SANY®

SCC6500A

Crawler Crane
650 Tons Lifting Capacity

Quality Changes the World



Max. lifting moment: 8600t·m
Max. boom length: 108m
Max. luffing jib combination: 96m+96m



Crawler Crane Series
SCC6500A

P03	Main Characteristics	▪ Product Specification ▪ Safety Devices
P10	Technical Parameters	▪ Main Performance Parameters ▪ Basic Dimensions of Crane ▪ Transportation Dimensions ▪ Transport Plan ▪ Self-Assembly and Disassembly plan ▪ Assembly Schematics
P27	Cofigurations	▪ H working condition ▪ HDB working condition ▪ HJ working condition ▪ HJDB working condition ▪ FJ working condition ▪ FJDB working condition ▪ HJFJ_1 working condition ▪ HJFJ working condition ▪ HJFJDB working condition ▪ HJFJDB_4 working condition ▪ LJ working condition ▪ LJDB working condition



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Main Characteristics

- Page 04 Product Specification
- Page 08 Safety Devices

> 03

Product Specification

Engine

- Model: Cummins QSX15-C600 Diesel engine;
- Type: 4-stroke, water-cooled, vertical in-line 6 cylinders, direct injection, turbo-charger, intercooler, complied with European Off-way Tier III Emission Standard and Chinese Off-way Tier III Emission Standard.
- Displacement: 15L;
- Rated power: 447kW/1800rpm;
- Max. Torque: 2542N·m/1400rpm;
- Starter: 24V-8.25kW;
- Radiator: fin type aluminum plate core;
- Air cleaner: Dry type system with main filter element, safety element and resistance indicator;
- Throttle: Grip type hand throttle, electrically-controlled;
- Fuel filter: Replaceable paper element;
- Batteries: Two 12V×180Ah capacity batteries, connected in series;
- Fuel tank capacity: 1000L

Electrical Control System

- Self-developed SYIC-II integrated control system is adopted with higher integration, precise operation and reliable quality;
- Control system consists of power system, engine system, main control system, LMI system, auxiliary system and safety monitoring system. CAN BUS is used for data communication between controller, monitor and the engine.
- Monitor: the working parameters and status are shown on the monitor, such as the engine speed, fuel volume, engine oil pressure, servo pressure, wind speed, engine working hours, LMI data, ground bearing pressure, control handle function, alarm information, failure self-diagnosis;
- Remote Monitoring System: newly developed APP can collect equipment status at any time anywhere. Online functions such as smart maintenance reminder, failure alarm, construction data feeding, one-click service request, equipment health management are available, which makes the information more transparent and instant;
- Remote Control System: all main mechanisms and assisting cylinders can be controlled through remote control box as an optional feature. The monitor can show data of engine and LMI to ensure smarter, easier and safer operation.

Hydraulic System

- Main pumps: five 125CC close piston pumps of variable displacement are adopted to provide oil supply for main actuators of main machine.
- Gear pump: two dual-gear pumps for boosting oil for close-circuit system, oil radiator, A/C control circuit;
- Control: closed main pump adopts electrical proportional bi-directional control; winch motor adopts limitless adjustable piston motor of variable displacement. The operating components are two one-way electrical control handle, one dual-travel electrically controlled pedal to control various actuators proportionally.
- Way of cooling: air-cooled heat exchanger, fan core and multi-stage cooling.
- Filter: large flow, high precision filter, with bypass valve and transmitter, which can remind the user to replace the filter element in time.
- Max. pressure of system:
- Main/aux. load hoist, boom/jib hoist, superlift luffing and travel system: 33MPa
- Superlift counterweight, self-assembly cylinder:31.5MPa
- Swing system: 30MPa
- Servo system: 4MPa
- Hydraulic Tank Capacity:1045L

Load Hoisting Mechanism

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

Main Hoisting Mechanism W1-1 Main Hoisting Mechanism 1 W1-2 Main Hoisting Mechanism 2	Drum diameter	630mm
	Rope speed on the outermost work layer	0~130m/min
	Wire rope diameter	28mm
	Wire rope length of main hoist	1000m
	Rated single line pull	17.1t
Auxiliary Hoisting Mechanism W2	Drum diameter	630mm
	Rope speed on the outermost work layer	0~120m/min
	Wire rope diameter	28mm
	Wire rope length of auxiliary hoist	665m
	Rated single line pull	17.1t

Product Specification

Luffing Mechanism

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

Main and Auxiliary Mechanism W3	Drum diameter	630mm
	Rope speed on the outermost work layer	0~112m/min
	Steel rope diameter	28mm
	Steel rope length of main luffing	680m
Auxiliary Luffing W4	Drum diameter	630mm
	Rope speed on the outermost work layer	0~120m/min
	Steel rope diameter	28mm
	Steel rope length of auxiliary luffing	960m
Superlift Luffing W5	Drum diameter	630mm
	Rope speed on the outermost work layer	0~125m/min
	Steel rope diameter	28mm
	Steel rope length of superlift luffing	1020m

Swing Mechanism

- Swing brake adopts wet, spring loaded, normally-closed brake, and braking through spring force;
- Swing system adopts closed system with free slipping function. It is featured in steady starting and control, and excellent inching function.
- Swing drive: external engaged swing drive with 360° swing range, and the max. swing speed is 1.0r/min. The max. drive pressure can reach 33MPa.
- Swing lock: cylinder lock can ensure the upperworks locked securely after work or during transport;
- Swing ring: three-row roller bearing

Cab and Control

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

Counterweight

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

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

Upperworks

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

Product Specification

Carbody

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

Crawler Assembly

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

Boom

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

Fixed Jib

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

Luffing Jib

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

Product Specification

Superlift Device

- The superlift mast is a spatial lattice structure with equal section areas for inserts and tapered section areas for both ends. With pipes welded together, and boom tip and root strengthened with steel plates, it can better transfer the load;
- The superlift mast is 36m or 39.5m;
- Composition: mast base 12m×1, insert section 12m×1, 3.5mx1 and 12m×1.

Hook

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

Name of Hook	Max. Lifting Capacity (t)	Quantity	Pulleys	Unit Weight (t)
650t hook	650	1	2×13	20.2
350t hook	350	1	2×7	10.5
180t hook	180	1	2×3	6.3
100t hook	100	1	3	3.2
50t hook	50	1	1	1.4
18t ball hook	18	1	/	1

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

Additional attachments:

- Side outriggers for erection aid;
- Lowerworks jack cylinders;
- Crawler self-assembly cylinder (on the boom hoist mast);
- Portable power pack;
- Quick connector between upperworks and lowerworks.

Operating Weight

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

Ground Pressure

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

Gradeability

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

Safety Devices

Load Moment Limiter

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

Over-hoist Protection of the Main and Auxiliary Hooks

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

Over-release Protection Device of the Main and Auxiliary Hook

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

Boom Angle Limit

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

Back-stop Device

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

Brake of Hoisting Mechanism

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

Closed Circuit Monitoring System

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

Fault Auto-Diagnosis System

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

Safety Devices

Black Box

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

Pharos

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

Anemometer

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

Electronic Level Indicator

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

Lightning Protection Device

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

Boom Angle Indicator

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

Hook Latch

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

Swing and Traveling Alarm

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

Function Lock

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

Regulation of Engine Power Ultimate Load and Stalling Protection

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

Remote Monitoring System

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

Proactive Safety Control Technology

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

B

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Technical Parameters

- Page 11 Major Performance & Specifications
- Page 12 Outline Dimension
- Page 14 Transport Dimension
- Page 22 Transport Plan
- Page 26 Self-Assembly and Disassembly plan
- Page 27 Assembly Schematics

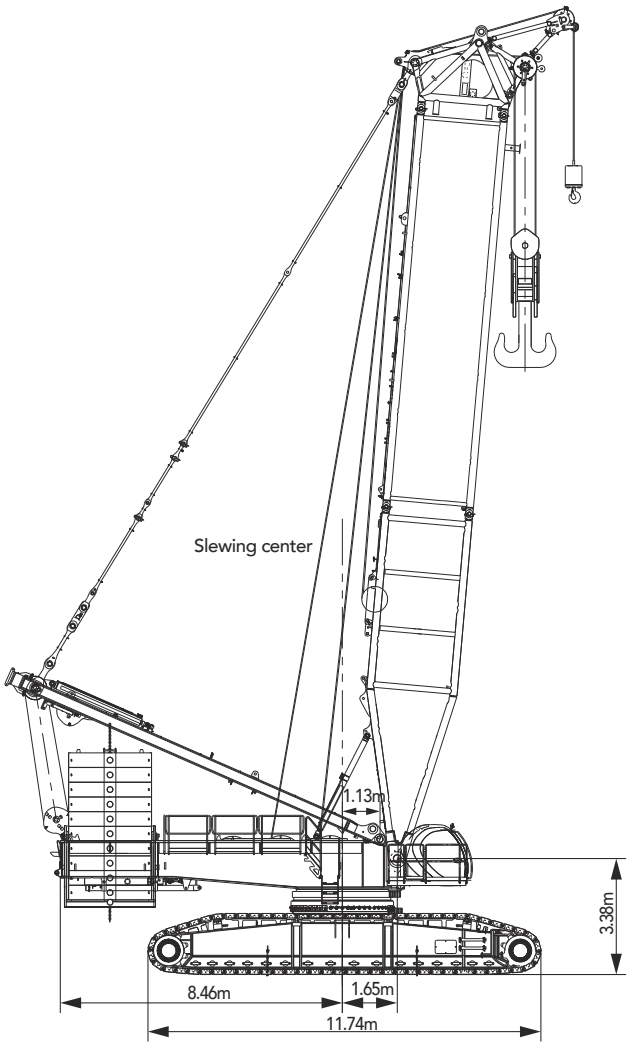
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Main Performance Parameters

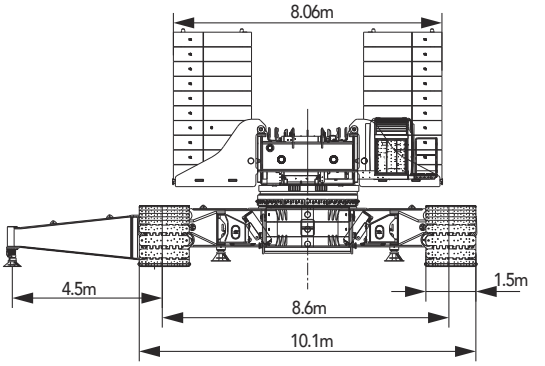
Major Performance & Specifications of SCC6500A		
Performance Indicators	Unit	Parameter
Max. rated lifting capacity	t	650 (5.5m working radius)
Max. rated lifting capacity (with superlift)	t	650 (12m working radius)
Max. rated lifting moment (with superlift)	t·m	8600
Boom length	m	24 ~ 96
Boom length (with superlift)	m	36 ~ 108
Length of mixed boom	m	66 ~ 114
Length of mixed boom (with superlift)	m	90 ~ 144
Length of luffing jib	m	24 ~ 66
Length of luffing jib (with superlift)	m	24 ~ 96
Length of fixed short jib	m	12
Combination of longest booms (LJDB working condition)	m	96+96
Longest boom + jib of wind turbine working condition (without superlift)	m	114+12
Longest boom+ jib of wind turbine working condition (with superlift + power boom)	m	165+12
Longest mixed boom (with superlift + power boom)	m	165
Boom luffing angle	°	30 ~ 85
Jib luffing angle	°	15 ~ 75
Fixed jib angle	°	10/15/20
Max. speed of single rope of the main hoist (outermost work layer)	m/min	130
Max. speed of single rope of the auxiliary hoist (outermost work layer)	m/min	120
Max. speed of single rope of the boom luffing (outermost work layer)	m/min	56×2
Max. speed of single rope of the jib luffing (outermost work layer)	m/min	120
Max. speed of single rope of the superlift luffing (outermost work layer)	m/min	125
Swing speed (no load)	r/min	0.8
Travel speed	km/h	0 ~ 1.0 (high speed) / 0 ~ 0.3 (low speed)
Gradeability (with base boom, driver's cab backwards)	%	15
Rated output power of the engine	kW/r/min	447/1800
Crane weight (basic boom, 210t rear counterweight, 60t center counterweight, and 650t hook)	t	505
Average ground pressure of the track (basic boom, 210t rear counterweight, 60t center counterweight, and 650t hook)	MPa	0.15
Rear counterweight of the basic machine	t	200
Superlift counterweight (including tray)	t	310
Center counterweight	t	60
Max. transport dimension of single part(L × W × H)	mm	13290×3000×3200
Max. transport weight of single part	t	65
Max. transport weight of single part (with separator)	t	44.5

Unit: mm

Outline Dimension

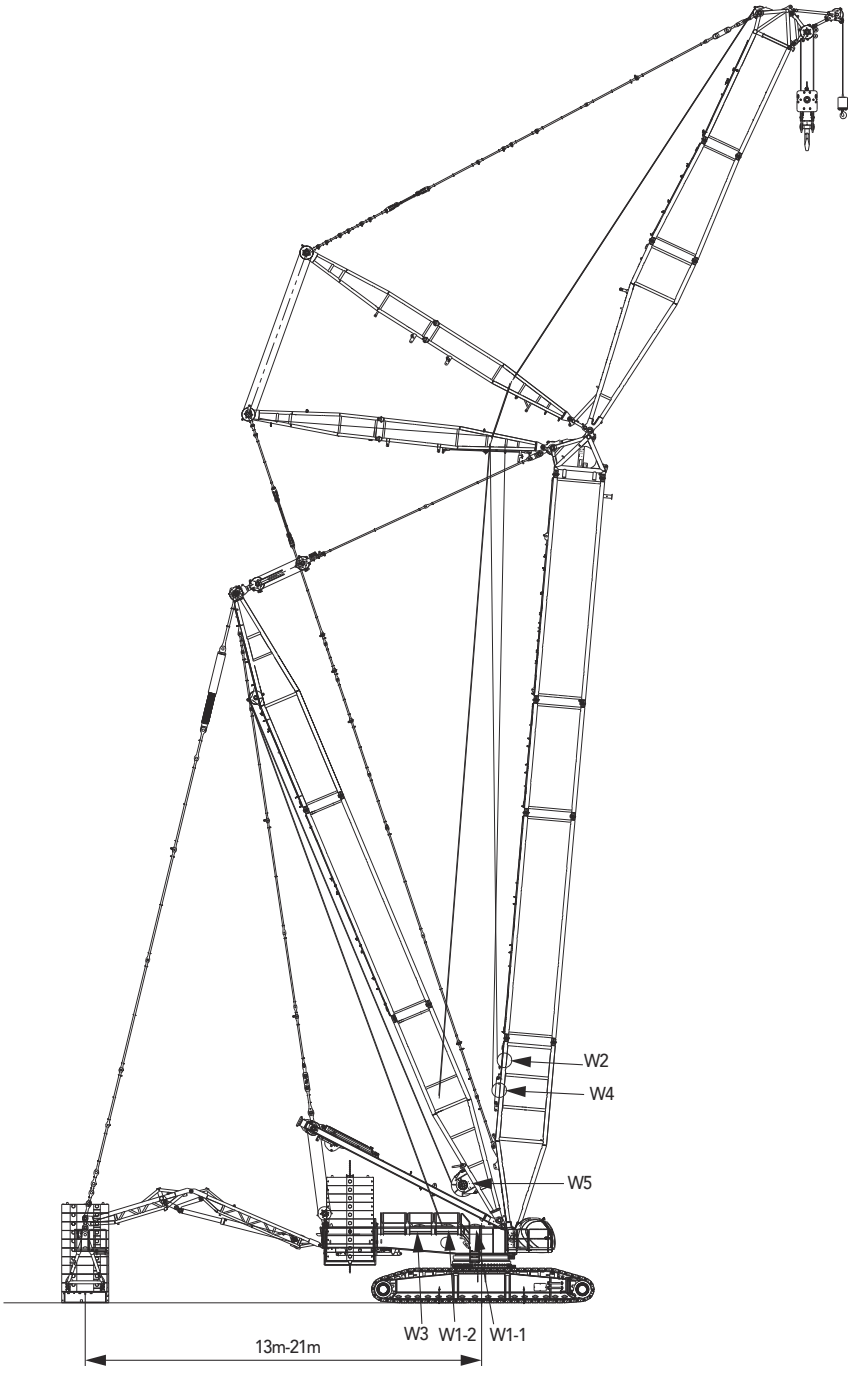


Remove the boom and boom hoist mast

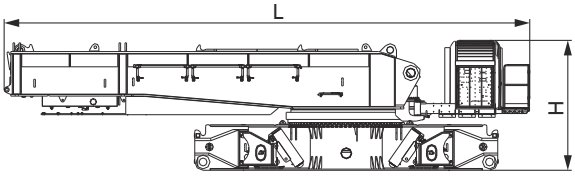


Unit: mm

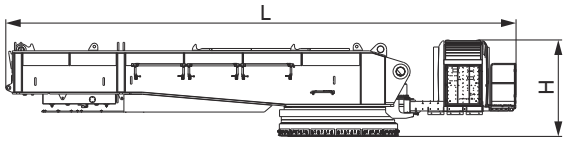
Outline Dimension



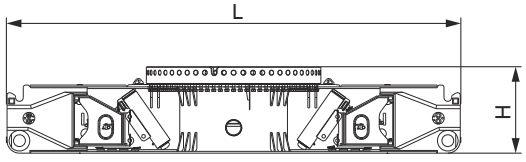
Transport Dimension



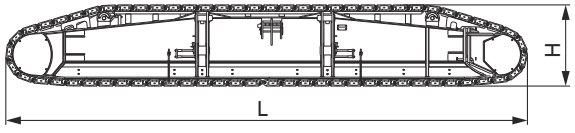
Main body (Upperworks and lowerworks not separated)	×1
Length (L)	13.29m
Width (W)	3.00m
Height (H)	3.20m
Weight	65t



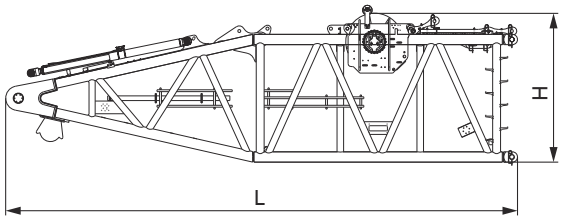
Main body (Upperworks and lowerworks separated)	×1
Length (L)	13.29m
Width (W)	3.00m
Height (H)	2.52m
Weight	44.5t



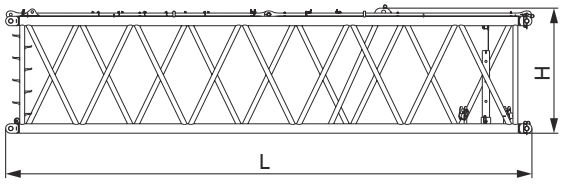
Carbody (Upperworks and lowerworks separated)	×1
Length (L)	7.68m
Width (W)	3.00m
Height (H)	1.46m
Weight	28.5t



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

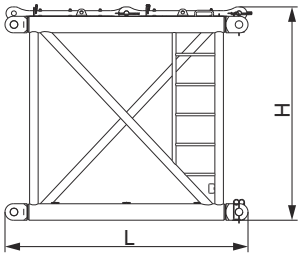


Boom base of the boom (H2)	×1
Length (L)	10.9m
Width (W)	3.0m
Height (H)	3.2m
Weight (with auxiliary luffing hoist)	19.2t

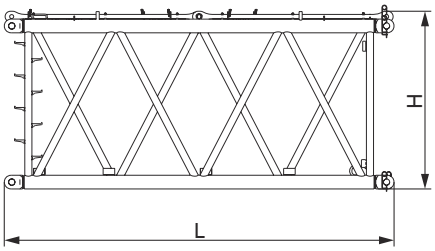


12m transition boom (H4)	×1
Length (L)	12.24m
Width (W)	2.99m
Height (H)	2.9m
Weight	8.4t

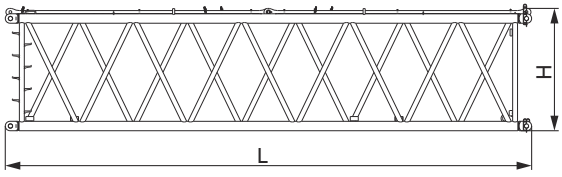
Transport Dimension



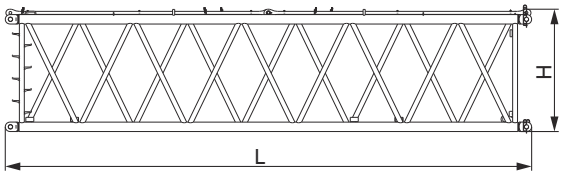
3m boom insert (H3)	×1
Length (L)	3.24m
Width (W)	2.99m
Height (H)	2.84m
Weight	2.68t



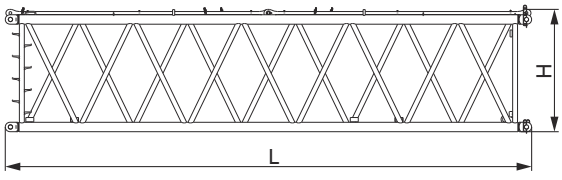
6m boom insert (H6)	×2
Length (L)	6.24m
Width (W)	2.99m
Height (H)	2.84m
Weight	4.7t



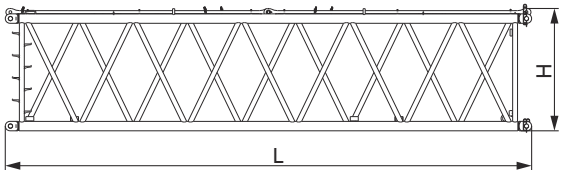
12m boom insert (H8B)	×2
Length (L)	12.2m
Width (W)	2.99m
Height (H)	2.84m
Weight	8.5t



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

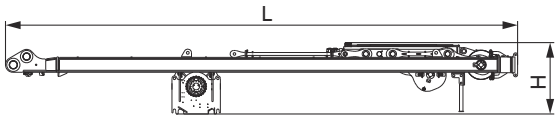


12m boom insert (H8D)	×2
Length (L)	12.2m
Width (W)	2.99m
Height (H)	2.84m
Weight	6.8t

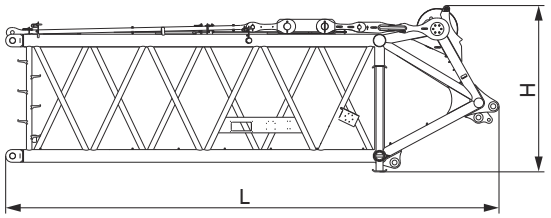


12m boom insert (H8E)	×1
Length (L)	12.2m
Width (W)	2.99m
Height (H)	2.84m
Weight (with auxiliary luffing hoist)	6.8t

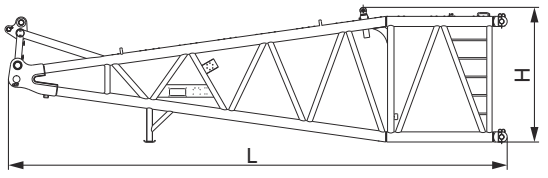
Transport Dimension



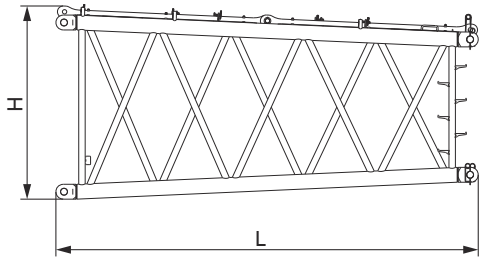
Boom luffing mast	×1
Length (L)	12.4m
Width (W)	2.41m
Height (H)	1.72m
Weight (including boom hoist winch)	20.4t



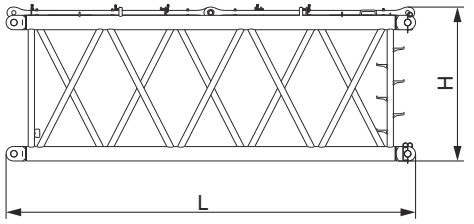
Luffing jib top (LJ1)	×1
Length (L)	8.55m
Width (W)	2.57m
Height (H)	2.88m
Weight	6.5t



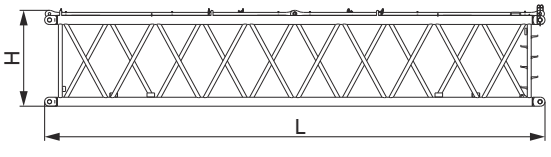
Luffing jib base (LJ2)	×1
Length (L)	10.8m
Width (W)	2.99m
Height (H)	2.91m
Weight	8t



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

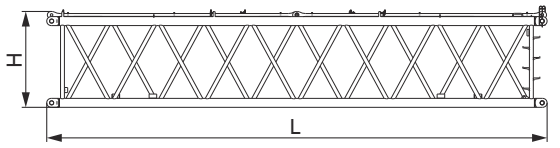


6m luffing jib insert (LJ6)	×2
Length (L)	6.2m
Width (W)	2.64m
Height (H)	2.34m
Weight	3.1t

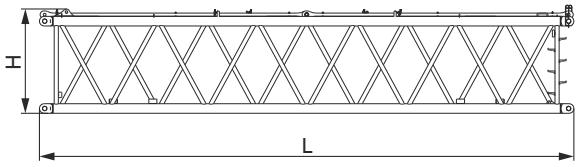


12m luffing jib insert (LJ8A)	×1
Length (L)	12.2m
Width (W)	2.64m
Height (H)	2.34m
Weight (with auxiliary luffing hoist)	5.3t

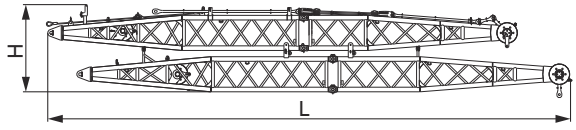
Transport Dimension



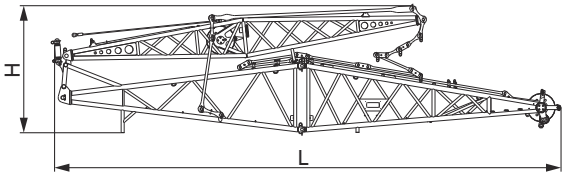
12m luffing jib insert (LJ8B)	×2
Length (L)	12.2m
Width (W)	2.64m
Height (H)	2.34m
Weight	5t



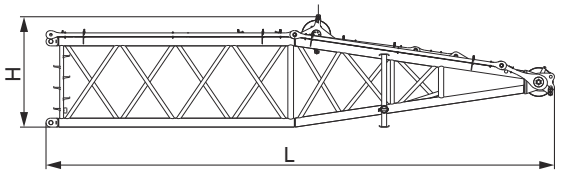
12m luffing jib insert (LJ8C)	×1
Length (L)	12.2m
Width (W)	2.64m
Height (H)	2.39m
Weight	5t



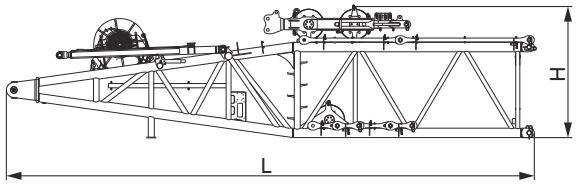
Front and rear masts of luffing jib	×1
Length (L)	18m
Width (W)	2.54m
Height (H)	3.00m
Weight	15.4t



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

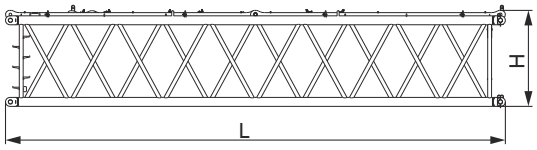


Superlift mast top (D1)	×1
Length (L)	12.51m
Width (W)	2.99m
Height (H)	2.72m
Weight	10.6t

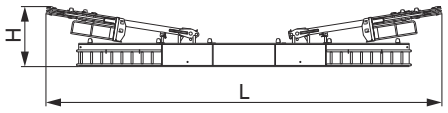


Superlift mast base (D2)	×1
Length (L)	12.3m
Width (W)	2.99m
Height (H)	3.05m
Weight (with hoist)	20.5t

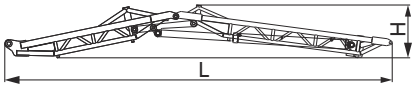
Transport Dimension



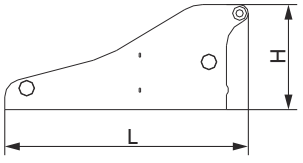
12m superlift mast insert (D3)	×1
Length (L)	12.2m
Width (W)	2.57m
Height (H)	2.35m
Weight	7.6t



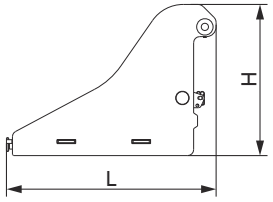
Superlift counterweight frame	×1
Length (L)	10.18m
Width (W)	2.5m
Height (H)	1.55m
Weight	10.7t



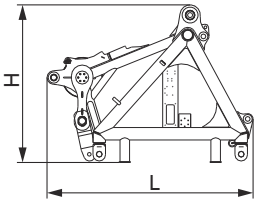
Superlift counterweight strut	×1
Length (L)	13.3m
Width (W)	3.0m
Height (H)	1.81m
Weight	9.6t



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

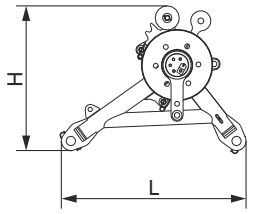


Rear counterweight tray	×2
Length (L)	2.8m
Width (W)	2.93m
Height (H)	2.02m
Weight	6.2t

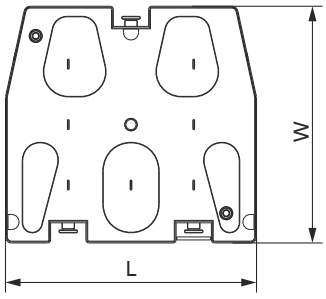


Connection tip	×1
Length (L)	3.63m
Width (W)	2.99m
Height (H)	2.77m
Weight(with auxiliary luffing hoist)	6.1t

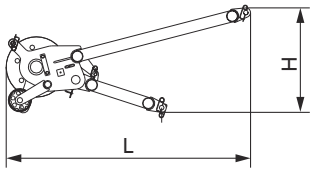
Transport Dimension



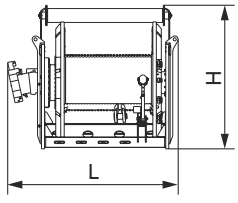
Sheave block	×2
Length (L)	1.84m
Width (W)	1.67m
Height (H)	1.44m
Weight	2.3t



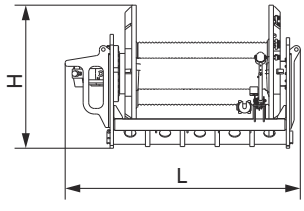
10t Counterweight block	×56
Length (L)	2.49m
Width (W)	2.35m
Height (H)	0.555m
Weight	10t



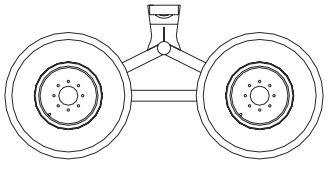
Extension jib (HT)	×1
Length (L)	2.6m
Width (W)	1.07m
Height (H)	1.11m
Weight	0.45t



Jib hoist winch	×1
Length (L)	1.71m
Width (W)	1.5m
Height (H)	1.44m
Weight	6.3t

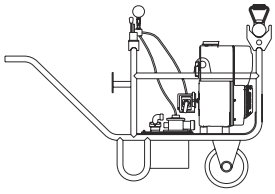


Main load hoist winch	×2
Length (L)	2.09m
Width (W)	1.34m
Height (H)	1.27m
Weight	7.1t

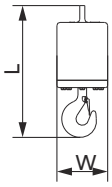


Trolley	×1
Length (L)	3.3m
Width (W)	2.0m
Height (H)	1.61m
Weight (with auxiliary luffing hoist)	1.9t

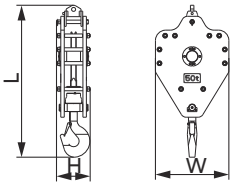
Transport Dimension



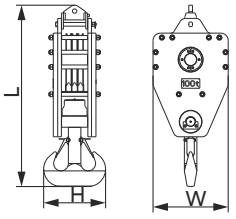
Portable power pack	×1
Length (L)	1.55m
Width (W)	0.7m
Height (H)	1.09m
Weight	0.2t



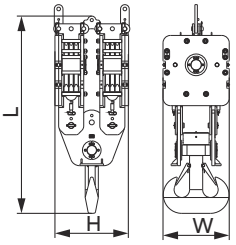
18T ball hook	×1
Length (L)	1.3m
Width (W)	0.5m
Height (H)	0.5m
Weight	1t



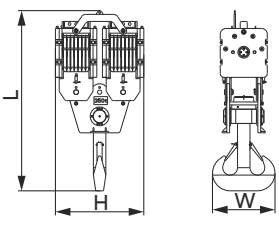
50T hook	×1
Length (L)	2.2m
Width (W)	1.06m
Height (H)	0.5m
Weight	1.42t



100T hook	×1
Length (L)	2.5m
Width (W)	1.03m
Height (H)	0.85m
Weight	3.12t

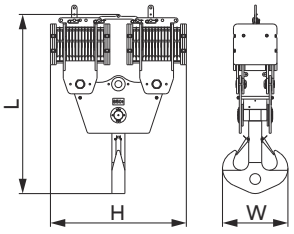


180T hook	×1
Length (L)	3.2m
Width (W)	1.07m
Height (H)	1.19m
Weight	6.28t

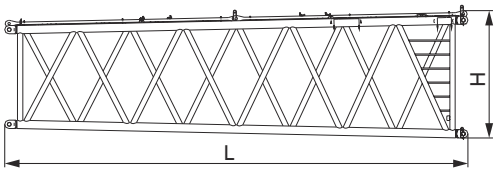


350T hook	×1
Length (L)	3.84m
Width (W)	1.33m
Height (H)	1.88m
Weight	10.48t

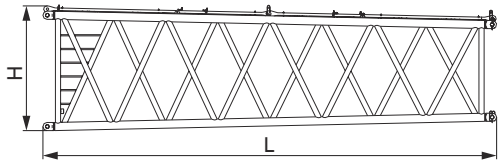
Transport Dimension



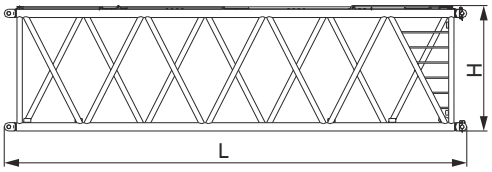
650t hook	×1
Length (L)	4.61m
Width (W)	1.68m
Height (H)	3.5m
Weight	20.2t



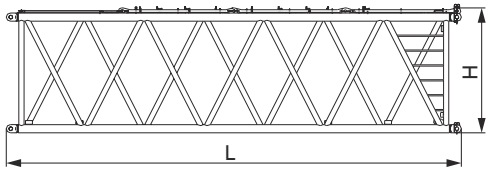
12m lower transition section (ZH4A)	×1
Length (L)	12.2m
Width (W)	3.56m
Height (H)	3.36m
Weight (with auxiliary luffing hoist)	10.8t



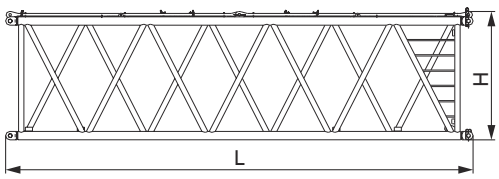
12m upper transition section (ZH4B)	×1
Length (L)	12.2m
Width (W)	3.56m
Height (H)	3.36m
Weight	8.74t



12m insert of power boom A (ZH8A)	×3
Length (L)	12.2m
Width (W)	3.56m
Height (H)	3.36m
Weight	8.86t



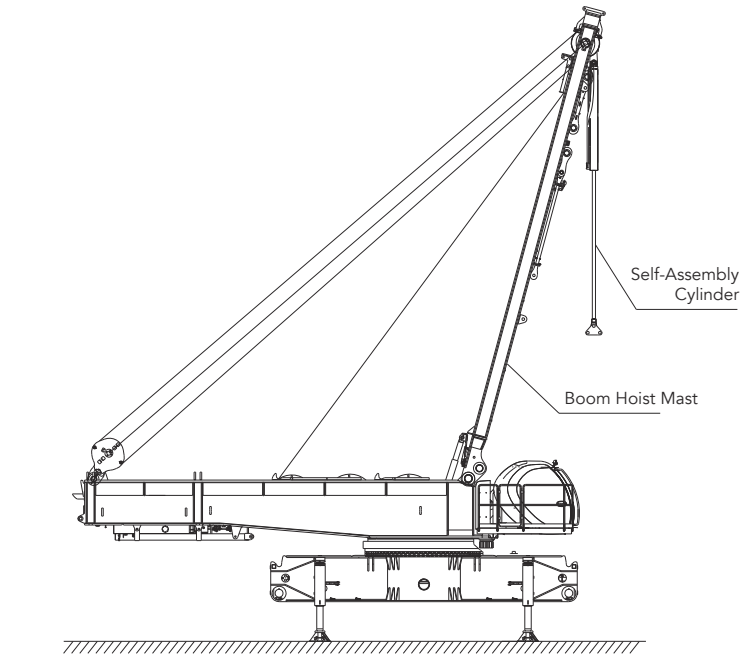
12m insert of power boom B (ZH8B)	×1
Length (L)	12.2m
Width (W)	3.56m
Height (H)	3.36m
Weight	7.83t

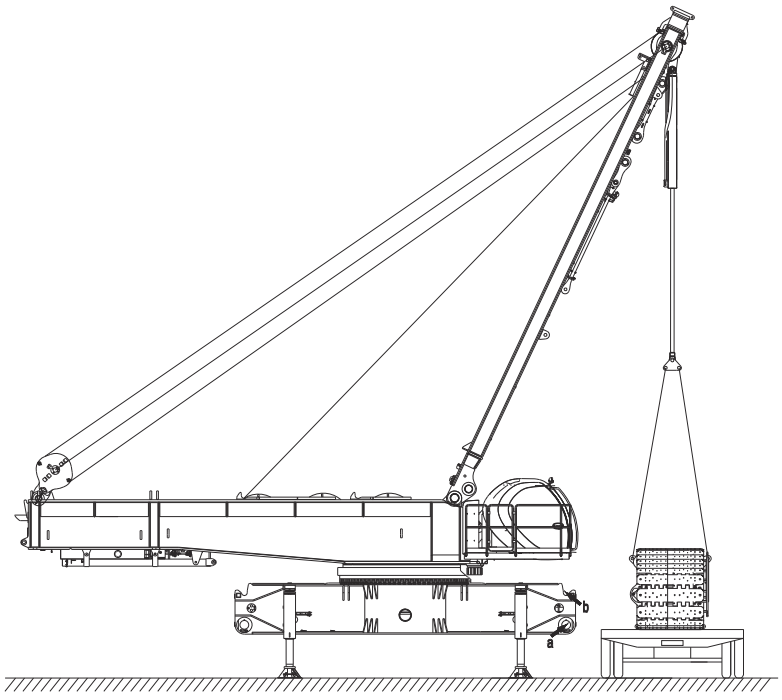


12m insert of power boom C (ZH8C)	×1
Length (L)	12.2m
Width (W)	3.56m
Height (H)	3.36m
Weight	8.75t

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

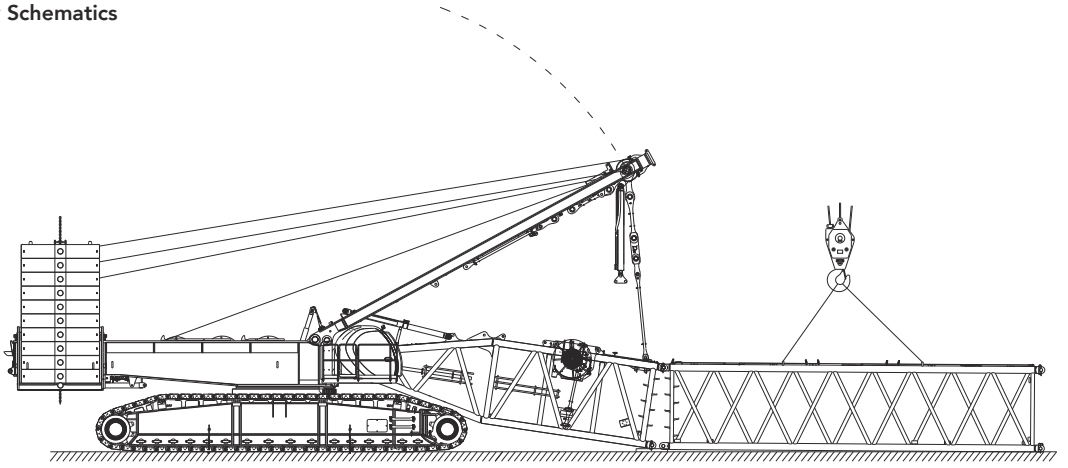
Self-Assembly and Disassembly plan

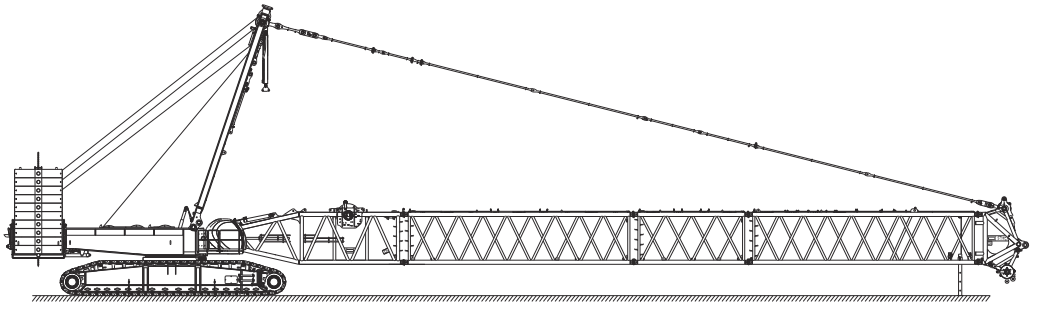




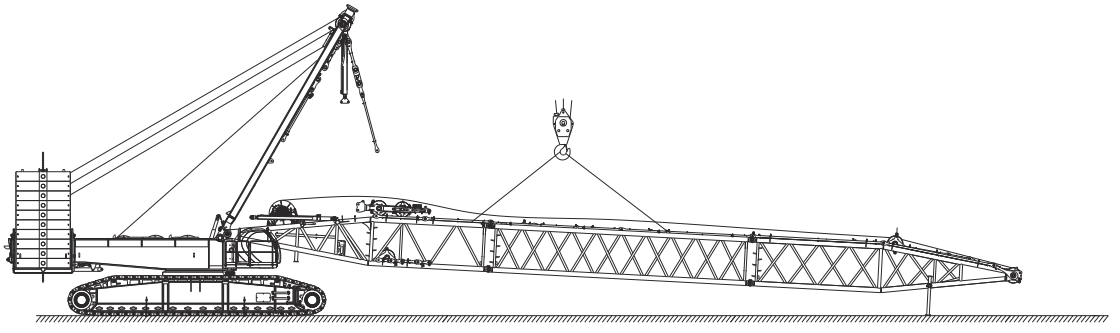
Assembly Schematics

1） Assembly Schematics

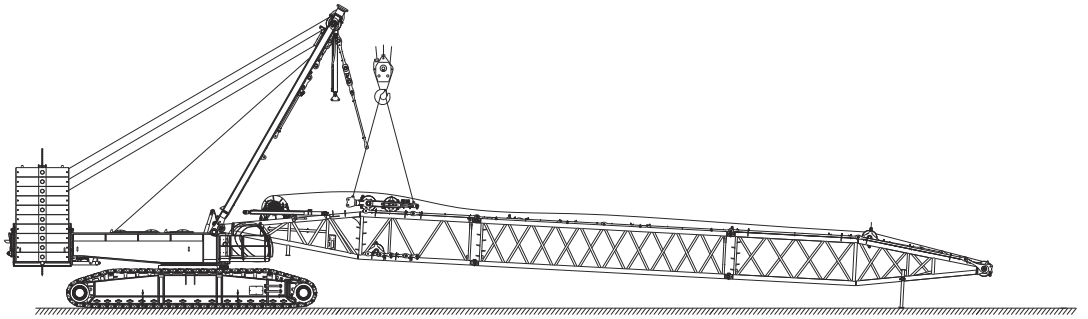


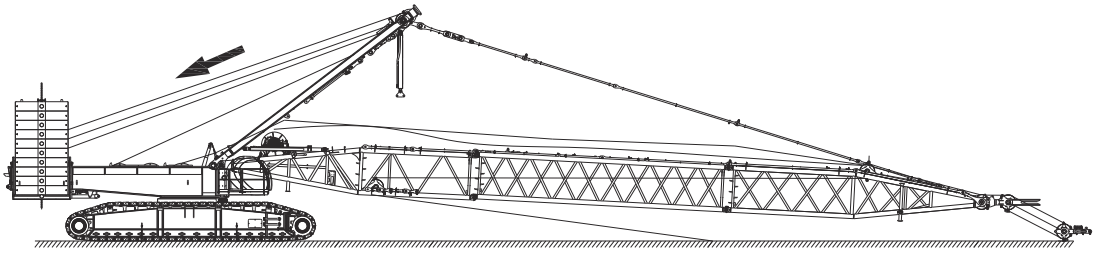


2） Superlift Mast Assembly

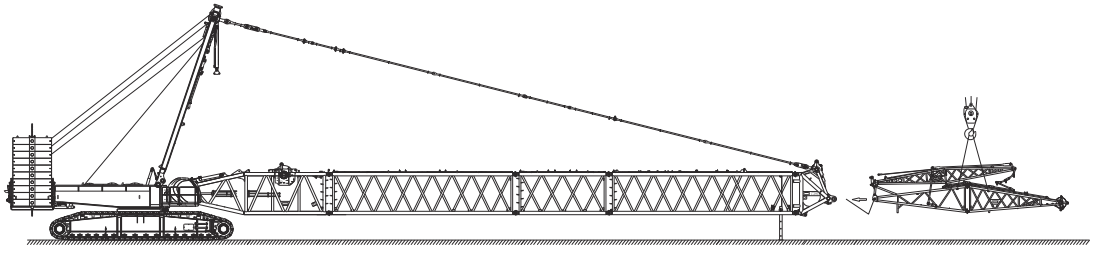


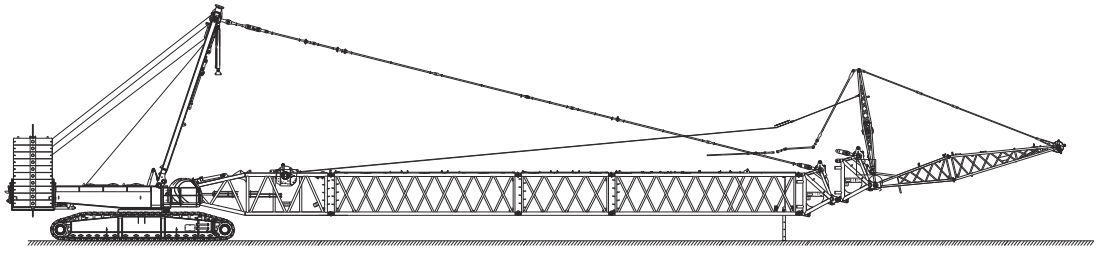
Assembly Schematics



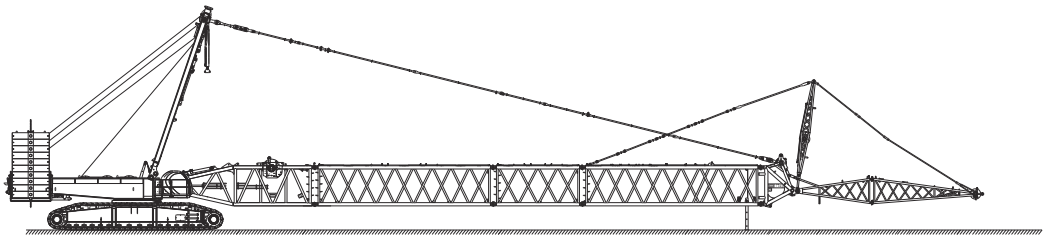


3） Fixed jib assembly schematics

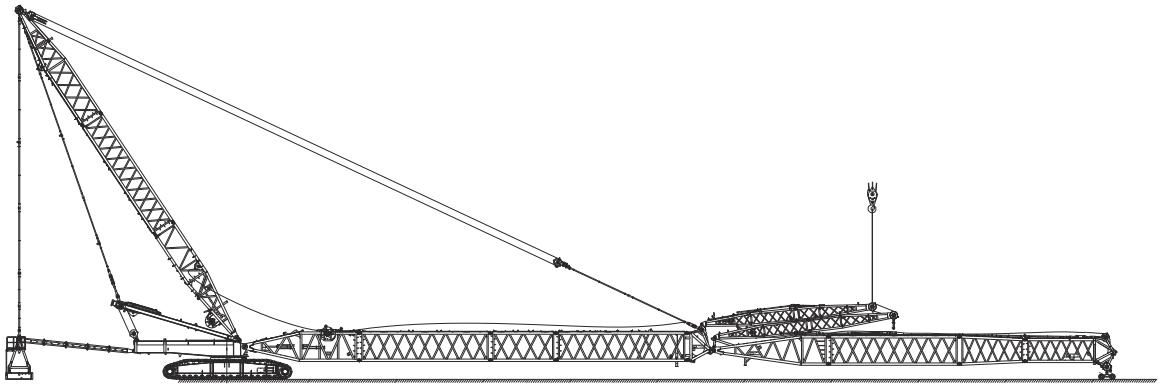


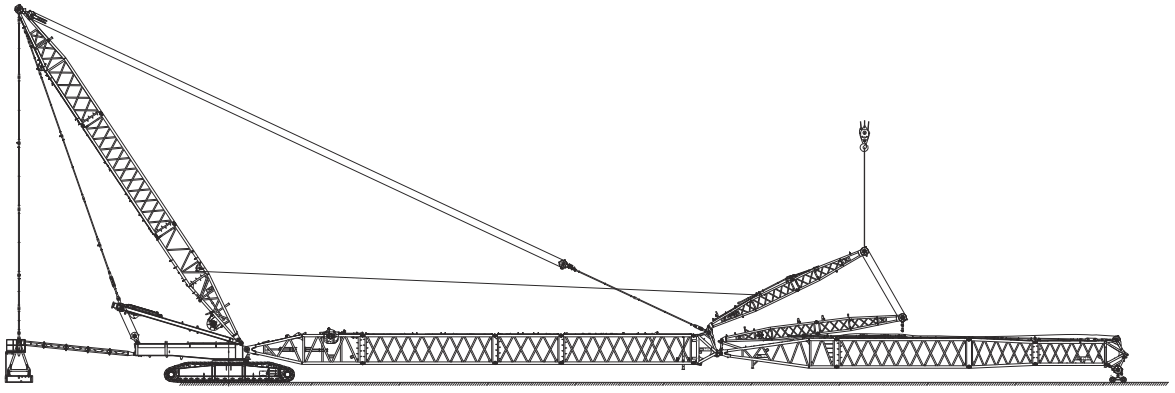


Assembly Schematics

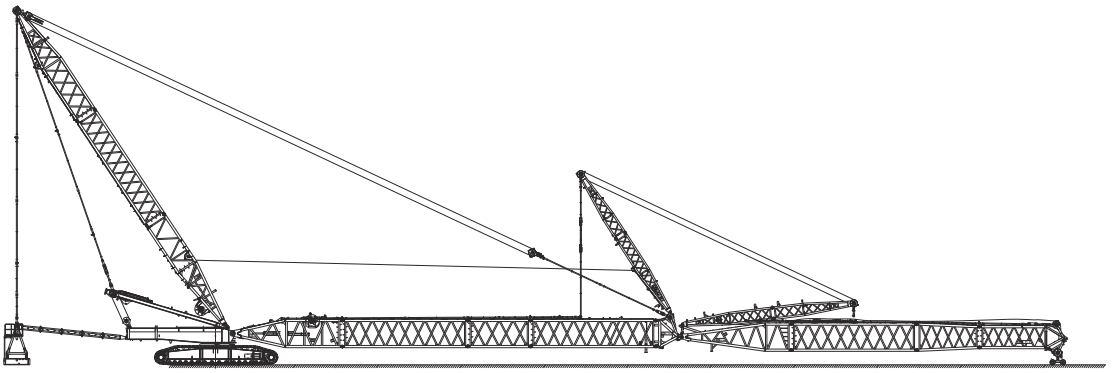


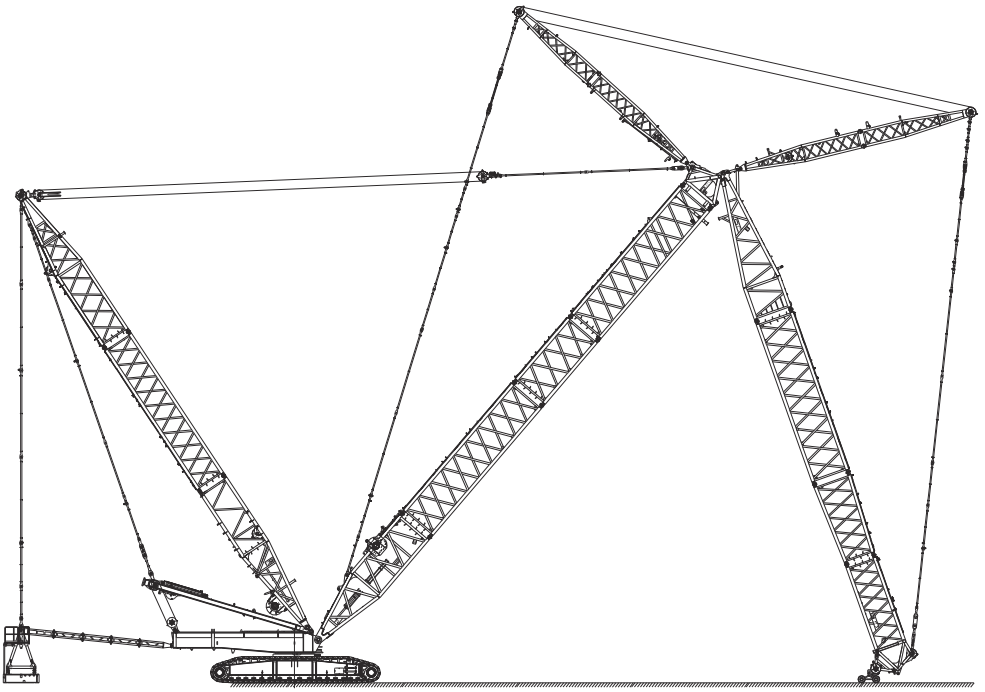
4）Luffing jib assembly schematics





Assembly Schematics





C

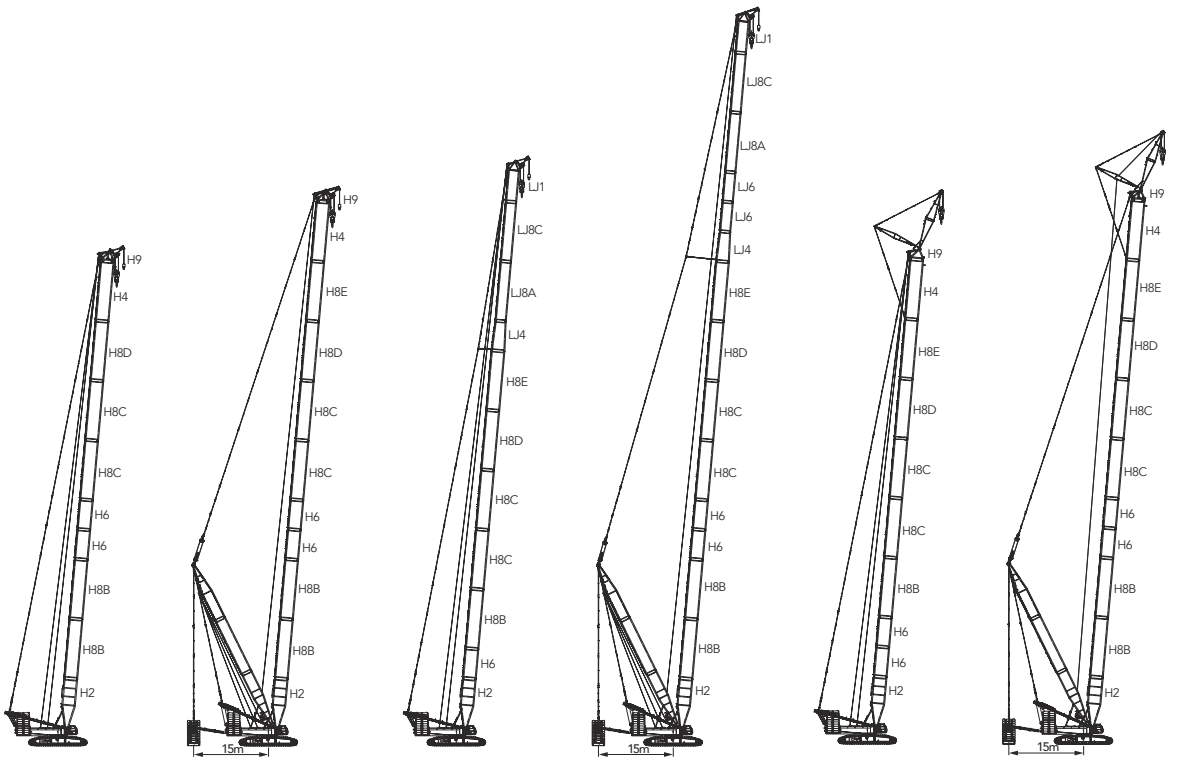
SCC6500A
SANY CRAWLER CRANE
650 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Cofigurations

- Page 30 H Configuration
- Page 33 HDB Configuration
- Page 39 HJ Configuration
- Page 42 HJDB Configuration
- Page 48 HJDB_4 Configuration
- Page 50 HJDB_5 Configuration
- Page 52 HJDB_7 Configuration
- Page 65 FJ Configuration
- Page 70 FJDB Configuration
- Page 75 HJFJ_1Configuration
- Page 80 HJFJ Configuration
- Page 85 HJFJDB Configuration
- Page 90 HJFJDB_4 Configuration
- Page 92 HJFJDB_5 Configuration
- Page 94 HJFJDB_7 Configuration
- Page 123 LJ Configuration
- Page 132 LJDB Configuration

Combination



H
(24~96m)

HDB
(36~108m)

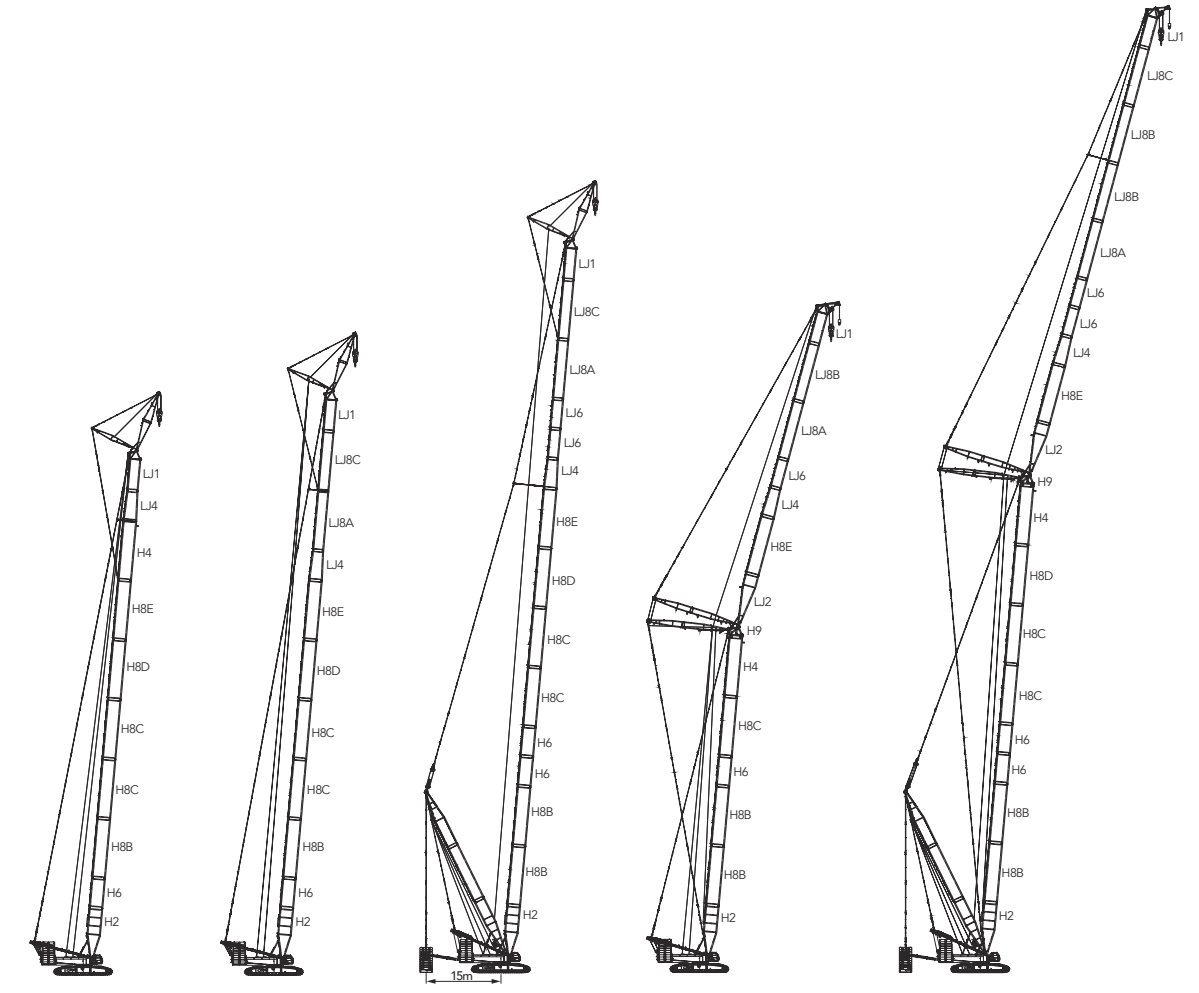
HJ
(84~114m)

HJDB
(90~144m)

FJ
(66~96m+12m)

FJDB
(42~108m+12m)

Combination



HJFJ_1
(84~102m+12m)

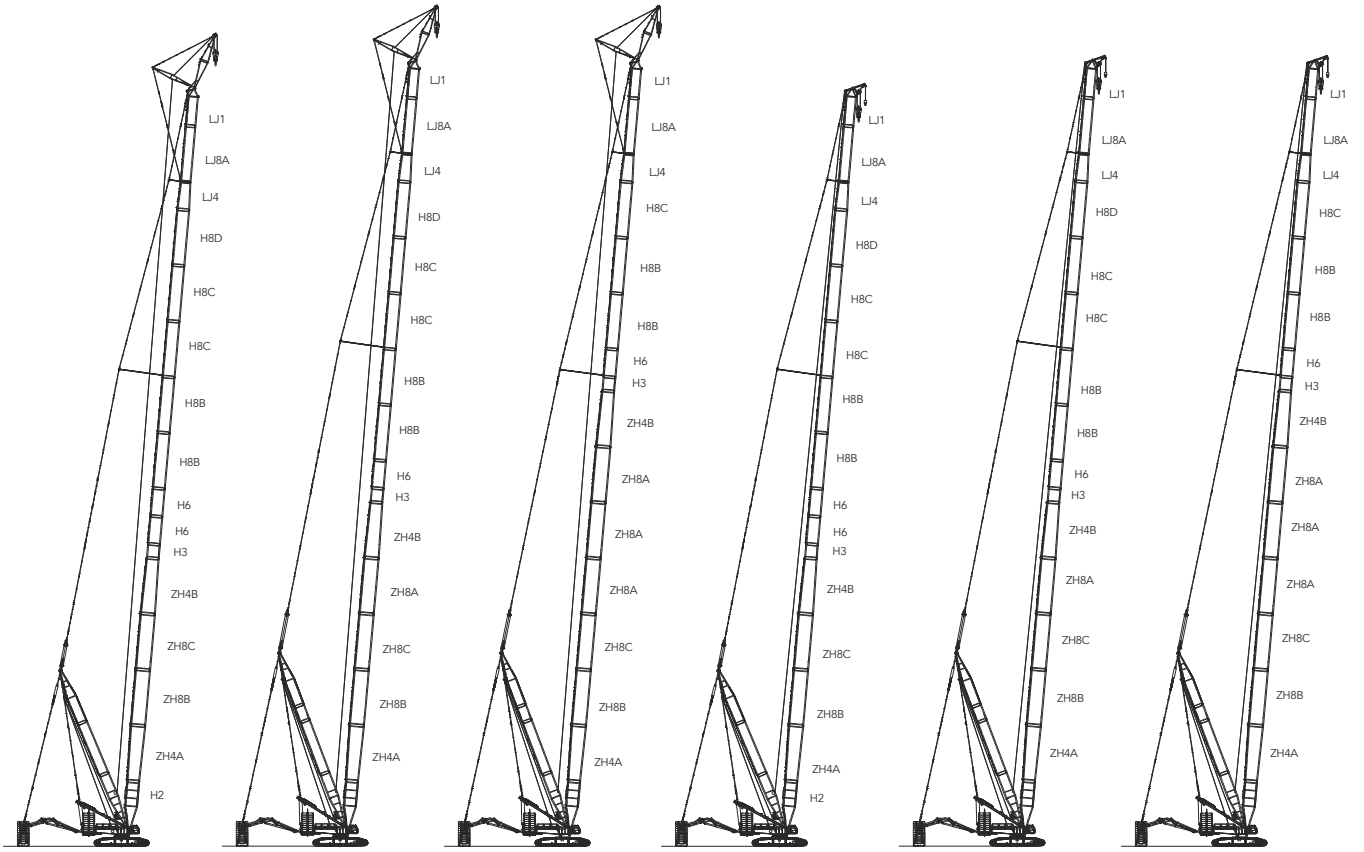
HJFJ
(84~114m+12m)

HJFJDB
(114~144m+12m)

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

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

Combination

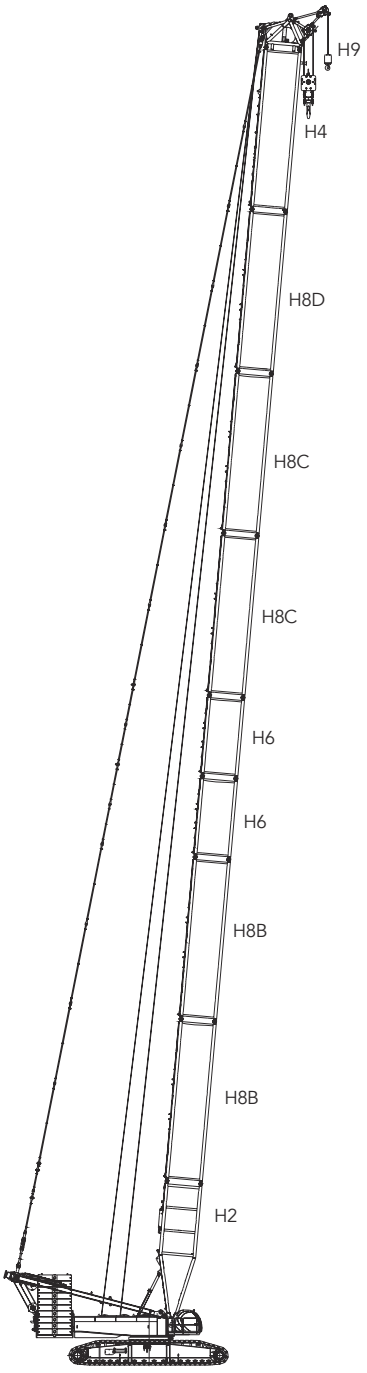


HJFJDB_4 (114~159m+12m) | **HJFJDB_5 (114~165m+12m)** | **HJFJDB_7 (114~165m+12m)** | **HJDB_4 (114~159m)** | **HJDB_5 (102~165m)** | **HJDB_7 (120~165m)**

H Boom Combination

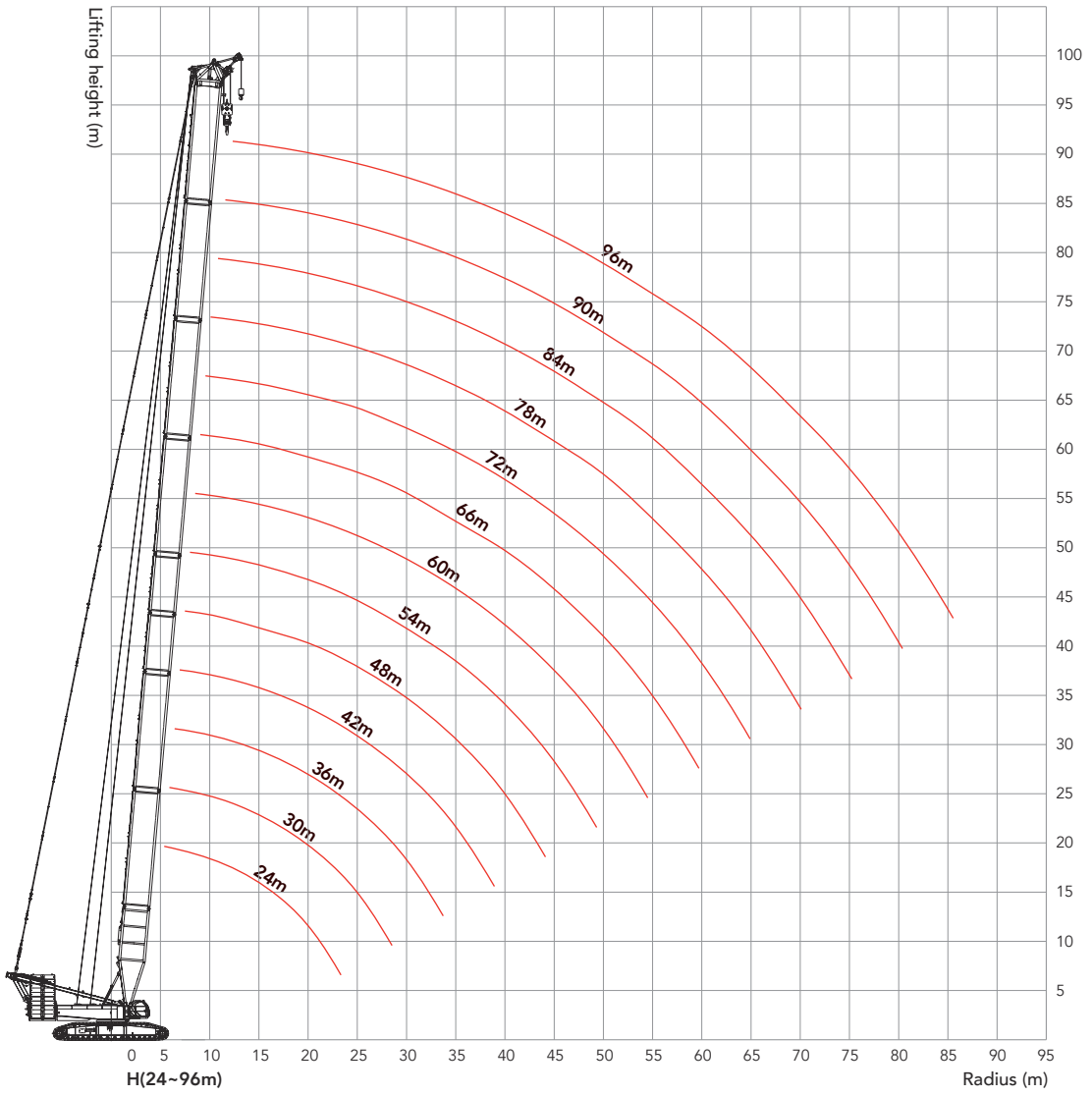
H Boom Combination		
Boom length (m)	Insert	
	6m	12m
24	-	-
30	1	-
36	2	-
42	1	1
48	2	1
54	1	2
60	2	2
66	1	3
72	2	3
78	1	4
84	2	4
90	1	5
96	2	5

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



H(24~96m)

H Work Radius



Unit: t

Load Chart of H Configuration

All load charts are calculated based on the following notes:
1. The rated capacity listed in the load charts are in compliance with EN13000.
2. The maximum allowable wind speed for the rated load is 9.8m/s.
3. The rated capacity listed in all load charts includes the weight of hook, wire rope and other riggings, therefore, the actual rated capacity shall deduct the weight of these components.
4. The rated load of the main hook with extension jib equals to the value in the load table deducting 1t as the equivalent weight of extension jib.

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

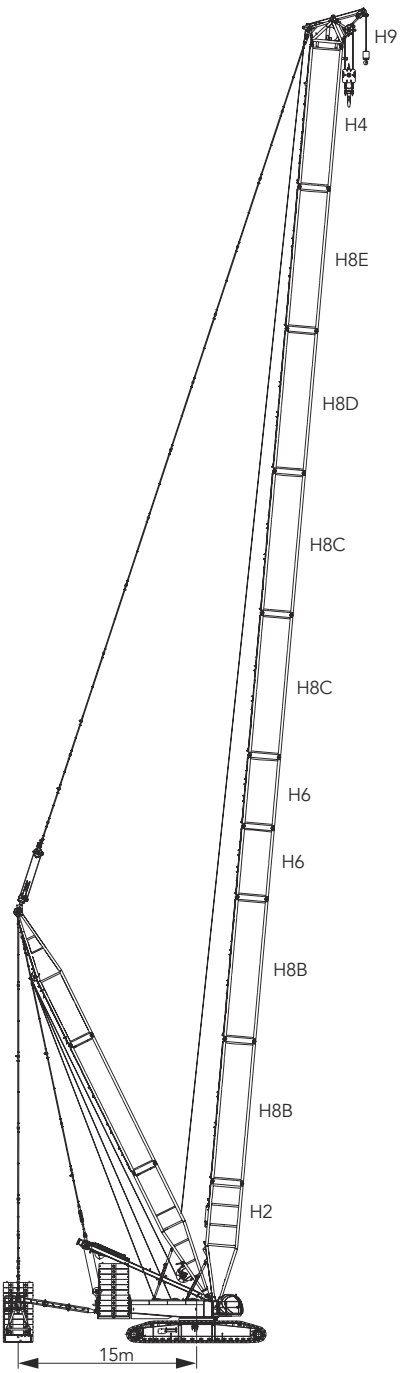
The boom length ranges 24m ~ 96m, the rear counterweight is 210t, the carbody counterweight is 60t

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

HDB Boom Combination

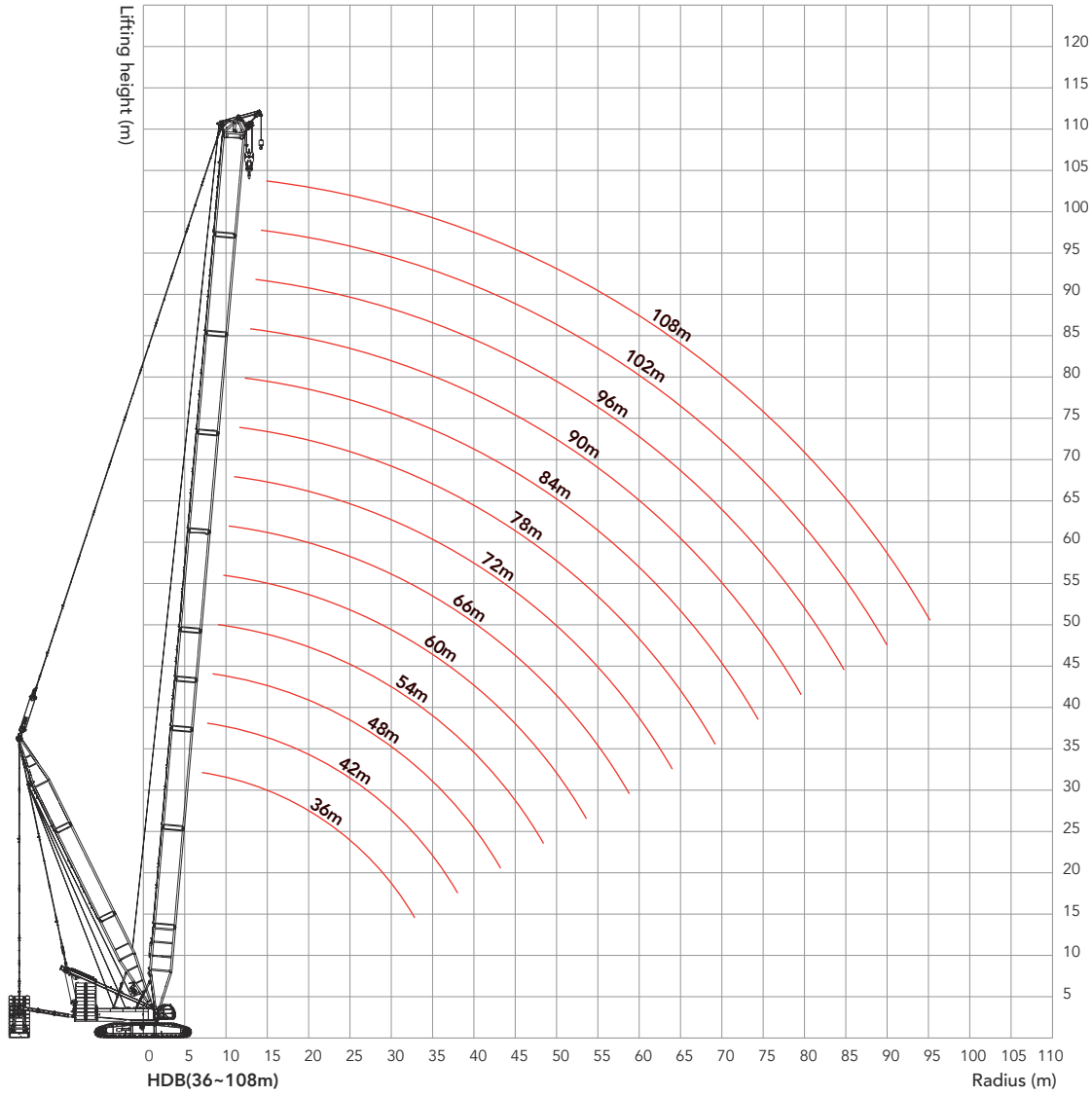
HDB Boom Combination		
Boom length (m)	Insert	
	6m	12m
36	2	-
42	1	1
48	2	1
54	1	2
60	2	2
66	1	3
72	2	3
78	1	4
84	2	4
90	1	5
96	2	5
102	1	6
108	2	6

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



HDB(36~108m)

HDB Work Radius



Unit: t

Load Chart of HDB Configuration

SCC6500A Crawler Crane - Load Chart of HDB Configuration 1/4

The boom length ranges 36~108m, the superlift radius is 19m, the superlift counterweight is 0~310t, the rear counterweight is 210t, the carbody counterweight is 60t

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

Unit: t

Load Chart of HDB Configuration

SCC6500A Crawler Crane - Load Chart of HDB Configuration 2/4

The boom length ranges 36 ~ 108m, the superlift radius is 17m, the superlift counterweight is 0~310t, the rear counterweight is 210t, the carbody counterweight is 60t

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

Unit: t

Load Chart of HDB Configuration

SCC6500A Crawler Crane - Load Chart of HDB Configuration 3/4

The boom length ranges 36 ~ 108m, the superlift radius is 15m, the superlift counterweight is 0~310t, the rear counterweight is 210t, the carbody counterweight is 60t

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

Unit: t

Load Chart of HDB Configuration

SCC6500A Crawler Crane - Load Chart of HDB Configuration 4/4

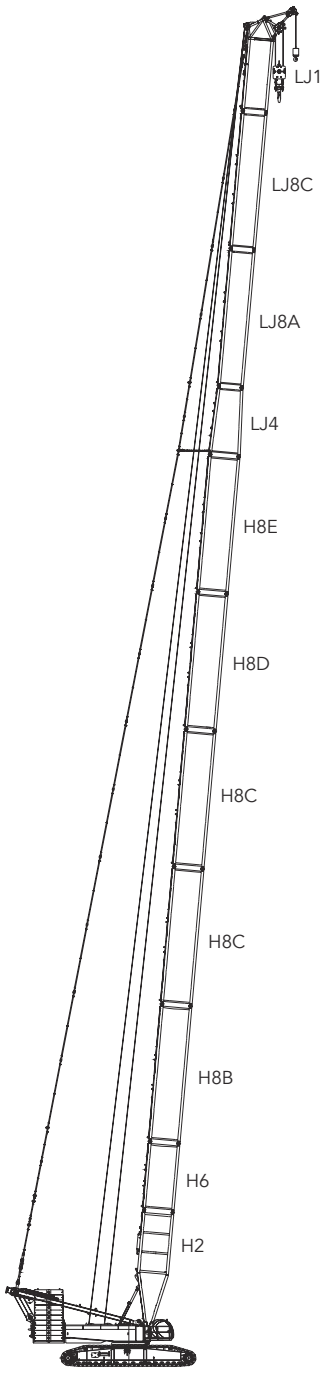
The boom length ranges 36 ~ 108m, the superlift radius is 13m, the superlift counterweight is 0~310t, the rear counterweight is 210t, the carbody counterweight is 60t

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

HJ Boom Combination

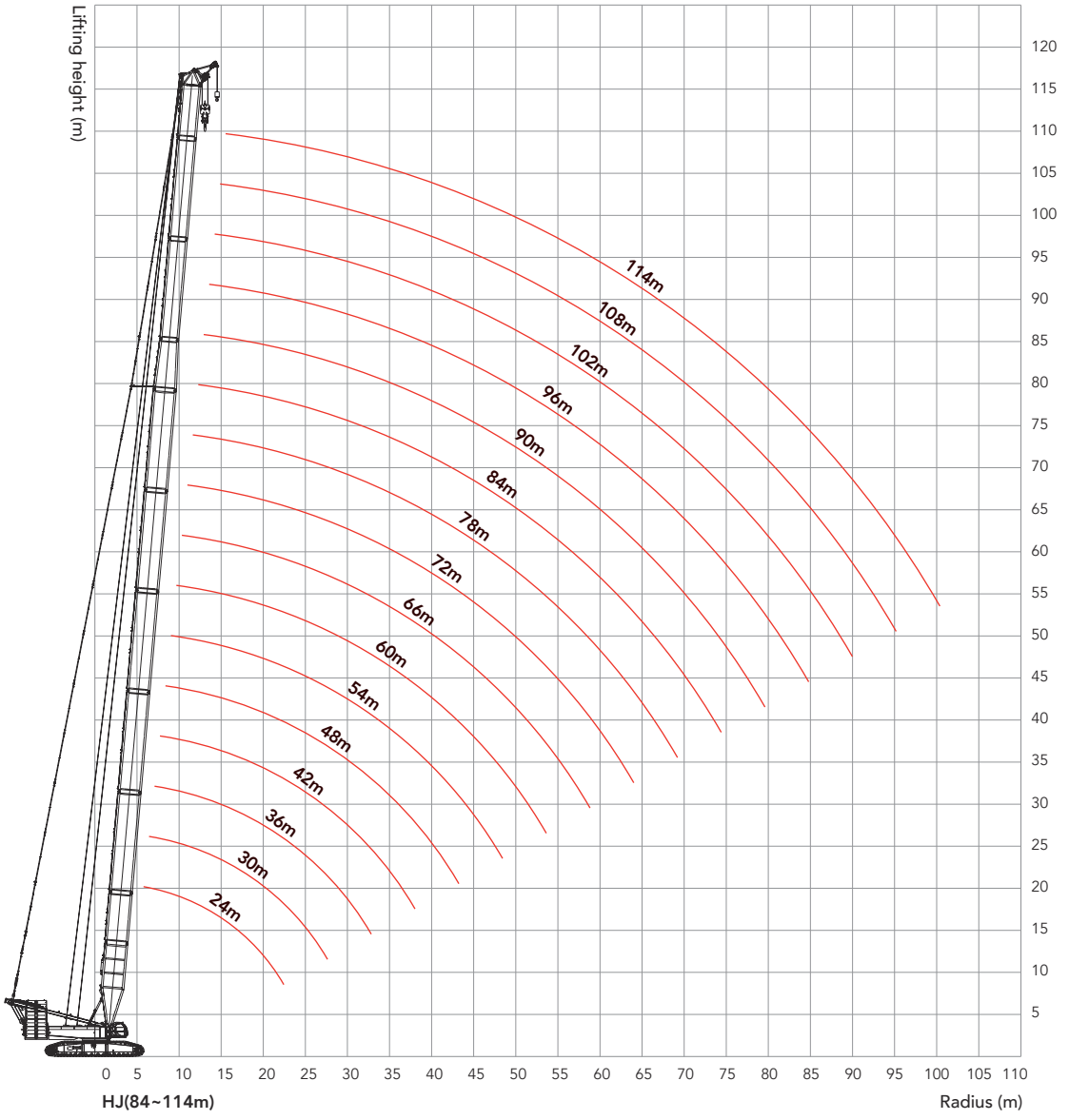
HJ Boom Combination			
Boom length (m)	Boom insert		Jib insert
	6m	12m	12m
84	-	4	1
90*	1	4	1
96*	-	4	2
102*	1	4	2
108*	-	5	2
114*	1	5	2

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



HJ(84~114m)

HJ Work Radius



Unit: t

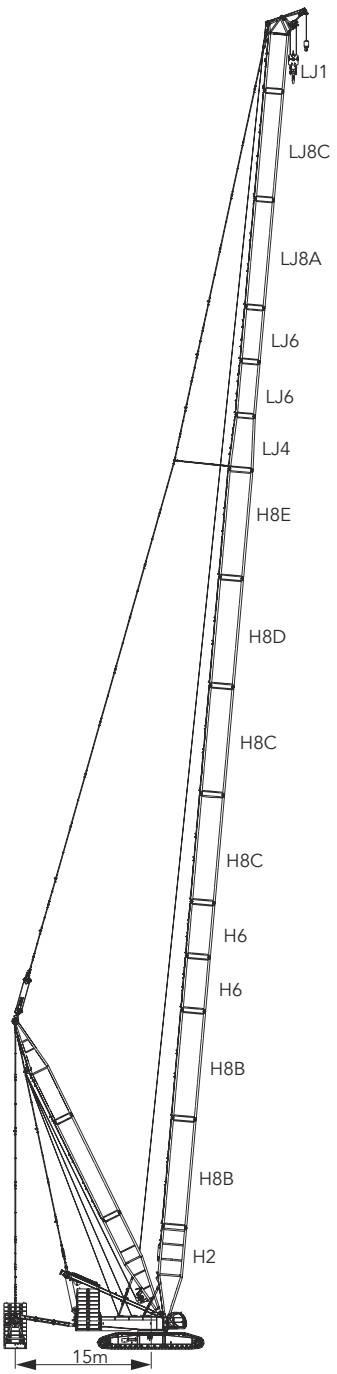
Load Chart of HJ Configuration

SCC6500A Crawler Crane - Load Chart of HJ Configuration 1/1							
The boom length ranges 84m ~ 114m, the rear counterweight is 210t, the carbody counterweight is 60t							
Radius (m)	84	90	96	102	108	114	Radius (m)
11	232	221					11
12	215	205	191	175			12
14	187	179	173	166	145	133	14
16	165	159	154	148	139	128	16
18	147	142	138	132	128	122	18
20	132	127	124	119	115	110	20
22	120	115	113	108	104	100	22
24	109	105	103	98.7	95.3	91.3	24
26	100	96.3	94.1	90.4	87.2	83.6	26
28	92.2	88.6	86.6	83.1	80.2	76.7	28
30	85.1	81.7	79.9	76.6	73.9	70.6	30
32	78.9	75.6	74	70.9	68.3	65.1	32
34	73.3	70.2	68.7	65.7	63.3	60.2	34
36	68.3	65.3	63.9	61.1	58.7	55.8	36
38	63.7	60.9	59.6	56.8	54.6	51.8	38
40	59.6	56.8	55.7	53	50.8	48.1	40
44	52.4	49.8	48.8	46.2	44.2	41.6	44
48	45.9	43.8	42.9	40.5	38.5	36	48
52	40.1	38.6	37.9	35.5	33.7	29.5	52
56	35.2	33.7	33.5	31.2	29.5	24.3	56
60	31	29.5	29.4	27.4	24.5	19.3	60
64	27.3	25.8	25.8	24.1	20.1	15.1	64
68	24.1	22.6	22.6	19.9	15.9	11.5	68
72	21.2	19.7	19.7	16.1	12.1	7.9	72
76		17.2	17.2	12.8	9		76
80		14.9	14.2	9.5	6.3		80
84			11.2	7			84

HJDB Boom Combination

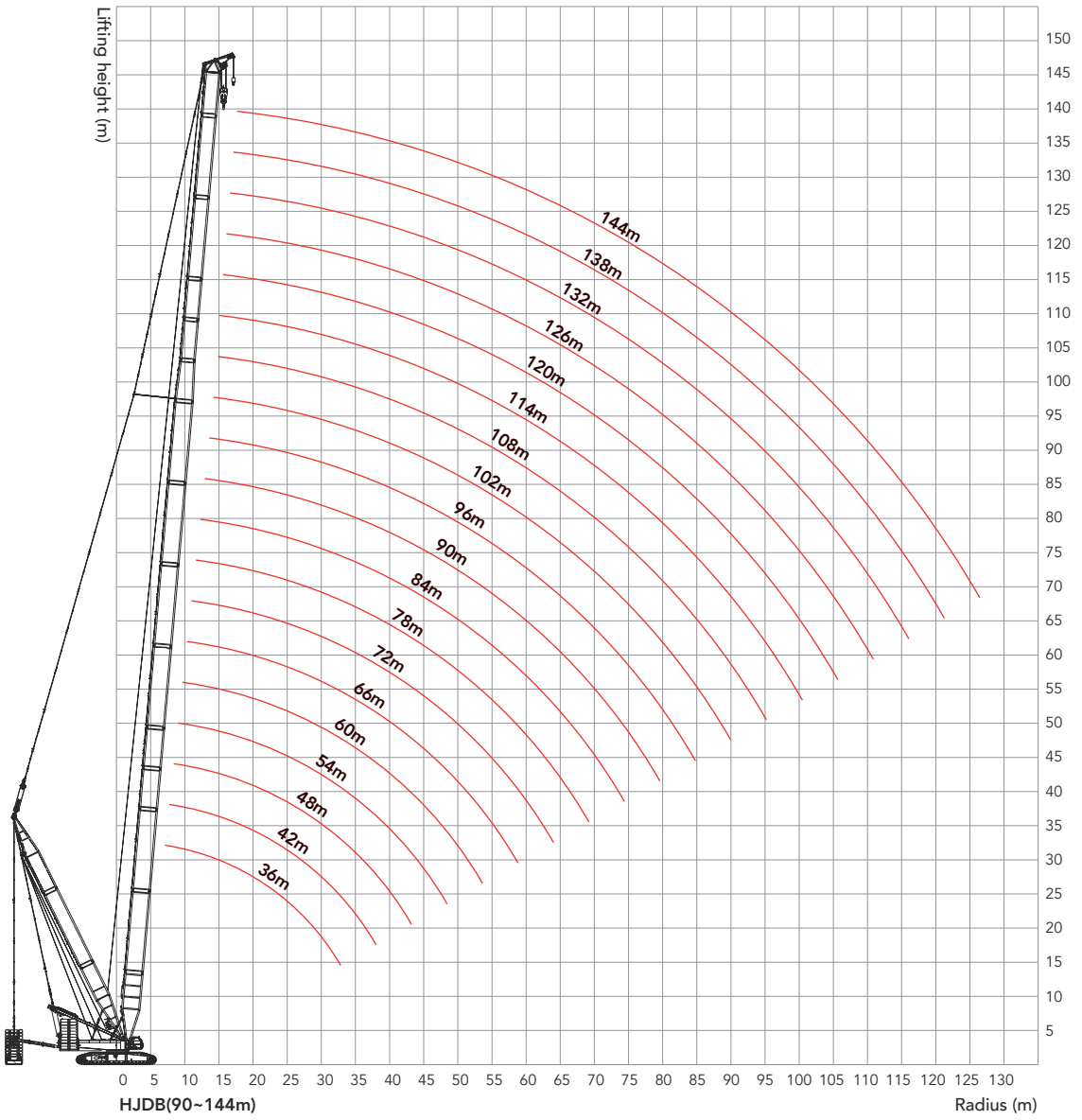
HJDB Boom Combination				
Boom length (m)	Boom insert		Jib insert	
	6m	12m	6m	12m
90*	1	3	—	2
96*	2	3	—	2
102*	1	4	—	2
108*	2	4	—	2
114*	1	5	—	2
120*	2	5	—	2
126*	1	6	—	2
132*	2	6	—	2
138*	2	6	1	2
144*	2	6	2	2

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



HJDB(90~144m)

HJDB Work Radius



Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 1/4

The boom length ranges 90 ~ 144m, the superlift radius is 19m, the superlift counterweight is 0~310t, the rear counterweight is 210t, the center counterweight is 60t

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

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 2/4

The boom length ranges 90 ~ 144m, the superlift radius is 17m, the superlift counterweight is 0~310t, the rear counterweight is 210t, the center counterweight is 60t

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

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 3/4

The boom length ranges 90 ~ 144m, the superlift radius is 15m, the superlift counterweight is 0~310t, the rear counterweight is 210t, the center counterweight is 60t

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

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 4/4

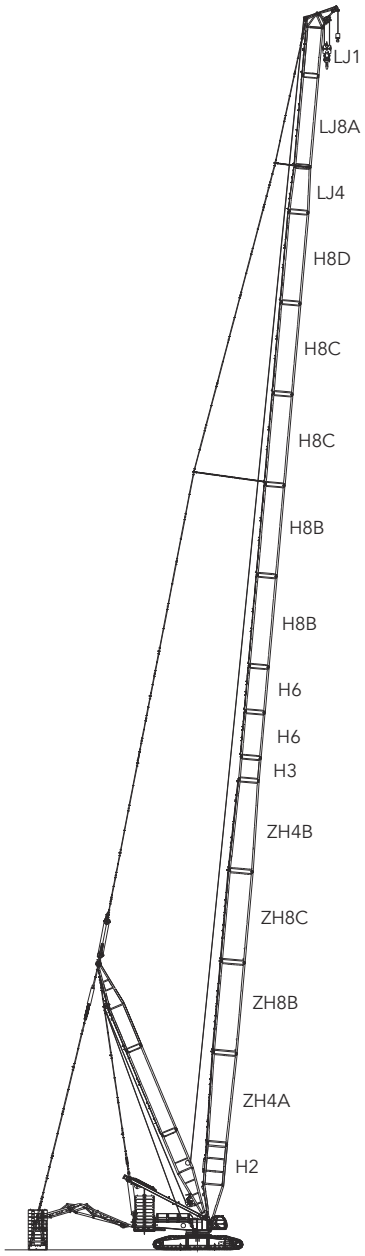
The boom length ranges 90 ~ 144m, the superlift radius is 13m, the superlift counterweight is 0~310t, the rear counterweight is 210t, the center counterweight is 60t

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

HJDB_4 Boom Combination

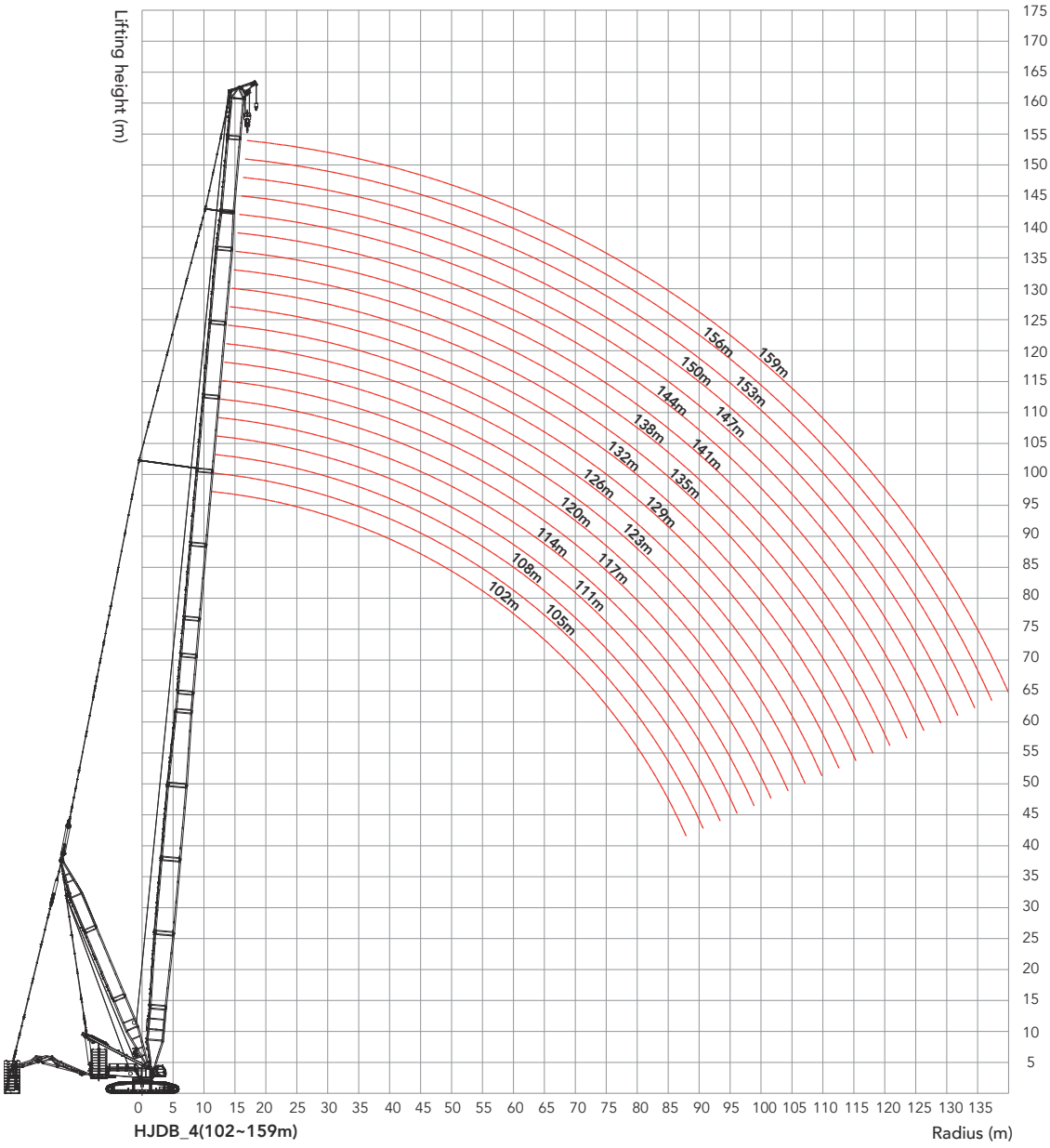
HJDB_4 Boom Combination				
Boom length (m)	Power boom	Boom insert		
	12m	3m	6m	12m
102	3	-	1	2
105	3	1	1	2
108	3	-	2	2
111	3	1	2	2
114	4	-	1	2
117	4	1	1	2
120	4	-	2	2
123	4	1	2	2
126	4	-	1	3
129	4	1	1	3
132	4	-	2	3
135	4	1	2	3
138	4	-	1	4
141	4	1	1	4
144	4	-	2	4
147	4	1	2	4
150	4	-	1	5
153	4	1	1	5
156	4	-	2	5
159	4	1	2	5

Note: the boom base, 6m tapered insert, 12m jib insert and jib top are must. The mid-point suspension cable must be used for all boom length (102m-159m), otherwise, there is danger of boom breaking.



HJDB_4(114~159m)

HJDB_4 Work Radius

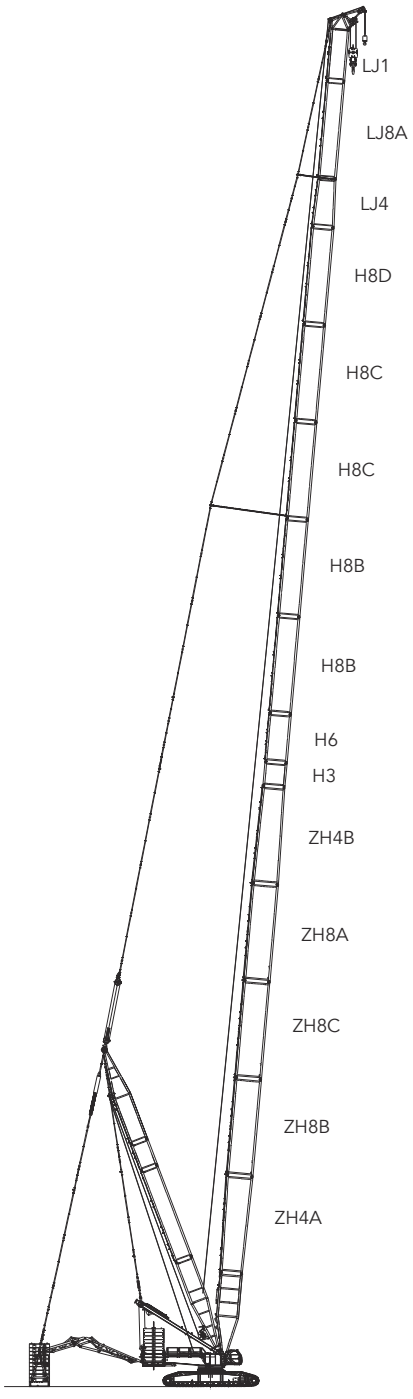


HJDB_4(102~159m)

HJDB_5 Boom Combination

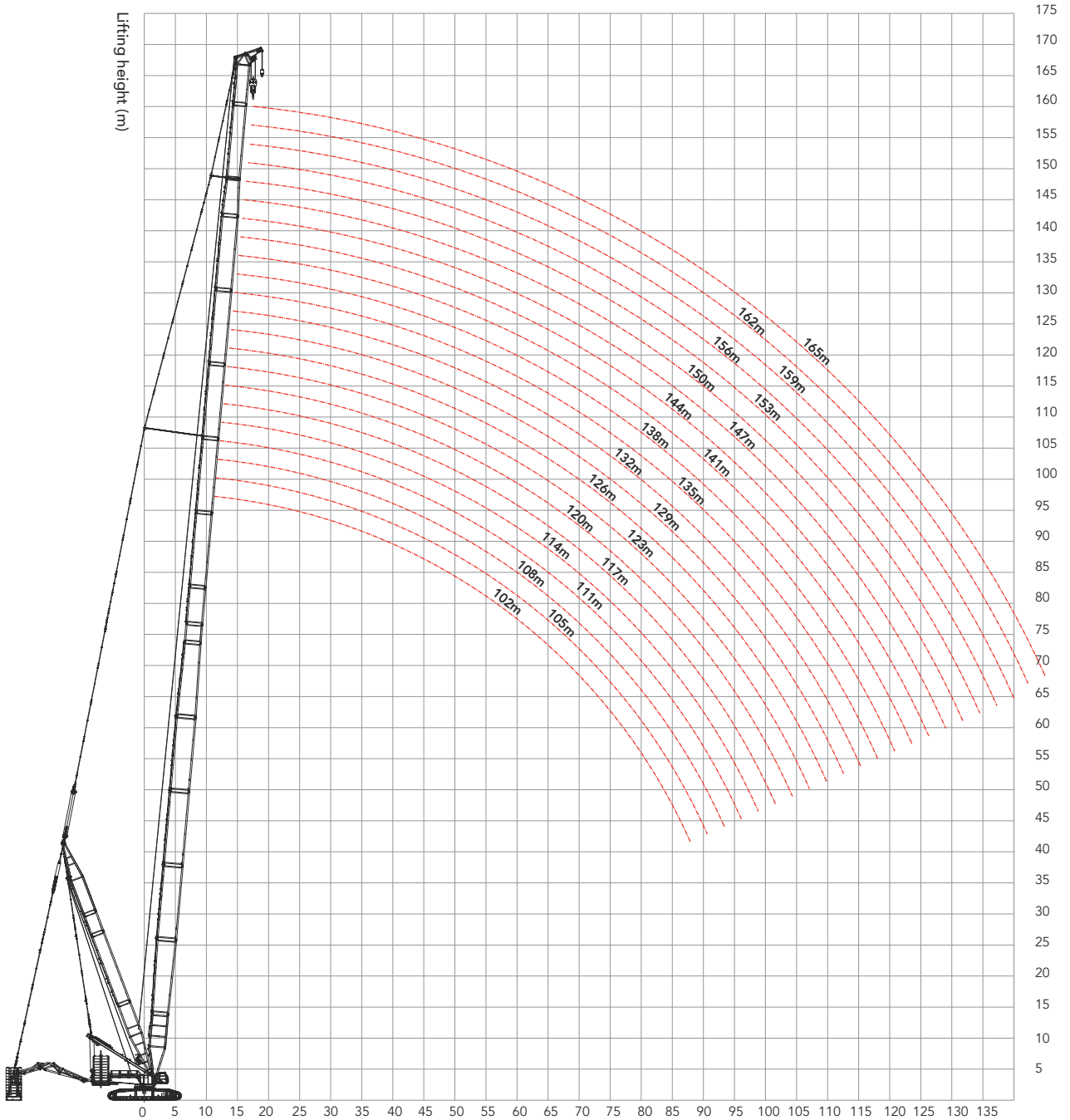
HJDB_5 Boom Combination				
Boom length (m)	Power boom	Boom insert		
	12m	3m	6m	12m
102	4	-	1	1
105	4	1	1	1
108	4	-	-	2
111	4	1	-	2
114	5	-	1	1
117	5	1	1	1
120	5	-	2	1
123	5	1	2	1
126	5	-	1	2
129	5	1	1	2
132	5	-	2	2
135	5	1	2	2
138	5	-	1	3
141	5	1	1	3
144	5	-	2	3
147	5	1	2	3
150	5	-	1	4
153	5	1	1	4
156	5	-	2	4
159	5	1	2	4
162	5	-	1	5
165	5	1	1	5

Notes: The boom base, 6m tapered insert, 12m jib insert and jib top are must. The mid-point suspension cable must be used for boom length from 102m ~165m ; otherwise, there is danger of boom breaking.



HJDB_5 (102~165m)

HJDB_5 Work Radius

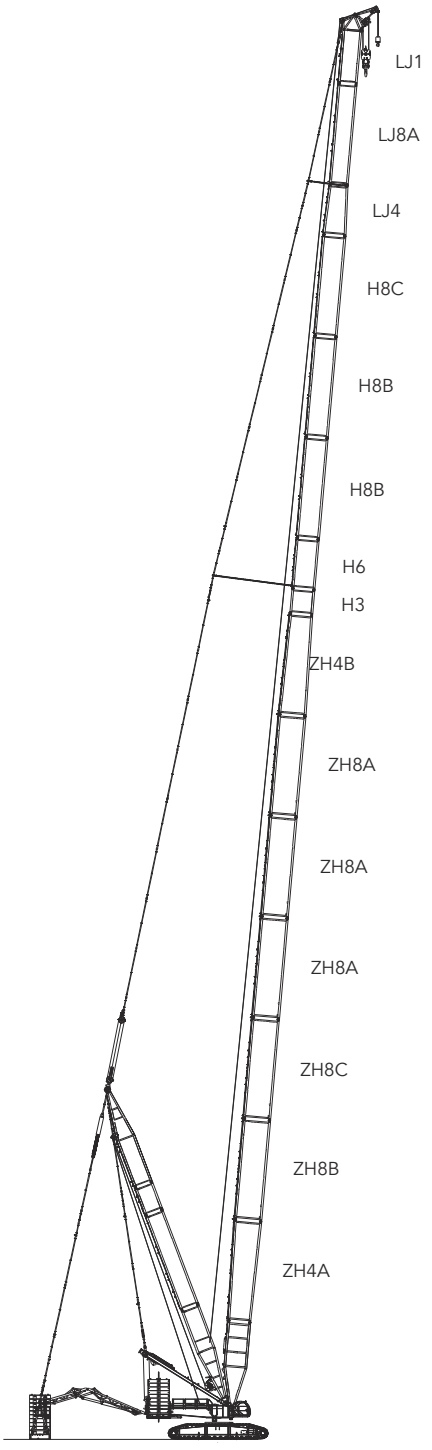


HJDB_5(102~165m)

HJDB_7 Boom Combination

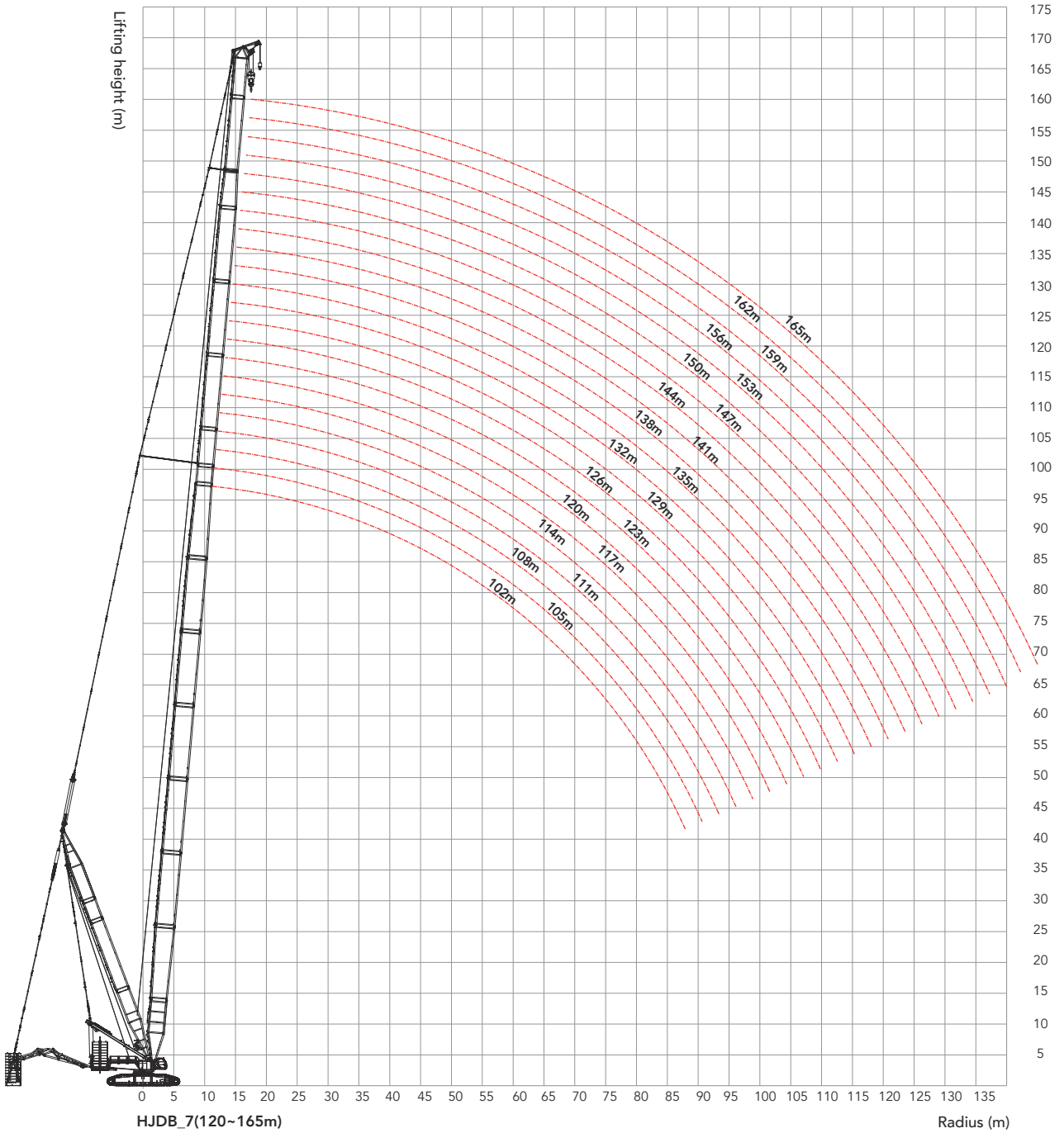
HJDB_7 Boom Combination				
Boom length (m)	Power boom	Boom insert		
	12m	3m	6m	12m
114	6	-	1	-
117	6	1	1	-
120	6	-	2	-
123	6	1	2	-
126	7	-	1	-
129	7	1	1	-
132	7	-	2	-
135	7	1	2	-
138	7	-	1	1
141	7	1	1	1
144	7	-	-	2
147	7	1	-	2
150	7	-	1	2
153	7	1	1	2
156	7	-	2	2
159	7	1	2	2
162	7	-	1	3
165	7	1	1	3

Notes: The boom base, 6m tapered insert, 12m jib insert and jib top are must. The mid-point suspension cable must be used for boom length from 114m ~165m ; otherwise, there is danger of boom breaking.



HJDB_7(120~165m)

HJDB_7 Work Radius



Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 1/11					
Superlift radius 19m, the center counterweight is 60t, the rear counterweight 210t, the superlift counterweight 0-310t					
	Boom 102m		Boom 105m		
Radius (m)	HJDB_4	HJDB_5	HJDB_4	HJDB_5	Radius (m)
12	268	275			12
13	268	274	256	262	13
14	268	273	256	262	14
15	268	272	256	261	15
16	268	271	256	261	16
17	267	270	255	260	17
18	266	269	254	259	18
19	265	268	253	258	19
20	264	267	252	257	20
22	263	265	251	255	22
24	259	261	247	253	24
26	256	258	243	250	26
28	252	253	240	246	28
30	244	246	232	239	30
32	235	238	223	231	32
34	226	230	215	223	34
36	216	216	207	214	36
38	203	203	199	202	38
40	192	191	191	190	40
44	171	171	170	170	44
48	155	154	154	153	48
52	140	140	139	139	52
56	128	128	127	126	56
60	117	117	116	116	60
64	108	108	107	106	64
68	99.5	99.4	98.4	98.2	68
72	91.8	92	90.7	90.8	72
76	84.9	85.4	83.7	84.2	76
80	78.6	79.4	77.5	78.2	80
84	73	74	71.9	72.8	84
88	67.9	69	66.8	67.9	88
92			60.5	61.2	92

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 2/11					
Superlift radius 19m, the center counterweight is 60t, the rear counterweight 210t, the superlift counterweight 0-310t					
	Boom 108m		Boom 111m		
Radius (m)	HJDB_4	HJDB_5	HJDB_4	HJDB_5	Radius (m)
13	243	252	232	241	13
14	243	252	232	241	14
15	243	251	232	240	15
16	243	250	232	240	16
17	243	249	232	240	17
18	243	248	232	239	18
19	243	247	232	238	19
20	243	246	232	237	20
22	243	245	232	236	22
24	242	244	230	234	24
26	240	240	228	229	26
28	238	237	228	225	28
30	236	231	226	220	30
32	228	222	219	211	32
34	221	214	214	204	34
36	214	206	207	195	36
38	201	198	200	188	38
40	190	190	188	180	40
44	169	170	168	166	44
48	153	153	151	151	48
52	138	138	137	137	52
56	126	126	125	125	56
60	115	115	114	114	60
64	106	106	104	105	64
68	97.4	97.8	96.2	96.6	68
72	89.7	90.4	88.4	89.3	72
76	82.7	83.8	81.5	82.6	76
80	76.5	77.9	75.3	74.6	80
84	70.9	72.5	69.7	67.4	84
88	65.8	66.5	64.5	60.5	88
92	61.1	58.7	59.9	53.9	92
96			55.6	47.8	96

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 3/11					
Superlift radius 19m, the center counterweight is 60t, the rear counterweight 210t, the superlift counterweight 0-310t					
	Boom 114m		Boom 117m		
Radius (m)	HJDB_4	HJDB_5	HJDB_4	HJDB_5	Radius (m)
13	220	231			13
14	220	231	210	220	14
15	220	230	210	220	15
16	220	230	210	219	16
17	220	229	210	219	17
18	220	228	210	219	18
19	220	228	210	215	19
20	220	225	210	215	20
22	218	223	209	213	22
24	218	220	208	211	24
26	218	219	206	208	26
28	215	213	205	202	28
30	212	208	204	197	30
32	207	201	200	190	32
34	200	194	196	183	34
36	194	187	192	176	36
38	188	179	187	169	38
40	183	171	180	162	40
44	167	157	166	149	44
48	151	145	149	136	48
52	136	133	135	125	52
56	124	122	123	113	56
60	113	111	112	103	60
64	104	94.5	102	94.2	64
68	95.5	93.6	94.2	86.2	68
72	87.7	86.2	86.4	79.3	72
76	80.8	81.7	79.5	71.3	76
80	74.6	75.7	73.3	63.4	80
84	68.9	70.3	67.7	57.3	84
88	63.8	63.5	62.6	51.6	88
92	59.2	56.9	57.9	46.5	92
96	54.9	51.3	53.6	39.8	96
100	51	38.9	49.7	33.3	100

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 4/11

Superlift radius 19m, the center counterweight is 60t, the rear counterweight 210t, the superlift counterweight 0-310t

	Boom 120m			Boom 123m			
Radius (m)	HJDB_4	HJDB_5	HJDB_7	HJDB_4	HJDB_5	HJDB_7	Radius (m)
14	200	207	215	191	198	205	14
15	200	207	215	191	198	205	15
16	200	207	215	191	198	205	16
17	200	207	215	191	198	205	17
18	200	207	215	191	198	205	18
19	200	207	214	191	198	205	19
20	200	207	213	191	198	205	20
22	199	206	212	189	197	204	22
24	199	205	211	189	196	203	24
26	199	204	211	188	196	202	26
28	198	203	208	187	194	199	28
30	197	202	205	186	192	197	30
32	196	201	199	184	189	191	32
34	195	197	194	182	186	187	34
36	192	192	185	177	183	180	36
38	189	186	180	174	179	175	38
40	180	183	166	170	176	167	40
44	165	165	159	163	164	152	44
48	149	148	145	147	147	139	48
52	134	134	132	133	133	127	52
56	122	122	120	121	121	114	56
60	111	111	113	110	110	102	60
64	102	102	103	100	101	92.5	64
68	93.3	93.6	94.8	92	92.4	83.9	68
72	85.5	86.3	78.5	84.3	85.1	73.8	72
76	78.6	79.7	71.6	77.3	78.5	66.6	76
80	72.4	73.8	64.2	71.1	72.6	59.2	80
84	66.8	68.4	57.8	65.5	67.2	53.7	84
88	61.7	63.5	53.2	60.4	62.3	47.6	88
92	57	58.9	48.9	55.7	57.6	44.2	92
96	52.8	54.7	45.5	51.5	53.3	41.3	96
100	48.8	50.8	44.2	47.6	49.4	38.5	100
104	45.2	47.1	42.6	43.9	45.8	36.9	104
108				40.6	42.5	35.1	108

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 5/11

Superlift radius 19m, the center counterweight is 60t, the rear counterweight 210t, the superlift counterweight 0-310t

	Boom 126m			Boom 129m			
Radius (m)	HJDB_4	HJDB_5	HJDB_7	HJDB_4	HJDB_5	HJDB_7	Radius (m)
14	180	188	196				14
15	180	188	196	172	179	187	15
16	180	188	196	172	179	187	16
17	179	188	196	171	179	187	17
18	179	188	196	171	179	187	18
19	179	188	196	171	179	187	19
20	179	188	196	171	179	187	20
22	178	188	195	170	179	186	22
24	177	187	194	169	178	185	24
26	176	186	193	168	177	184	26
28	175	186	191	167	176	183	28
30	174	183	190	166	175	182	30
32	171	181	185	164	173	178	32
34	170	178	182	162	171	176	34
36	168	175	177	160	167	173	36
38	166	171	174	158	165	172	38
40	163	168	169	156	161	167	40
44	155	160	158	150	154	158	44
48	147	147	147	144	145	147	48
52	133	132	134	132	131	132	52
56	121	120	122	120	119	120	56
60	111	110	111	109	108	110	60
64	101	100	101	99.8	99.1	100	64
68	92.3	92.1	92.8	91	90.9	91.4	68
72	84.5	84.7	85	83.3	83.6	83.6	72
76	77.6	78.2	77.2	76.3	77	76.7	76
80	71.4	72.2	69.3	67.8	71.1	70.5	80
84	65.8	66.9	62.6	60.1	65.6	63.3	84
88	60.7	61.9	55.4	55.6	60.5	56.6	88
92	56	57.2	50.5	49.6	55.8	51.7	92
96	51.8	53	46.3	46.7	50.6	45.9	96
100	47.9	49	42.6	42.5	46.4	42.2	100
104	44.2	45.4	41.2	38.4	43.3	38.5	104
108	40.9	42.1	39.9	34.3	39.1	38.1	108
112				30.2	36.3	36.9	112

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 6/11							
Superlift radius 19m, the center counterweight is 60t, the rear counterweight 210t, the superlift counterweight 0-310t							
	Boom 132m			Boom 135m			
Radius (m)	HJDB_4	HJDB_5	HJDB_7	HJDB_4	HJDB_5	HJDB_7	Radius (m)
15	157	164	180	149	156	171	15
16	157	164	180	149	156	171	16
17	157	164	179	149	156	171	17
18	157	164	178	149	156	171	18
19	157	164	177	149	156	171	19
20	157	164	176	149	156	171	20
22	157	163	176	149	155	170	22
24	156	163	176	148	155	169	24
26	155	162	175	147	154	168	26
28	154	162	175	146	153	167	28
30	153	161	174	145	152	166	30
32	152	160	173	144	151	165	32
34	150	156	172	144	150	164	34
36	147	153	169	142	147	162	36
38	145	149	166	140	144	159	38
40	142	146	161	137	142	155	40
44	138	141	151	132	137	145	44
48	133	136	141	128	132	135	48
52	128	130	131	124	127	125	52
56	119	118	119	118	117	115	56
60	108	108	109	107	106	106	60
64	98.9	98.3	99.3	97.6	97.1	96.5	64
68	90.1	90.1	90.6	88.9	88.9	86.6	68
72	82.4	82.8	82.2	81.1	81.6	77.4	72
76	75.5	76.2	73.6	74.2	75	69.5	76
80	69.2	70.3	65.2	68	69.1	61.3	80
84	63.6	64.8	57.8	62.3	63.4	54.2	84
88	58.5	59.7	51.9	57.2	58.3	47.6	88
92	53.9	55	45.6	52.6	53.7	42.6	92
96	49.6	50.8	42.3	48.3	49.4	37.7	96
100	45.7	46.8	37.4	44.4	45.5	33.3	100
104	42.1	43.2	34.1	40.8	41.9	29.5	104
108	38.7	39.9	31.6	37.5	38.6	26.7	108
112	35.6	36.8	29.5	34.4	35.5	24.6	112
116	32.7	33.9	28.7	31.5	32.6	23.8	116

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 7/11

Superlift radius 19m, the center counterweight is 60t, the rear counterweight 210t, the superlift counterweight 0-310t

	Boom 138m			Boom 141m			
Radius (m)	HJDB_4	HJDB_5	HJDB_7	HJDB_4	HJDB_5	HJDB_7	Radius (m)
16	141	147	162	132	140	154	16
17	141	147	162	131	140	154	17
18	141	147	162	131	140	154	18
19	140	147	162	131	140	154	19
20	139	147	162	131	140	154	20
22	138	147	162	131	140	154	22
24	137	146	162	130	139	153	24
26	136	146	161	129	139	153	26
28	135	145	160	128	139	153	28
30	134	144	160	127	138	152	30
32	133	143	157	126	137	150	32
34	132	142	154	125	136	148	34
36	131	140	150	124	134	144	36
38	130	138	147	123	132	141	38
40	126	135	142	122	129	137	40
44	122	131	133	120	124	129	44
48	117	126	123	117	121	119	48
52	112	122	113	115	117	109	52
56	107	117	103	111	113	100	56
60	103	107	93.3	106	105	90.5	60
64	97.8	97.4	84.2	96.5	96.2	81.8	64
68	89	89.2	75.5	87.8	88	72.2	68
72	81.3	81.9	66.6	80	80.7	64.5	72
76	74.3	75.3	58.7	73.1	74.1	56.6	76
80	68.1	69.4	54.4	66.9	68.1	49.8	80
84	62.5	63.8	52.6	61.2	62.5	42.6	84
88	57.4	58.7	45.2	56.1	57.4	37.5	88
92	52.8	54	39.8	51.5	52.7	32.3	92
96	48.5	49.8	34.4	47.2	47.5	27.7	96
100	44.6	45.9	34.4	43.3	43.6	23.3	100
104	41	42.3	29.8	39.7	39.4	19.9	104
108	37.6	38.9	25.3	36.4	37.5	17.2	108
112	34.5	35.8	22.8	33.3	33.3	14.3	112
116	31.6	32.9	18.3	30.4	31.2	12.5	116
120	28.9	30.2	14.6	27.7	28.9	11.2	120
124				24.6	26.4	10.4	124

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 8/11

Superlift radius 19m, the center counterweight is 60t, the rear counterweight 210t, the superlift counterweight 0-310t

	Boom 144m			Boom 147m			
Radius (m)	HJDB_4	HJDB_5	HJDB_7	HJDB_4	HJDB_5	HJDB_7	Radius (m)
16	127	135	143	121	127	136	16
17	127	134	143	121	127	136	17
18	126	134	143	120	127	136	18
19	126	134	142	120	127	136	19
20	126	134	142	120	127	136	20
22	126	133	142	120	127	136	22
24	125	133	141	120	126	136	24
26	124	132	141	119	126	135	26
28	123	131	140	119	125	134	28
30	122	130	139	119	124	133	30
32	121	129	137	118	123	132	32
34	120	128	136	117	122	131	34
36	119	125	134	116	121	129	36
38	118	123	131	114	120	127	38
40	117	121	129	112	117	124	40
44	116	116	124	110	113	120	44
48	114	112	119	108	109	115	48
52	111	107	115	106	106	111	52
56	108	104	110	104	103	106	56
60	105	100	105	100	98.4	102	60
64	95.6	95.4	95.4	94.4	94.2	94	64
68	86.9	87.2	86.6	85.6	86	85.3	68
72	79.1	79.9	78.9	77.9	78.7	77.5	72
76	72.2	73.4	72	70.9	71.9	70.6	76
80	66	67.2	65.7	64.7	65.7	64.3	80
84	60.3	61.6	60.1	59.1	60.1	58.7	84
88	55.2	56.5	55	54	55	53.6	88
92	50.6	51.8	50.4	49.3	50.4	49	92
96	46.3	47.6	46.1	45.1	46.1	44.7	96
100	42.4	43.7	42.2	41.2	42.2	40.8	100
104	38.8	40.1	38.6	37.6	38.6	37.2	104
108	35.5	36.7	35.2	34.2	35.2	33.8	108
112	32.4	33.6	32.1	31.1	32.1	30.8	112
116	29.5	30.7	29.3	28.2	29.3	27.9	116
120	26.8	28	26.6	25.5	26.6	25.2	120
124	24.3	25.5	24	23	24	22.2	124
128				20.7	21.7	20.3	128

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 9/11

Superlift radius 19m, the center counterweight is 60t, the rear counterweight 210t, the superlift counterweight 0-310t

	Boom 150m			Boom 153m			
Radius (m)	HJDB_4	HJDB_5	HJDB_7	HJDB_4	HJDB_5	HJDB_7	Radius (m)
17	114	120	130	109	114	123	17
18	114	120	130	109	114	123	18
19	114	120	129	108	114	123	19
20	114	120	129	108	114	123	20
22	113	120	129	108	114	123	22
24	113	120	129	107	114	123	24
26	113	119	129	106	113	122	26
28	112	119	128	105	113	122	28
30	111	118	127	105	112	121	30
32	110	117	126	104	111	120	32
34	109	116	125	103	110	119	34
36	107	115	123	102	109	117	36
38	106	113	121	101	108	115	38
40	105	111	119	100	106	113	40
44	104	108	115	98.7	103	110	44
48	103	105	111	97.4	100	105	48
52	100	102	106	95.9	98.5	102	52
56	98.8	98.9	102	93.9	95.9	98.2	56
60	96.5	95.4	98.5	91.5	92.3	94.6	60
64	92.8	93.2	93.7	89.4	89.4	92.2	64
68	86.2	86.2	84.9	84.2	85.1	83.5	68
72	78.4	78.9	77.2	77.2	77.8	75.8	72
76	71.5	72.3	70.2	70.3	71.1	68.8	76
80	65.3	66.1	64	64	64.8	62.6	80
84	59.6	60.5	58.4	58.4	59.2	57	84
88	54.5	55.4	53.3	53.3	54.1	51.9	88
92	49.9	50.8	48.6	48.7	49.5	47.2	92
96	45.6	46.5	44.4	44.4	45.2	43	96
100	41.7	42.6	40.5	40.5	41.3	37.6	100
104	38.1	39	36.9	36.9	37.7	33.6	104
108	34.8	35.6	33.5	33.3	33.3	29.8	108
112	31.7	32.3	29.4	28.6	28.4	25.5	112
116	27.5	28.4	25.4	23.4	24.2	21.9	116
120	23.6	24.2	23.6	18.4	20.5	18.5	120
124	19.8	21	19.9	13.2	17.4	15.6	124
128	15.4	17.5	17.5	8.7	13.9	13.3	128
132	11.2	15.5	15.3		11.8	11.4	132

Unit: t

Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 10/11

Superlift radius 19m, the center counterweight is 60t, the rear counterweight 210t, the superlift counterweight 0-310t

	Boom 156m			Boom 159m			
Radius (m)	HJDB_4	HJDB_5	HJDB_7	HJDB_4	HJDB_5	HJDB_7	Radius (m)
17	103	109	117	98	103	110	17
18	103	109	117	97.5	102	110	18
19	103	109	117	97.1	102	110	19
20	103	109	117	96.5	102	110	20
22	102	109	117	95.9	102	109	22
24	101	108	117	95	101	108	24
26	100	107	117	94.1	100	107	26
28	99.1	106	116	93.2	99.4	107	28
30	98.2	105	115	92.3	98.5	106	30
32	97.5	104	114	91.4	97.6	105	32
34	96.6	103	113	90.5	96.7	104	34
36	95.4	101	112	89.7	95.6	103	36
38	94.2	99.5	111	88.8	94.7	102	38
40	92.6	98.1	110	88.1	93.3	100	40
44	89.9	94.5	106	86.5	90.7	97.2	44
48	86.3	91.2	102	85	87.3	93.6	48
52	83.6	87.9	98.4	83.4	84.2	90.5	52
56	82.2	84.2	95.8	80.5	81.8	87.2	56
60	77.5	80.5	92.2	76.9	77.7	83.4	60
64	74.3	76.9	88.8	74.3	75.2	79.5	64
68	70.5	74.2	82.7	72.2	72.2	76.2	68
72	66.6	69.8	74.9	68.4	68.4	72.1	72
76	62.3	65.5	68	64.2	64.5	65.6	76
80	57.1	59.7	61.8	60.3	58.6	58.4	80
84	53.2	55.5	56.1	55.4	53.3	50.3	84
88	47.5	49.8	51	49.1	48.2	43.6	88
92	41.9	45.3	46.4	45.2	43.3	36.4	92
96	37.3	39.8	42.1	39.5	36.6	31.3	96
100	32.2	35.4	37.4	35.4	33.3	25.6	100
104	27.1	30.3	31.6	29.5	27.4	20.4	104
108	22.2	25.6	27.5	25.5	22.5	15.6	108
112	18.5	21.2	23.6	20.1	18.4	12.2	112
116	15.4	17.8	19.4	16.4	14.6	8.8	116
120	12.6	14.2	15.6	12.2	10.2	5.4	120
124	8.5	11.1	13.4	8.4	6.6		124
128	5.6	6.8	11.1				128
132		5.5	9.3				132
136			8.1				136

Unit: t

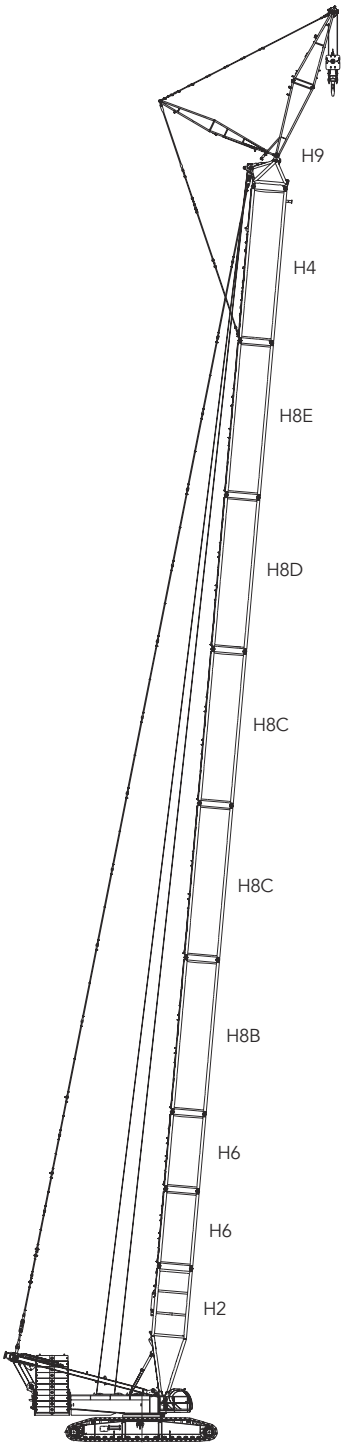
Load Chart of HJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJDB Configuration 11/11					
Superlift radius 19m, the center counterweight is 60t, the rear counterweight 210t, the superlift counterweight 0-310t					
	Boom 162m		Boom 165m		
Radius (m)	HJDB_5	HJDB_7	HJDB_5	HJDB_7	Radius (m)
18	96.5	106	89.3	98.7	18
19	96	106	90.2	99.9	19
20	95.5	105	89.7	99.5	20
22	94.6	105	88.8	98.8	22
24	93.6	104	87.8	98	24
26	92.7	103	86.8	97.3	26
28	91.7	102	85.9	96.5	28
30	90.8	101	85	95.7	30
32	89.9	100	84	95	32
34	89	99.5	83.1	94.2	34
36	88.1	98.7	82.2	93.5	36
38	87.3	97.9	81.3	92.7	38
40	86.4	97.1	80.7	92	40
44	84.8	95.6	79.1	90.6	44
48	83.3	94.1	77.6	89.2	48
52	82	92.6	76.1	87.9	52
56	80.6	91.5	74.7	86.8	56
60	79.3	90.1	73.4	85.5	60
64	78	88.8	72	84.3	64
68	76.7	81.7	71	80.4	68
72	75.5	74	69.7	72.6	72
76	69.5	67	68.2	65.7	76
80	63.3	60.8	62	59.5	80
84	57.7	55.2	56.4	53.8	84
88	52.6	50.1	51.3	48.7	88
92	47.9	45.4	46.6	44.1	92
96	43.6	41.2	42.4	39.8	96
100	39.7	37.3	38.5	35.9	100
104	36.1	33.7	34.9	32.3	104
108	32.8	30.3	31.5	29	108
112	29.7	27.2	28.4	25.9	112
116	26.8	24.3	25.5	23	116
120	24.1	21.6	22.9	20.3	120
124	21.6	19.1	20.3	17.8	124
128	19.3	16.8	18	15.4	128
132	17	14.3	15.6	13.2	132
136	15	5.6	8.6	11.1	136
140	9.2			5.2	140

FJ Boom Combination

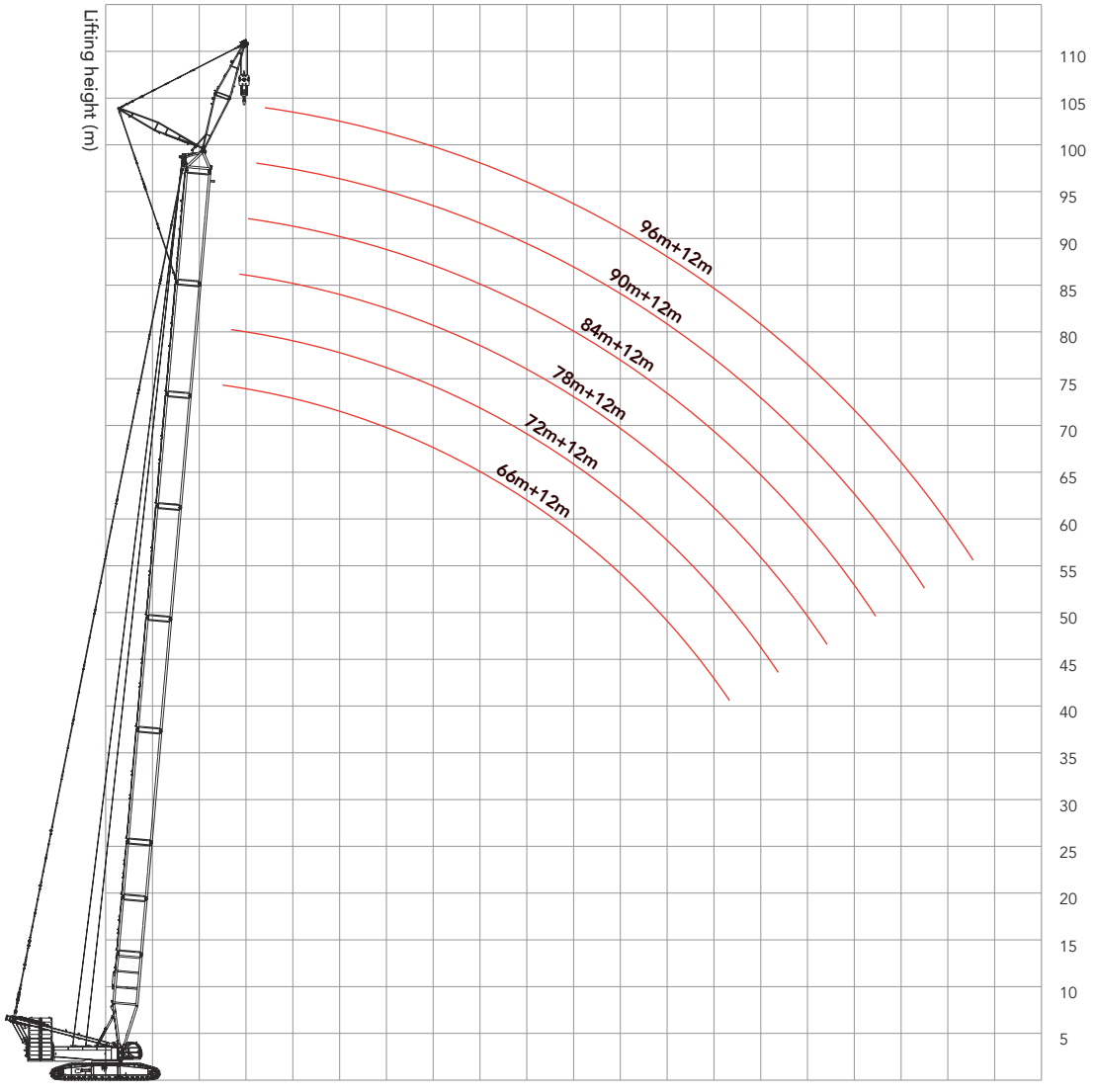
FJ Boom Combination			
Boom length (m)	Boom insert		
	6m	12m	
66	1	3	Fixed jib 12m
72	2	3	
78	1	4	
84	2	4	
90	1	5	
96	2	5	

Note: the boom base, 12m transition boom and the boom head are must.



FJ(66~96m)

FJ Work Radius



Unit: t

Load Chart of FJ Configuration

SCC6500A Crawler Crane —Load Chart of FJ Configuration 1/3

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

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

Unit: t

Load Chart of FJ Configuration

SCC6500A Crawler Crane —Load Chart of FJ Configuration 2/3

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

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

Unit: t

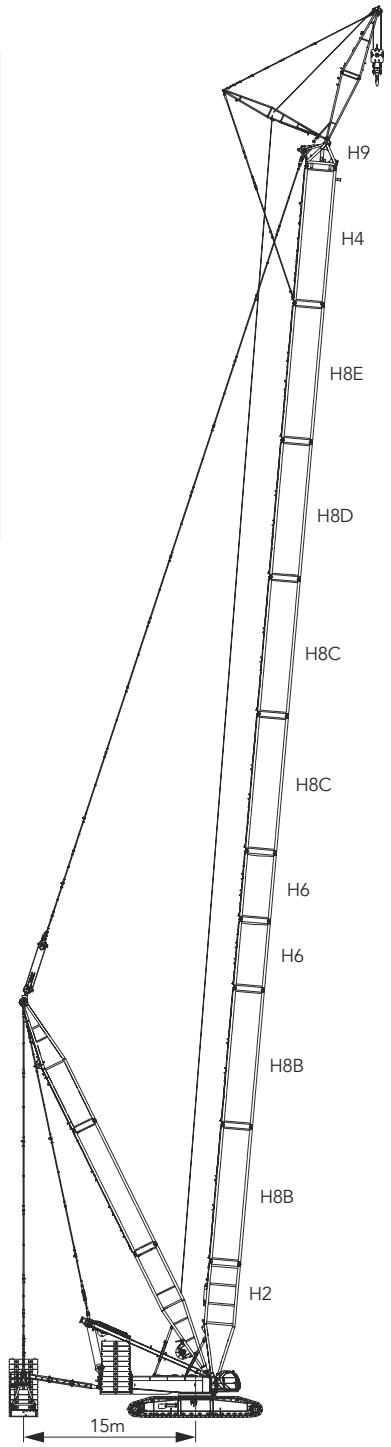
Load Chart of FJ Configuration

SCC6500A Crawler Crane —Load Chart of FJ Configuration 3/3							
The boom length ranges 66m ~ 96m, jib is12m, boom and jib included angle is 20°, the rear counterweight is 210t, the center counterweight is 60t							
Radius (m)	66	72	78	84	90	96	Radius (m)
14	135	133					14
15	132	131	129	127			15
16	129	129	127	126	125	124	16
17	126	127	125	123	122	121	17
18	123	125	123	121	120	119	18
19	121	123	121	118	117	116	19
20	119	121	119	116	115	114	20
22	114	117	115	112	110	108	22
24	108	112	109	105	102	98.2	24
26	102	102	99.3	95.6	92.6	89.1	26
28	96.2	93.7	90.8	87.4	84.6	81.3	28
30	89.4	86	83.4	80.1	77.5	74.4	30
32	82.5	79.2	76.8	73.7	71.3	68.3	32
34	76.3	73.2	70.9	67.9	65.6	62.8	34
36	70.8	67.8	65.6	62.8	60.6	57.8	36
38	65.8	62.9	60.9	58.1	56.0	53.3	38
40	61.2	58.5	56.5	53.8	51.8	49.2	40
44	52.6	50.8	49.0	46.4	44.5	42.0	44
48	45.5	43.9	42.6	40.1	38.3	35.9	48
52	39.5	38.0	37.1	34.7	33.0	30.7	52
56	34.4	32.9	32.1	30.0	28.4	26.1	56
60	30.1	28.6	27.8	25.9	24.3	22.1	60
64	26.3	24.8	24.0	22.3	20.8	18.6	64
68	22.9	21.4	20.6	19.0	17.6	15.4	68
72		18.4	17.6	16.1	14.7	12.6	72
76		15.7	15.0	13.5	12.1	10.0	76
80			12.6	11.1	9.8	7.7	80
84				8.9	7.6	5.6	84
88					5.7		88

FJDB Boom Combination

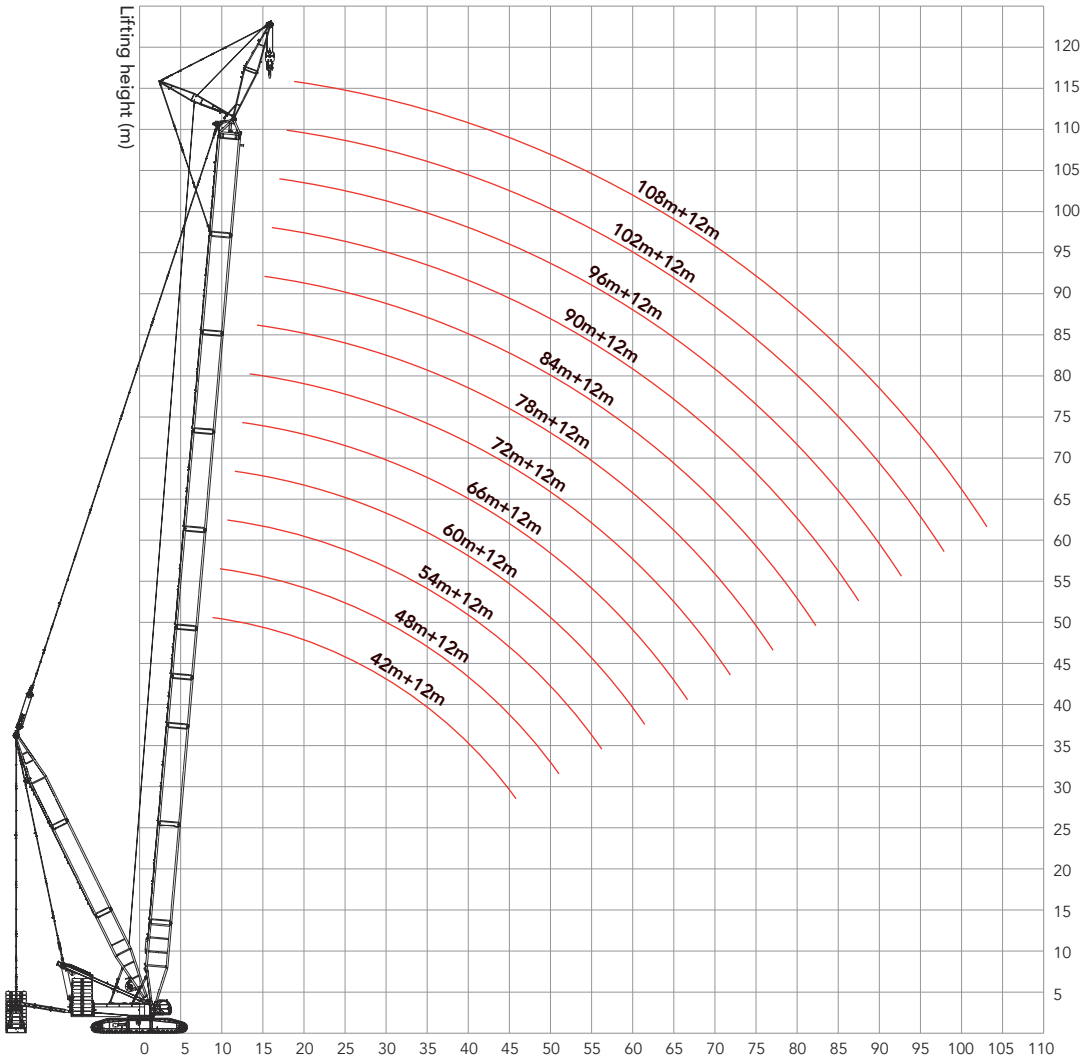
FJDB Boom Combination			
Boom length (m)	Boom insert		
	6m	12m	
42	1	1	
48	2	1	
54	1	2	
60	2	2	
66	1	3	
72	2	3	Fixed jib 12m
78	1	4	
84	2	4	
90	1	5	
96	2	5	
102	1	6	
108	2	6	

Note: the boom base, 12m transition boom and the boom head are must.



FJDB(42~108m+12m)

FJDB Work Radius



FJDB(42~108m+12m)

Unit: t

Load Chart of FJDB Configuration

SCC6500A Crawler Crane - Load Chart of FJDB Configuration 1/3

The main boom length ranges 42 - 108m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 10°, the overload lifting radius is 19m, overload lifting counterweight is 0~310t, the rear counterweight is 210t, the center counterweight is 60t

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

Unit: t

Load Chart of FJDB Configuration

SCC6500A Crawler Crane - Load Chart of FJDB Configuration 2/3

The main boom length ranges 42 - 108m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 15°, the overload lifting radius is 19m, overload lifting counterweight is 0~310t, the rear counterweight is 210t, the center counterweight is 60t

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

Unit: t

Load Chart of FJDB Configuration

SCC6500A Crawler Crane - Load Chart of FJDB Configuration 3/3

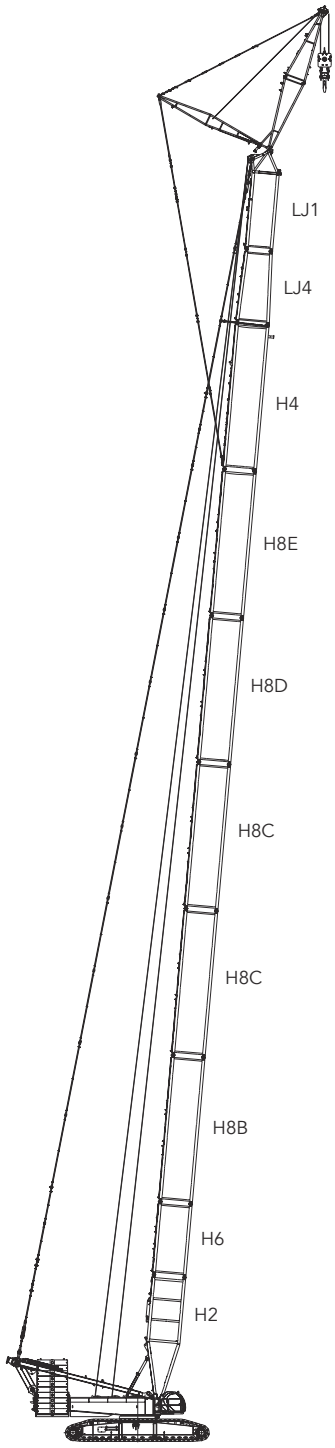
The main boom length ranges 42 - 108m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 20°, the overload lifting radius is 19m, overload lifting counterweight is 0~310t, the rear counterweight is 210t, the center counterweight is 60t

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

HJFJ_1 Boom Combination

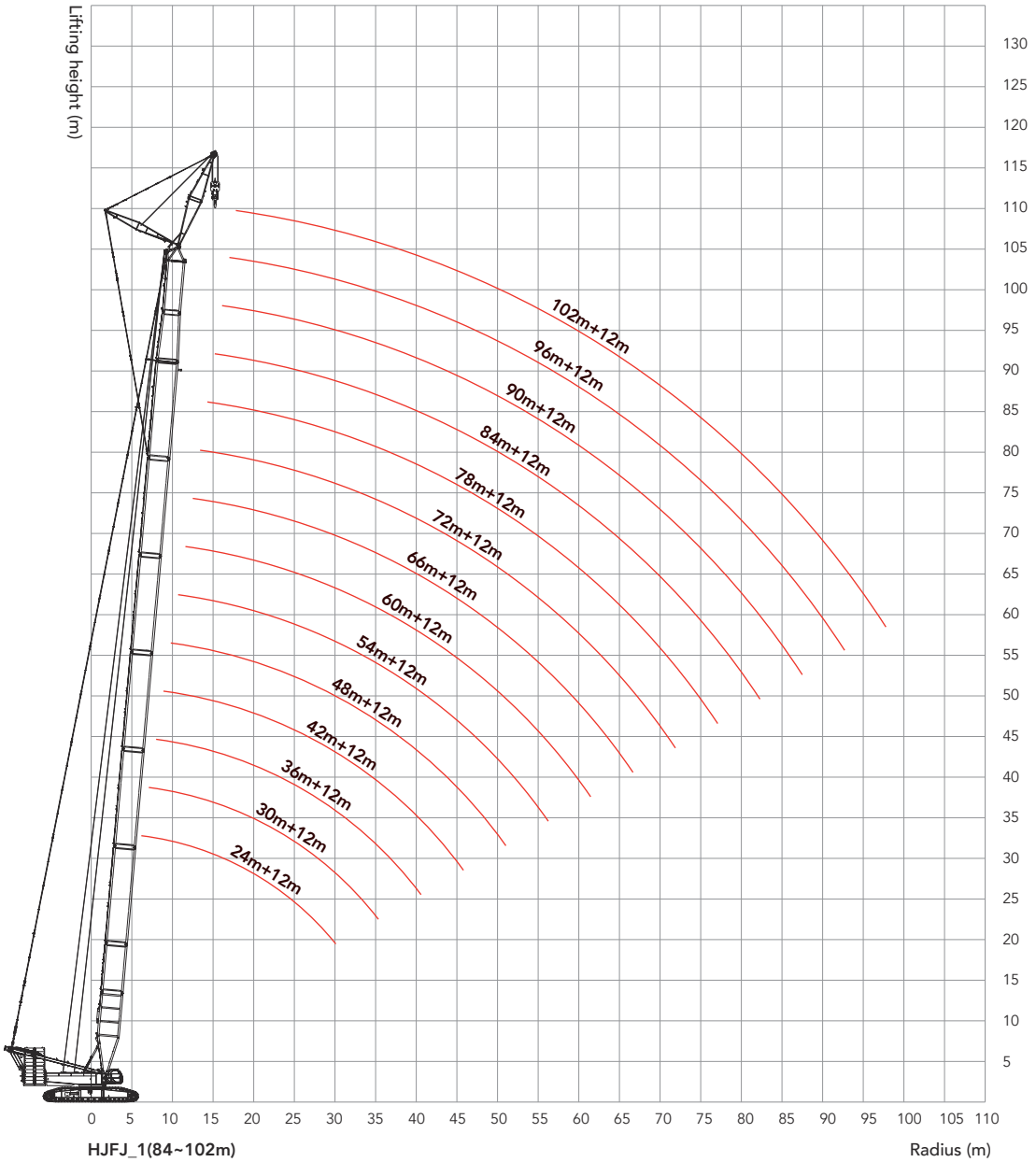
HJFJ_1 Boom Combination				
Boom length (m)	Boom insert			
	3m	6m	12m	
84*	-	-	4	Fixed jib 12m
87*	1	-	4	
90*	-	1	4	
93*	1	1	4	
96*	-	-	5	
99*	1	-	5	
102*	-	1	5	

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



HJFJ_1(84~102m)

HJFJ_1 Work Radius



Unit: t

Load Chart of HJFJ_1 Configuration

SCC6500A Crawler Crane - Load Chart of HJFJ_1 Configuration 1/3								
Main boom length ranges 84m - 102m, auxiliary boom 12m, main and auxiliary boom included angle is 10° , rear counterweight is 210t, central counterweight is 60t								
Radius (m)	84	87	90	93	96	99	102	Radius (m)
13	168	165						13
14	165	164	158	152	150	147		14
15	163	161	153	150	148	145	142	15
16	153	151	148	147	146	142	141	16
17	145	143	145	145	144	141	141	17
18	136	135	143	142	142	138	137	18
19	130	127	140	138	139	136	135	19
20	123	121	135	134	135	134	133	20
22	111	109	120	119	119	119	120	22
24	100	99.8	104	100	93.9	96.7	99.5	24
26	92.4	90.7	91	89.5	85.6	83.9	80.4	26
28	84.8	83.2	81.6	80	78.4	76.8	71.7	28
30	78.1	76.6	75.1	73.5	72	70.5	65.9	30
32	72.1	70.7	69.3	67.7	66.3	64.9	60.7	32
34	66.8	65.4	64	62.6	61.2	59.9	55.9	34
36	62.1	60.6	59.4	58	56.6	55.3	51.7	36
38	57.7	56.3	55.1	53.8	52.4	51.1	47.8	38
40	53.8	52.4	51.2	49.9	48.6	47.4	44.3	40
44	46.8	45.6	44.5	43.2	42	40.8	38.1	44
48	40.7	39.8	38.8	37.5	36.4	35.2	32.8	48
52	36.1	34.9	33.8	32.6	31.5	30.3	28.3	52
56	31.7	30.6	29.5	28.4	27.3	26.1	24.3	56
60	27.7	26.8	25.7	24.7	23.6	22.5	20.9	60
64	24.2	23.5	22.5	21.4	20.3	19.2	17.8	64
68	21.2	20.4	19.6	18.4	17.4	16.3	15.1	68
72	18.4	17.7	16.9	15.9	14.8	13.7	12.7	72
76	16	15.2	14.5	13.5	12.4	11.4	10.4	76
80	13.8	13	12.4	11.3	10.4	9.2	8.5	80
84	11.8	11	10.4	9.3	8.4	7.3	6.7	84
88		9.2	8.6	7.6	6.6	5.5	5	88

Notes: HJFJ102+12 working condition boom (rear counterweight 230t and center counterweight 40t).

Unit: t

Load Chart of HJFJ_1 Configuration

SCC6500A Crawler Crane - Load Chart of HJFJ_1 Configuration 2/3								
Main boom length ranges 84m - 102m, auxiliary boom 12m, main and auxiliary boom included angle is 15° , rear counterweight is 210t, central counterweight is 60t								
Radius (m)	84	87	90	93	96	99	102	Radius (m)
14	155	153						14
15	153	151	149	147	145	143		15
16	150	149	147	144	141	139	130	16
17	143	140	139	136	133	131	129	17
18	136	133	130	128	126	124	123	18
19	128	126	124	122	119	117	117	19
20	121	119	117	115	113	111	111	20
22	110	108	106	104	102	100	99.6	22
24	100	98.6	96.7	94.9	92.9	91.1	90.9	24
26	91.3	89.7	88.1	86.4	84.8	83.1	82.9	26
28	83.8	82.2	80.7	79.1	77.7	76.1	75.9	28
30	77.2	75.7	74.2	72.8	71.3	68.8	69.2	30
32	71.3	69.8	68.5	64.9	63.5	62.2	61.4	32
34	66	64.7	63.3	60	58.7	57.4	56.6	34
36	61.3	60	58.7	55.5	54.3	53	52.3	36
38	57	55.8	53.5	50.5	50.3	49.1	48.4	38
40	52.1	51.9	48.7	45.9	46.7	45.5	44.8	40
44	46.3	45.2	44	41.4	40.3	39.2	38.6	44
48	40.5	39.4	38.3	36	34.9	33.8	33.3	48
52	35.6	34.5	33.5	31.3	30.2	29.2	28.7	52
56	31.3	30.3	29.3	27.3	26.3	25.2	24.8	56
60	27.4	26.6	25.6	23.7	22.7	21.7	21.2	60
64	24	23.3	22.3	20.5	19.5	18.5	18.2	64
68	20.9	20.2	19.3	17.7	16.7	15.8	15.4	68
72	18.2	17.5	16.7	15.2	14.3	13.2	13	72
76	15.8	15.1	14.4	13	12	11	10.7	76
80	13.7	12.9	12.3	10.9	10	9	8.6	80
84	11.6	11	10.3	9	8.1	7.1	6.8	84
88		9.1	8.5	7.3	6.4	5.4	5.1	88

Notes: HJFJ102+12 working condition boom (rear counterweight 230t and center counterweight 40t).

Unit: t

Load Chart of HJFJ_1 Configuration

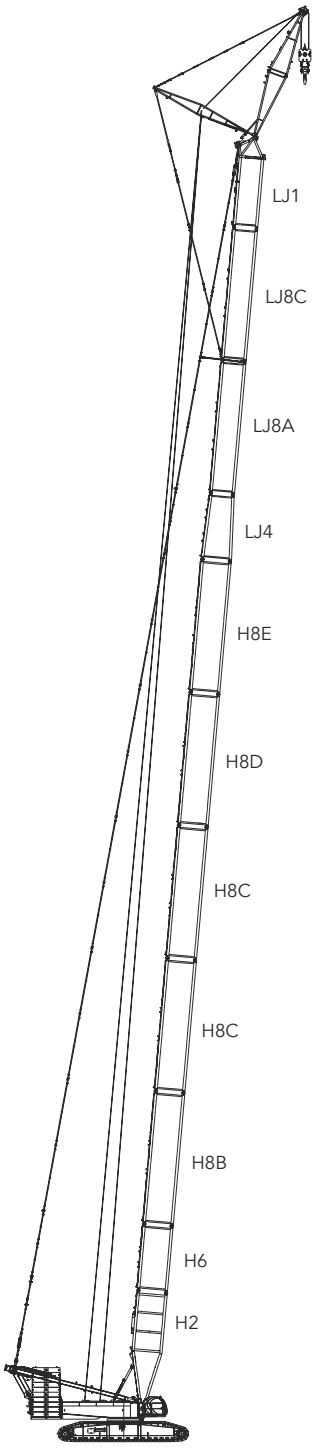
SCC6500A Crawler Crane - Load Chart of HJFJ_1 Configuration 3/3								
Main boom length ranges 84m - 102m, auxiliary boom 12m, main and auxiliary boom included angle is 20° , rear counterweight is 210t, central counterweight is 60t								
Radius (m)	84	87	90	93	96	99	102	Radius (m)
15	132	131	129					15
16	130	128	127	126	125	121		16
17	129	127	126	124	123	121	114	17
18	127	126	124	123	122	119	113	18
19	125	124	122	121	119	117	112	19
20	122	121	118	116	114	114	107	20
22	111	109	107	105	103	102	99.4	22
24	101	99.5	97.7	96.8	96	93.2	92.9	24
26	92.3	90.6	89	88.3	87.6	86.1	85.8	26
28	84.6	83	83.3	80.9	80.2	80.8	79.8	28
30	77.9	76.4	76.7	74.4	73.7	74.5	72.8	30
32	72	70.6	70.8	68.5	67.9	68.6	67	32
34	66.7	65.4	65.5	63.4	62.7	63.2	61.8	34
36	61.9	60.6	60.6	58	56.8	58.5	56.5	36
38	57.6	56.4	56.3	53.8	52.6	53	50.8	38
40	53.7	52.5	52.3	50	48.8	47.5	46.5	40
44	46.8	45.7	44.5	43.3	42.2	40.6	40	44
48	41	39.9	38.8	37.7	36.5	35.1	34.5	48
52	36	34.9	33.9	32.7	31.7	30.3	29.8	52
56	31.7	30.6	29.6	28.6	27.5	26.1	25.7	56
60	27.7	26.9	25.9	24.8	23.8	22.4	22.1	60
64	24.2	23.5	22.6	21.5	20.6	19.2	18.9	64
68	21.1	20.5	19.6	18.6	17.6	16.4	15.7	68
72	18.4	17.7	17	15.9	15	13.8	13.1	72
76	16	15.3	14.6	13.6	12.6	11.5	10.9	76
80	13.8	13	12.4	11.4	10.5	9.4	8.8	80
84	11.7	11.1	10.4	9.5	8.6	7.5	6.9	84
88		9.2	8.6	7.6	6.7	5.6	5.2	88

Notes: HJFJ102+12 working condition boom (rear counterweight 230t and center counterweight 40t).

HJFJ Boom Combination

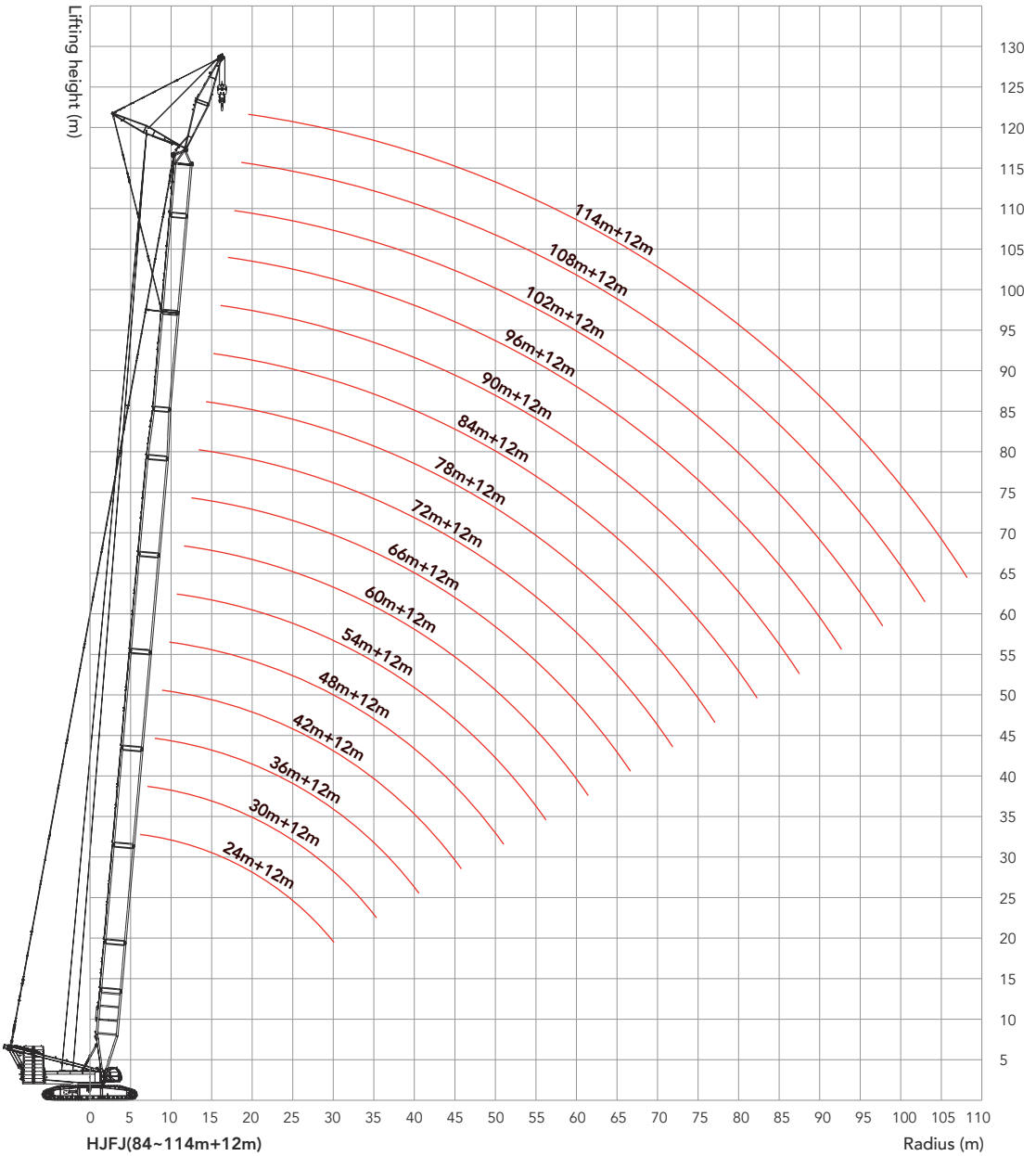
HJFJ Boom Combination				
Boom length (m)	Boom insert		Jib insert	
	6m	12m	12m	
84	-	4	1	Fixed jib 12m
90*	1	4	1	
96*	-	4	2	
102*	1	4	2	
108*	-	5	2	
114*	1	5	2	

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



HJFJ(84~114m)

HJFJ Work Radius



HJFJ(84~114m+12m)

Unit: t

Load Chart of HJFJ Configuration

SCC6500A Crawler Crane - Load Chart of HJFJ Configuration 1/3							
Main boom length ranges 84m - 114m, auxiliary boom 12m, main and auxiliary boom included angle is 10° , rear counterweight is 210t, central counterweight is 60t							
Radius (m)	84	90	96	102	108	114	Radius (m)
13	158						
14	156	148	136				14
15	155	144	134	118	109		15
16	152	140	130	116	108	93.5	16
17	146	133	125	114	107	92.5	17
18	137	127	120	111	105	91.5	18
19	128	120	114	107	102	89.5	19
20	119	113	107	103	98.4	88	20
22	106	99.3	96.8	92.1	88.4	83.5	22
24	96.6	91	88.3	84.4	81	77.4	24
26	88.2	83.7	81.3	77.7	74.5	71.1	26
28	80.9	77.3	75.1	71.6	68.7	65.4	28
30	74.9	71.5	69.5	66.3	63.5	60.4	30
32	69.6	66.4	64.5	61.4	58.8	55.8	32
34	64.8	61.7	60	57	54.5	51.6	34
36	60.5	57.5	55.9	53	50.6	47.8	36
38	56.6	53.7	52.2	49.4	47.1	44.4	38
40	52.9	50.1	48.7	46.0	43.8	41.2	40
44	46.6	43.9	42.7	40.1	38.0	35.5	44
48	41.2	38.6	37.5	35.0	33.0	30.6	48
52	36.5	34.0	33.0	30.6	28.7	26.4	52
56	32.4	30.0	29.1	26.8	24.9	22.6	56
60	28.9	26.5	25.6	23.3	21.6	19.3	60
64	25.7	23.4	22.5	20.3	18.6	16.4	64
68	22.8	20.6	19.8	17.6	15.9	13.7	68
72	20.3	18.1	17.3	15.1	13.5	11.4	72
76	18.0	15.8	15.1	12.9	11.3	7.1	76
80	15.9	13.7	13.0	10.9	9.3		80
84	14.0	11.8	11.2	9.1	5.6		84

Notes: HJFJ114+12 working condition boom (rear counterweight 230t and center counterweight 40t).

Unit: t

Load Chart of HJFJ Configuration

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

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

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

Notes: HJFJ114+12 working condition boom (rear counterweight 230t and center counterweight 40t).

Unit: t

Load Chart of HJFJ Configuration

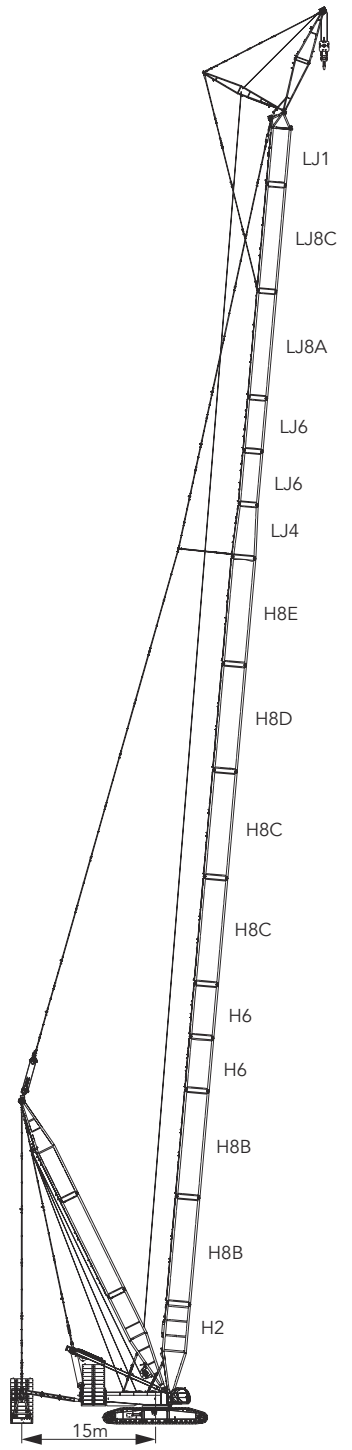
SCC6500A Crawler Crane - Load Chart of HJFJ Configuration 3/3							
Main boom length ranges 84m - 114m, auxiliary boom 12m, main and auxiliary boom included angle is 20°, rear counterweight is 210t, central counterweight is 60t							
Radius (m)	84	90	96	102	108	114	Radius (m)
15	124	122					15
16	123	120	116	112			16
17	121	118	114	111	103	85	17
18	119	115	111	109	102	84	18
19	117	112	108	106	101	83	19
20	114	109	105	103	99.1	82	20
22	106	101	98.2	94.1	90.5	79.3	22
24	96.8	92.8	90.1	86.3	83	76.7	24
26	89.1	85.4	83	79.4	76.3	72.9	26
28	82.3	78.8	76.6	73.3	70.4	67.2	28
30	76.3	73	71	67.8	65.1	62	30
32	70.9	67.7	65.9	62.8	60.3	57.3	32
34	66	63	61.3	58.4	55.9	53.1	34
36	61.6	58.7	57.1	54.3	51.9	49.2	36
38	57.6	54.8	53.3	50.6	48.3	45.6	38
40	53.9	51.2	49.8	47.2	45.0	42.4	40
44	47.5	44.9	43.6	41.1	39.1	36.6	44
48	42.0	39.5	38.3	35.9	34.0	31.6	48
52	37.2	34.8	33.8	31.4	29.6	27.3	52
56	33.0	30.7	29.8	27.5	25.7	23.5	56
60	29.4	27.1	26.2	24.0	22.3	20.1	60
64	26.1	23.9	23.1	20.9	19.2	17.1	64
68	23.2	21.0	20.3	18.1	16.5	14.4	68
72	20.6	18.5	17.7	15.6	14.0	11.9	72
76	18.3	16.1	15.4	13.4	11.8	8.8	76
80	16.1	14.0	13.4	11.3	9.7	4.5	80
84	14.2	12.1	11.4	9.4	7.2		84

Notes: HJFJ114+12 working condition boom (rear counterweight 230t and center counterweight 40t).

HJFJDB Boom Combination

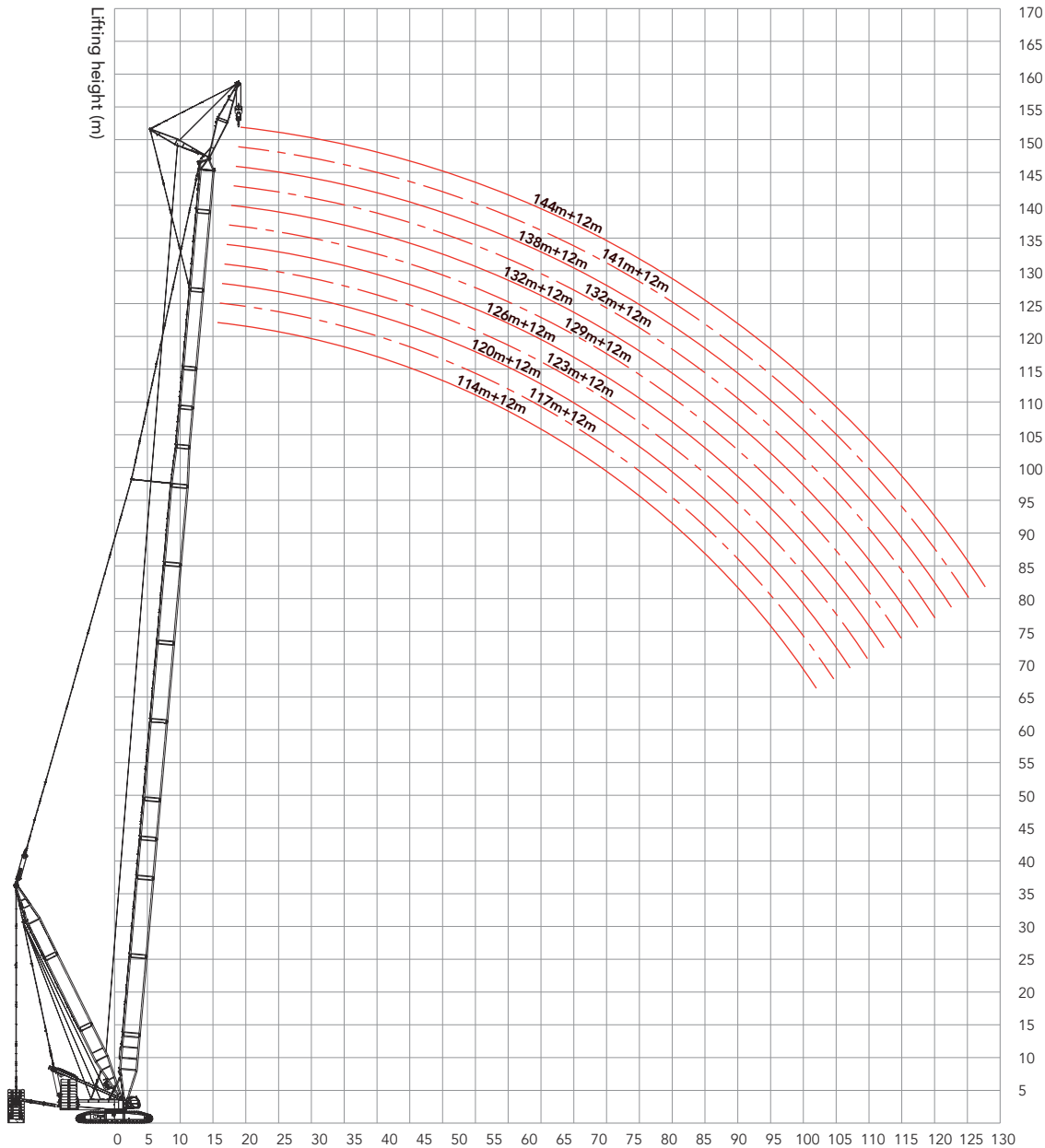
HJFJDB Boom Combination						
Boom length (m)	Boom insert			Jib insert		
	3m	6m	12m	6m	12m	
114*	—	1	5	—	2	Fixed jib 12m
117*	1	1	5	—	2	
120*	—	2	5	—	2	
123*	1	2	5	—	2	
126*	—	1	6	—	2	
129*	1	1	6	—	2	
132*	—	2	6	—	2	
135*	1	2	6	—	2	
138*	—	2	6	1	2	
141*	1	2	6	1	2	
144*	—	2	6	2	2	

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



HJFJDB(114~144m+12m)

HJFJDB Work Radius



HJFJDB(114~144m+12m)

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane —Load Chart of HJFJDB Configuration 1/3

The main boom length ranges 114 - 144m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 10°, the overload lifting radius is 19m, overload lifting counterweight is 0~310t, the rear counterweight is 210t, the center counterweight is 60t

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

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane —Load Chart of HJFJDB Configuration 2/3

The main boom length ranges 114 - 144m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 15°, the overload lifting radius is 19m, overload lifting counterweight is 0~310t, the rear counterweight is 210t, the center counterweight is 60t

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

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane —Load Chart of HJFJDB Configuration 3/3

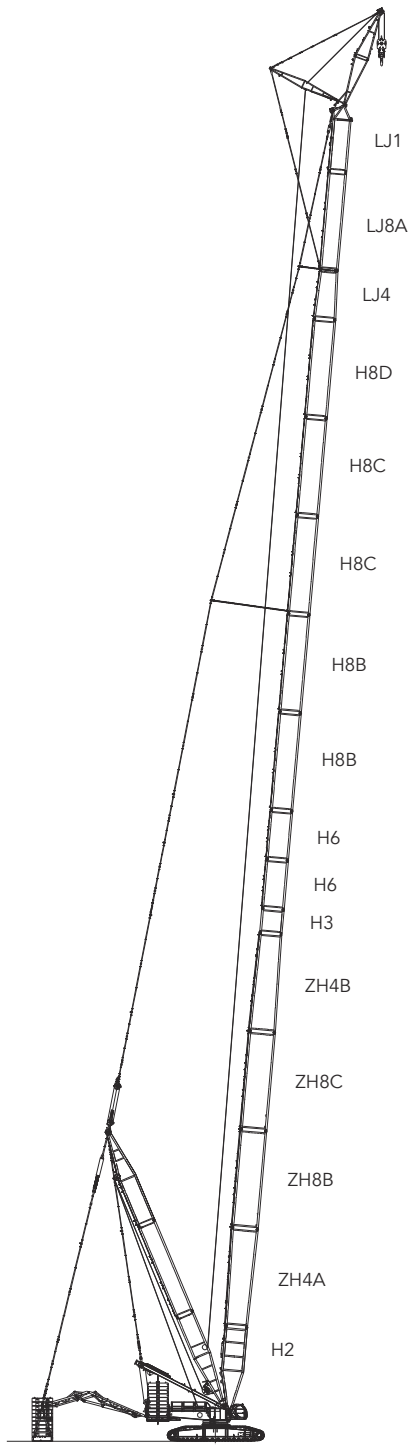
The main boom length ranges 114 - 144m, the auxiliary boom length is 12m, the main and auxiliary boom included angle is 20°, the overload lifting radius is 19m, overload lifting counterweight is 0~310t, the rear counterweight is 210t, the center counterweight is 60t

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

HJFJDB_4 Boom Combination

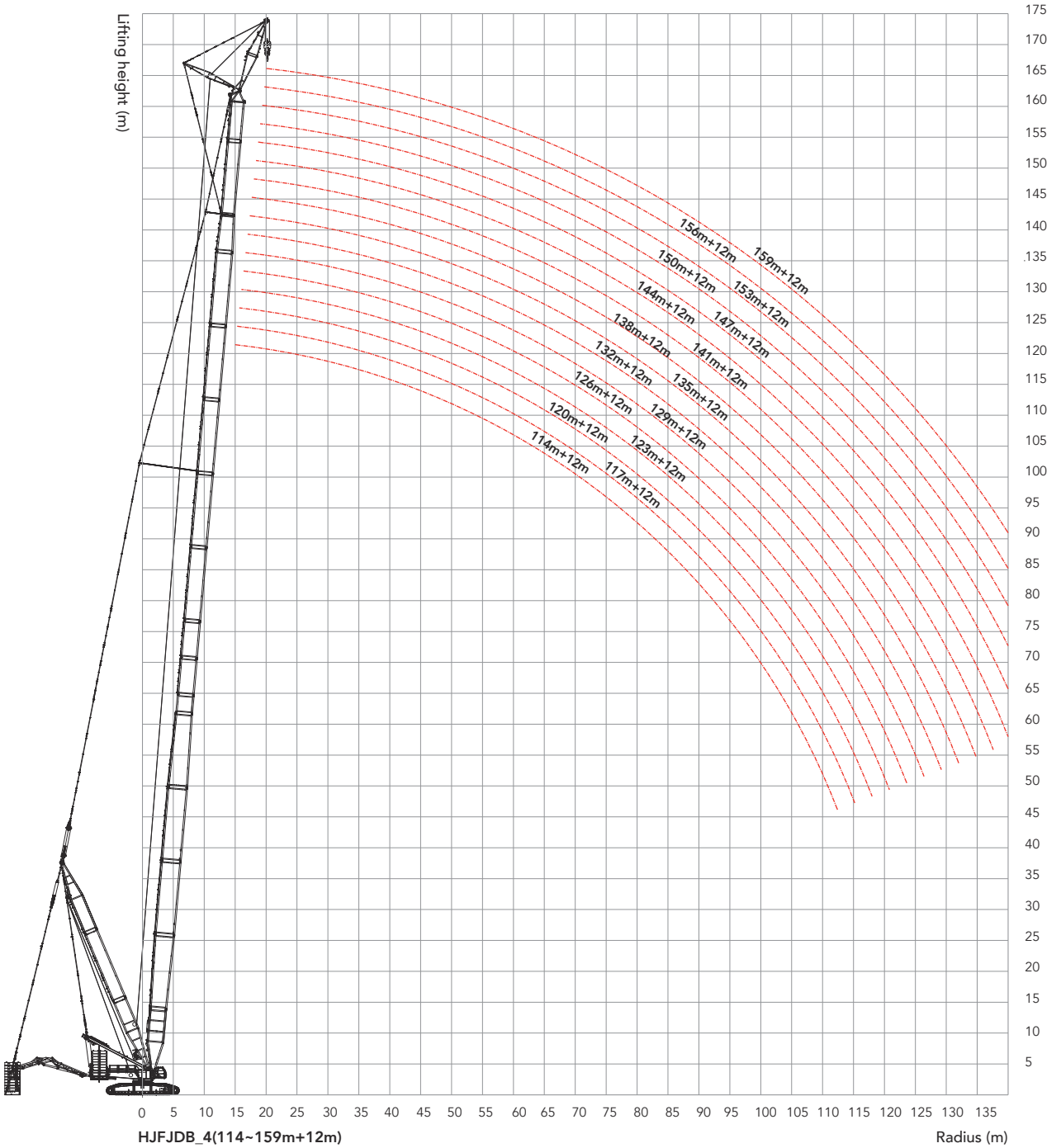
HJFJDB_4 Boom Combination					
Boom length (m)	Power boom	Boom insert			
	12m	3m	6m	12m	
114	4	-	1	2	Fixed jib 12m
117	4	1	1	2	
120	4	-	2	2	
123	4	1	2	2	
126	4	-	1	3	
129	4	1	1	3	
132	4	-	2	3	
135	4	1	2	3	
138	4	-	1	4	
141	4	1	1	4	
144	4	-	2	4	
147	4	1	2	4	
150	4	-	1	5	
153	4	1	1	5	
156	4	-	2	5	
159	4	1	2	5	

Notes: The boom base, 6m tapered insert, 12m jib insert and jib top are must. The mid-point suspension cable must be used for all boom length from 114m ~165m; otherwise, there is danger of boom breaking.



HJFJDB_4(114~159m+12m)

HJFJDB_4 Work Radius

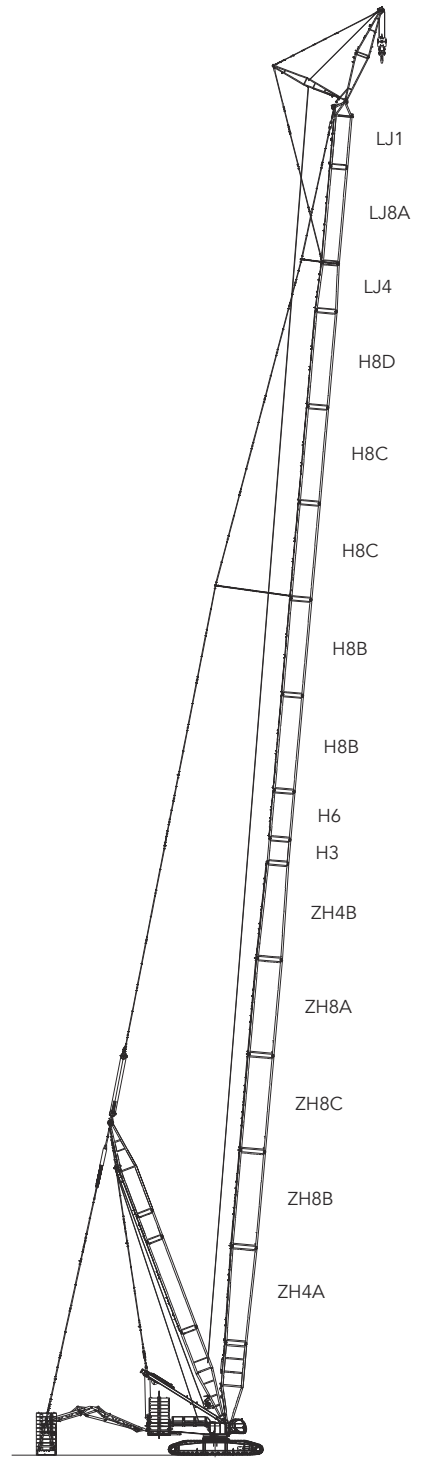


HJFJDB_4(114~159m+12m)

HJFJDB_5 Boom Combination

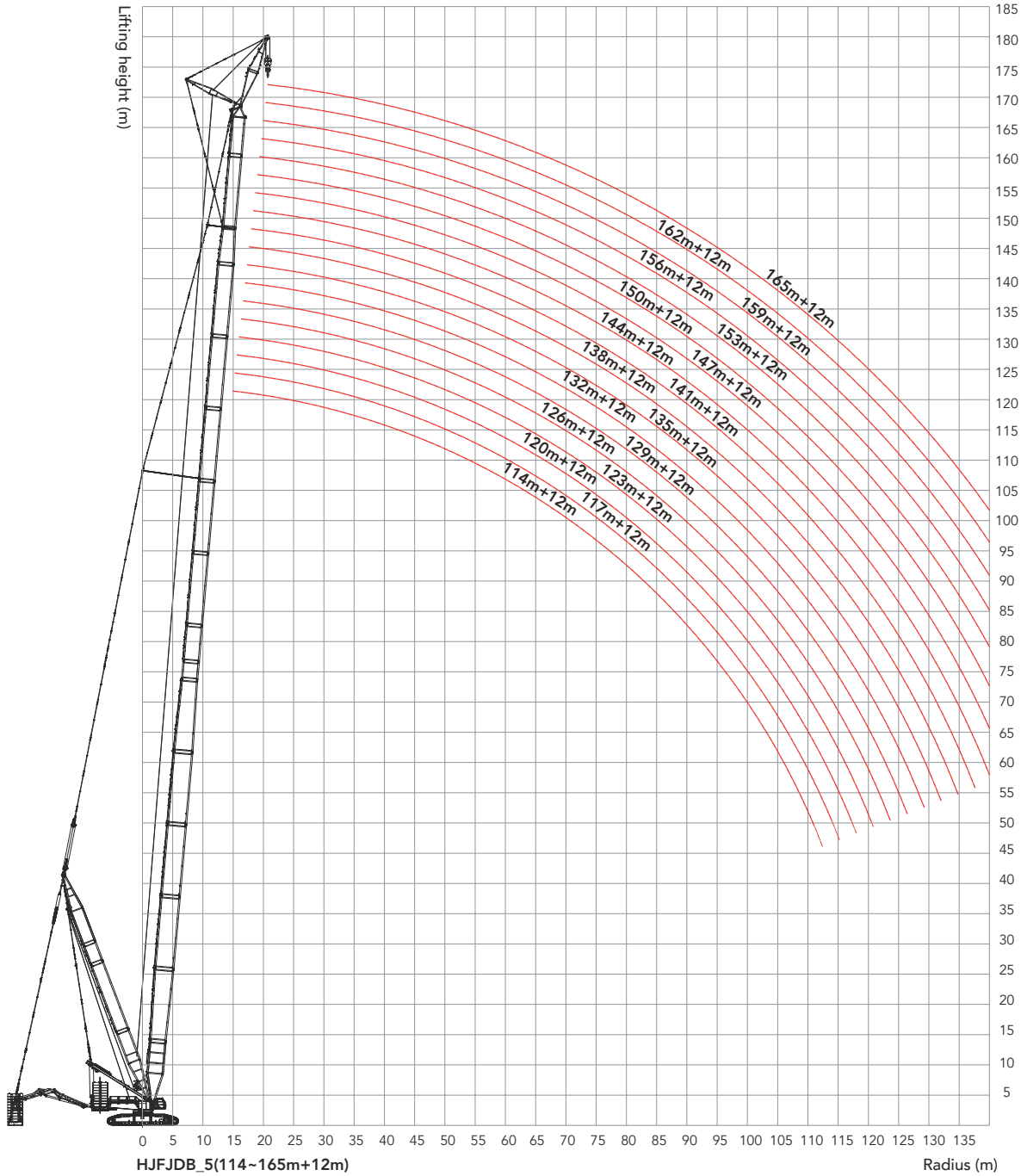
HJFJDB_5 Boom Combination					
Boom length (m)	Power boom	Boom insert			
	12m	3m	6m	12m	
114	5	-	1	1	Fixed jib 12m
117	5	1	1	1	
120	5	-	2	1	
123	5	1	2	1	
126	5	-	1	2	
129	5	1	1	2	
132	5	-	2	2	
135	5	1	2	2	
138	5	-	1	3	
141	5	1	1	3	
144	5	-	2	3	
147	5	1	2	3	
150	5	-	1	4	
153	5	1	1	4	
156	5	-	2	4	
159	5	1	2	4	
162	5	-	1	5	
165	5	1	1	5	

Notes: The boom base, 6m tapered insert, 12m jib insert and jib top are must. The mid-point suspension cable must be used for all boom length from 114m ~165m; otherwise, there is danger of boom breaking.



HJFJDB_5(114~165m+12m)

HJFJDB_5 Work Radius

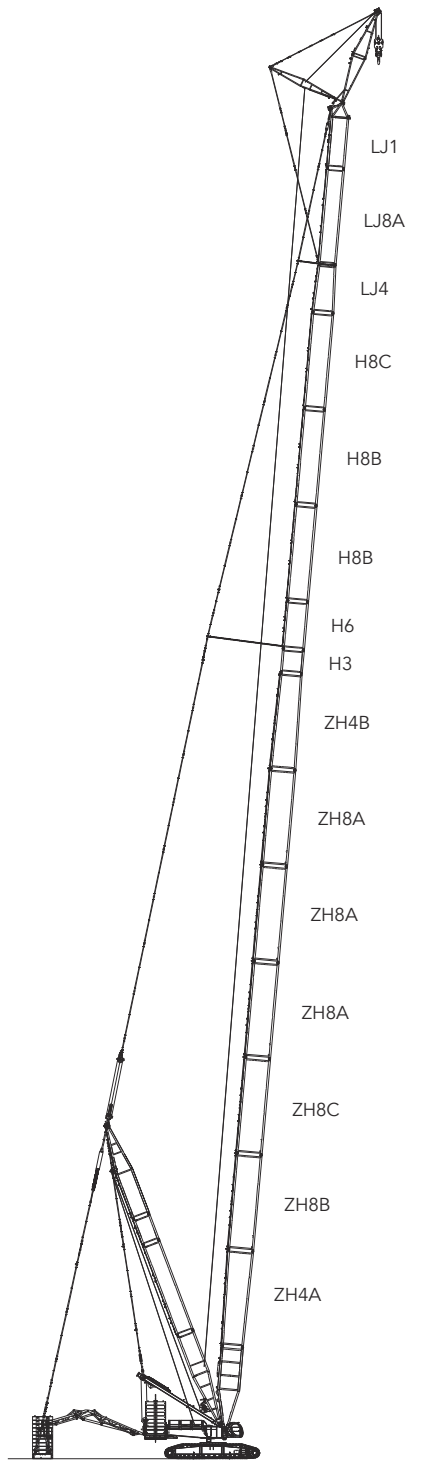


HJFJDB_5(114~165m+12m)

HJFJDB_7 Boom Combination

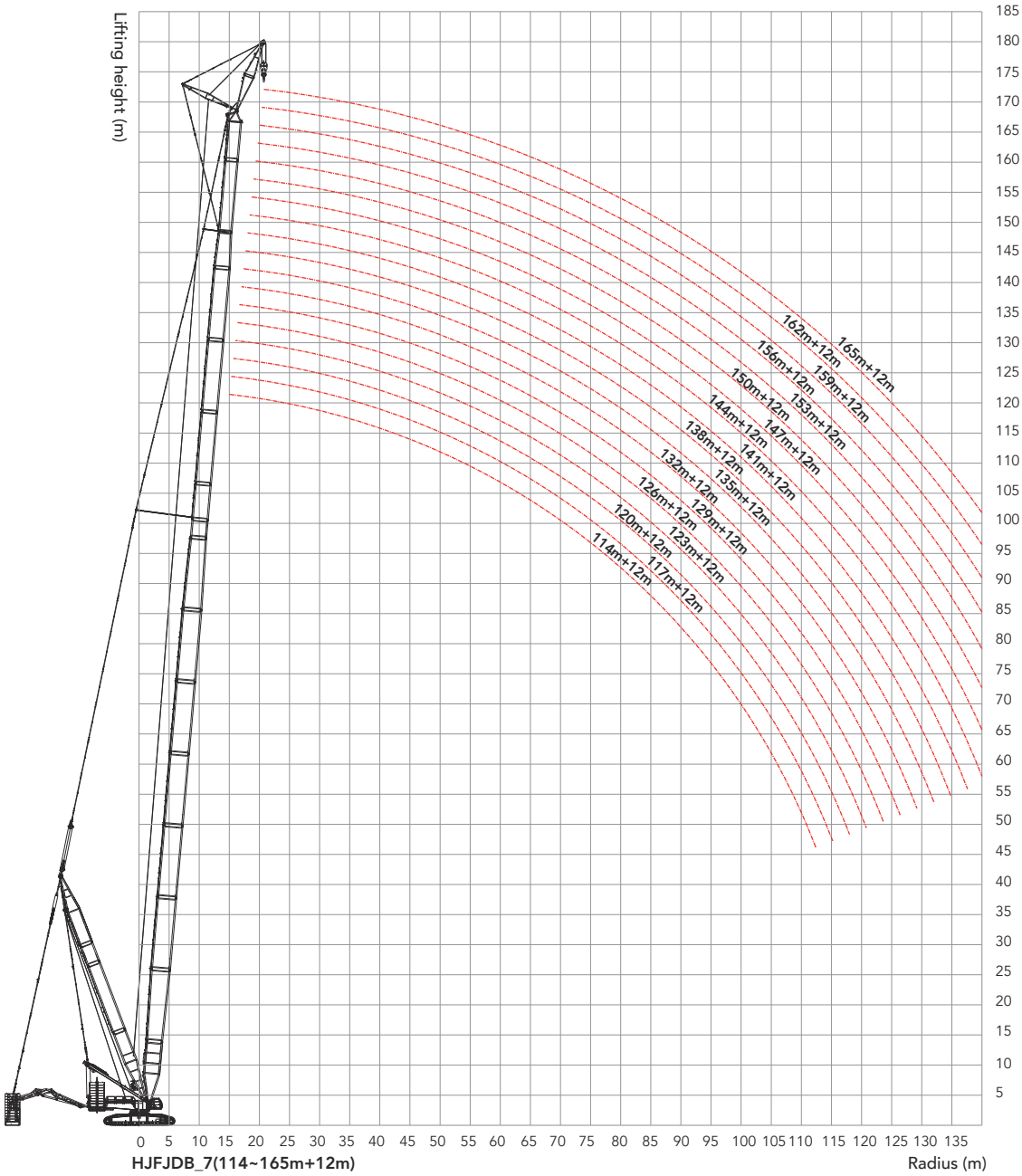
HJFJDB_7 Boom Combination					
Boom length (m)	Power boom	Boom insert			
	12m	3m	6m	12m	
114	6	-	1	-	
117	6	1	1	-	
120	6	-	2	-	
123	6	1	2	-	
126	7	-	1	-	
129	7	1	1	-	
132	7	-	2	-	
135	7	1	2	-	
138	7	-	1	1	
141	7	1	1	1	Fixed jib 12m
144	7	-	2	1	
147	7	1	2	1	
150	7	-	1	2	
153	7	1	1	2	
156	7	-	2	2	
159	7	1	2	2	
162	7	-	1	3	
165	7	1	1	3	

Notes: The boom base, 6m tapered insert, 12m jib insert and jib top are must. The mid-point suspension cable must be used for all boom length from 114m ~165m; otherwise, there is danger of boom breaking.



HJFJDB_7(114~165m+12m)

HJFJDB_7 Work Radius



HJFJDB_7(114~165m+12m)

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 1/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 10°

Radius (m)	Boom 114m			Boom 117m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
16	162	163	164	157	158	159	16
17	162	163	164	157	158	159	17
18	162	163	164	157	158	159	18
19	162	163	164	157	158	158	19
20	162	162	163	157	158	158	20
22	160	161	161	156	157	157	22
24	157	158	158	155	155	156	24
26	152	153	157	152	152	156	26
28	146	147	157	147	148	152	28
30	141	142	152	142	143	148	30
32	136	137	148	137	138	144	32
34	130	131	144	131	132	139	34
36	125	126	139	126	127	135	36
38	120	121	136	121	122	131	38
40	116	117	131	117	118	127	40
44	110	111	124	111	112	120	44
48	105	106	117	106	107	113	48
52	100	101	111	101	102	107	52
56	95.1	95.7	105	96.8	96.9	102	56
60	91.1	91.6	101	92.8	92.9	97.2	60
64	88.0	88.4	96.0	89.1	89.7	92.9	64
68	84.5	84.9	91.7	85.7	85.9	88.3	68
72	81.0	81.5	88.3	82.7	82.8	84.6	72
76	77.9	77.9	84.1	79.2	79.7	81.1	76
80	74.9	74.9	78.2	74.7	74.7	77.0	80
84	71.1	71.1	72.9	69.4	67.9	71.7	84
88	66.2	66.2	68.0	64.5	65.9	66.8	88
92	61.7	61.0	63.5	60.1	62.6	62.3	92
96	57.6	59.5	59.3	55.8	58.4	58.1	96
100	53.8	55.6	55.3	50.9	54.4	54.1	100
104	50.3	51.9	51.5	47.4	50.7	50.4	104
108	47.0	48.4	48.1	44.4	47.3	46.9	108
112	44.0	45.2	44.9	41.4	44.1	43.7	112

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 2/27							
Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 10°							
Radius (m)	Boom 120m			Boom 123m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
16	151	156	157	145	153	154	16
17	151	155	156	145	153	154	17
18	151	155	156	145	153	154	18
19	151	155	155	145	153	154	19
20	151	155	155	145	153	153	20
22	151	155	155	145	153	153	22
24	151	155	154	145	152	153	24
26	149	152	152	145	152	152	26
28	146	148	148	144	151	151	28
30	142	143	143	142	146	147	30
32	138	139	140	139	142	143	32
34	132	135	135	135	139	138	34
36	127	131	130	130	134	135	36
38	123	126	127	125	131	130	38
40	119	123	122	121	127	127	40
44	113	116	115	114	120	120	44
48	107	109	109	108	113	113	48
52	102	103	103	103	108	107	52
56	97.6	97.5	98.2	99.1	102	102	56
60	93.6	92.6	93.1	95.0	97.1	97.3	60
64	89.9	87.8	88.5	91.0	92.5	92.9	64
68	86.5	83.9	84.5	87.6	87.9	88.7	68
72	83.4	80.1	81.0	84.3	84.2	84.9	72
76	79.8	77.1	77.2	78.8	80.6	81.0	76
80	73.9	74.2	74.3	72.9	75.4	75.1	80
84	68.6	71.2	70.9	67.6	70.1	69.7	84
88	63.8	66.3	66.0	62.7	65.2	64.9	88
92	59.3	61.9	61.6	57.4	60.7	60.4	92
96	54.9	57.7	57.4	52.7	56.6	56.2	96
100	50.1	53.7	53.4	49.1	52.6	52.2	100
104	46.8	50.0	49.7	45.7	48.9	48.5	104
108	43.6	46.6	46.2	42.6	45.4	45.1	108
112	40.7	43.4	43.1	39.7	42.2	41.9	112
116	38.0	40.4	40.1	37.0	39.3	38.9	116
120				34.4	36.5	36.1	120

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 3/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 10°

Radius (m)	Boom 126m			Boom 129m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
17	135	146	152	130	138	145	17
18	135	146	152	130	138	145	18
19	135	146	152	130	138	145	19
20	135	146	152	130	138	145	20
22	135	146	152	130	138	145	22
24	135	145	152	130	138	144	24
26	135	145	151	130	138	144	26
28	135	145	151	130	138	144	28
30	134	145	151	129	138	144	30
32	134	145	151	129	137	144	32
34	133	141	150	128	137	144	34
36	131	138	150	127	136	144	36
38	127	135	149	125	135	144	38
40	122	131	149	122	134	143	40
44	115	123	143	115	128	137	44
48	109	117	137	111	121	131	48
52	104	111	131	106	115	126	52
56	99.9	105	122	101	109	120	56
60	95.9	101	112	97.0	105	110	60
64	92.3	96.1	102	94.0	99.9	101	64
68	88.9	92.0	94.2	90.0	93.6	93.0	68
72	85.4	87.5	86.9	84.3	86.3	85.7	72
76	78.8	80.9	80.4	77.8	79.8	79.2	76
80	73.0	75.0	74.5	71.9	73.9	73.3	80
84	67.6	69.7	69.1	66.6	68.5	67.9	84
88	62.8	64.8	64.3	61.8	63.7	63.0	88
92	56.9	60.3	59.8	57.2	59.2	58.6	92
96	52.9	56.3	55.7	51.9	55.1	54.5	96
100	49.3	52.3	51.7	48.3	51.2	50.5	100
104	45.9	48.6	48.0	44.9	47.5	46.8	104
108	42.8	45.2	44.5	41.8	44.0	43.3	108
112	39.9	42.0	41.3	38.9	40.8	40.1	112
116	37.2	39.0	38.4	36.1	37.9	37.2	116
120	34.0	36.2	35.6	33.6	35.1	34.4	120
124				31.2	32.5	31.8	124

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 4/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 10°

Radius (m)	Boom 132m			Boom 135m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
17	125	131	138	119	125	132	17
18	125	131	138	119	125	132	18
19	125	131	138	119	124	132	19
20	125	131	138	119	124	131	20
22	125	131	138	119	124	131	22
24	125	131	138	119	124	131	24
26	124	131	138	118	124	131	26
28	124	131	138	118	124	131	28
30	123	131	138	118	124	131	30
32	123	130	138	117	124	131	32
34	122	130	138	116	123	131	34
36	121	129	137	115	122	131	36
38	120	128	137	114	121	130	38
40	118	127	136	113	120	129	40
44	113	125	134	110	119	128	44
48	109	124	133	106	117	126	48
52	105	119	131	102	115	124	52
56	102	113	120	99.7	114	119	56
60	98.5	109	110	97.5	109	109	60
64	95.5	101	100	94.2	99.9	99.2	64
68	91.0	92.9	92.3	89.5	91.7	91.1	68
72	83.5	85.6	85.0	82.2	84.4	83.8	72
76	77.1	79.0	78.4	75.8	77.9	77.2	76
80	71.2	73.1	72.5	70.0	72.0	71.3	80
84	65.9	67.8	67.2	64.7	66.6	66.0	84
88	61.1	62.9	62.3	59.9	61.8	61.1	88
92	56.6	58.4	57.9	55.4	57.3	56.7	92
96	51.2	54.4	53.8	50.1	53.2	52.6	96
100	47.5	50.4	49.8	46.5	49.3	48.6	100
104	44.2	46.7	46.1	43.1	45.6	44.9	104
108	41.0	43.3	42.6	40.0	42.2	41.4	108
112	38.1	40.1	39.5	37.1	39.0	38.2	112
116	35.4	37.1	36.5	34.4	36.0	35.3	116
120	32.8	34.4	33.7	31.9	33.2	32.5	120
124	30.5	31.8	31.1	29.5	30.6	29.9	124
128	28.2	29.3	28.7	27.3	28.2	27.5	128

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 5/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 10°

Radius (m)	Boom 138m			Boom 141m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
18	113	118	125	108	112	119	18
19	113	118	125	108	112	119	19
20	113	118	125	108	112	119	20
22	112	118	125	107	112	119	22
24	112	118	125	106	112	119	24
26	111	117	125	105	111	119	26
28	111	117	125	105	111	119	28
30	110	116	125	105	110	119	30
32	109	115	125	105	109	119	32
34	108	114	125	104	109	119	34
36	107	114	124	103	108	118	36
38	106	113	124	102	107	117	38
40	105	112	123	101	106	117	40
44	104	110	121	99.4	105	115	44
48	102	109	120	97.4	103	114	48
52	99.5	107	118	95.4	102	112	52
56	97.5	105	117	93.9	100	111	56
60	94.6	104	108	91.5	98.6	107	60
64	91.6	100	98.9	89.9	97.0	97.7	64
68	87.0	91.9	90.7	86.1	90.7	89.5	68
72	80.5	84.6	83.5	80.9	83.5	82.2	72
76	74.1	78.1	76.9	74.6	76.9	75.7	76
80	68.4	72.2	71.0	68.8	71.0	69.8	80
84	63.3	66.8	65.7	61.5	65.7	64.5	84
88	58.6	62.0	60.8	55.7	60.9	59.6	88
92	54.1	57.5	56.4	50.5	56.4	55.2	92
96	49.2	53.4	52.3	46.7	52.3	51.1	96
100	45.6	49.7	48.4	43.3	48.6	47.2	100
104	42.4	46.0	44.7	40.1	44.8	43.5	104
108	39.3	42.5	41.2	37.1	41.4	40.0	108
112	36.4	39.4	38.1	34.4	38.2	36.9	112
116	33.8	36.4	35.1	31.8	35.3	33.9	116
120	31.3	33.6	32.3	29.4	32.5	31.1	120
124	29.0	31.0	29.7	27.2	29.9	28.5	124
128	26.8	28.6	27.3	18.8	27.5	26.1	128
132	18.7	26.3	25.0	11.7	25.2	23.8	132
136					23.0	21.6	136

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 6/27							
Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 10°							
Radius (m)	Boom 144m			Boom 147m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
18	102	106	116	96.9	101	108	18
19	102	106	116	96.5	101	108	19
20	101	106	116	96.5	101	108	20
22	101	106	116	96.2	99.9	108	22
24	101	105	116	95.9	99.3	108	24
26	100	105	115	95.7	98.6	108	26
28	99.9	104	114	95.5	98.0	108	28
30	99.6	103	113	95.2	97.3	108	30
32	99.2	102	113	94.9	96.6	107	32
34	98.9	102	113	94.7	96.0	107	34
36	98.4	101	112	94.2	95.3	106	36
38	97.8	100	111	93.2	94.6	105	38
40	96.8	99.5	111	91.5	93.9	105	40
44	95.1	98.1	109	88.8	92.5	103	44
48	93.3	96.5	108	86.5	91.1	102	48
52	91.3	95.0	107	85.1	89.7	101	52
56	88.9	93.5	105	83.3	88.4	99.2	56
60	86.3	92.0	104	81.5	87.0	97.9	60
64	84.4	90.4	96.9	79.9	85.6	95.7	64
68	81.7	88.9	88.8	77.8	84.4	87.6	68
72	77.5	82.7	81.5	74.6	81.4	80.3	72
76	71.6	76.1	75.0	69.6	74.9	73.8	76
80	65.1	70.3	69.1	64.4	69.0	67.9	80
84	60.0	64.9	63.7	58.2	63.7	62.5	84
88	55.2	60.1	58.9	53.8	58.8	57.7	88
92	50.6	55.6	54.4	49.3	54.4	53.2	92
96	46.5	51.5	50.4	45.2	50.3	49.2	96
100	42.6	47.8	46.5	41.2	46.5	45.3	100
104	38.8	44.1	42.8	37.6	42.8	41.6	104
108	35.4	40.7	39.3	34.0	39.4	38.1	108
112	32.2	37.5	36.2	30.7	36.2	35.0	112
116	28.4	34.5	33.2	26.8	33.2	32.0	116
120	25.4	31.8	30.4	20.8	30.5	29.2	120
124	21.6	29.2	27.8	14.1	27.9	26.6	124
128	14.6	26.7	25.4	7.6	25.5	24.2	128
132	7.7	24.4	23.1		23.2	21.9	132
136		22.3	20.9		21.0	19.7	136
140					19.0	17.7	140

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 7/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 10°

Radius (m)	Boom 150m			Boom 153m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
19	89.1	94.1	103	84.3	89.1	98.1	19
20	88.8	93.8	103	84.0	88.7	97.8	20
22	88.1	93.2	103	83.3	88.1	97.2	22
24	87.4	92.5	102	82.8	87.5	96.6	24
26	86.7	91.9	102	82.1	86.8	96.0	26
28	86.0	91.2	101	81.4	86.1	95.4	28
30	85.4	90.5	100	80.8	85.5	94.8	30
32	84.7	89.9	99.7	80.1	84.8	94.4	32
34	84.0	89.2	99.1	79.4	84.1	93.8	34
36	83.3	88.5	98.4	78.8	83.5	93.2	36
38	82.6	87.8	97.8	78.1	82.8	92.6	38
40	82.2	87.4	97.1	77.5	82.2	91.9	40
44	80.9	86.1	95.9	76.2	80.9	90.7	44
48	79.6	84.7	94.9	75.0	79.7	89.5	48
52	78.3	83.4	93.7	73.8	78.4	88.3	52
56	77.0	82.2	92.5	72.6	77.2	87.2	56
60	75.8	80.9	91.3	71.4	76.0	86.0	60
64	74.6	79.6	90.1	70.3	74.8	84.9	64
68	73.4	78.3	87.2	69.2	73.7	83.7	68
72	72.2	77.1	79.9	68.1	72.5	78.7	72
76	71.0	75.1	73.4	67.0	71.4	72.2	76
80	69.9	69.2	67.5	65.9	68.1	66.3	80
84	65.0	63.9	62.2	63.9	62.8	61.0	84
88	60.2	59.1	57.4	59.1	58.0	56.2	88
92	55.7	54.6	52.9	54.7	53.5	51.7	92
96	51.7	50.6	48.8	50.6	49.4	47.6	96
100	47.9	46.8	45.1	46.8	45.7	43.8	100
104	44.4	43.3	41.3	43.4	42.2	40.1	104
108	41.1	39.8	37.9	40.0	38.7	36.7	108
112	37.9	36.6	34.7	36.8	35.5	33.5	112
116	34.9	33.7	31.8	33.9	32.6	30.5	116
120	32.2	30.9	29.0	31.1	29.8	27.8	120
124	29.6	28.3	26.4	28.5	27.2	25.2	124
128	27.2	25.9	24.0	26.1	24.8	22.8	128
132	24.9	23.6	21.7	23.8	22.5	20.5	132
136	22.7	21.5	19.5	21.7	20.4	18.3	136
140	20.7	19.4	17.5	19.6	18.3	16.3	140
144				17.7	16.4	14.4	144

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 8/27							
Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 10°							
Radius (m)	Boom 156m			Boom 159m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
19	79.9	84.1	93.0				19
20	79.6	83.8	92.8	75.7	78.8	87.3	20
22	78.9	83.1	92.2	75.1	78.2	86.8	22
24	78.2	82.4	91.7	74.5	77.5	86.2	24
26	77.5	81.8	91.0	73.9	76.8	85.6	26
28	76.8	81.1	90.5	73.2	76.1	85.0	28
30	76.1	80.4	89.9	72.6	75.4	84.3	30
32	75.5	79.8	89.3	71.9	74.9	83.7	32
34	74.8	79.1	88.7	71.3	74.1	83.1	34
36	74.2	78.4	88.1	70.7	73.6	82.5	36
38	73.5	77.8	87.5	70.0	73.0	81.9	38
40	72.9	77.2	86.9	69.4	72.3	81.3	40
44	71.6	75.9	85.7	68.1	71.1	80.1	44
48	70.5	74.7	84.5	67.0	70.0	79.0	48
52	69.3	73.5	83.4	66.0	68.8	78.1	52
56	68.3	72.6	82.2	64.8	67.7	77.0	56
60	67.2	71.4	81.1	63.7	66.6	75.9	60
64	66.2	70.3	80.0	62.6	65.5	74.8	64
68	65.1	69.2	78.9	61.6	64.5	73.8	68
72	64.1	68.2	77.8	60.5	63.6	72.7	72
76	63.1	67.1	71.4	57.3	62.6	70.2	76
80	62.1	66.1	65.6	51.9	61.6	64.4	80
84	61.1	62.0	60.2	47.2	60.6	59.1	84
88	58.3	57.2	55.4	43.3	56.1	54.2	88
92	53.9	52.7	51.0	38.9	51.6	49.8	92
96	49.8	48.7	46.9	35.3	47.6	45.7	96
100	46.0	44.9	43.1	31.9	43.8	41.9	100
104	42.6	41.4	39.4	29.0	40.3	38.2	104
108	39.2	38.0	36.0	26.2	36.9	34.8	108
112	36.1	34.8	32.8	23.0	33.7	31.6	112
116	33.1	31.8	29.8	20.4	30.7	28.6	116
120	30.3	29.1	27.1	18.4	28.0	25.9	120
124	27.8	26.5	24.5	15.9	25.4	23.3	124
128	25.3	24.0	22.0	13.5	22.9	20.8	128
132	23.0	21.8	19.8	11.2	20.7	18.6	132
136	20.9	19.6	17.6	9.5	18.5	16.4	136
140	18.9	17.6	15.6	7.8	16.5	14.4	140
144	17.0	15.7	13.6	5.7	14.6	12.5	144
148	15.1	13.8	11.8		12.7	10.6	148

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 9/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 10°

Radius (m)	Boom 162m		Boom 165m		Radius (m)
	HJFJDB_5	HJFJDB_7	HJFJDB_5	HJFJDB_7	
20	74.8	84.3	70.5	79.7	20
22	74.2	83.9	70.0	79.2	22
24	73.6	83.4	69.4	78.8	24
26	73.0	82.9	68.8	78.3	26
28	72.5	82.4	68.2	77.9	28
30	71.9	81.9	67.6	77.4	30
32	71.3	81.4	67.1	76.9	32
34	70.9	80.9	66.5	76.6	34
36	70.4	80.4	65.9	75.9	36
38	69.8	79.9	65.4	75.4	38
40	69.3	79.4	64.9	74.9	40
44	68.2	78.4	63.8	74.2	44
48	67.2	77.4	62.8	73.2	48
52	66.2	76.4	61.8	72.2	52
56	65.2	75.6	61.0	71.3	56
60	64.3	74.7	60.1	70.3	60
64	63.3	73.7	59.1	69.4	64
68	62.4	72.8	58.3	68.4	68
72	61.5	71.9	57.4	67.5	72
76	60.6	70.5	56.6	66.6	76
80	59.7	64.7	55.7	63.5	80
84	59.0	59.3	54.9	58.2	84
88	56.5	54.5	54.1	53.3	88
92	52.1	50.1	51.0	48.9	92
96	48.0	46.0	46.9	44.8	96
100	44.3	42.2	43.2	41.1	100
104	40.8	38.7	39.7	37.5	104
108	37.5	35.3	36.4	34.1	108
112	34.3	32.1	33.2	30.9	112
116	31.4	29.1	30.3	27.9	116
120	28.6	26.3	27.5	25.2	120
124	26.0	23.7	24.9	22.6	124
128	23.6	21.3	22.5	20.1	128
132	21.3	19.0	20.2	17.9	132
136	19.2	16.9	18.1	15.7	136
140	17.1	14.9	16.0	13.7	140
144	15.2	12.9	14.1	11.8	144
148	13.4	11.1	12.3	10.0	148
152	11.7	9.4	10.6	8.2	152

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 10/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 15°

Radius (m)	Boom 114m			Boom 117m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
17	161	162	163	156	157	158	17
18	161	162	163	156	157	158	18
19	161	162	162	156	157	158	19
20	161	162	161	156	157	157	20
22	160	160	160	155	156	156	22
24	156	156	156	154	155	155	24
26	151	152	152	151	152	152	26
28	145	146	146	146	147	148	28
30	140	141	142	141	142	142	30
32	135	136	137	136	137	137	32
34	131	132	133	131	131	131	34
36	126	127	127	126	126	126	36
38	121	122	124	122	123	123	38
40	116	117	120	117	117	119*	40
44	110	111	115	111	111	113	44
48	105	106	110	105	106	107	48
52	99.6	99.6	106	101	101	101	52
56	95.6	95.6	100	96.2	96.7	96.1	56
60	90.5	90.5	95.9	92.1	92.5	91.9	60
64	87.5	87.5	91.6	88.5	88.5	87.8	64
68	84.5	84.5	87.9	85.1	85.7	83.7	68
72	80.5	80.5	84.2	82.1	82.6	80.6	72
76	77.5	77.5	81.1	77.5	77.7	77.6	76
80	74.4	74.4	78.5	73.2	73.4	74.7	80
84	70.4	70.4	73.1	68.9	65.8	71.9	84
88	65.8	65.8	68.2	64.1	63.9	67.0	88
92	61.4	61.4	63.7	59.7	62.1	62.6	92
96	57.2	57.2	59.5	55.7	58.6	58.3	96
100	53.5	55.7	55.4	51.9	54.6	54.2	100
104	50.0	50.0	51.7	48.4	50.9	50.5	104
108	46.7	46.7	48.2	45.3	47.4	47.0	108
112	43.8	43.8	45.0	42.2	44.2	43.8	112

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 11/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 15°

Radius (m)	Boom 120m			Boom 123m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
17	150	153	154	144	150	152	17
18	150	153	154	144	150	152	18
19	150	153	154	144	150	152	19
20	150	151	152	144	150	152	20
22	150	147	147	144	149	149	22
24	150	143	144	144	145	146	24
26	148	140	139	144	142	142	26
28	147	136	136	144	138	138	28
30	142	132	132	141	135	135	30
32	138	129	129	137	132	132	32
34	133	125	126	133	128	128	34
36	128	122	122	129	125	125	36
38	124	118	119	124	122	122	38
40	119	115	115	120	119	119	40
44	112	109	109	113	112	113	44
48	107	102	103	108	107	107	48
52	101	96.5	97.0	102	101	101	52
56	96.9	91.6	92.0	98.3	96.1	96.3	56
60	93.0	87.6	88.0	94.3	91.5	91.6	60
64	89.3	83.4	84.0	90.3	87.3	87.8	64
68	85.9	80.0	80.2	86.9	83.6	84.0	68
72	81.8	76.3	77.2	82.6	80.2	80.4	72
76	78.3	73.5	74.3	78.2	77.3	77.6	76
80	73.4	71.1	71.5	72.3	74.4	74.8	80
84	68.1	68.8	69.5	67.0	70.4	70.0	84
88	63.3	66.5	66.3	62.2	65.5	65.1	88
92	58.9	62.1	61.8	57.9	61.0	60.6	92
96	54.9	58.0	57.6	53.8	56.8	56.5	96
100	51.2	53.9	53.6	50.1	52.8	52.4	100
104	47.7	50.2	49.8	46.6	49.1	48.7	104
108	44.5	46.7	46.4	43.5	45.6	45.2	108
112	41.6	43.5	43.2	40.5	42.4	42.0	112
116	38.8	40.5	40.2	37.7	39.4	39.0	116
120				35.1	36.6	36.2	120

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 12/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 15°

Radius (m)	Boom 126m			Boom 129m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
18	134	143	150	129	136	144	18
19	134	143	150	129	136	144	19
20	134	143	150	129	136	144	20
22	134	143	150	129	136	143	22
24	134	143	150	129	136	143	24
26	134	143	148	129	136	143	26
28	134	141	145	129	136	143	28
30	133	138	142	128	136	142	30
32	133	134	138	128	136	138	32
34	132	131	135	127	134	135	34
36	130	127	132	124	131	132	36
38	126	125	129	121	128	129	38
40	120	122	125	118	125	125	40
44	115	116	120	115	119	121	44
48	109	110	115	110	114	116	48
52	103	105	111	105	109	111	52
56	99.3	99.6	107	101	104	107	56
60	95.3	95.2	102	96.3	99.1	103	60
64	91.8	90.9	99.6	92.4	94.9	99.6	64
68	88.4	87.0	94.7	87.4	90.8	93.5	68
72	83.9	83.5	87.3	82.7	86.8	86.1	72
76	78.3	80.5	80.8	77.2	80.2	79.6	76
80	72.5	75.4	74.8	71.4	74.2	73.6	80
84	67.2	70.0	69.4	66.2	68.9	68.2	84
88	62.4	65.1	64.5	61.3	64.0	63.3	88
92	58.0	60.6	60.1	57.0	59.5	58.9	92
96	54.0	56.5	55.9	52.9	55.4	54.7	96
100	50.3	52.5	51.9	49.3	51.4	50.7	100
104	46.8	48.8	48.2	45.8	47.7	47.0	104
108	43.7	45.3	44.7	42.6	44.2	43.5	108
112	40.7	42.1	41.5	39.7	41.0	40.3	112
116	37.9	39.1	38.5	36.8	38.0	37.3	116
120	34.7	36.3	35.7	34.3	35.2	34.5	120
124			32.6	31.9	32.6	31.9	124

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 13/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 15°

Radius (m)	Boom 132m			Boom 135m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
18	124	130	135	118	123	130	18
19	124	130	135	118	123	130	19
20	124	130	137	118	123	130	20
22	124	130	137	118	123	128	22
24	124	130	136	118	123	128	24
26	123	130	136	117	123	128	26
28	123	130	135	117	123	128	28
30	122	130	135	117	123	128	30
32	122	130	135	116	123	128	32
34	121	130	135	115	123	128	34
36	120	130	134	114	123	128	36
38	117	129	131	112	122	128	38
40	115	128	129	110	121	128	40
44	113	122	123	108	120	124	44
48	109	117	118	105	118	118	48
52	106	113	113	102	114	114	52
56	102	108	109	99.2	110	110	56
60	97.8	104	105	95.5	106	106	60
64	93.8	98.8	101	91.7	100	99.8	64
68	88.4	93.3	92.7	87.1	92.2	91.5	68
72	82.9	86.0	85.4	81.8	84.9	84.2	72
76	76.5	79.4	78.8	75.5	78.3	77.6	76
80	70.7	73.5	72.9	69.7	72.4	71.7	80
84	65.5	68.1	67.5	64.4	67.0	66.3	84
88	60.7	63.2	62.6	59.6	62.1	61.4	88
92	56.3	58.7	58.2	55.2	57.6	57.0	92
96	52.2	54.6	54.0	51.2	53.5	52.9	96
100	48.5	50.7	50.0	47.4	49.5	48.8	100
104	45.1	46.9	46.3	44.0	45.8	45.1	104
108	41.8	43.5	42.8	40.9	42.4	41.6	108
112	38.9	40.3	39.6	37.8	39.2	38.4	112
116	36.2	37.3	36.6	35.1	36.2	35.4	116
120	33.5	34.5	33.8	32.5	33.4	32.6	120
124	31.2	31.9	31.2	30.1	30.7	30.0	124
128	28.8	29.4	28.7	27.8	28.3	27.5	128

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 14/27							
Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 15°							
Radius (m)	Boom 138m			Boom 141m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
19	112	116	124	107	111	118	19
20	112	116	123	107	111	118	20
22	111	116	123	106	111	118	22
24	111	116	123	106	111	118	24
26	110	116	123	105	111	118	26
28	110	116	123	105	110	118	28
30	109	116	123	105	110	118	30
32	109	116	123	104	110	118	32
34	108	115	123	103	109	118	34
36	107	114	123	102	108	118	36
38	106	114	123	101	108	118	38
40	104	113	123	100	107	117	40
44	102	111	122	98.3	106	116	44
48	101	110	119	97.3	104	115	48
52	99.3	108	114	95.3	103	113	52
56	97.3	105	110	93.8	101	110	56
60	94.4	101	106	91.4	99.7	106	60
64	91.4	96.8	99.5	88.8	98.2	98.3	64
68	86.8	92.4	91.2	85.1	91.2	90.0	68
72	80.3	85.0	83.9	80.9	83.9	82.7	72
76	74.0	78.5	77.3	74.5	77.4	76.2	76
80	68.3	72.6	71.4	68.7	71.4	70.2	80
84	63.2	67.2	66.0	62.4	66.1	64.9	84
88	58.5	62.3	61.2	55.7	61.2	60.0	88
92	54.2	57.8	56.7	51.5	56.7	55.5	92
96	50.2	53.7	52.6	47.7	52.6	51.4	96
100	46.6	49.9	48.6	44.2	48.8	47.5	100
104	43.2	46.2	44.9	41.0	45.1	43.7	104
108	40.1	42.7	41.5	37.9	41.6	40.3	108
112	37.2	39.5	38.2	35.1	38.4	37.1	112
116	34.5	36.5	35.3	32.5	35.4	34.1	116
120	31.0	33.8	32.5	29.0	32.7	31.3	120
124	27.6	31.1	29.8	24.7	30.0	28.7	124
128	24.4	28.7	27.4	19.3	27.6	26.2	128
132	19.1	26.4	25.1	13.1	25.3	23.9	132
136					23.1	21.7	136

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 15/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 15°

Radius (m)	Boom 144m			Boom 147m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
19	101	105	112	96.2	99.9	107	19
20	101	105	112	96.2	99.8	107	20
22	100	105	112	95.9	99.8	107	22
24	100	105	112	95.7	99.2	107	24
26	99.9	105	112	95.4	98.6	107	26
28	99.7	104	112	95.2	98.0	107	28
30	99.4	103	112	94.9	97.4	107	30
32	99.0	103	112	94.6	96.8	107	32
34	98.7	102	112	94.4	96.2	107	34
36	98.2	101	112	93.9	95.5	106	36
38	97.7	101	112	92.5	94.9	106	38
40	96.7	100	111	91.2	94.3	105	40
44	95.0	98.6	110	88.7	93.0	104	44
48	93.2	97.2	109	87.1	91.7	103	48
52	91.2	95.8	107	85.0	90.4	101	52
56	88.8	94.4	106	83.2	89.0	100	56
60	86.2	92.9	105	81.4	87.8	98.8	60
64	83.3	91.5	97.5	78.9	86.6	96.3	64
68	80.6	90.0	89.3	76.7	85.3	88.1	68
72	76.4	83.1	82.0	73.5	81.9	80.8	72
76	71.5	76.6	75.4	69.6	75.3	74.2	76
80	66.4	70.7	69.5	64.3	69.4	68.3	80
84	61.3	65.3	64.1	59.4	64.0	62.9	84
88	56.4	60.4	59.2	54.9	59.2	58.1	88
92	51.6	55.9	54.8	50.3	54.7	53.6	92
96	47.4	51.8	50.7	46.2	50.6	49.5	96
100	43.5	48.1	46.8	42.0	46.8	45.6	100
104	39.6	44.4	43.0	38.3	43.1	41.8	104
108	36.2	40.9	39.6	34.7	39.6	38.4	108
112	32.8	37.7	36.4	30.4	36.4	35.2	112
116	28.0	34.7	33.4	26.3	33.4	32.2	116
120	24.0	31.9	30.6	21.1	30.7	29.4	120
124	20.2	29.3	28.0	15.5	28.0	26.8	124
128	14.5	26.9	25.5	9.2	25.6	24.3	128
132	7.9	24.5	23.2		23.3	22.0	132
136		22.4	21.0		21.1	19.8	136
140					19.0	17.8	140

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 16/27							
Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 15°							
Radius (m)	Boom 150m			Boom 153m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
20	88.7	93.7	102	83.7	87.7	96.9	20
22	88.1	93.1	102	83.3	88.0	96.5	22
24	87.4	92.5	102	82.8	87.4	96.0	24
26	86.8	91.9	101	82.2	86.8	95.9	26
28	86.1	91.2	101	81.5	86.2	95.3	28
30	85.5	90.6	100	80.9	85.5	95.0	30
32	84.9	90.0	99.7	80.2	84.9	94.4	32
34	84.2	89.3	99.1	79.6	84.3	93.8	34
36	83.6	88.9	98.5	79.0	83.7	93.2	36
38	82.9	88.3	97.9	78.3	83.0	92.7	38
40	82.5	87.7	97.3	77.7	82.4	92.1	40
44	81.2	86.4	96.1	76.5	81.2	91.0	44
48	80.0	85.2	95.2	75.3	80.0	89.8	48
52	78.8	84.0	94.1	74.2	78.8	88.7	52
56	77.6	82.7	92.9	73.0	77.7	87.6	56
60	76.4	81.5	91.8	71.9	76.5	86.5	60
64	75.3	80.3	90.7	70.8	75.4	85.4	64
68	74.1	79.1	87.8	69.7	74.3	84.3	68
72	73.0	77.9	80.4	68.7	73.2	79.2	72
76	71.8	75.6	73.9	67.6	72.1	72.7	76
80	70.7	69.7	68.0	66.6	68.6	66.8	80
84	65.4	64.3	62.6	64.3	63.2	61.4	84
88	60.5	59.4	57.7	59.5	58.3	56.5	88
92	56.1	55.0	53.3	55.0	53.9	52.1	92
96	52.0	50.9	49.2	50.9	49.8	48.0	96
100	48.2	47.1	45.4	47.1	46.0	44.2	100
104	44.7	43.5	41.6	43.7	42.4	40.4	104
108	41.3	40.1	38.2	40.3	39.0	37.0	108
112	38.1	36.9	35.0	37.1	35.8	33.8	112
116	35.1	33.9	32.0	34.1	32.8	30.8	116
120	32.3	31.1	29.2	31.3	30.0	28.0	120
124	29.7	28.5	26.6	28.7	27.4	25.4	124
128	27.3	26.0	24.1	26.2	25.0	22.9	128
132	25.0	23.7	21.8	23.9	22.7	20.6	132
136	22.8	21.6	19.6	21.8	20.5	18.4	136
140	20.8	19.5	17.6	19.7	18.4	16.4	140
144	18.8	17.6	15.6	17.8	16.5	14.4	144

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 17/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 15°

Radius (m)	Boom 156m			Boom 159m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
20	79.2	83.2	91.7				20
22	78.9	83.0	91.6	75.2	78.1	86.6	22
24	78.2	82.4	91.5	74.6	77.5	86.1	24
26	77.6	81.8	91.0	74.0	76.8	85.5	26
28	76.9	81.1	90.4	73.4	76.1	84.9	28
30	76.3	80.5	89.9	72.8	75.5	84.4	30
32	75.6	79.8	89.3	72.2	74.8	83.8	32
34	75.0	79.2	88.7	71.6	74.4	83.2	34
36	74.4	78.6	88.2	71.0	73.7	82.6	36
38	73.7	78.0	87.6	70.3	73.1	82.0	38
40	73.1	77.3	87.0	69.7	72.5	81.4	40
44	71.9	76.1	85.9	68.5	71.3	80.3	44
48	70.8	75.0	84.8	67.5	70.2	79.2	48
52	69.6	74.0	83.7	66.4	69.0	78.3	52
56	68.7	72.9	82.6	65.3	68.0	77.3	56
60	67.6	71.8	81.6	64.2	66.9	76.2	60
64	66.6	70.8	80.5	63.1	65.9	75.2	64
68	65.6	69.7	79.4	62.1	64.8	74.2	68
72	64.6	68.7	78.4	61.0	63.9	73.2	72
76	63.6	67.6	71.9	57.8	63.0	70.8	76
80	62.6	66.6	66.0	52.3	62.1	64.9	80
84	61.7	62.4	60.7	47.7	61.1	59.5	84
88	58.7	57.5	55.8	43.7	56.5	54.6	88
92	54.2	53.1	51.3	39.3	52.0	50.2	92
96	50.1	49.0	47.2	35.8	47.9	46.1	96
100	46.4	45.2	43.5	32.2	44.1	42.3	100
104	42.9	41.7	39.7	29.3	40.6	38.5	104
108	39.5	38.2	36.3	26.5	37.1	35.1	108
112	36.3	35.0	33.0	23.2	33.9	31.9	112
116	33.3	32.1	30.1	20.6	31.0	28.9	116
120	30.5	29.3	27.3	18.6	28.2	26.1	120
124	27.9	26.7	24.7	16.1	25.6	23.5	124
128	25.5	24.2	22.2	13.7	23.1	21.0	128
132	23.2	21.9	19.9	11.4	20.8	18.7	132
136	21.0	19.7	17.7	9.6	18.6	16.6	136
140	19.0	17.7	15.7	7.9	16.6	14.5	140
144	17.0	15.8	13.7	5.8	14.7	12.6	144
148	15.2	13.9	11.9		12.8	10.7	148

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 18/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 15°

Radius (m)	Boom 162m		Boom 165m		Radius (m)
	HJFJDB_5	HJFJDB_7	HJFJDB_5	HJFJDB_7	
22	74.2	83.8	69.9	79.2	22
24	73.6	83.3	69.4	78.8	24
26	73.1	82.9	68.8	78.3	26
28	72.5	82.4	68.3	77.9	28
30	72.0	81.9	67.7	77.4	30
32	71.4	81.5	67.1	77.0	32
34	70.9	81.0	66.6	76.5	34
36	70.5	80.5	66.0	76.0	36
38	70.0	80.0	65.5	75.6	38
40	69.5	79.5	65.0	75.3	40
44	68.4	78.6	63.9	74.4	44
48	67.4	77.7	63.0	73.5	48
52	66.5	76.7	62.1	72.6	52
56	65.5	76.0	61.1	71.7	56
60	64.6	75.1	60.3	70.7	60
64	63.7	74.2	59.4	69.8	64
68	62.8	73.3	58.6	68.9	68
72	61.9	72.4	57.8	68.0	72
76	61.0	71.0	56.9	67.1	76
80	60.2	65.1	56.1	64.0	80
84	59.4	59.8	55.3	58.6	84
88	56.9	54.9	54.5	53.8	88
92	52.4	50.5	51.4	49.3	92
96	48.4	46.4	47.3	45.2	96
100	44.6	42.6	43.5	41.4	100
104	41.1	39.0	40.0	37.9	104
108	37.8	35.6	36.7	34.4	108
112	34.6	32.3	33.5	31.2	112
116	31.6	29.4	30.5	28.2	116
120	28.8	26.6	27.7	25.4	120
124	26.2	24.0	25.1	22.8	124
128	23.8	21.5	22.7	20.3	128
132	21.5	19.2	20.4	18.0	132
136	19.3	17.0	18.2	15.9	136
140	17.3	15.0	16.2	13.8	140
144	15.3	13.1	14.3	11.9	144
148	13.5	11.2	12.4	10.1	148
152	11.8	9.5	10.7	8.3	152
156			9.0	6.7	156

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 19/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 20°

Radius (m)	Boom 114m			Boom 117m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
18	129	130	133	130	131	133	18
19	127	127	132	127	128	131	19
20	125	126	130	125	126	129	20
22	121	122	127	121	122	126	22
24	117	118	124	118	118	123	24
26	114	115	120	114	115	120	26
28	110	111	117	111	112	118	28
30	107	107	114	108	109	115	30
32	104	104	112	105	106	112	32
34	100	100	109	101	102	110	34
36	96.6	96.8	107	97.6	97.9	107	36
38	93.2	93.2	104	94.2	94.5	105	38
40	89.7	89.7	102	90.7	90.7	102	40
44	85.8	85.8	98.5	86.7	86.7	98.2	44
48	81.8	81.8	94.3	83.1	83.5	95.1	48
52	78.9	78.9	91.1	79.9	79.9	91.9	52
56	76.2	76.7	87.9	76.9	76.9	88.7	56
60	73.6	73.8	84.8	74.3	74.7	85.6	60
64	71.1	71.5	82.6	71.5	71.7	83.0	64
68	68.8	68.8	80.0	69.6	69.9	80.4	68
72	66.6	66.9	77.4	67.6	67.8	77.5	72
76	64.7	64.9	75.3	65.7	65.7	74.6	76
80	63.0	63.5	73.8	64.0	64.5	72.6	80
84	61.5	60.8	72.2	62.3	63.9	70.3	84
88	60.3	59.4	68.4	60.8	62.0	67.3	88
92	57.9	57.6	63.9	58.1	60.3	62.8	92
96	55.8	56.7	59.6	55.8	58.8	58.4	96
100	53.1	55.8	55.5	52.0	54.7	54.4	100
104	49.6	52.1	51.8	48.6	51.0	50.6	104
108	46.4	48.6	48.3	45.4	47.5	47.1	108
112	43.4	45.3	45.0	42.3	44.2	43.9	112

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 20/27							
Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 20°							
Radius (m)	Boom 120m			Boom 123m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
18	130	133	132	130	133	136	18
19	128	132	132	128	131	134	19
20	126	130	131	126	130	132	20
22	122	126	128	123	127	129	22
24	118	123	124	119	124	125	24
26	115	120	121	116	121	123	26
28	112	118	119	113	118	120	28
30	109	114	116	110	115	117	30
32	105	112	114	107	113	114	32
34	101	110	111	103	111	112	34
36	97.1	107	109	99.1	108	109	36
38	94.2	105	106	95.6	106	107	38
40	91.1	103	105	92.1	104	105	40
44	87.5	98.6	99.8	88.2	100	101	44
48	83.9	95.5	95.8	84.6	96.2	97.3	48
52	80.4	91.5	91.1	81.3	92.5	93.6	52
56	77.7	87.1	86.9	78.4	89.5	90.6	56
60	75.1	83.3	83.1	75.8	86.6	86.6	60
64	72.5	79.9	79.7	73.0	83.4	83.0	64
68	70.2	77.0	76.1	71.1	80.2	79.9	68
72	68.1	74.1	73.3	69.1	77.4	76.8	72
76	66.2	71.3	71.0	67.1	74.7	74.1	76
80	64.5	69.0	68.7	65.2	72.0	71.9	80
84	62.8	67.1	66.5	63.5	70.2	69.4	84
88	60.3	65.3	64.7	60.5	65.7	65.4	88
92	57.9	62.3	62.0	58.1	61.2	60.9	92
96	55.1	58.1	57.8	54.0	57.0	56.6	96
100	51.4	54.1	53.7	50.3	52.9	52.6	100
104	47.9	50.3	50.0	46.8	49.2	48.8	104
108	44.7	46.8	46.5	43.6	45.7	45.3	108
112	41.7	43.6	43.2	40.6	42.5	42.1	112
116	38.8	40.5	40.2	37.8	39.4	39.1	116
120				35.2	36.6	36.2	120

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 21/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 20°

Radius (m)	Boom 126m			Boom 129m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
19	127	133	134	125	133	133	19
20	127	131	132	125	133	131	20
22	123	128	130	124	129	128	22
24	120	126	126	120	127	125	24
26	116	122	123	117	124	123	26
28	113	120	121	114	120	120	28
30	110	117	118	111	118	117	30
32	107	115	115	108	116	115	32
34	103	112	113	105	113	113	34
36	99.2	110	110	100	111	110	36
38	95.8	108	108	96.8	109	108	38
40	92.6	106	106	93.6	107	106	40
44	89.0	101	102	89.7	103	102	44
48	85.4	97.9	98.2	86.0	99.1	98.4	48
52	81.8	94.4	94.6	82.8	95.8	95.0	52
56	79.2	91.8	91.9	79.9	92.4	91.7	56
60	76.5	88.4	88.4	77.1	89.7	89.1	60
64	74.0	85.8	85.7	74.5	86.5	86.6	64
68	71.6	83.2	83.0	72.1	83.9	84.0	68
72	69.6	81.4	79.6	70.1	82.1	81.5	72
76	67.6	78.9	77.1	68.1	79.6	79.8	76
80	65.7	75.7	74.6	66.4	74.6	74.0	80
84	63.0	70.3	69.7	63.7	69.2	68.5	84
88	60.7	65.3	64.8	60.6	64.2	63.6	88
92	57.1	60.8	60.3	57.2	59.7	59.1	92
96	53.1	56.7	56.1	53.2	55.6	54.9	96
100	49.5	52.7	52.1	49.5	51.6	50.9	100
104	46.1	48.9	48.3	46.0	47.8	47.1	104
108	42.9	45.4	44.8	42.8	44.3	43.6	108
112	40.0	42.2	41.6	39.8	41.1	40.4	112
116	37.3	39.2	38.6	37.0	38.1	37.4	116
120	34.7	36.4	35.7	34.4	35.3	34.6	120
124				31.9	32.6	31.9	124

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 22/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 20°

Radius (m)	Boom 132m			Boom 135m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
19	120	127	131	115	121	126	19
20	120	127	131	115	121	126	20
22	120	127	128	115	121	126	22
24	120	127	125	114	121	126	24
26	117	124	123	114	121	123	26
28	114	122	121	114	121	121	28
30	111	119	118	112	120	119	30
32	108	116	116	109	117	117	32
34	104	114	114	106	115	114	34
36	101	112	112	101	113	112	36
38	97.6	110	110	98.0	110	110	38
40	94.1	108	108	95.1	108	108	40
44	90.5	104	104	91.1	104	104	44
48	86.8	99.6	99.8	87.5	101	100	48
52	83.3	96.4	96.6	84.3	97.6	97.1	52
56	80.4	93.1	93.5	81.3	93.9	94.1	56
60	77.9	89.9	90.3	78.5	91.6	91.0	60
64	75.6	87.5	88.0	76.0	88.6	88.2	64
68	73.1	85.0	85.6	73.6	85.6	85.9	68
72	70.9	82.6	83.2	71.5	83.3	83.6	72
76	68.6	79.8	79.2	69.6	78.7	78.0	76
80	65.9	73.8	73.2	66.6	72.7	72.1	80
84	63.7	68.4	67.8	63.7	67.3	66.7	84
88	60.3	63.5	62.9	59.9	62.4	61.7	88
92	56.5	59.0	58.4	55.5	57.9	57.2	92
96	52.4	54.9	54.3	51.5	53.7	53.1	96
100	48.7	50.9	50.2	47.7	49.8	49.0	100
104	45.3	47.1	46.5	44.2	46.0	45.3	104
108	42.0	43.6	43.0	41.1	42.5	41.8	108
112	39.1	40.4	39.8	38.0	39.3	38.6	112
116	36.3	37.4	36.7	35.3	36.3	35.6	116
120	33.7	34.6	33.9	32.6	33.5	32.7	120
124	31.3	31.9	31.3	30.2	30.8	30.1	124
128	28.9	29.4	28.8	27.9	28.3	27.6	128

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 23/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 20°

Radius (m)	Boom 138m			Boom 141m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
20	110	115	121	105	109	116	20
22	110	114	121	105	109	116	22
24	110	114	121	105	109	116	24
26	109	114	121	104	109	116	26
28	109	114	121	104	109	116	28
30	108	114	119	104	109	116	30
32	107	114	117	103	109	116	32
34	105	114	114	102	109	115	34
36	101	113	112	98.8	109	113	36
38	97.8	110	110	97	108	110	38
40	94.6	108	108	94	107	108	40
44	91.1	104	105	92.1	105	104	44
48	88	100	101	88.8	101	101	48
52	84.8	97.2	97.3	85.3	98.3	97.7	52
56	82	94.1	94.3	82.5	94.7	94.8	56
60	80.4	91	91.3	79.5	92.3	91.9	60
64	79.2	88.6	89	76.9	89.4	89	64
68	77.5	85.6	86.7	74.6	86.6	86.7	68
72	75.4	83.8	83.8	72.5	84.3	83.2	72
76	72.1	78.9	77.7	69.6	77.8	76.6	76
80	68.1	72.9	71.8	66.2	71.8	70.6	80
84	64.5	67.5	66.4	62.9	66.4	65.2	84
88	59.3	62.6	61.5	57.8	61.5	60.3	88
92	54.7	58.1	57	53.2	57	55.8	92
96	50.1	54	52.8	48.9	52.9	51.7	96
100	46.2	50.1	48.9	44.7	49	47.7	100
104	42.3	46.4	45.1	40.9	45.3	43.9	104
108	38.7	42.9	41.6	37.4	41.8	40.5	108
112	35.6	39.7	38.4	34.1	38.6	37.2	112
116	32.6	36.7	35.4	31.2	35.6	34.2	116
120	30.1	33.9	32.6	28.5	32.8	31.4	120
124	26.8	31.2	29.9	24.1	30.1	28.8	124
128	23.8	28.8	27.5	19.8	27.7	26.3	128
132	19.6	26.4	25.1	13.5	25.3	23.9	132
136					23.1	21.7	136

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 24/27							
Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 20°							
Radius (m)	Boom 144m			Boom 147m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
20	99.2	104	111	94.7	99.5	106	20
22	98.7	103	111	94.2	98.8	106	22
24	98.7	103	111	94.2	98.3	105	24
26	98.7	103	111	94.2	98.3	105	26
28	98.2	103	111	93.7	97.8	105	28
30	98.2	103	111	93.3	97.2	105	30
32	97.5	103	111	93.1	96.7	105	32
34	96.4	102	111	92.3	96.1	105	34
36	95.3	101	111	90.8	95.5	105	36
38	94.2	101	110	90.5	94.9	105	38
40	93	100	109	89.2	94.3	105	40
44	91.1	98.9	105	87.2	93.2	104	44
48	89.2	97.6	101	85.4	92	102	48
52	86.2	96.3	97.9	83.8	90.7	99	52
56	83.2	94.9	94.5	82.1	89.5	95.7	56
60	80.5	92.1	92.2	80	88.5	92.9	60
64	77.9	89.7	89.4	78.4	87.2	90.2	64
68	75.6	87.4	87.1	75.8	86	88	68
72	72.3	83.6	82.4	73.5	82.3	81.3	72
76	69.5	77	75.8	69.6	75.7	74.7	76
80	65.4	71	69.9	64.8	69.8	68.7	80
84	61.7	65.6	64.5	59.8	64.4	63.3	84
88	56.8	60.7	59.6	54.9	59.5	58.4	88
92	52.1	56.2	55.1	50.6	55	53.9	92
96	47.5	52.1	50.9	46.4	50.9	49.8	96
100	43.6	48.3	47	42.2	47.1	45.8	100
104	39.8	44.6	43.3	38.4	43.3	42.1	104
108	36.4	41.1	39.8	34.9	39.8	38.6	108
112	33	37.9	36.5	31.6	36.6	35.4	112
116	30	34.9	33.5	27.5	33.6	32.4	116
120	26.3	32.1	30.7	22.7	30.8	29.5	120
124	21.7	29.4	28.1	17.1	28.2	26.9	124
128	16.1	26.9	25.6	9.3	25.7	24.4	128
132	9.6	24.6	23.3		23.4	22.1	132
136		22.4	21.1		21.2	19.9	136
140					19.1	17.8	140

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 25/27

Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 20°

Radius (m)	Boom 150m			Boom 153m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
22	87.8	92.2	100	83	87.4	94.9	22
24	87.2	92.1	99.9	82.4	87.1	94.5	24
26	86.6	91.6	99.5	82	86.5	94.5	26
28	86	91	99.5	81.4	85.9	94.5	28
30	85.4	90.4	99.5	80.8	85.4	94.4	30
32	84.8	89.8	99.4	80.2	84.8	94.1	32
34	84.2	89.5	98.9	79.6	84.2	93.6	34
36	83.6	88.9	98.3	79	83.6	93.1	36
38	83	88.3	97.8	78.4	83	92.5	38
40	82.4	87.7	97.2	77.8	82.4	92	40
44	81.2	86.6	96.1	76.7	81.3	91	44
48	80.3	85.4	95.3	75.5	80.2	89.9	48
52	79.1	84.3	94.2	74.5	79.1	88.9	52
56	78	83.1	93.2	73.4	77.9	87.8	56
60	76.9	81.9	92.1	72.3	76.9	86.8	60
64	75.7	80.8	91	71.2	75.8	85.7	64
68	74.6	79.6	88.3	70.2	74.7	84.7	68
72	73.5	78.5	80.9	69.1	73.6	79.7	72
76	72.4	76	74.3	68.1	72.6	73.1	76
80	71.1	70.1	68.4	67.1	69	67.2	80
84	65.8	64.7	63	64.7	63.6	61.8	84
88	60.8	59.8	58.1	59.8	58.7	56.9	88
92	56.4	55.3	53.6	55.3	54.2	52.4	92
96	52.2	51.2	49.5	51.2	50.1	48.3	96
100	48.4	47.4	45.6	47.4	46.3	44.4	100
104	44.9	43.8	41.9	43.9	42.7	40.7	104
108	41.5	40.3	38.4	40.5	39.2	37.2	108
112	38.3	37.1	35.2	37.3	36	34	112
116	35.3	34.1	32.2	34.3	33	31	116
120	32.5	31.3	29.3	31.5	30.2	28.2	120
124	29.9	28.6	26.7	28.8	27.5	25.5	124
128	27.4	26.2	24.2	26.4	25.1	23	128
132	25.1	23.8	21.9	24.1	22.8	20.7	132
136	22.9	21.6	19.7	21.9	20.6	18.5	136
140	20.8	19.6	17.6	19.8	18.5	16.5	140
144	18.9	17.6	15.7	17.8	16.5	14.5	144

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 26/27							
Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 20°							
Radius (m)	Boom 156m			Boom 159m			Radius (m)
	HJFJDB_4	HJFJDB_5	HJFJDB_7	HJFJDB_4	HJFJDB_5	HJFJDB_7	
22	78.3	82.2	90.5	74.8	77.5	85.4	22
24	78.1	82.1	90.2	74.6	77.3	85.3	24
26	77.4	81.6	90.2	74	76.6	85.2	26
28	76.8	81	90.1	73.5	76	84.7	28
30	76.2	80.4	89.6	72.9	75.4	84.1	30
32	75.6	79.7	89.1	72.3	74.9	83.6	32
34	75	79.1	88.6	71.7	74.1	83	34
36	74.4	78.6	88.1	71.1	73.5	82.5	36
38	73.8	78	87.5	70.5	73.1	82	38
40	73.2	77.4	87	69.9	72.5	81.4	40
44	72	76.2	85.9	68.7	71.4	80.3	44
48	70.9	75.1	84.9	67.8	70.3	79.3	48
52	70	74	83.9	66.7	69.2	78.4	52
56	69	73.2	82.9	65.6	68.1	77.4	56
60	67.9	72.1	81.8	64.5	67.1	76.5	60
64	66.9	71.1	80.8	63.5	66.1	75.5	64
68	65.9	70.1	79.8	62.5	65.1	74.5	68
72	65	69.1	78.8	61.5	64.2	73.5	72
76	64	68	72.4	58.2	63.4	71.2	76
80	63.1	67.1	66.5	52.7	62.4	65.3	80
84	62.1	62.8	61.1	48	61.5	59.9	84
88	59	57.9	56.2	44.1	56.8	55	88
92	54.5	53.4	51.7	39.7	52.3	50.5	92
96	50.4	49.3	47.6	36	48.2	46.4	96
100	46.6	45.5	43.7	32.5	44.4	42.6	100
104	43.1	41.9	40	29.6	40.9	38.8	104
108	39.7	38.5	36.5	26.8	37.4	35.3	108
112	36.5	35.2	33.3	23.5	34.2	32.1	112
116	33.5	32.2	30.3	20.8	31.2	29.1	116
120	30.7	29.4	27.5	18.8	28.4	26.3	120
124	28.1	26.8	24.8	16.3	25.7	23.7	124
128	25.6	24.3	22.3	13.9	23.3	21.2	128
132	23.3	22	20	11.5	20.9	18.9	132
136	21.1	19.8	17.8	9.7	18.8	16.7	136
140	19.1	17.8	15.8	8	16.7	14.6	140
144	17.1	15.8	13.8	5.9	14.7	12.6	144
148	15.2	14	11.9		12.9	10.8	148
152					11.1	9	152

Unit: t

Load Chart of HJFJDB Configuration

SCC6500A Crawler Crane - Load Chart of HJFJDB Configuration 27/27

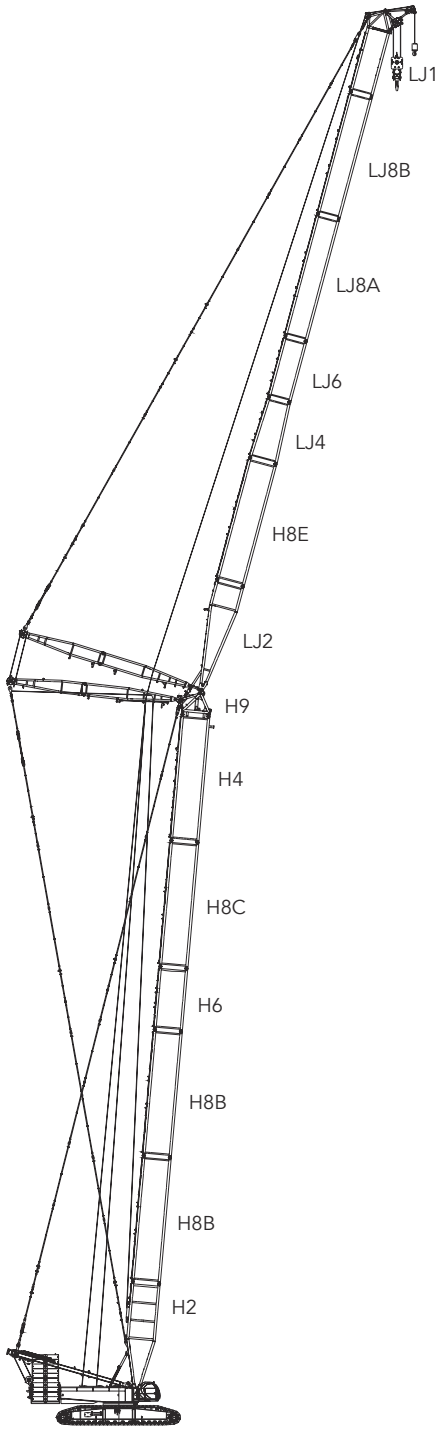
Jib length 12m, the superlift radius 19m, the center counterweight 60t, the rear counterweight 210t, the superlift counterweight 0-310t, boom to jib angle 20°

Radius (m)	Boom 162m		Boom 165m		Radius (m)
	HJFJDB_5	HJFJDB_7	HJFJDB_5	HJFJDB_7	
22	74	82.5	69.8	78.5	22
24	73.5	82.6	69.3	78.5	24
26	72.9	82.6	68.7	78.1	26
28	72.4	82.2	68.2	77.7	28
30	71.9	81.7	67.6	77.2	30
32	71.4	81.3	67.1	76.8	32
34	71	80.9	66.6	76.4	34
36	70.3	80.4	66	76	36
38	70	79.9	65.5	75.6	38
40	69.5	79.5	65	75.1	40
44	68.5	78.6	64	74.3	44
48	67.6	77.7	63	73.6	48
52	66.6	76.8	62.3	72.7	52
56	65.7	76	61.2	71.9	56
60	64.8	75.3	60.5	71	60
64	64	74.5	59.7	70.1	64
68	63.1	73.6	58.8	69.3	68
72	62.3	72.8	58	68.4	72
76	61.4	71.5	57.2	67.5	76
80	60.6	65.6	56.4	64.4	80
84	59.9	60.2	55.6	59.1	84
88	57.3	55.3	54.8	54.2	88
92	52.8	50.8	51.7	49.7	92
96	48.7	46.7	47.6	45.6	96
100	44.9	42.9	43.8	41.8	100
104	41.4	39.3	40.3	38.1	104
108	38	35.8	37	34.7	108
112	34.8	32.6	33.7	31.4	112
116	31.8	29.6	30.7	28.4	116
120	29	26.8	27.9	25.6	120
124	26.4	24.1	25.3	23	124
128	23.9	21.7	22.9	20.5	128
132	21.6	19.3	20.5	18.2	132
136	19.4	17.2	18.4	16	136
140	17.4	15.1	16.3	13.9	140
144	15.4	13.1	14.3	12	144
148	13.6	11.3	12.5	10.1	148
152	11.8	9.5	10.7	8.4	152

LJ Boom Combination

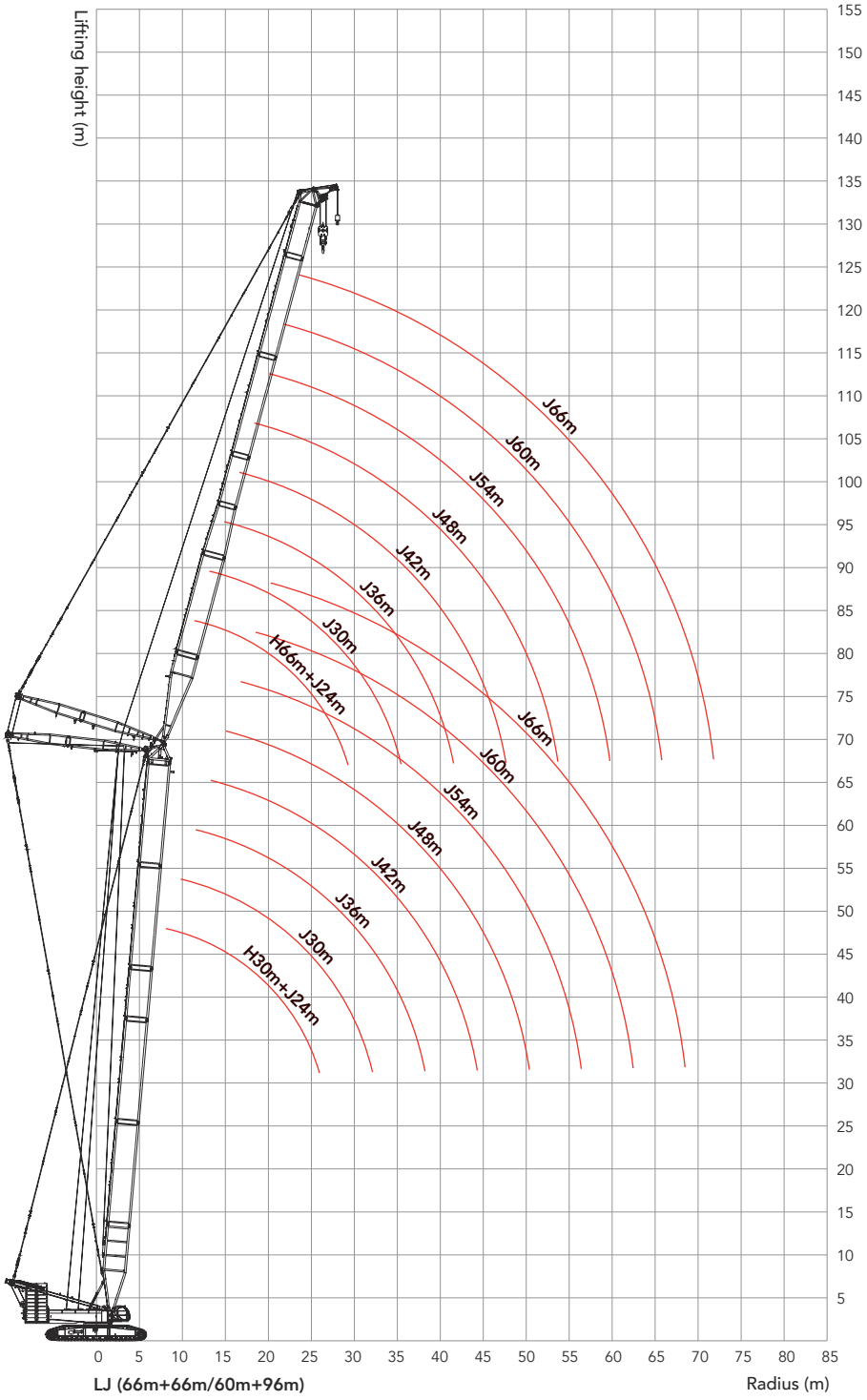
LJ Boom Combination			
Boom length (m)	Boom insert	Jib insert	
	12m	6m	12m
24	—	—	—
30	—	1	—
36	1	—	—
42	1	1	—
48	1	2	—
54	1	1	1
60	1	2	1
66	1	1	2
72	1	2	2
78	1	1	3
84	1	2	3
90*	1	1	4
96*	1	2	4

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



LJ (66m+66m/60m+96m)

LJ Work Radius



Unit: t

Load Chart of LJ Configuration

SCC6500A Crawler Crane - Load Chart of LJ Configuration 1/7														
Main boom 30m, main boom angle 85° , jib length 24-96m, rear counterweight 210t and center counterweight 60t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
13	270													13
14	250	240												14
15	233	224												15
16	219	210	202											16
17	206	198	190											17
18	194	187	180	173										18
19	183	177	171	164	159									19
20	174	168	162	156	151									20
22	158	152	147	142	137	133	128							22
24	144	139	134	130	125	122	118	114						24
26	131	128	124	119	115	112	108	105	102					26
28	119	119	114	110	107	104	100	97.5	94.3	91.7	88.5			28
30		109	106	102	99.1	96.2	93	90.6	87.5	85.1	82.1	79.8		30
32		99.8	98.9	95.6	92.4	89.7	86.7	84.4	81.5	79.2	76.4	74.2	71.5	32
34		91.9	91.3	89.5	86.4	83.9	81	78.9	76.1	74	71.3	69.2	66.6	34
36			84.7	83.5	81.1	78.7	76	73.9	71.3	69.3	66.7	64.7	62.2	36
38			78.7	77.6	76.3	74	71.4	69.5	66.9	65	62.5	60.6	58.2	38
40				72.4	71.4	69.7	67.2	65.4	62.9	61.1	58.7	56.9	54.5	40
44				63.5	62.6	61.9	59.9	58.2	55.9	54.2	52	50.3	48.1	44
48					55.3	54.7	53.6	52.2	50	48.4	46.3	44.7	42.6	48
52						48.6	47.6	47	44.9	43.4	41.4	39.9	37.8	52
56						43.3	42.4	41.9	40.5	39.1	37.1	35.7	33.7	56
60							37.9	37.5	36.4	35.3	33.4	32	30.1	60
64								33.6	32.6	31.9	30.1	28.7	26.8	64
68								30.2	29.2	28.6	27.1	25.8	24	68
72									26.1	25.6	24.5	23.2	21.4	72
76										22.9	21.8	20.8	19	76
80										20.4	19.4	18.6	16.9	80
84											17.2	16.6	15	84
88												14.6	13.2	88
92												12.7	11.6	92
96													10	96

Unit: t

Load Chart of LJ Configuration

SCC6500A Crawler Crane - Load Chart of LJ Configuration 2/7														
Main boom 36m, main boom angle 85° , jib length 24-96m, rear counterweight 210t and center counterweight 60t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
13	257													13
14	239													14
15	223	214												15
16	209	201	194											16
17	197	190	183											17
18	186	179	173	166										18
19	176	170	164	158										19
20	168	162	156	150	145									20
22	152	147	142	137	132	128								22
24	139	134	130	125	121	117	113	110						24
26	128	124	120	115	111	108	105	102	98.2					26
28	118	115	111	107	103	100	96.7	94.1	90.9	88.3				28
30		107	103	99.2	95.8	93	89.9	87.5	84.4	82	79.1	76.8		30
32		99.3	96.2	92.6	89.4	86.8	83.8	81.5	78.7	76.4	73.6	71.4	68.7	32
34		91.5	90.2	86.7	83.7	81.2	78.4	76.2	73.5	71.4	68.7	66.6	64	34
36			84.2	81.4	78.5	76.2	73.5	71.5	68.8	66.8	64.3	62.3	59.8	36
38			78.3	76.7	73.9	71.7	69	67.1	64.6	62.7	60.2	58.3	55.9	38
40			73	72	69.7	67.6	65	63.2	60.8	58.9	56.6	54.7	52.4	40
44				63.1	62.2	60.4	58	56.3	54	52.3	50.1	48.4	46.2	44
48					54.9	54.3	52.1	50.5	48.3	46.7	44.6	43	40.9	48
52						48.3	47	45.5	43.4	41.9	39.8	38.3	36.3	52
56						43	42.1	41.2	39.1	37.7	35.7	34.2	32.3	56
60							37.6	37.2	35.4	34	32	30.6	28.7	60
64								33.4	32.1	30.7	28.8	27.5	25.6	64
68								29.9	28.9	27.8	26	24.6	22.8	68
72									25.9	25.2	23.4	22.1	20.3	72
76										22.7	21.1	19.8	18	76
80										20.2	18.9	17.7	16	80
84											17	15.8	14.1	84
88												14.1	12.3	88
92												12.5	10.8	92
96													9.3	96

Unit: t

Load Chart of LJ Configuration

SCC6500A Crawler Crane - Load Chart of LJ Configuration 3/7

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

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

Unit: t

Load Chart of LJ Configuration

SCC6500A Crawler Crane - Load Chart of LJ Configuration 4/7														
Main boom 48m, main boom angle 85° , jib length 24-96m, rear counterweight 210t and center counterweight 60t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
14	217													14
15	204													15
16	192	185												16
17	181	174												17
18	171	165	159											18
19	163	157	151	146										19
20	155	149	144	139										20
22	141	136	131	126	122	118								22
24	130	125	121	116	112	109	105							24
26	120	116	111	107	103	100	96.9	94.1						26
28	111	107	103	99.4	95.9	93	89.8	87.2	84.1	81.6				28
30		99.9	96.3	92.5	89.3	86.6	83.5	81.2	78.2	75.8	73			30
32		93.5	90	86.5	83.4	80.8	77.9	75.7	72.9	70.7	67.9	65.8		32
34		87.9	84.5	81	78.1	75.7	72.9	70.8	68.1	66.1	63.4	61.4	58.8	34
36			79.5	76.2	73.4	71.1	68.4	66.4	63.8	61.9	59.3	57.4	54.9	36
38			75	71.8	69.1	66.9	64.3	62.4	59.9	58	55.6	53.7	51.3	38
40			71	67.8	65.2	63.1	60.6	58.8	56.3	54.5	52.2	50.4	48	40
44				60.9	58.4	56.4	54	52.4	50.1	48.4	46.2	44.5	42.3	44
48					52.6	50.7	48.5	46.9	44.7	43.2	41	39.4	37.3	48
52					47.7	45.9	43.7	42.3	40.1	38.6	36.6	35.1	33	52
56						41.7	39.6	38.2	36.1	34.7	32.7	31.3	29.3	56
60							35.9	34.6	32.6	31.2	29.3	27.9	26	60
64							32.8	31.4	29.5	28.2	26.3	24.9	23	64
68								28.6	26.7	25.4	23.6	22.2	20.4	68
72									24.2	23	21.1	19.8	18	72
76									22	20.7	18.9	17.7	15.9	76
80										18.7	16.9	15.7	13.9	80
84											15.1	13.9	12.1	84
88												12.2	10.5	88
92												10.7	9	92
96													7.6	96

Unit: t

Load Chart of LJ Configuration

SCC6500A Crawler Crane - Load Chart of LJ Configuration 5/7														
Main boom 54m, main boom angle 85° , jib length 24-96m, rear counterweight 210t and center counterweight 60t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
15	194													15
16	183													16
17	173	167												17
18	164	158	152											18
19	156	151	145											19
20	149	143	138	133										20
22	136	131	126	121	117									22
24	125	120	116	112	108	104	101							24
26	115	111	107	103	99.5	96.4	93	90.3						26
28	107	103	99.6	95.7	92.3	89.4	86.2	83.7	80.6					28
30	100	96.4	92.8	89.1	85.9	83.3	80.2	77.9	74.9	72.7	69.8			30
32		90.3	86.9	83.3	80.3	77.8	74.9	72.7	69.9	67.7	65	62.9		32
34		84.8	81.5	78.1	75.2	72.8	70.1	68	65.3	63.3	60.7	58.6	56.1	34
36		80.1	76.7	73.5	70.7	68.4	65.7	63.8	61.2	59.3	56.7	54.8	52.3	36
38			72.4	69.2	66.5	64.4	61.8	60	57.5	55.6	53.2	51.3	48.9	38
40			68.5	65.4	62.8	60.7	58.2	56.5	54	52.3	49.9	48.1	45.8	40
44				58.7	56.2	54.3	51.9	50.3	48	46.3	44.1	42.4	40.2	44
48					50.7	48.8	46.6	45.1	42.9	41.3	39.2	37.6	35.5	48
52					46	44.1	42	40.5	38.4	36.9	34.9	33.4	31.3	52
56						40.1	38	36.6	34.6	33.1	31.1	29.7	27.7	56
60							34.5	33.1	31.1	29.8	27.8	26.4	24.5	60
64							31.4	30.1	28.1	26.8	24.9	23.5	21.7	64
68								27.4	25.4	24.1	22.3	21	19.1	68
72									23	21.8	19.9	18.6	16.8	72
76									20.8	19.6	17.8	16.5	14.7	76
80										17.6	15.8	14.6	12.8	80
84											14.1	12.8	11.1	84
88											12.5	11.2	9.5	88
92												9.8	8.1	92
96													6.7	96

Unit: t

Load Chart of LJ Configuration

SCC6500A Crawler Crane - Load Chart of LJ Configuration 6/7

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

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

Unit: t

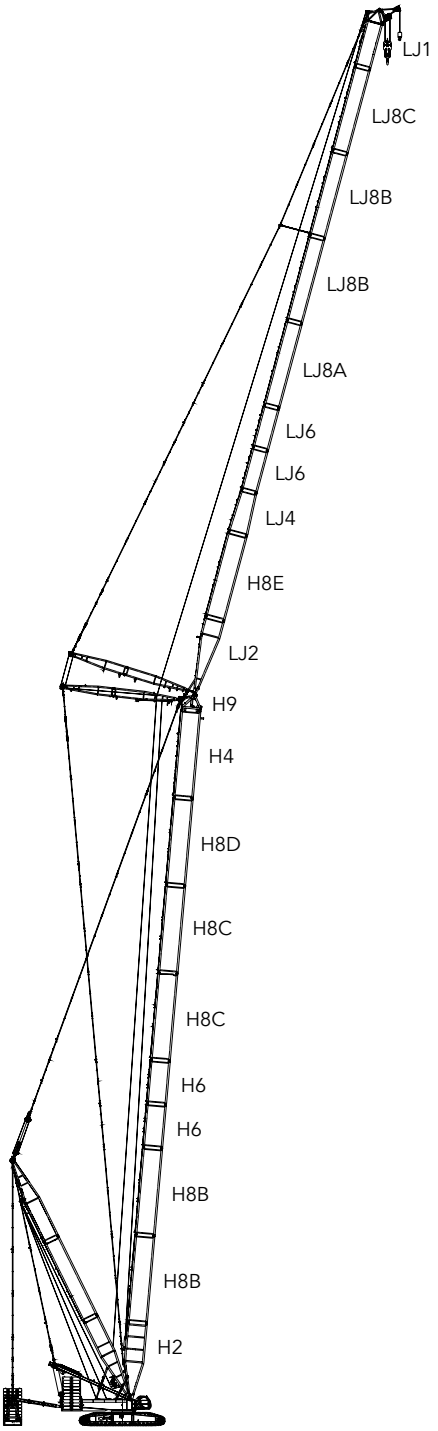
Load Chart of LJ Configuration

SCC6500A Crawler Crane - Load Chart of LJ Configuration 7/7									
Main boom 66m, main boom angle 85° , jib length 24-66m, rear counterweight 210t and center counterweight 60t									
Radius (m)	24	30	36	42	48	54	60	66	Radius (m)
16	167								16
17	158								17
18	150	145							18
19	143	138	133						19
20	137	132	127						20
22	125	121	116	112	108				22
24	115	111	107	103	99	95.8			24
26	107	103	99.1	95.1	91.6	88.6	85.3		26
28	99.3	95.7	92.2	88.4	85.1	82.3	79.1	76.8	28
30	92.8	89.4	86	82.4	79.3	76.7	73.7	71.5	30
32		83.8	80.6	77.1	74.1	71.7	68.8	66.7	32
34		78.8	75.7	72.3	69.5	67.2	64.4	62.5	34
36		74.3	71.2	68	65.3	63.1	60.5	58.6	36
38			67.3	64.1	61.5	59.4	56.8	55	38
40			63.6	60.6	58.1	56	53.6	51.8	40
44				54.4	52	50.1	47.7	46.1	44
48				49.2	46.8	45	42.8	41.3	48
52					42.4	40.6	38.5	37.1	52
56						36.8	34.8	33.4	56
60						33.5	31.5	30.2	60
64							28.6	27.3	64
68								24.7	68

LJDB Boom Combination

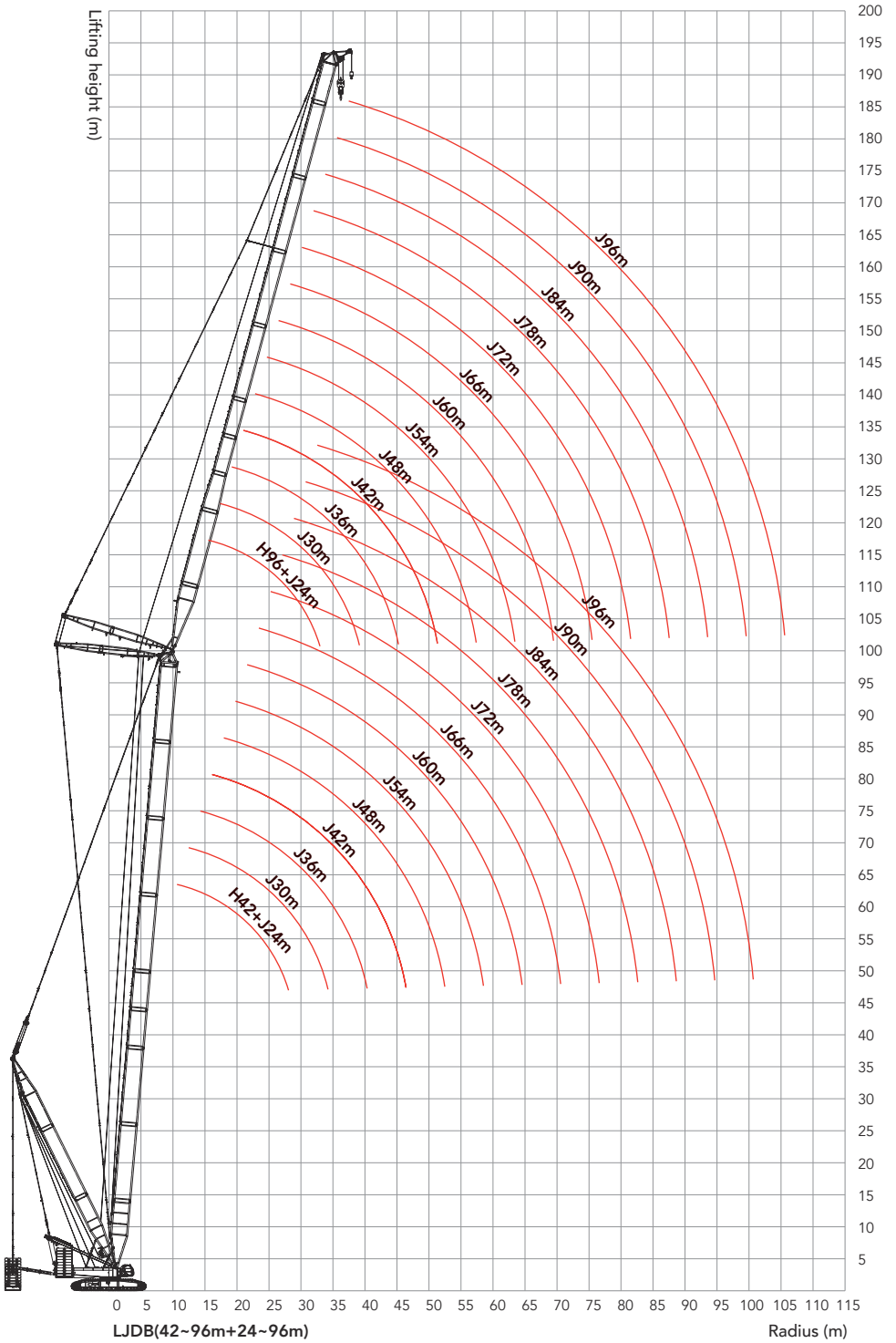
LJDB Boom Combination			
Boom length (m)	Boom insert	Jib insert	
	12m	6m	12m
24	-	-	-
30	-	1	-
36	1	-	-
42	1	1	-
48	1	2	-
54	1	1	1
60	1	2	1
66	1	1	2
72	1	2	2
78	1	1	3
84	1	2	3
90*	1	1	4
96*	1	2	4

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



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

LJDB Work Radius



Unit: t

Load Chart of LJDB Configuration

SCC6500A Crawler Crane - Load Chart of LJDB Configuration 1/10

Main boom 42m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 0~310t, rear counterweight 210t and center counterweight 60t

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

Unit: t

Load Chart of LJDB Configuration

SCC6500A Crawler Crane - Load Chart of LJDB Configuration 2/10

Main boom 48m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 0~310t, rear counterweight 210t and center counterweight 60t

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

Unit: t

Load Chart of LJDB Configuration

SCC6500A Crawler Crane - Load Chart of LJDB Configuration 3/10

Main boom 54m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 0~310t, rear counterweight 210t and center counterweight 60t

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

Unit: t

Load Chart of LJDB Configuration

SCC6500A Crawler Crane - Load Chart of LJDB Configuration 4/10														
Main boom 60m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 0~310t, rear counterweight 210t and center counterweight 60t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
16	300													16
18	292	262												18
20	273	250	230	200										20
22	260	238	220	192	170									22
24	245	227	210	186	165	145								24
26	231	218	205	182	161	141	123	110						26
28	210	207	192	178	157	139	121	106	92.5					28
30	175	197	185	170	155	136	119	104	90.1	76.8				30
32		180	175	165	151	133	118	103	88.0	75.4	65.1			32
34		155	170	158	147	129	115	101	87.4	74.2	64.2	55.5	46.7	34
36		130	160	153	141	126	114	98.8	86.2	73.3	63.3	54.2	45.2	36
38			150	148	138	121	112	97.5	85.1	72.2	62.2	52.8	44.4	38
40			138	138	132	117	110	96.1	84.4	71.2	61.5	53.3	43.6	40
44				120	118	111	98.1	92.2	82.2	68.9	60.4	52.4	42.1	44
48				96.2	104	102	88.5	89.1	78.8	67.8	58.7	51.6	41.4	48
52					90.5	80.4	78.9	84.8	76.5	66.5	57.1	50.5	40.3	52
56						78.9	70.3	77.5	73.4	65.4	55.4	48.5	38.5	56
60							63.2	69.1	67.4	63.2	54.3	47.4	37.4	60
64							61.5	63.0	61.1	60.0	53.2	46.6	36.1	64
68								56.4	56.1	54.3	51.4	41.9	34.6	68
72									50.3	49.4	48.2	38.3	30.3	72
76									45.1	45.2	44.1	34.4	25.9	76
80										40.9	39.3	30.2	23.6	80
84											35.9	27.2	20.2	84
88											32.8	24.4	17.5	88
92												21.8	15.2	92
96													12.7	96
100													10.6	100

Unit: t

Load Chart of LJDB Configuration

SCC6500A Crawler Crane - Load Chart of LJDB Configuration 5/10

Main boom 66m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 0~310t, rear counterweight 210t and center counterweight 60t

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

Unit: t

Load Chart of LJDB Configuration

SCC6500A Crawler Crane - Load Chart of LJDB Configuration 6/10														
Main boom 72m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 0~310t, rear counterweight 210t and center counterweight 60t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
18	235	210												18
20	222	200	180											20
22	212	193	175	159										22
24	202	187	169	155	137	119								24
26	192	180	163	147	136	117	104							26
28	183	171	158	143	130	115	102	92.6						28
30	175	165	152	139	127	113	100.0	89.5	79.6	69.4				30
32		155	145	135	122	110	99.4	88.4	77.5	67.2	58.8			32
34		148	139	129	118	107	97.2	86.3	75.4	65.1	56.2	51.2		34
36		142	135	125	115	104	95.2	85.7	74.3	64.3	55.3	48.9	43.8	36
38			128	121	111	101	92.5	82.9	73.2	63.5	54.3	47.5	41.4	38
40			119	116	108	98.5	90.3	81.7	72.5	62.4	52.9	46.1	40.2	40
44				102	98.8	93.4	85.5	78.5	70.1	61.3	52.1	45.4	38.8	44
48				88.9	87.1	85.2	82.2	75.6	66.7	59.9	50.8	44.3	37.5	48
52					77.2	76.2	74.1	71.4	63.6	58.5	49.6	43.2	35.4	52
56						67.2	66.3	65.1	61.4	56.5	48.8	42.1	34.3	56
60						59.8	59.2	58.4	55.9	54.3	47.5	41.2	33.2	60
64							52.4	51.9	50.7	49.8	45.6	40.4	32.4	64
68								47.3	46.4	44.9	42.3	39.2	31.4	68
72								41.6	41.5	41.5	40.2	38.2	30.2	72
76									38.1	37.2	36.3	35.2	27.3	76
80										34.3	33.2	31.5	24.1	80
84										31.0	30.2	28.2	21.2	84
88											27.5	25.3	18.1	88
92												22.5	15.1	92
96													13.4	96
100													11.3	100

Unit: t

Load Chart of LJDB Configuration

SCC6500A Crawler Crane - Load Chart of LJDB Configuration 7/10

Main boom 78m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 0~310t, rear counterweight 210t and center counterweight 60t

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

Unit: t

Load Chart of LJDB Configuration

SCC6500A Crawler Crane - Load Chart of LJDB Configuration 8/10														
Main boom 84m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 0~310t, rear counterweight 210t and center counterweight 60t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
18	190													18
20	180	157												20
22	170	152	140	123										22
24	163	147	138	121	110									24
26	155	142	133	117	106	95.8								26
28	145	137	130	114	103	92.2	82.5	73.7						28
30	141	132	126	110	100.0	90.4	80.4	71.4	63.8					30
32	138	126	121	107	98.5	88.6	78.6	70.3	62.7	55.6				32
34		121	117	104	94.4	86.2	76.5	68.5	60.4	53.1	46.3			34
36		116	113	100.0	91.5	84.1	74.2	67.6	59.2	52.1	45.2	40.1	33.7	36
38		113	109	95.8	88.6	82.1	73.3	66.5	58.3	51.3	44.1	38.9	32.2	38
40			102	94.4	86.2	80.6	71.5	65.4	57.1	50.4	43.5	38.1	31.4	40
44			89.9	86.3	80.7	74.8	68.5	63.2	55.7	49.2	42.2	37.2	30.3	44
48				76.8	74.3	70.4	64.4	60.4	53.6	48.4	41.2	36.4	29.1	48
52					66.1	64.3	60.9	58.6	50.2	47.3	40.4	35.3	28.2	52
56					58.9	57.1	56.1	53.5	49.3	45.4	38.9	34.1	27.5	56
60						51.3	50.1	49.4	47.4	43.2	38.2	32.7	26.1	60
64							45.2	44.4	43.2	40.8	37.1	31.2	25.4	64
68								40.2	39.0	38.0	35.4	30.5	25.3	68
72								35.8	35.1	34.5	33.3	29.4	24.4	72
76									32.2	31.1	30.3	28.2	23.5	76
80										28.7	27.7	26.6	22.2	80
84										25.8	24.7	24.3	21.4	84
88											22.3	21.8	18.6	88
92												20.1	16.0	92
96												18.5	13.7	96
100													11.5	100

Unit: t

Load Chart of LJDB Configuration

SCC6500A Crawler Crane - Load Chart of LJDB Configuration 9/10

Main boom 90m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 0~310t, rear counterweight 210t and center counterweight 60t

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

Unit: t

Load Chart of LJDB Configuration

SCC6500A Crawler Crane - Load Chart of LJDB Configuration 10/10														
Main boom 96m, main boom angle 85°, jib length 24-96m, lifting mast 36m, lifting radius 19m, lifting counterweight 0~310t, rear counterweight 210t and center counterweight 60t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
20	150	130												20
22	140	125	110											22
24	133	120	107	95.7										24
26	129	115	105	93.2	85.6	73.4								26
28	122	110	100.0	91.4	83.3	72.6	64.7							28
30	115	106	98.5	89.5	80.5	71.5	63.6	57.6						30
32	113	103	95.4	85.4	78.1	70.2	62.5	56.2	49.9					32
34	110	100.0	91.7	83.3	75.6	69.6	61.2	55.1	48.2	43.6	37.7			34
36		95.4	89.2	81.2	73.4	68.5	60.6	54.3	47.5	42.4	36.5	32.6		36
38		91.1	83.2	77.9	70.1	67.2	59.4	53.7	46.1	41.2	35.6	31.5	25.6	38
40			81.4	76.4	69.7	65.1	58.3	52.2	45.2	40.2	34.2	30.4	25.4	40
44			76.4	71.6	65.5	61.3	57.2	50.5	44.4	39.4	33.4	29.2	24.8	44
48				65.8	62.2	58.2	55.4	48.6	42.2	38.6	32.5	28.3	24.3	48
52					56.4	55.0	51.2	46.4	41.3	36.5	31.5	27.4	23.2	52
56					50.9	49.2	47.4	43.3	37.8	35.1	30.4	26.1	22.5	56
60						44.2	42.7	41.5	36.2	33.7	29.1	25.4	21.1	60
64							37.9	37.4	34.3	32.6	28.7	23.9	20.3	64
68							35.0	34.1	32.7	30.5	27.6	22.8	19.5	68
72								31.1	29.2	28.2	26.5	22.1	18.1	72
76									27.0	26.1	24.3	21.2	17.3	76
80									23.9	23.7	22.1	20.3	16.2	80
84										21.8	20.2	19.1	15.4	84
88											18.1	17.8	14.7	88
92												16.2	13.2	92
96												15.0	12.6	96
100													11.3	100

Note: In some cases, Superlift Counterweight does not lift off the ground with indicated load.
Please refer Operations Manual for details.

Notes

Zhejiang SANY Equipment Co., Ltd.

SANY Industrial Park, No. 2087 Daishan Road, Wuxing District, Huzhou City, Zhejiang Province, P. R. of China Zip 313028
After-sales Service 400 887 8318
Consulting 400 887 9318

— Agent information —

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