central counterweight 0 t

Unit:(t)

Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)	
24			114*	100*										24	
26			111*	100*	88.5*									26	
28			108*	98.4*	88.5*	77.5*								28	
30			104*	95.7*	86.3*	77.5*	67.6*							30	
32			101*	92.9*	84.1*	75.9*	67.1*							32	
34			97.9*	90.2*	81.9*	74.2*	66.5*	59.9*	52.6*					34	
36			94.6*	87.4*	79.7*	72.6*	65.1*	58.8*	52.1*					36	
38			91.3	84.7*	77.5*	70.9*	63.8*	57.7*	51.5*	46.3*	40.7*			38	
40			88.2	81.9*	75.3*	69.0*	62.4*	56.6*	50.7*	45.7*	40.7*			40	
42			85.2	79.2	73.1*	67.1*	61.0*	55.5*	49.8*	45.1*	40.7*	34.8*	29.8*	42	
44			77	71.2*	65.4*	59.6*	54.5*	48.9*	44.3*	40.1*	34.4*	29.5*		44	
46			74.8	69.3	63.8*	58.3*	53.5*	48.0*	43.6*	39.6*	33.9*	29.3*		46	
48			71.5	67.3	62.7*	57.2*	52.6*	47.1*	42.9*	39.0*	33.5*	29.0*		48	
50				65.4	61.6	56.1*	51.7*	46.2*	42.1*	38.5*	33.1*	28.7*		50	
54				61	58.3	53.6	49.5*	44.6*	40.7*	37.2*	32.2*	27.9*		54	
58					55.4	49.8	45.8*	41.7*	38.6*	34.6*	30.5*	25.9*		58	
62						46.2	42.1*	38.0*	35.9*	32.0*	28.0*	23.3*		62	
66						43.6	39.4	34.5*	33.3*	28.7*	25.6*	20.8*		66	
70							35.9	31.9*	30.0*	26.3*	23.2*	18.3*		70	
74								28.5*	27.5*	23.9*	20.9*	15.8*		74	
78									24.2*	21.5*	17.7*	13.4*		78	
82										21.0*	18.3*	15.4*	11.0*	82	
86											15.0*	13.1*	8.7*	86	
90												9.8*	6.3*	90	
94													7.5*	4.0*	94

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 36m Boom angle 65° Jib length 24-96m Superlift radius 15m Superlift counterweight 0t

Rear counterweight 170t Central counterweight 0t

Unit:(t)

Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
34	49.7													34
36	45.9													36
38	42.6	41.3												38
40	39.7	38.3												40
42		35.8	34.5											42
44		33.5	32.2											44
46		31.4	30.1	28.6										46
48			28.1	26.6										48
50			26.4	24.8	23.6									50
54				21.8	20.5	18.9								54
58					18	16.2	15.1							58
62					15.8	14	12.9	11.8						62
66						12.3	11.1	10	8.2					66
70							9.4	8.3	6.6	6				70
74								8	6.9	5.1	4.6			74
78									5.7					78

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 36m Boom angle 65° Jib length 24-96m Superlift radius 13m Superlift counterweight 310t

Rear counterweight 170t Central counterweight 0t														Unit:(t)
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
34	181													34
36	176													36
38	165	161												38
40	155	154												40
42		145	143											42
44		137	135											44
46		129	128	127										46
48			122	121										48
50			116	115	114									50
54				105	104	102								54
58					95.7	94	91.5							58
62					88	86.9	84.3	78.8						62
66						80.3	76.2	71.8	62.6					66
70							68.5	65.1	56.5	50.5				70
74							60.4	57.9	50.7	46.3	39.4			74
78								50.1	44.9	41.4	35.4	30	24.6*	78
82									38.5	36.5	31.5	26.9	21.3*	82
86										30.9	27.5	23	18.0*	86
90											25.2	22.7	19.8*	90
94												18.6*	15.8*	94
98													12.6*	98
102													8.5*	102

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 36m Boom angle 75° Jib length 24-96m Superlift radius 13m Superlift counterweight 0t

Rear counterweight 170t Central counterweight 0t														Unit:(t)
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
26	79.2													26
28	71.5	70.4												28
30	64.9	63.8	62.7											30
32	59.9	58.3	57.2											32
34	55	54.1	52.9	51.7										34
36		50	48.9	47.6	46.7									36
38		46.4	45.3	44.1	43.1									38
40		43.2	42.2	41	40	38.6								40
42			39.3	38.1	37.1	35.8	34.9							42
44			36.8	35.6	34.7	33.3	32.4	31.4						44
46				33.4	32.4	31.1	30.1	29						46
48				31.3	30.3	29	27.9	26.9	25.3					48
50				29.4	28.4	27	25.9	24.9	23.3	22.8				50
54					25.1	23.6	22.5	21.5	19.9	19.4	18.1			54
58						20.6	19.6	18.5	17	16.5	15.1	14.7		58
62							18.2	17.1	16.1	14.5	14	12.7	11.4	62
66								15	13.9	12.4	11.8	10.5	9.3	66
70									12.2	10.5	10	8.6	7.4	70
74										10.6	8.9	8.3	7.1	74
78											7.5	6.9	5.1	78
82												5.7	4.4	82

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 36m Boom angle 75° Jib length 24-96m Superlift radius 13m Superlift counterweight 310t

Rear counterweight 170t Central counterweight 0t														Unit:(t)
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
26	254													26
28	237	234												28
30	223	220	207											30
32	207	206	205											32
34	193	192	190	184										34
36		179	178	174	160									36
38		168	167	166	155									38
40		158	157	156	150	131								40
42			148	147	146	126	109							42
44			140	139	138	122	106	97.6						44
46				132	130	118	102	94.6						46
48				125	124	114	98.5	91.7	79					48
50				117	117	110	95	88.2	76.4	66.9*				50
54					106	102	88.2	82.1	70.5	62.2	53.5*			54
58						93.1	80.6	75.6	65.6	57.7	49.1*	41.1*		58
62						81.4	73.2	68.8	59.5	53.4	45.6*	38.3*	31.8*	62
66							65.7	62.2	54.3	48.4	41.5*	35.2*	29.2*	66
70								54.3	47.8	44.2	37.4*	32.0*	25.8*	70
74								45.9	42.1	39.4	33.5*	28.9*	22.5*	74
78									35	33.8*	29.5*	25.0*	19.2*	78
82										28.9*	25.5*	21.8*	16.8*	82
86											20.6*	17.8*	13.5*	86
90												16.6*	14.7*	90
94													10.5*	94

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 84m Boom angle 85° Jib length 24-96m Superlift radius 13m Superlift counterweight 0t

Rear counterweight 170t Central counterweight 0														Unit:(t)
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
24			84.4	81.2										24
26			75.9	74.8	72.3									26
28			68.7	67.1	66.5	64.5								28
30			62.1	61	59.9	58.8	57.2							30
32			57.2	56.1	55.1	53.9	52.6							32
34			52.3	51.1	50.3	49	48	46.4	44.1					34
36			48.5	47.3	46.5	45.2	44.3	42.7	40.5					36
38			44.6	43.4	42.7	41.3	40.7	39.1	36.9	36	34.1			38
40			41.6	40.4	39.7	38.3	37.6	36.2	34.1	33.2	31.3			40
42			38.6	37.4	36.7	35.4	34.6	33.3	31.2	30.3	28.6	27.7	26.6	42
44				34.9	34.3	32.9	32.1	30.9	28.8	28.1	26.2	25.5	24.4	44
46				32.5	31.9	30.4	29.5	28.6	26.5	25.8	23.9	23.3	22.2	46
48				30.6	29.8	28.3	27.5	26.5	24.5	23.9	22.1	21.4	20.3	48
50					27.8	26.2	25.4	24.5	22.6	22	20.2	19.5	18.4	50
54						24.3	22.7	22	21	19.3	18.8	17	16.3	54
58							19.9	19	18	16.5	16	14.4	13.7	58
62								16.5	15.5	13.9	13.6	12.1	11.4	62
66									14.4	13.3	11.7	11.4	10.1	66
70										11.5	9.9	9.5	8.3	70
74											8.2	7.9	6.6	74
78												6.4	5.1	78
82													5.1	82

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

BBoom length 84m Boom angle 85° Jib length 24-96m Superlift radius 13m Superlift counterweight 310t

Rear counterweight 170t Central counterweight 0t													Unit:(t)	
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
24			115*	103*										24
26			112*	103*	89.6*									26
28			108*	99.5*	89.6*	78.6*								28
30			105*	96.8*	86.9*	78.6*	68.7*							30
32			102*	94.0*	84.7*	76.7*	67.9*							32
34			99.0*	91.3*	82.5*	74.8*	67.1*	59.9*	53.0*					34
36			95.7*	88.5*	80.3*	73.7*	66.0*	59.1*	52.4*					36
38			92.4*	85.8*	78.1*	72.6*	64.9*	58.3*	51.8*	46.5*	41.8*			38
40			89.6*	83.3*	76.1*	70.9*	63.8*	57.2*	51.2*	45.9*	41.8*			40
42			86.9*	80.8*	74.2*	69.3*	62.7*	56.1*	50.6*	45.3*	41.8*	35.0*	30.0*	42
44				78.3*	72.3*	67.6*	61.6*	55.5*	50.0*	44.6*	41.2*	34.6*	29.8*	44
46				75.9*	70.4*	65.7*	60.0*	55.0*	49.5*	44.0*	40.3*	34.2*	29.5*	46
48				73.7*	68.4*	63.2*	58.3*	53.4*	48.4*	43.4*	39.3*	33.7*	29.0*	48
50					66.5*	61.6*	55.9*	51.8*	46.8*	42.9*	38.3*	33.3*	28.0*	50
54					62.7*	57.6*	52.0*	47.9*	43.7*	40.4*	36.2*	31.7*	26.9*	54
58						53.9*	48.3*	44.1*	40.0*	37.7*	33.7*	29.6*	24.9*	58
62							45.4*	41.3*	37.2*	35.0*	31.1*	27.1*	22.4*	62
66							42.8*	37.8*	33.7*	31.6*	27.8*	24.7*	19.8*	66
70								35.1*	31.1*	29.1*	25.4*	22.4*	17.4*	70
74									27.7*	26.6*	23.0*	20.0*	14.9*	74
78										23.3*	20.6*	17.7*	12.5*	78
82											21.0*	18.3*	15.4*	82
86												15.0*	12.1*	86
90													9.8*	90
94														94

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 36m Boom angle 65° Jib length 24-96m Superlift radius 15m Superlift counterweight 0t

Rear counterweight 170t Central counterweight 0t													Unit:(t)	
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
34	50.1													34
36	46.4													36
38	43.1	41.8												38
40	40.1	38.8												40
42		36.3	34.8											42
44			33.8	32.5										44
46			31.7	30.4	28.9									46
48				28.4	27									48
50				26.7	25.1	23.9								50
54					22.1	20.9	19.1							54
58						18.2	16.6	15.4						58
62							16	14.4	13.2	12.1				62
66								12.5	11.3	10.2	8.4			66
70									9.6	8.5	6.8	6.2		70
74										8.2	7.1	5.3	4.8	74
78											5.9			78

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 36m Boom angle 65° Jib length 24-96m Superlift radius 15m Superlift counterweight 310t

Rear counterweight 170t Central counterweight 0t														Unit:(t)
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
34	192													34
36	187													36
38	178	171												38
40	168	167												40
42		158	155											42
44		149	148											44
46		141	140	138										46
48			133	132										48
50			127	126	123									50
54				115	114	110								54
58					105	103	90.9							58
62					96.8	95.1	83.7	78.8						62
66						87.1	76.2	71.8	62.6					66
70							68.5	65.1	56.5	50.5				70
74							60.4	57.9	50.7	46.3	39.4*			74
78								50.1	44.9	41.4	35.4*	30.0*	24.6*	78
82									38.5	36.5	31.5*	26.9*	21.3*	82
86										30.9*	27.5*	23.0*	18.0*	86
90											25.2*	22.7*	19.8*	90
94												18.6*	15.8*	94
98													12.6*	98
102													8.5*	102

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 36m Boom angle 75° Jib length 24-96m Superlift radius 15m Superlift counterweight 0t

Rear counterweight 170t Central counterweight 0t														Unit:(t)
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
26	79.7													26
28	72	70.9												28
30	65.4	64.3	63.2											30
32	59.9	58.8	57.7											32
34	55.5	54.5	53.4	52.1										34
36		50.4	49.3	48.1	47.1									36
38		46.8	45.7	44.5	43.5									38
40		43.6	42.5	41.3	40.4	39								40
42			39.8	38.6	37.6	36.1	35.3							42
44			37.2	36	35	33.6	32.7	31.7						44
46				33.7	32.7	31.4	30.4	29.4						46
48				31.6	30.6	29.3	28.2	27.2	25.6					48
50				29.8	28.8	27.3	26.2	25.3	23.6	23.2				50
54					25.5	23.8	22.8	21.8	20.2	19.8	18.3			54
58						21	19.9	18.9	17.2	16.8	15.5	15		58
62							18.5	17.3	16.3	14.8	14.3	12.9	12.5	62
66								15.2	14.3	12.6	12.2	10.8	10.4	66
70									12.4	10.7	10.2	9	8.4	70
74										10.8	9.1	8.5	7.3	74
78											7.8	7.1	5.8	78
82												5.9	4.6	82

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 36m Boom angle 75° Jib length 24-96m Superlift radius 15m Superlift counterweight 310t

Rear counterweight 170t Central counterweight 0t														Unit:(t)
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
26	267													26
28	250	247												28
30	235	232	218											30
32	222	218	218											32
34	210	206	201	186										34
36		195	191	180	158									36
38		182	181	174	153									38
40		166	171	167	148	129								40
42			160	157	144	125	108							42
44			145	148	139	121	104	97.6*						44
46				140	132	117	101	94.6						46
48				128	125	113	97.9	91.7	79.0*					48
50				117	119	109	94.4	88.2	76.4*	66.9*				50
54					107	100	87.6	82.1	70.5*	62.2*	53.5*			54
58						92.5	80	75.6	65.6*	57.7*	49.1*	41.1*		58
62							81.4	72.7	68.8	59.5*	53.4*	45.6*	38.3*	62
66								65.7	62.2	54.3*	48.4*	41.5*	35.2*	66
70									54.3	47.8*	44.2*	37.4*	32.0*	70
74									45.9*	42.1*	39.4*	33.5*	28.9*	74
78										35.0*	33.8*	29.5*	25.0*	78
82											28.9*	25.5*	21.8*	82
86												20.6*	17.8*	86
90													16.6*	90
94													10.5*	94

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

## LOAD CHARTS OF LJDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 96m Boom angle 85° Jib length 24-96m Superlift radius 15m Superlift counterweight 0t

Rear counterweight 170t Central counterweight 0t														Unit:(t)
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
24			77.9											24
26			72.4	69.4										26
28			66.5	64.7	61.9									28
30			60.5	58.8	57.2	55								30
32			55.5	54.1	52.7	50.4								32
34			50.6	49.3	48.2	45.9	44.4	42.7						34
36			46.8	45.5	44.7	42.4	40.9	39.3						36
38			43.1	41.8	41.1	38.9	37.5	35.8	33.5	32.6	30			38
40			40.1	38.8	38.1	36.1	34.7	33.1	30.8	30	27.7			40
42			37.1	35.9	35.2	33.3	31.9	30.3	28.1	27.3	25.5	24.7	21.3	42
44			34.1	33.5	32.7	31	29.6	28.1	25.9	25.2	23.3	22.6	20.3	44
46				31.1	30.3	28.7	27.3	25.9	23.7	23.1	21.2	20.4	19.3	46
48				29.1	28.3	26.6	25.5	24	21.9	21.2	19.4	18.7	17.6	48
50				27.1	26.2	24.6	23.7	22.2	20.1	19.4	17.7	17	15.9	50
54					22.8	21.3	20.4	19.1	17.1	16.5	14.7	14	13	54
58					18.4	17.6	16.6	14.5	13.8	12.2	11.5	10.5		58
62						15.1	14.1	12.3	11.7	10	9.4	8.4		62
66							13	12.1	10.4	9.7	8.1	7.5	6.6	66
70								10.2	8.6	8.2	6.6	5.9	4.9	70
74									7	6.8	5.1	4.5		74
78										5.7	5.3			78

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.



# LOAD CHARTS OF LJDB OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of LJDB Operating Condition

Boom length 96m Boom angle 85° Jib length 24-96m Superlift radius 15m Superlift counterweight 310t

Rear counterweight 170t Central counterweight 0t

Unit: (t)

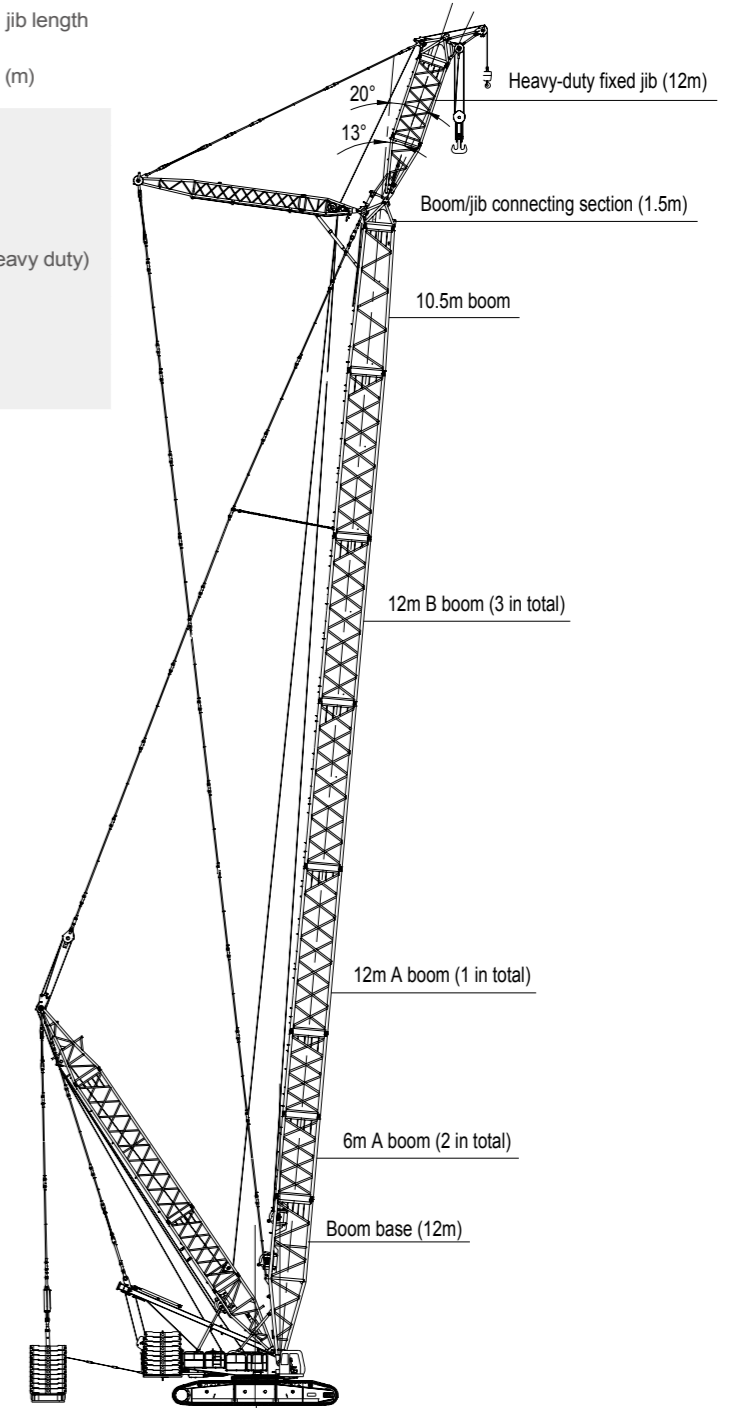
Jib length(m) Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Jib length(m) Radius(m)
24			89.1*											24
26			89.1*	78.1*										26
28			85.2*	76.4*	66.5*									28
30			82.5*	74.2*	66.5*	58.3*								30
32			79.7*	72.0*	64.6*	57.4*								32
34			77.0*	69.8*	62.7*	56.6*	50.4*	45.2*						34
36			74.5*	67.9*	61.0*	55.3*	49.5*	44.6*						36
38			72.0*	66.0*	59.4*	54.0*	48.5*	44.0*	38.8*	34.8*	30.0*			38
40			70.1*	64.0*	57.7*	52.6*	47.4*	43.1*	38.1*	34.4*	30.0*			40
42			68.2*	62.1*	56.1*	51.3*	46.3*	42.2*	37.5*	34.1*	30.0*	25.7*	21.3*	42
44			66.3*	60.2*	54.7*	50.0*	45.2*	41.3*	36.7*	33.4*	29.3*	25.3*	21.3*	44
46				58.3*	53.4*	48.7*	44.1*	40.4*	36.0*	32.8*	28.7*	24.9*	21.3*	46
48				56.6*	52.1*	47.4*	43.0*	39.5*	35.3*	32.1*	28.1*	24.5*	21.1*	48
50				55.0*	50.8*	46.2*	42.0*	38.6*	34.5*	31.4*	27.5*	24.0*	20.9*	50
54					48.1*	43.8*	39.8*	36.8*	32.8*	30.0*	26.4*	23.1*	19.8*	54
58						41.6*	37.9*	34.1*	30.7*	28.7*	25.3*	21.9*	18.2*	58
62							35.2*	31.4*	28.0*	27.2*	23.5*	20.9*	17.1*	62
66							32.7*	28.8*	25.4*	24.6*	21.4*	18.8*	15.1*	66
70								26.2*	23.7*	22.1*	20.1*	16.7*	13.7*	70
74									21.2*	20.6*	17.6*	15.5*	11.3*	74
78									19.6*	18.2*	16.2*	13.1*	9.8*	78
82										16.7*	13.8*	11.7*	7.4*	82
86											11.5*	9.4*	6.0*	86
90												8.0*	4.6*	90
94													5.7*	94

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

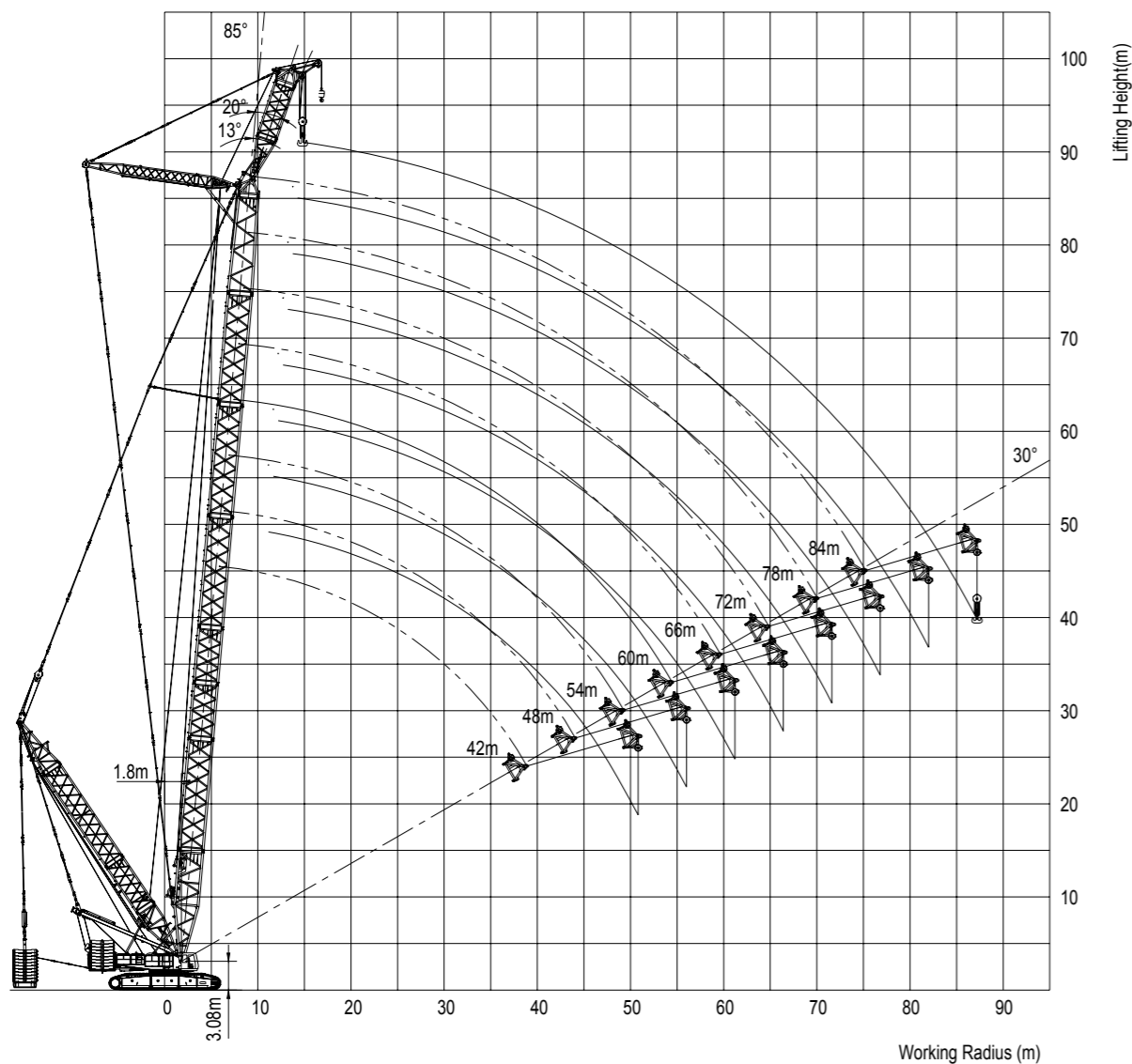
# 12M HEAVY-DUTY JIB COMBINATION OF FJ<sub>h</sub>DB OPERATING CONDITION

Boom length (m)	Insert			Fixed jib length (m)	12(Heavy duty)
	6m	12mA	12mB		
42	1	1	-		
48	2	1	-		
54	1	1	1		
60	2	1	1		
66	1	1	2		
72	2	1	2		
78*	1	1	3		
84*	2	1	3		

Note: \* indicates when the length of boom is 78m ~ 84m, the waist rope must be used; otherwise the boom is at the risk of fracture.



## OPERATING RANGE DIAGRAM OF FJHDB OPERATING



## LOAD CHART OF FJHDB OPERATING CONDITION

### SCC6500E Crawler Crane – Load Chart of FJhDB Operating Condition

Boom length 42-84m Superlift radius 15m Included angle boom to jib 13° Superlift counterweight 0t

Rear counterweight 190t Central counterweight 80t

Unit: (t)

Jib length(m) Radius(m)	42	48	54	60	66	72	78	84	Jib length(m) Radius(m)
13	258	257							13
14	225	224	223	220					14
15	203	202	201	200	197				15
16	181	180	179	178	177	176	169		16
17	166	165	163	162	161	159	158	152	17
18	150	149	148	146	145	144	143	141	18
19	139	137	136	135	134	132	130	129	19
20	127	126	125	123	122	121	118	117	20
22	110	108	107	105	103	102	101	99.5	22
24	95.7	94	92.9	91.3	89.6	88	86.9	85.2	24
26	84.1	82.5	80.8	79.2	78.1	76.4	74.8	73.1	26
28	74.8	72.6	71.5	69.3	68.2	66.5	64.9	63.2	28
30	66.5	64.9	63.2	61	59.9	57.7	56.1	54.3	30
32	60.1	58.3	56.7	54.5	53	50.8	49.1	47.1	32
34	53.6	51.8	50.1	47.9	46	43.8	42.1	39.9	34
36	48.6	46.6	44.8	42.5	40.7	38.5	36.6	34.4	36
38	43.6	41.4	39.4	37.1	35.4	33.1	31.2	29	38
40	39.6	37.3	35.3	33	31.1	28.8	27	24.7	40
42	35.5	33.2	31.1	28.8	26.9	24.6	22.7	20.4	42
44	32.2	29.9	27.8	25.4	23.5	21.2	19.3	17	44
46	28.9	26.6	24.5	22.1	20.1	17.8	15.9	13.6	46
48	26.2	23.9	21.7	19.3	17.3	15	13.1	10.7	48
50	23.6	21.2	19	16.6	14.6	12.2	10.3	7.9	50
54		16.8	14.6	12.1	10	7.5	5.6		54
58			10.8	8.2	6.2				58
62				4.4					62

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

# LOAD CHART OF FJHDB OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of FJhDB Operating Condition

Boom length 42-84m Superlift radius 15m Included angle boom to jib 20° Superlift counterweight 310t

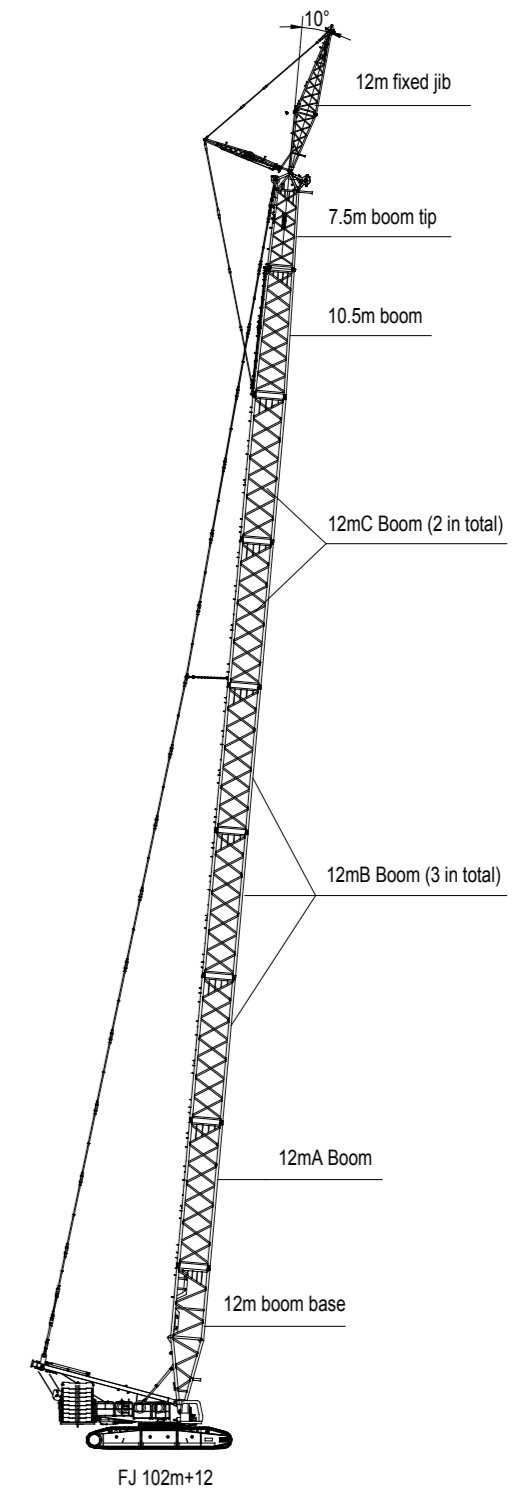
Rear counterweight 190t Central counterweight 80t									Unit: (t)
Jib length(m) Radius(m)	42	48	54	60	66	72	78	84	Jib length(m) Radius(m)
14	403*	385*	350*						14
15	403	386	351*						15
16	403	386	351	317*	285*	255*	221*		16
17	403	388	352	317*	284*	253*	219*		17
18	403	389	353	317	284*	251*	218*	193*	18
19	403	391	354	318	283	249*	216*	191*	19
20	380	378	354	318	280	248*	215*	190*	20
22	342	340	338	315	278	245	211*	187*	22
24	310	308	306	304	275	242	208	185*	24
26	283	281	279	277	273	240	205	182	26
28	260	258	256	254	253	238	203	180	28
30	240	238	236	234	233	231	201	178	30
32	223	221	219	218	216	214	198	176	32
34	206	205	203	202	200	198	196	175	34
36	192	191	190	188	186	184	183	169	36
38	179	178	177	174	173	171	170	163	38
40	165	167	166	163	162	160	158	155	40
42	151	156	155	152	150	149	147	146	42
44	138	146	145	143	141	140	138	136	44
46	125	136	136	134	133	130	129	127	46
48	112	125	129	127	125	123	122	119	48
50	99	114	122	119	117	116	114	112	50
54		92.4	104	107	106	103	102	100	54
58			88	93.5	95.1	93.5	91.8	89.6	58
62				79.7	83.6	84.1	82.5	80.3	62
66				66	71.5	73.1	73.1	71.5	66
70					59.4	63.2	63.8	62.7	70
74						53.3	55.5	55	74
78							47.4	47.6	78
82							39.2	40.4	82
86								33.3	86

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

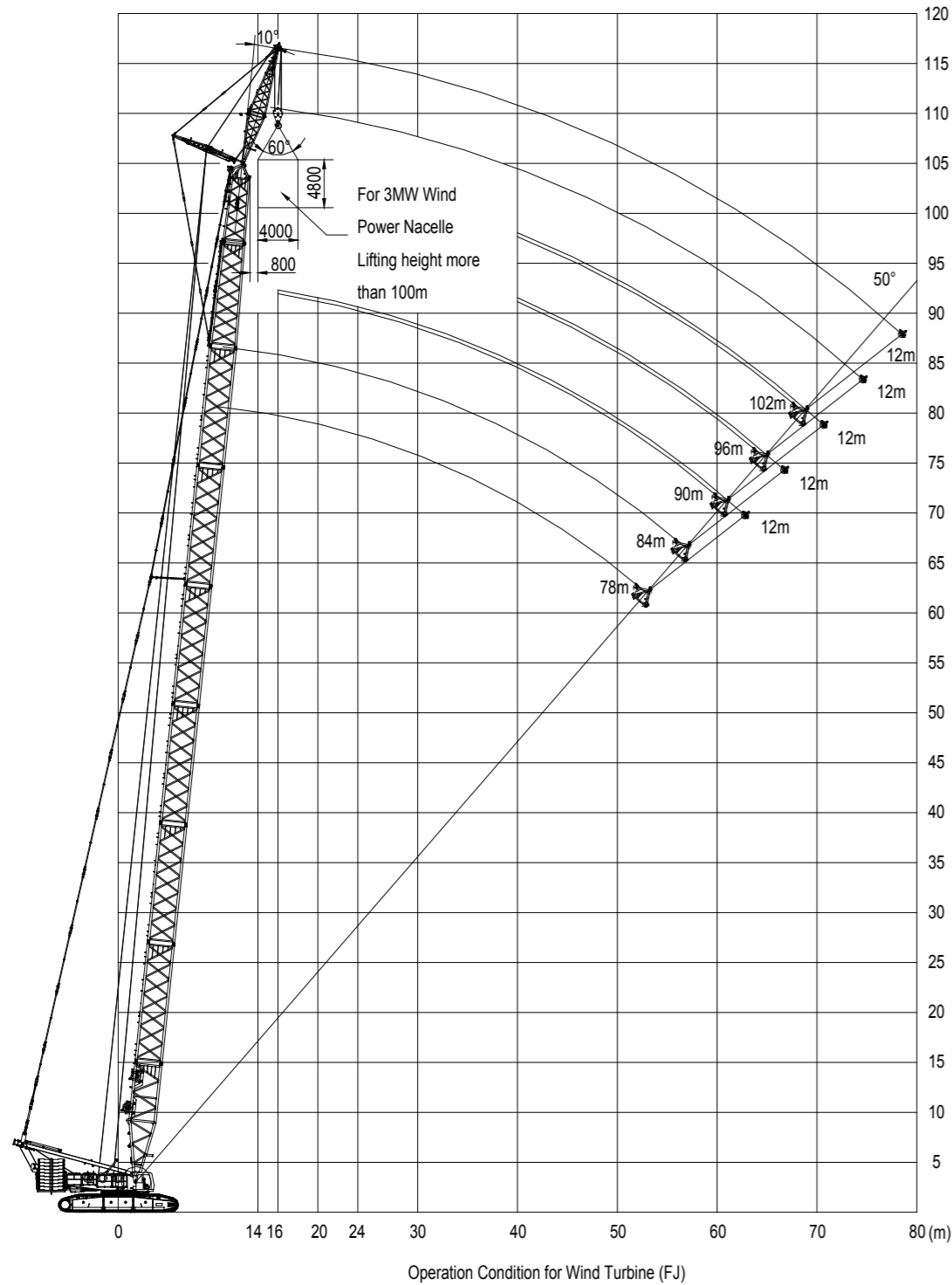
# FJ OPERATING CONDITION

Boom Length (m)	Insert					FixedJib Length (m)
	6m	12mA	12mB	12mC	10.5m	
30	—	—	—	—	1	
36	1	—	—	—	1	
42	—	1	—	—	1	
48	1	1	—	—	1	
54	—	1	1	—	1	
60	1	1	1	—	1	
66	—	1	2	—	1	
72	1	1	2	—	1	
78*	—	1	3	—	1	
84*	1	1	3	—	1	
90*	—	1	3	1	1	
96*	1	1	3	1	1	
102*	—	1	3	2	1	

Note: mid-point suspension cable must be used in the operation condition above to prevent Boom from fracture.



# FJ WORKING RANGE OF FJ OPERATING CONDITION



# LOAD CHART OF FJ OPERATING CONDITON

## SCC6500E Crawler Crane – Load Chart of FJ Operating Condition

Boom length 42-84m Superlift radius 15m Included angle boom to jib 20° Superlift counterweight 310t

Rear counterweight 190t Central counterweight 80t

Unit: (t)

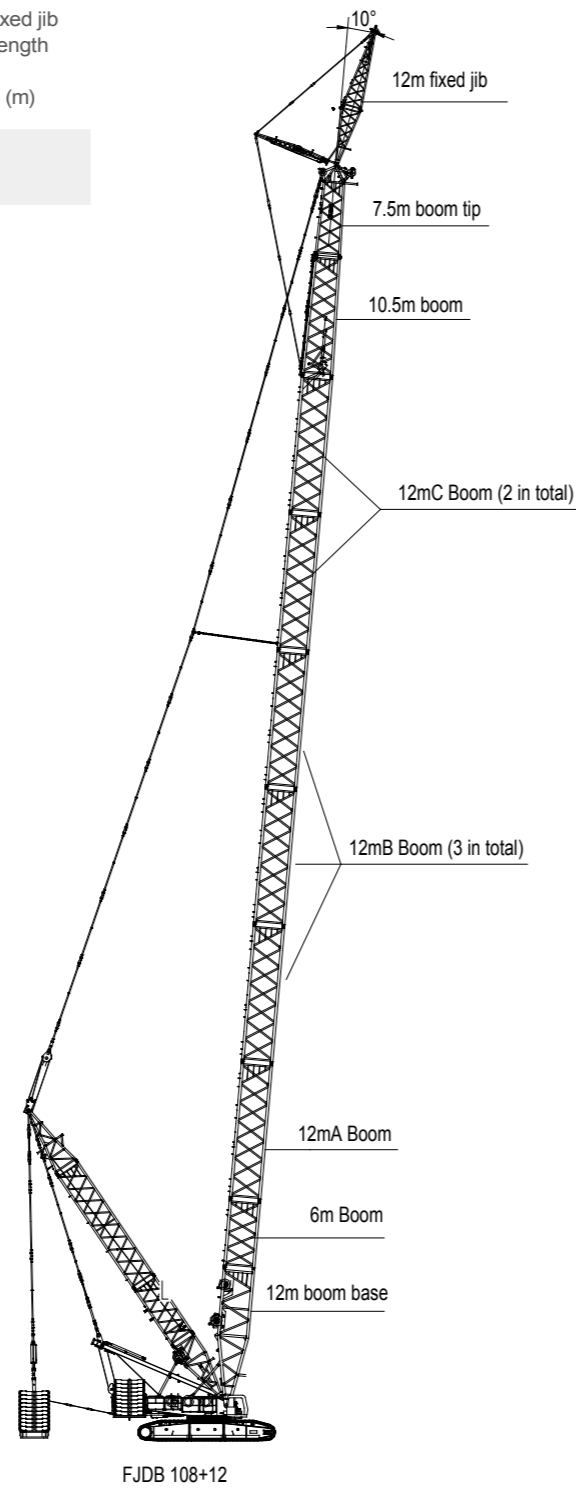
Jib length(m) Radius(m)	30	36	42	48	54	60	66	72	78	84	90	96	102	Jib length(m) Radius(m)
10	143	143												10
11	143	143	143	143										11
12	142	142	143	143	143	143								12
13	136	138	142	142	143	143	143	143						13
14	128	132	137	137	142	142	143	143	143	143				14
15	116	119	124	128	131	135	142	142	143	143	142	142		15
16	109	114	120	124	128	131	134	136	142	142	142	142	141	16
17	105	111	116	120	124	128	131	133	142	142	142	142	141	17
18	101	107	112	117	121	124	127	130	142	142	142	142	141	18
19	97.9	104	109	114	118	121	124	127	139	139	138	138	137	19
20	94.8	100	106	111	115	118	122	125	135	135	134	134	133	20
22	89.0	93.4	96.0	105	109	113	116	120.0	121.0	120.0	118	118	117	22
24	83.9	86.3	91.6	98.0	102	106	110	106	109	106	103	93.0	93.0	24
26	79.6	82.1	87.2	93.8	98.0	102	100	96.5	95.2	93.8	89.1	83.4	76.7	26
28	75.4	78.1	83.2	89.8	94.2	93.9	90.9	87.7	85.5	83.2	77.7	74.2	67.8	28
30	72.1	74.5	79.9	83.5	86.3	83.1	80.5	77.5	74.8	72.7	67.4	64.0	61.8	30
32	68.9	71.5	76.6	80.3	79.1	76.3	73.7	70.9	68.4	66.8	61.8	58.1	56.3	32
34	64.1	68.8	73.5	73.5	72.8	70.1	67.7	65.0	61.9	61.1	55.0	54.0	52.0	34
36	60.2	66.1	69.0	67.3	66.6	64.7	62.4	59.8	56.3	53.6	51.5	49.2	48.3	36
38	55.3	63.9	63.5	61.8	61.1	59.8	57.6	55.0	50.6	48.0	46.1	44.2	43.4	38
40		59.3	58.6	56.9	56.2	55.0	53.2	50.7	46.9	44.2	42.3	40.3	39.2	40
42		54.9	54.1	52.5	51.9	50.6	49.3	46.8	42.2	39.7	37.9	37.2	36.5	42
44			50.1	48.1	47.4	46.2	45.2	42.9	38.1	35.2	34.7	33.0	33.0	44
46			46.5	44.6	43.9	42.7	41.8	39.7	34.1	31.7	31.1	31.4	30.8	46
48			43.1	41.4	40.7	39.5	38.5	36.7	31.3	28.5	28.4	28.4	27.3	48
50			40.0	38.4	37.7	36.5	35.6	33.9	28.1	26.8	26.2	25.7	25.2	50
54				32.4	31.8	30.6	29.8	28.4	23.0	21.7	21.2	20.7	20.3	54
58					27.4	26.3	25.5	24.2	18.5	17.3	17.8	17.4	16.0	58
62						22.0	18.9	17.8	14.6	13.4	14.0	14.6	12.3	62
66							15.9	14.9	11.1	9.9	11.6	11.3	8.9	66
70								13.4	12.3	9.0	7.9	8.6	7.0	70
74									10.1	7.2	6.1	6.8	5.3	74
78										5.6	5.6	5.3		78

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.
- 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.
- 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

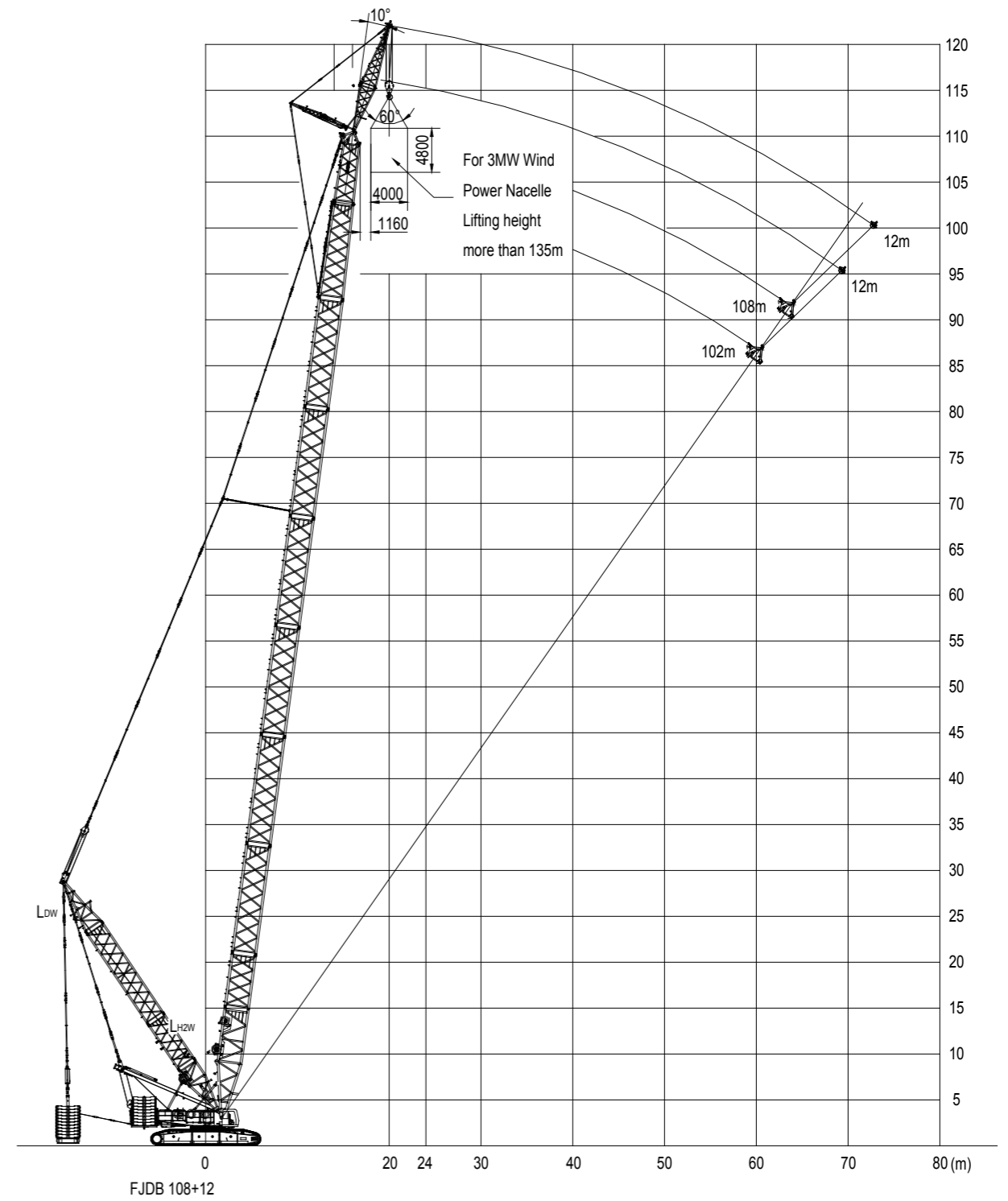
## FJDB OPERATING CONDITION

Boom Length (m)	Insert				Fixed jib length (m)
	6m	12mA	12mB	12mC	
102*	—	1	3	2	1
108*	1	1	3	2	1

Note: mid-point suspension cable must be used in the operation condition above to prevent Boom from fracture.



## WORKING RANGE OF FJDB OPERATING CONDITON



# LOAD CHART OF FJDB OPERATING CONDITION

## SCC6500ECrawler Crane—Load Chart of FJDB

Fixed Jib 12m Superlift Radius15m Angel between boom and jib 10° Rear Counerweight190t

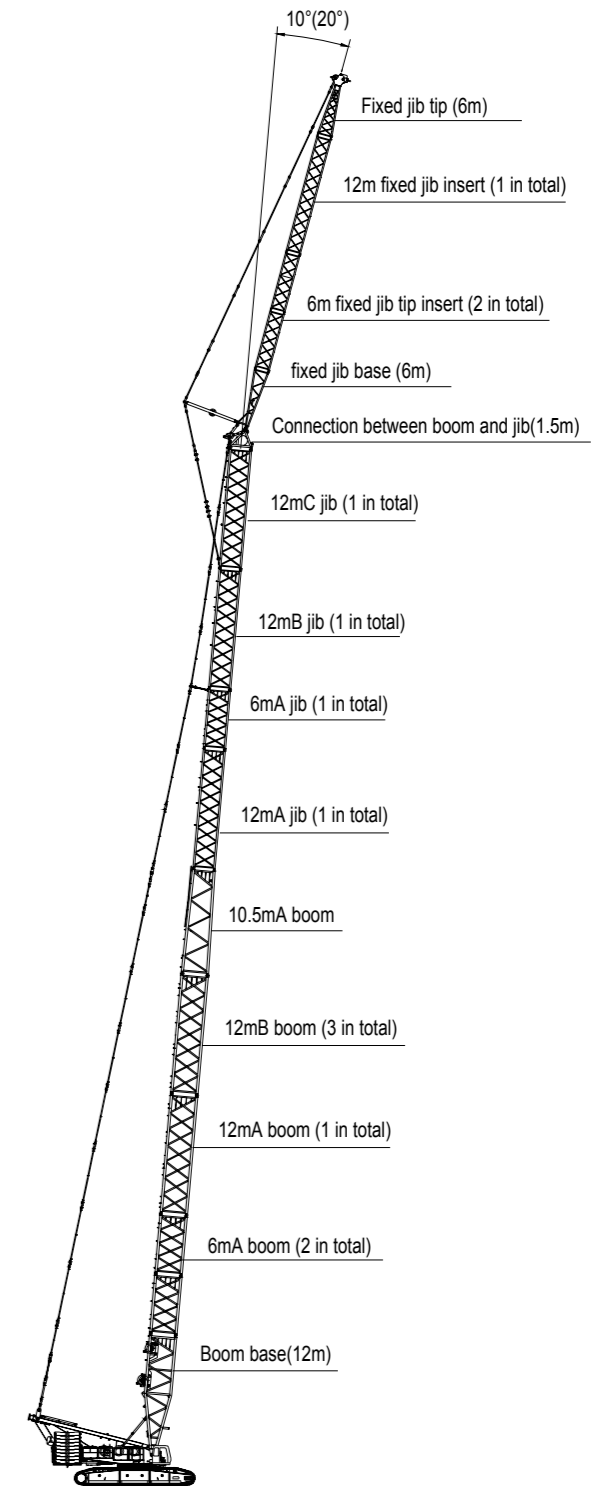
Central Counerweight80							Unit: (t)	
Superlift counterweight (t)	0	100	200	0	100	200	Superlift counterweight (t)	
Jib length(m)	102			108			Jib length(m)	
Radius(m)							Radius(m)	
16	141	141	141*	138	138	138*	16	
17	141	141	141*	138	138	138*	17	
18	141	141	141*	136	136	136*	18	
19	135	139	139*	131	132	132*	19	
20	125	137	137*	121	127	127*	20	
22	112	135	135*	109	124	124*	22	
24	101	133	133	98.4	122	122*	24	
26	90.1	129	130	87.4	119	120	26	
28	81.9	125	127	79.3	117	118	28	
30	74.7	121	124	72.3	115	116	30	
32	68.3	112	121	66.0	110	114	32	
34	60.8	103	118	58.7	102	112	34	
36	55.8	95.3	116	53.7	95.2	109	36	
38	51.2	89.5	114	49.3	88.9	107	38	
40	47.1	83.7	111	45.2	83.0	106	40	
42	43.3	78.4	109	41.1	77.0	104	42	
44	39.9	73.6	106	37.8	72.2	101	44	
46	36.8	69.1	102	34.7	67.7	97.2	46	
48	34.5	67.5	97.0	31.9	63.6	91.7	48	
50	31.7	63.5	91.6	29.2	59.8	86.6	50	
54	26.8	56.4	82.0	24.0	52.0	77.5	54	
58	22.5	50.3	73.9	19.9	46.2	69.7	58	
62	18.7	44.9	66.8	16.4	41.1	62.9	62	
66	15.3	40.0	60.5	13.2	36.6	56.9	66	
70	12.4	35.7	55.0	10.4	32.5	51.7	70	
74	9.7	31.7	50.0	7.9	28.9	46.9	74	
78	7.3	28.1	45.5	5.6	25.6	42.7	78	
82	5.1	24.8	41.6		22.6	38.9	82	
86		21.7	37.9		19.9	35.4	86	
90		19.1	34.6		17.4	32.2	90	
94		16.6	31.5		15.1	29.3	94	
98		14.4	28.6		13.0	26.6	98	
102		12.2	26.0		11.0	24.2	102	
106					9.2	21.8	106	

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.
- 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.
- 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

# HJFJ OPERTAING CONDIOTN

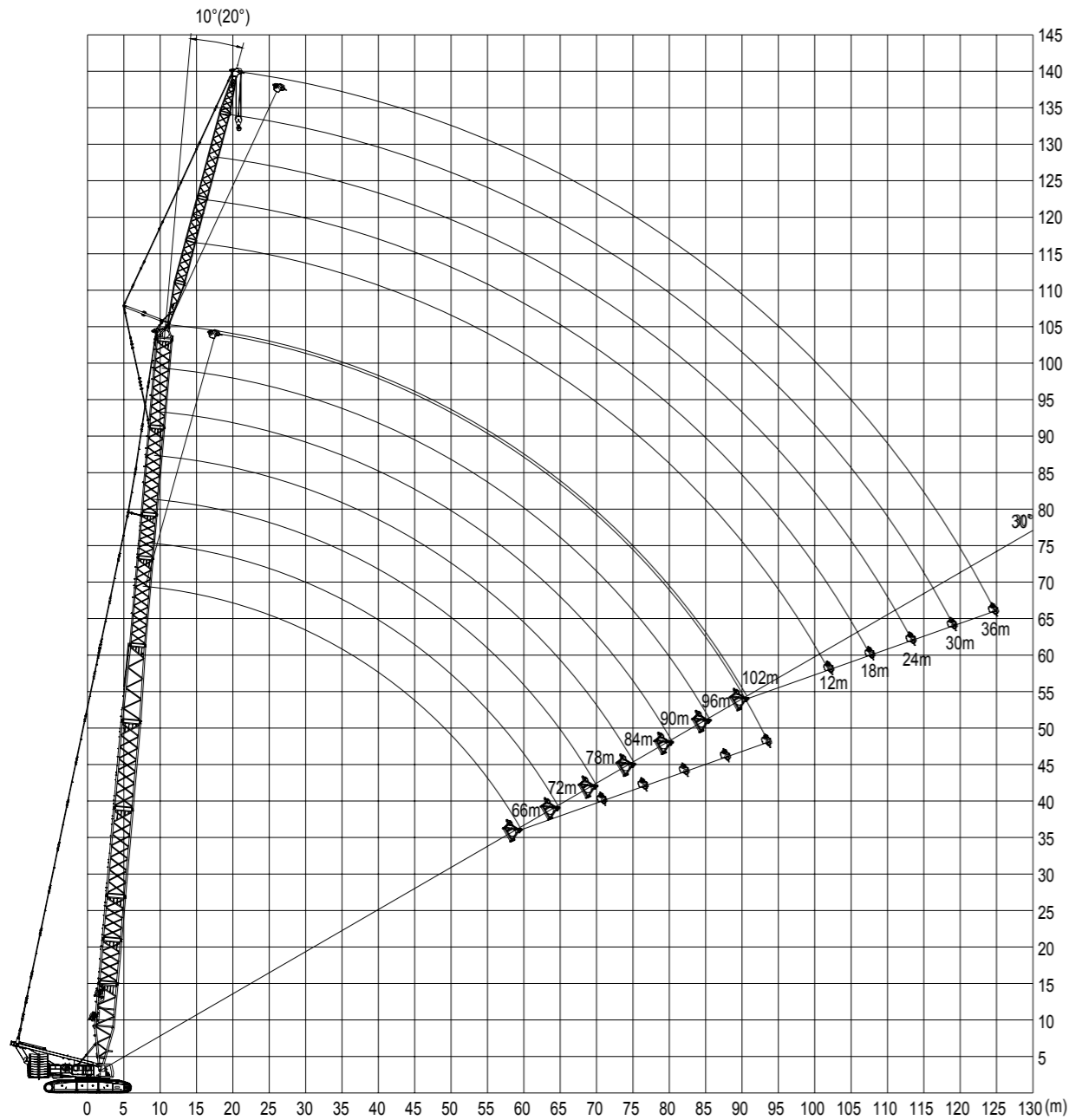
Boom length (m)	Boom insert		Jib insert		Fixed jib (m)
	6m	12m	6m	12m	
66	1	2	-	1	12~36
72	2	2	-	1	
78*	2	2	1	1	
84*	2	2	2	1	
90*	2	2	1	2	
96*	2	2	2	2	
102*	2	2	1	3	

Note: mid-point suspension cable must be used In the operation condition above to prevent Boom from fracture.





## WORKING RANGE OF HJFJ OPERATING CONDITION



## LOAD CHART OF HJFJ OPERATING CONDITION

### SCC6500E Crawler Crane—Load Chart of HJFJ

Boom length 66m~102m Jib 12m Angle between boom and jib 10° Rear counterweight 190t

Central counterweight 80t

Unit: (t)

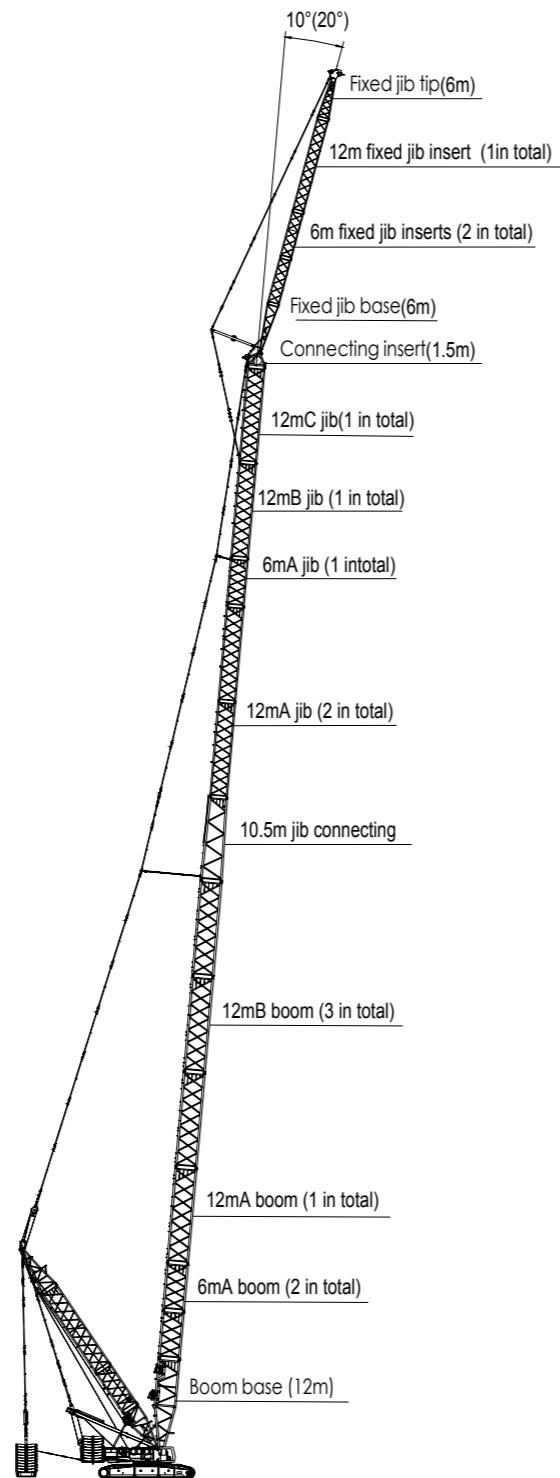
Jib length(m) Radius(m)	66	72	78	84	90	96	102	Jib length(m) Radius(m)
13	115	114						13
14	113	114	102	98.0				14
15	110	112	102	98.0	93.2	88.2		15
16	108	109	102	96.4	92.9	88.1	82.9	16
17	105	107	102	95.0	92.8	87.7	82.5	17
18	103	105	102	93.6	92.3	87.5	81.6	18
19	101	103	98.6	92.3	89.8	85.6	80.4	19
20	99.1	98.6	94.0	89.7	85.6	81.6	77.8	20
22	94.8	89.7	85.6	81.7	78.0	74.4	70.9	22
24	86.7	82.0	78.2	74.7	71.3	68.0	64.8	24
26	79.6	75.2	71.7	68.5	65.4	62.3	59.3	26
28	73.3	69.2	66.0	63.0	60.1	57.2	54.4	28
30	67.7	63.8	60.8	58.0	55.3	52.6	49.9	30
32	62.7	59.0	56.2	53.5	51.0	48.4	45.9	32
34	58.2	54.6	51.9	49.5	47.0	44.6	42.3	34
36	54.1	50.6	48.1	45.8	43.5	41.2	38.9	36
38	50.3	47.0	44.6	42.4	40.2	38.0	35.8	38
40	46.9	43.7	41.4	39.3	37.2	35.0	33.0	40
42	43.8	40.7	38.5	36.4	34.4	32.3	30.3	42
44	40.9	37.8	35.7	33.8	31.8	29.8	27.9	44
46	38.2	35.3	33.2	31.3	29.4	27.5	25.6	46
48	35.8	32.8	30.8	29.0	27.2	25.3	23.5	48
50	33.5	30.6	28.7	26.9	25.1	23.3	21.5	50
54	29.3	26.5	24.7	23.0	21.3	19.6	17.9	54
58	25.7	23.0	21.2	19.6	18.0	16.3	14.7	58
62	22.5	19.8	18.1	16.6	15.0	13.4	11.8	62
66	19.7	17.0	15.4	13.9	12.4	10.8	9.3	66
70	17.1	14.5	12.9	11.4	10.0	8.5	7.0	70
74		12.3	10.7	9.3	7.8	6.4	4.9	74
78			8.7	7.3	5.8	4.4		78
82				5.4	4.0			82

- Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

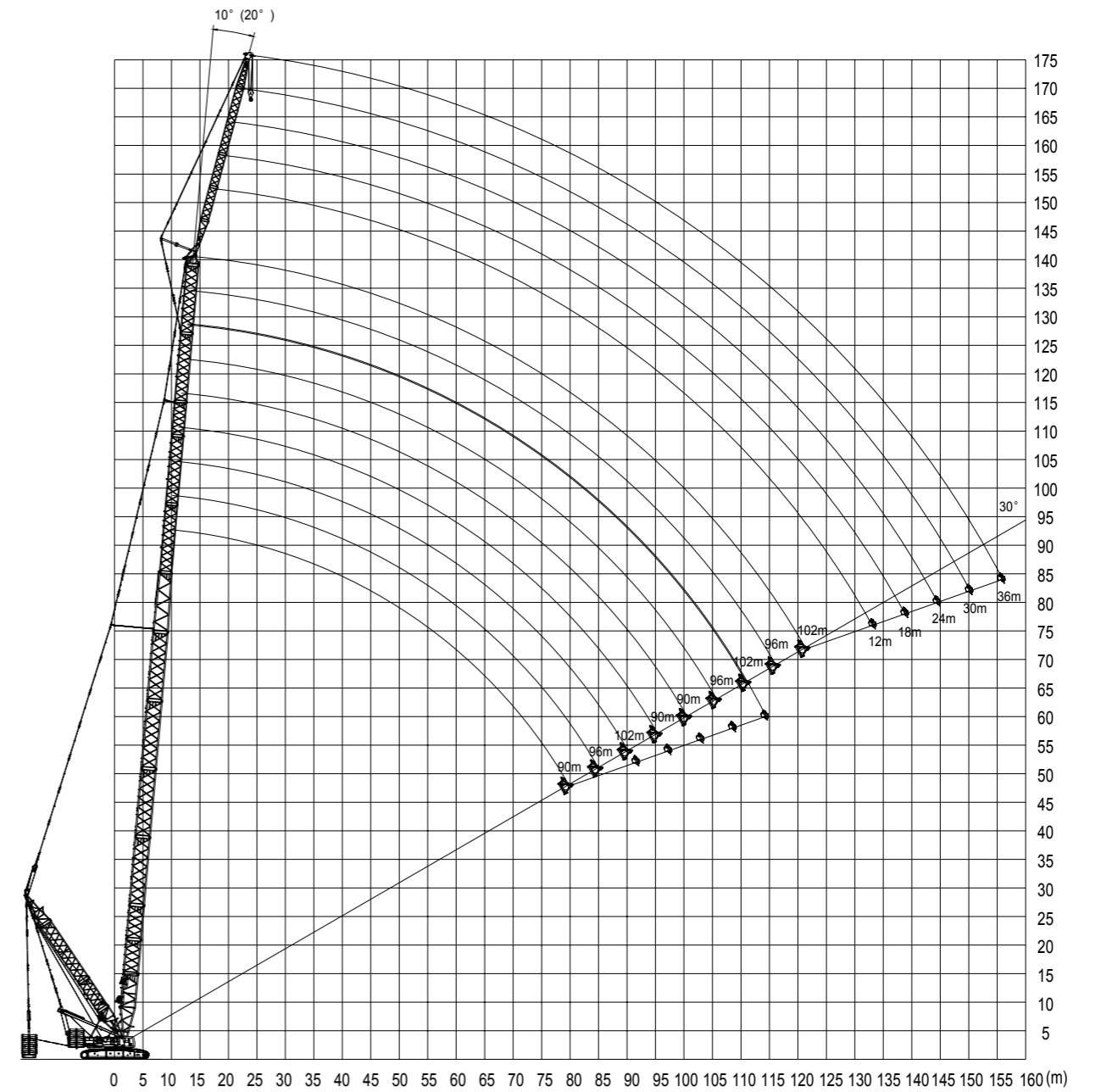
## BOOM COMBINATION OF HJFJDB OPERATING CONDITION

Arm length (m)	Boom insert		Jib insert		Fixed jib (m)
	6m	12m	6m	12m	
90	1	4	-	1	12~36
96	2	4	-	1	
102	2	4	1	1	
108	2	4	2	1	
114	2	4	1	2	
120	2	4	2	2	
126	2	4	1	3	
132	2	4	2	3	
138	2	4	1	4	

Note: waist ropes must be used for all arm lengths (90m~138m) under the operating condition; otherwise the boom is at the risk of fracture.



## OPERATING RANGE DIAGRAM OF HJFJDB OPERATING CONDITION



# LOAD CHART OF HJFJDB OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of HJFJDB Operating Condition

Boom length 90-138m Jib length 12m Included angle between boom and jib 10° Superlift radius 15m

Superlift counterweight 0t Rear counterweight 190t Central counterweight 80t										Unit: (t)
Jib length(m) Radius(m)	90	96	102	108	114	120	126	132	138	Jib length(m) Radius(m)
15	98	93.4								15
16	98	93.4	88.7	83.7						16
17	98	93.6	88.5	83.8	79.2	73.8				17
18	98	93.6	88.5	83.7	79	73.5	69.6	64.9		18
19	98	93.5	88.3	83.5	79.1	73.1	69.2	64.4	60.4	19
20	94.6	89.6	85.6	81.8	78.5	73.2	68.9	64	59.5	20
22	86.4	81.8	78.1	74.7	71.7	68.4	65.2	62.1	58.3	22
24	79.2	74.9	71.5	68.3	65.6	62.6	59.6	56.7	53.9	24
26	72.8	68.7	65.6	62.7	60.1	57.3	54.6	51.9	49.2	26
28	67	63.2	60.3	57.5	55.2	52.6	50	47.4	44.9	28
30	61.9	58.2	55.5	52.9	50.8	48.3	45.8	43.4	41	30
32	57.2	53.7	51.1	48.7	46.7	44.4	42	39.7	37.4	32
34	53	49.6	47.2	44.9	43	40.7	38.5	36.3	34.1	34
36	49.1	45.9	43.5	41.4	39.6	37.4	35.3	33.2	31.1	36
38	45.6	42.4	40.2	38.1	36.4	34.4	32.3	30.3	28.3	38
40	42.3	39.3	37.1	35.1	33.5	31.6	29.6	27.6	25.6	40
42	39.3	36.3	34.3	32.4	30.8	28.9	27	25.1	23.2	42
44	36.5	33.6	31.6	29.8	28.3	26.5	24.6	22.8	20.9	44
46	34	31.1	29.2	27.4	26	24.2	22.4	20.6	18.8	46
48	31.6	28.8	26.9	25.2	23.8	22.1	20.3	18.6	16.8	48
50	29.3	26.6	24.8	23.1	21.8	20.1	18.4	16.7	15	50
54	25.3	22.6	20.9	19.3	18	16.4	14.8	13.2	11.6	54
58	21.7	19.1	17.4	15.9	14.8	13.2	11.6	10.1	8.5	58
62	18.6	16	14.4	12.9	11.8	10.3	8.8	7.3	5.8	62
66	15.7	13.2	11.6	10.2	9.2	7.7	6.3	4.8		66
70	13.2	10.7	9.2	7.8	6.8	5.4				70
74	10.9	8.5	7	5.6	4.6					74
78	8.8	6.4	4.9							78
82	7	4.5								82
86	5.2									86

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

# LOAD CHART OF HJFJDB OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of HJFJDB Operating

Boom length 90-138m Jib length 36m Included angle between boom and jib 10° Superlift radius 15m

Superlift counterweight 310t Rear counterweight 190t Central counterweight 80t										Unit: (t)
Jib length(m) Radius(m)	90	96	102	108	114	120	126	132	138	Jib length(m) Radius(m)
22	39.6*	39.3*	38.6*							22
24	38.7*	38.4*	37.8*	37.0*	36.3*	35.1*	34.2*			24
26	37.8*	37.5*	37.2*	36.5*	35.8*	34.4*	33.5*	32.1*	30.6*	26
28	37.1*	36.9*	36.4*	35.7*	35.0*	33.9*	32.7*	31.4*	29.9*	28
30	36.3*	36.1*	35.6*	35.2*	34.6*	33.2*	32.3*	30.7*	29.6*	30
32	35.5*	35.3*	35.1*	34.5*	33.8*	32.5*	31.6*	30.3*	28.9*	32
34	34.7*	34.8*	34.3*	33.8*	33.1*	32.1*	30.9*	29.6*	28.2*	34
36	34.1*	34.0*	33.6*	33.3*	32.7*	31.4*	30.6*	29.4*	28.0*	36
38	33.4*	33.3*	33.1*	32.6*	32.0*	31.1*	29.9*	28.7*	27.3*	38
40	32.7*	32.6*	32.4*	32.2*	31.6*	30.4*	29.6*	28.4*	27.0*	40
42	32.0*	32.1*	32.0*	31.5*	31.0*	30.0*	29.0*	27.8*	26.4*	42
44	31.3*	31.4*	31.3*	30.9*	30.6*	29.4*	28.7*	27.5*	26.2*	44
46	30.6*	30.8*	30.7*	30.5*	30.0*	29.1*	28.0*	26.9*	25.5*	46
48	30.0*	30.1*	30.3*	29.9*	29.6*	28.5*	27.8*	26.6*	25.3*	48
50	29.3*	29.7*	29.6*	29.5*	29.0*	28.2*	27.5*	26.0*	25.1*	50
54	28.1*	28.5*	28.7*	28.6*	28.1*	27.3*	26.6*	25.5*	24.3*	54
58	27.2*	27.4*	27.5*	27.6*	27.2*	26.4*	25.8*	24.7*	23.5*	58
62	25.8*	26.5*	26.6*	26.6*	26.4*	25.9*	25.3*	24.3*	23.1*	62
66	24.8*	25.4*	25.6*	25.7*	25.6*	25.1*	24.5*	23.5*	22.4*	66
70	23.8*	24.4*	24.8*	25.0*	25.0*	24.3*	24.1*	23.1*	22.0*	70
74	22.8*	23.4*	23.8*	24.2*	24.3*	23.9*	23.3*	22.4*	21.6*	74
78	21.9*	22.5*	23.1*	23.2*	23.6*	23.2*	22.9*	22.0*	21.3*	78
82	21.0*	21.6*	22.2*	22.5*	22.9*	22.7*	22.3*	21.7*	20.6*	82
86	19.9*	20.7*	21.3*	21.9*	22.0*	22.1*	21.9*	21.3*	20.3*	86
90	19.0*	19.8*	20.4*	21.0*	21.4*	21.4*	21.5*	21.0*	20.0*	90
94	18.2*	19.0*	19.6*	20.2*	20.7*	20.8*	20.9*	20.6*	19.7*	94
98	17.4*	18.2*	18.8*	19.6*	20.1*	20.2*	20.5*	20.0*	19.7*	98
102	16.3*	17.4*	18.2*	18.8*	19.3*	19.7*	19.9*	19.7	19.4	102
106	15.5*	16.6*	17.4*	18.0*	18.8*	19.1	19.4	19.4	19.1	106
110	14.7*	15.8*	16.6*	17.2*	18	18.5	18.8	18.8	18.8	110
114	13.9*	14.8*	15.9*	16.7	17.2	17.8	18.3	18.6	18.3	114
118		14.0*	15.1	15.9	16.7	17.2	17.8	18	18	118
122			14.3	15.2	16	16.7	17.3	17.5	17.8	122
126				14.4	15.2	16	16.5	17	17.3	126
130				13.6	14.7	15.2	16	16.5	16.1	130
134					12.8	14.8	15.5	15.4	14.9	134
138						14	14.8	14.3	13.7	138
142							13.7	13.2	12.7	142
146								12.2	11.6	146
150								11.2	10.7	150
154									9.7	154

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

# LOAD CHART OF HJFJDB OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of HJFJDB Operating

BBoom length 90-138m Jib length 12m Included angle between boom and jib 20° Superlift radius 15m

Superlift counterweight 0t Rear counterweight 190t Central counterweight 80t										Unit: (t)
Jib length(m) Radius(m)	90	96	102	108	114	120	126	132	138	Jib length(m) Radius(m)
17	99.6	95.1								17
18	98.8	94.4	89.1	84.1						18
19	98	93.7	88.5	83.4	78.9	73.3				19
20	97	92.1	87.7	82.7	78.2	72.6	68.4	63.1		20
22	88.6	84.1	80.4	76.9	73.9	70.7	67	62	55.9	22
24	81.2	77	73.6	70.4	67.7	64.7	61.7	58.8	54.7	24
26	74.6	70.6	67.5	64.6	62.1	59.3	56.5	53.8	51.1	26
28	68.8	65	62.1	59.4	57	54.4	51.8	49.3	46.7	28
30	63.5	59.9	57.2	54.6	52.5	50	47.5	45.1	42.7	30
32	58.7	55.3	52.7	50.3	48.3	46	43.6	41.3	39.1	32
34	54.4	51.1	48.6	46.4	44.5	42.3	40	37.9	35.7	34
36	50.4	47.2	44.9	42.8	41	38.9	36.7	34.7	32.6	36
38	46.8	43.7	41.5	39.4	37.8	35.7	33.7	31.7	29.7	38
40	43.5	40.5	38.4	36.4	34.8	32.8	30.9	28.9	27	40
42	40.4	37.5	35.4	33.5	32	30.2	28.3	26.4	24.5	42
44	37.6	34.7	32.7	30.9	29.5	27.6	25.8	24	22.2	44
46	34.9	32.1	30.2	28.5	27.1	25.3	23.5	21.8	20	46
48	32.5	29.7	27.9	26.2	24.8	23.1	21.4	19.7	18	48
50	30.2	27.5	25.7	24	22.7	21.1	19.4	17.7	16	50
54	26	23.4	21.7	20.1	18.9	17.4	15.7	14.2	12.5	54
58	22.4	19.8	18.2	16.7	15.6	14	12.5	11	9.4	58
62	19.1	16.6	15.1	13.6	12.5	11.1	9.6	8.1	6.6	62
66	16.2	13.8	12.2	10.9	9.8	8.4	7	5.5	4.1	66
70	13.6	11.2	9.7	8.4	7.4	6	4.6			70
74	11.3	8.9	7.4	6.1	5.1					74
78	9.1	6.8	5.3	4						78
82	7.2	4.8								82
86	5.4									86

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.

# LOAD CHART OF HJFJDB OPERATING CONDITION

## SCC6500E Crawler Crane – Load Chart of HJFJDB Operating

Boom length 90-138m Jib length 36m Included angle between boom and jib 20° Superlift radius 15m

Superlift counterweight 310t Rear counterweight 190t Central counterweight 80t										Unit: (t)
Jib length(m) Radius(m)	90	96	102	108	114	120	126	132	138	Jib length(m) Radius(m)
28	31.4*	31.1*	30.8*	30.1*						28
30	30.7*	30.5*	30.1*	29.7*	29.1*	28.1*	27.3*			30
32	30.1*	29.8*	29.5*	29.1*	28.5*	27.5*	26.7*	25.4*	24.5*	32
34	29.5*	29.4*	29.2*	28.6*	28.2*	27.2*	26.4*	25.2*	23.9*	34
36	28.9*	28.8*	28.6*	28.0*	27.6*	26.6*	25.9*	24.7*	23.3*	36
38	28.3*	28.3*	28.0*	27.7*	27.1*	26.1*	25.3*	24.4*	23.1*	38
40	27.7*	27.7*	27.4*	27.1*	26.8*	25.8*	25.1*	23.9*	22.6*	40
42	27.1*	27.1*	26.9*	26.6*	26.2*	25.3*	24.6*	23.4*	22.4*	42
44	26.6*	26.6*	26.6*	26.3*	25.7*	25.1*	24.3*	23.2*	21.9*	44
46	26.0*	26.1*	26.1*	25.8*	25.5*	24.5*	23.8*	22.7*	21.7*	46
48	25.5*	25.5*	25.5*	25.3*	25.0*	24.3*	23.6*	22.5*	21.2*	48
50	25.0*	25.3*	25.0*	25.0*	24.7*	23.8*	23.1*	22.3*	21.0*	50
54	24.0*	24.3*	24.3*	24.0*	24.0*	23.1*	22.4*	21.6*	20.3*	54
58	23.1*	23.3*	23.3*	23.3*	23.3*	22.4*	22.0*	20.9*	20.0*	58
62	22.1*	22.4*	22.6*	22.7*	22.4*	22.0*	21.4*	20.6*	19.4*	62
66	21.3*	21.5*	21.8*	22.0*	21.7*	21.4*	20.8*	20.0*	19.1*	66
70	20.4*	20.9*	21.1*	21.1*	21.1*	20.8*	20.4*	19.7*	18.5*	70
74	19.6*	20.0*	20.3*	20.5*	20.5*	20.2*	19.8*	19.1*	18.3*	74
78	18.7*	19.2*	19.7*	20.0*	19.9*	19.9*	19.5*	18.8*	18.0*	78
82	17.9*	18.4*	18.9*	19.1*	19.4*	19.3*	19.0*	18.6*	17.8*	82
86	17.1*	17.6*	18.1*	18.6*	18.8*	18.8*	18.7*	18.0*	17.2*	86
90	16.4*	17.1*	17.6*	17.8*	18.3*	18.2*	18.2*	17.8*	17.0*	90
94	15.6*	16.4*	16.8*	17.3*	17.8*	17.7*	17.9*	17.5*	16.8*	94
98	14.8*	15.6*	16.3*	16.8*	17.0*	17.2*	17.4*	17.3*	16.6*	98
102	14.3*	14.8*	15.6*	16.1*	16.5*	16.7*	16.9*	16.8*	16.4*	102
106	13.6*	14.4*	14.8*	15.6*	16.1*	16.3*	16.4*	16.6*	16.2*	106
110	12.8*	13.6*	14.4*	14.8*	15.3*	15.8*	16.2*	16.1*	16	110
114	12.4*	13.2*	13.6*	14.4*	14.9*	15.3*	15.8	15.9	15.8	114
118		12.4*	13.2*	13.7*	14.4*	14.9	15.3	15.5	15.4	118
122			12.4*	13.2	13.7	14.4	14.9	15	15.2	122
126			12	12.8	13.2	13.7	14.2	14.6	14.8	126
130				12	12.8	13.3	13.7	14.2	14.6	130
134					11.7	12.8	13.3	13.7	14.2	134
138						12.4	12.8	13.3	13.7	138
142						11.7	12.4	12.9	13.1	142
146							11.9	12.5	12	146
150								11.4	11	150
154									10	154

Notes: 1.The rated load value in the table includes the weight of lifting hook, wire rope and other lifting appliances, and the lifting weight is the rated load value minus the sum of the above items.  
 2.The rated load of main hook with extension arm is the value in the load chart minus the equivalent weight of extension 1t.  
 3.The figure with \* in the chart indicates that the superlift counterweight can not leave the ground under the operating condition.









## Quality Changes the World

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