SCC7000A

Crawler Crane
700 Tons Lifting Capacity

Quality Changes the World



Max. lifting moment: 10000t·m
Max. boom length: 108m
Max. luffing jib combination: 96m+96m

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

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Version: V2.0



Crawler Crane Series
SCC7000A

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Main Characteristics

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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-highway Tier III Emission Standard and Chinese Off-highway 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	1180m
	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	1150m

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: carbody counterweight, rear counterweight, superlift counterweight.
- Carbody counterweight:70t(with tray), rear counterweight: 210t(with tray), superlift counterweight: 360t(with tray).

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 carbody counter weight is 70t, with 35t 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, 42m;
- Composition: mast base 12m×1, insert section 12m×1, 6mx1 and boom top 12m×1.

Power boom

- The strengthened 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 boom length ranges from 48m to 108m;
- Composition: boom base: 12m×1, boom insert: 12m×7, boom top:12m×1.

Super power boom

- The superlift 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;
- Boom length:42m;
- Composition: boom base: 3m×1, boom top:3m×1, boom insert: 36m(six 12m boom insert, each two combined in parallel).

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
150t hook	150	1	5	4.75
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 518t, including the upperworks, lowerworks, rear counterweight of basic machine, carbody counter weight, 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.

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

- The system is fitted with dual screens and multi-cameras; Each screen can display four videos at the same time, monitoring the roping of each winch, superlifting status and the surroundings.
- The record equipped can reserve the videos for 76 hours at most.
- The operation status will be recorded.

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.

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700 TONS LIFTING CAPACITY

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Technical Parameters

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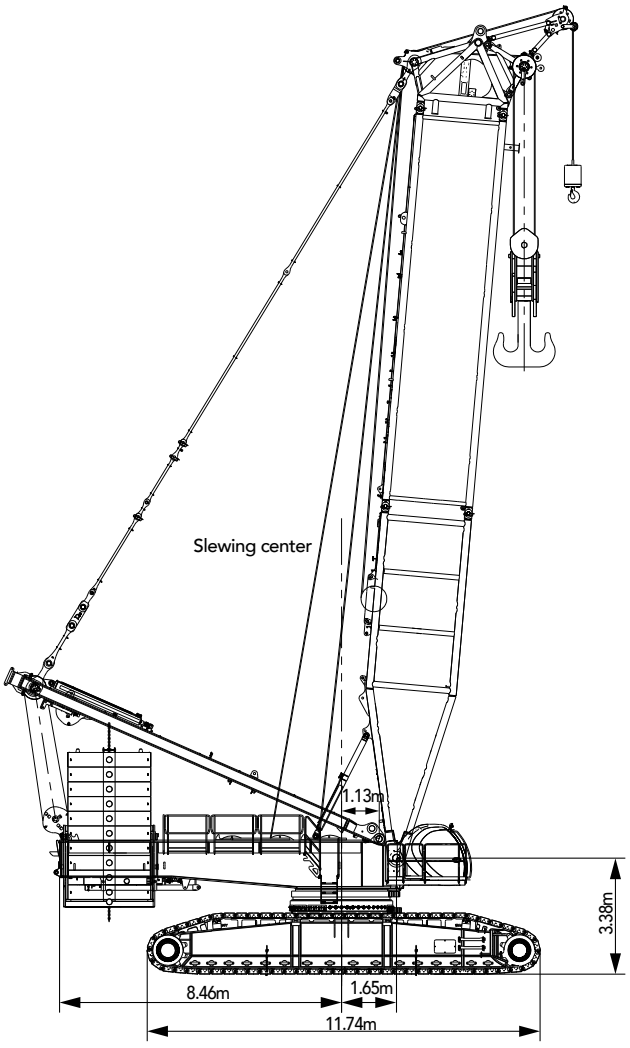
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Main Performance Parameters

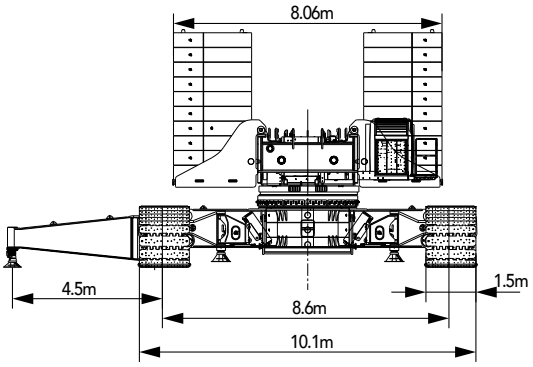
Major Performance & Specifications of SCC7000A		
Performance Indicators	Unit	Parameter
Max. rated lifting capacity	t	650 (5.5m working radius)
Max. rated lifting capacity (with superlift)	t	700 (8m working radius)
Max. rated lifting moment (with superlift)	t·m	10000
Boom length	m	24~96
Boom length (with superlift)	m	42~108
Length of mixed boom	m	66~114
Length of mixed boom (with superlift)	m	90~144
Length of luffing jib	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 luffing 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, 70t carbody counter weight, and 650t hook)	t	518
Average ground pressure of the track (basic boom, 210t rear counterweight, 70t carbody counter weight, and 650t hook)	MPa	0.15
Rear counterweight of the basic machine	t	210
Superlift counterweight (including tray)	t	360
Carbody counter weight	t	70
Max. transport dimension of single part(L × W × H)	mm	13370×3000×2520
Max. transport weight of single part (with separator)	t	45

Unit: mm

Outline Dimension

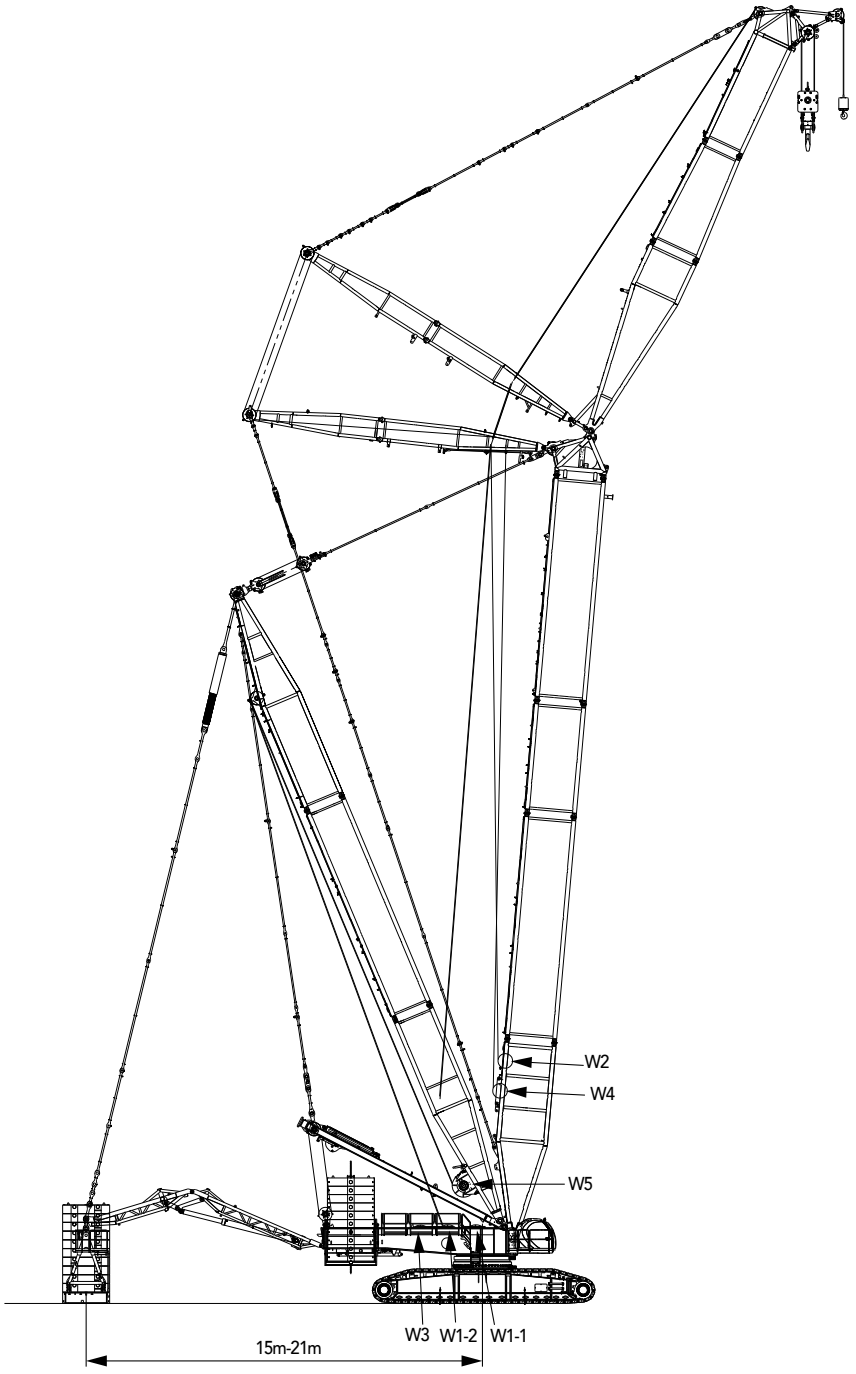


Remove the boom and boom hoist mast

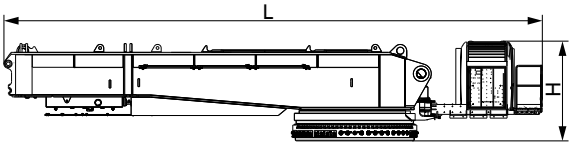


Unit: mm

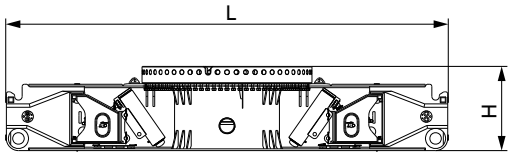
Outline Dimension



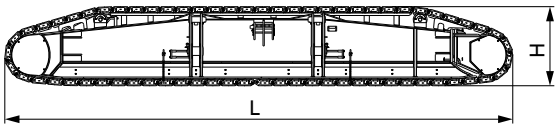
Transport Dimension



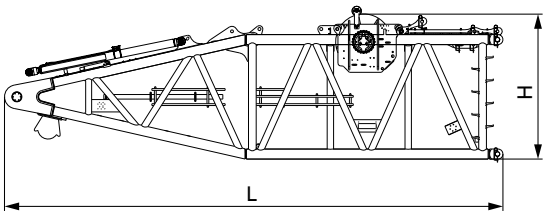
Basic machine (Upperworks and lowerworks separated)	×1
Length (L)	13.37m
Width (W)	3.00m
Height (H)	2.52m
Weight	45t



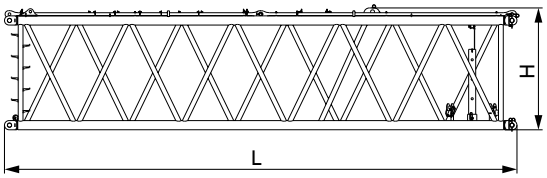
Carbody (Upperworks and lowerworks separated)	×1
Length (L)	7.68m
Width (W)	3.00m
Height (H)	1.46m
Weight	29.0t



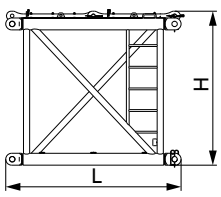
Crawler assembly	×2
Length (L)	11.81m
Width (W)	1.72m
Height (H)	1.85m
Weight	43.0t



Boom base (H2)	×1
Length (L)	10.90m
Width (W)	3.00m
Height (H)	3.20m
Weight	20.8t

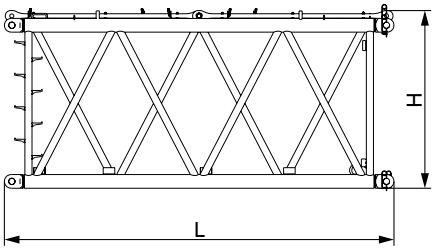


12m transition boom (H4)	×1
Length (L)	12.24m
Width (W)	2.99m
Height (H)	2.90m
Weight (with auxiliary luffing hoist)	9.0t

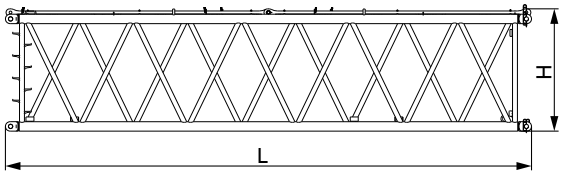


3m boom insert	×1
Length (L)	3.24m
Width (W)	2.99m
Height (H)	2.84m
Weight	2.68t

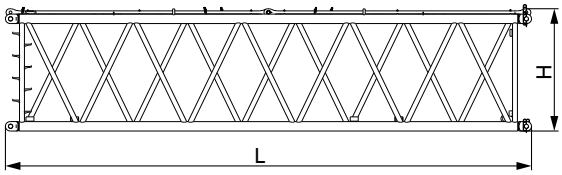
Transport Dimension



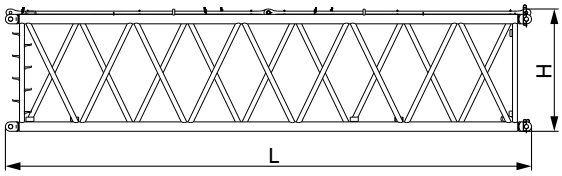
6m boom insert (H6)	×2
Length (L)	6.24m
Width (W)	2.99m
Height (H)	2.84m
Weight	4.7t



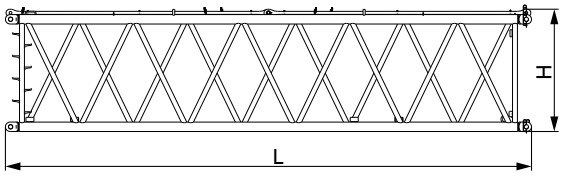
12m boom insert B (H8B)	×2
Length (L)	12.20m
Width (W)	2.99m
Height (H)	2.84m
Weight	8.5t



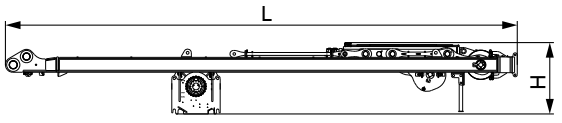
12m boom insert C (H8C)	×2
Length (L)	12.20m
Width (W)	2.99m
Height (H)	2.84m
Weight	7.5t



12m boom insert D (H8D)	×1
Length (L)	12.20m
Width (W)	2.99m
Height (H)	2.84m
Weight	6.8t

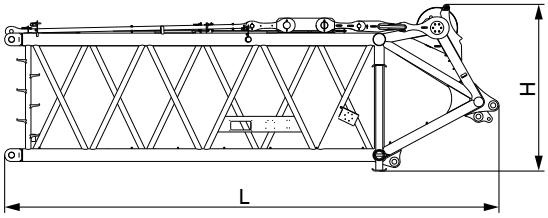


12m boom insert (H8E)	×1
Length (L)	12.20m
Width (W)	2.99m
Height (H)	2.84m
Weight	6.8t

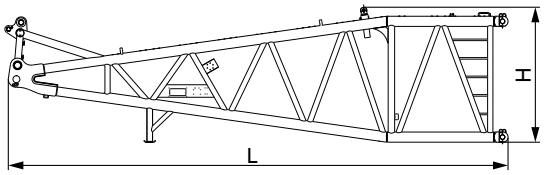


Boom luffing mast	×1
Length (L)	12.40m
Width (W)	2.41m
Height (H)	1.72m
Weight (including main luffing winch)	20.4t

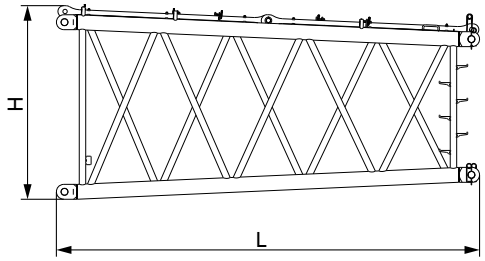
Transport Dimension



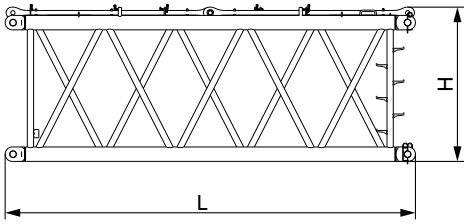
Luffing jib top (LJ1)	×1
Length (L)	8.55m
Width (W)	2.57m
Height (H)	2.88m
Weight	6.5t



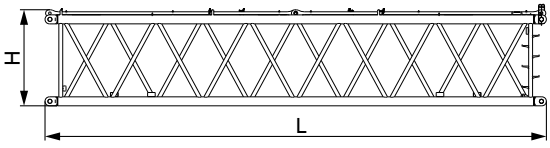
Luffing jib base (LJ2)	×1
Length (L)	10.80m
Width (W)	2.99m
Height (H)	2.91m
Weight	8.0t



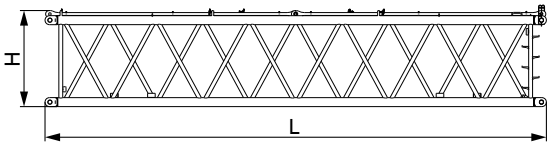
6m jib tapered section (LJ4)	×1
Length (L)	6.20m
Width (W)	2.99m
Height (H)	2.85m
Weight	3.2t



6m luffing jib insert (LJ6)	×2
Length (L)	6.20m
Width (W)	2.64m
Height (H)	2.34m
Weight	3.1t

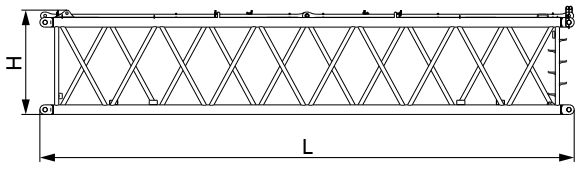


12m luffing jib insert A (LJ8A)	×1
Length (L)	12.20m
Width (W)	2.64m
Height (H)	2.34m
Weight	5.3t

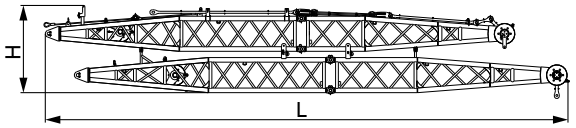


12m luffing jib insert B (LJ8B)	×2
Length (L)	12.20m
Width (W)	2.64m
Height (H)	2.34m
Weight	5.0t

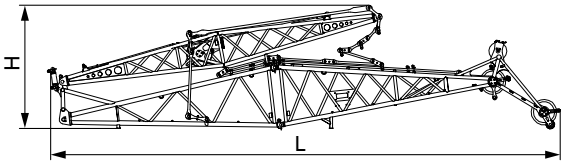
Transport Dimension



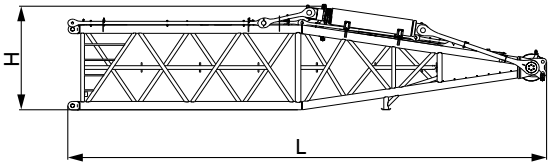
12m luffing jib insert C (LJ8C)	×1
Length (L)	12.20m
Width (W)	2.64m
Height (H)	2.39m
Weight	5.0t



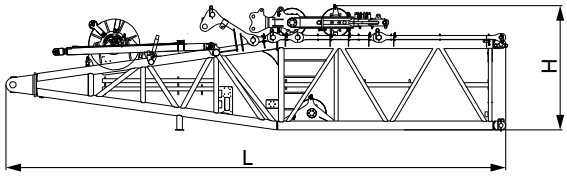
Front and rear masts of luffing jib	×1
Length (L)	18.00m
Width (W)	2.54m
Height (H)	3.00m
Weight	15.4t



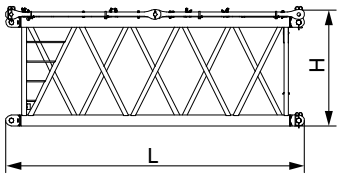
Fixed jib assembly	×1
Length (L)	14.18m
Width (W)	2.48m
Height (H)	3.19m
Weight	6.4t



Superlift mast top (D1)	×1
Length (L)	12.51m
Width (W)	2.99m
Height (H)	2.72m
Weight	14.6t

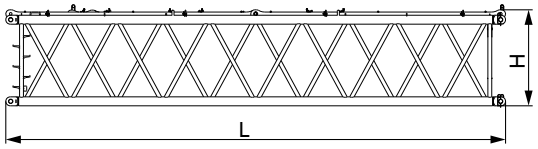


Superlift mast base (D2)	×1
Length (L)	12.30m
Width (W)	2.99m
Height (H)	3.05m
Weight	25.0t

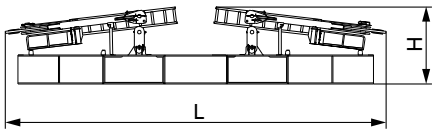


6m superlift mast insert	×1
Length (L)	6.24m
Width (W)	2.94m
Height (H)	2.38m
Weight	4.6t

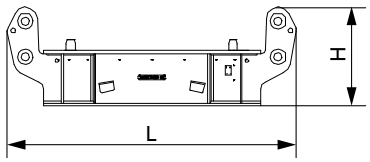
Transport Dimension



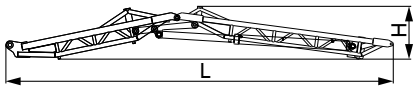
12m superlift mast insert (D3)	×1
Length (L)	12.20m
Width (W)	2.94m
Height (H)	2.38m
Weight	8.2t



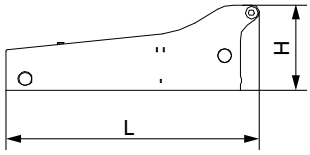
Superlift counterweight frame (tray 1)	×1
Length (L)	9.25m
Width (W)	2.61m
Height (H)	1.87m
Weight	27.55t



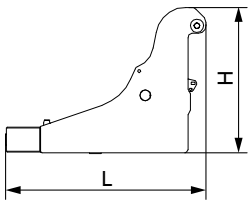
Superlift counterweight frame (tray 2)	×1
Length (L)	3.14m
Width (W)	2.50m
Height (H)	1.07m
Weight	5.8t



Superlift counterweight strut	×1
Length (L)	13.30m
Width (W)	3.00m
Height (H)	1.81m
Weight	9.6t

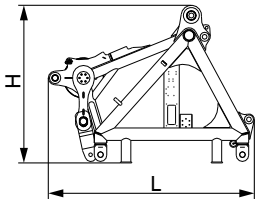


Carbody counterweight tray	×2
Length (L)	3.28m
Width (W)	2.98m
Height (H)	1.10m
Weight	15.0t

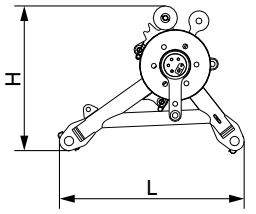


Rear counterweight tray	×2
Length (L)	3.30m
Width (W)	2.94m
Height (H)	2.40m
Weight	15.0t

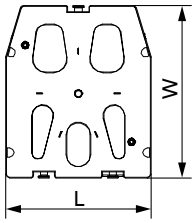
Transport Dimension



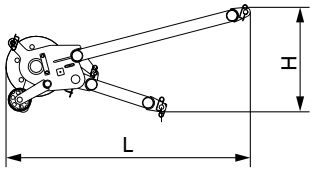
Connection tip	×1
Length (L)	3.63m
Width (W)	2.99m
Height (H)	2.77m
Weight	6.1t



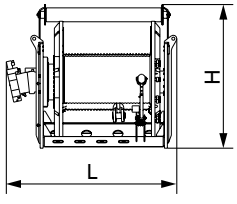
Pulley assembly	×2
Length (L)	1.84m
Width (W)	1.67m
Height (H)	1.44m
Weight	2.3t



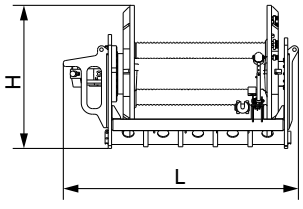
10t counterweight block	×55
Length (L)	2.40m
Width (W)	2.85m
Height (H)	0.484m
Weight	10.0t



Boom extension (HT)	×1
Length (L)	2.60m
Width (W)	1.07m
Height (H)	1.11m
Weight	0.45t

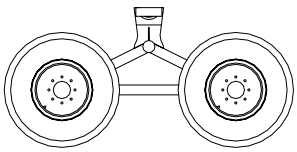


Jib luffing winch	×1
Length (L)	1.71m
Width (W)	1.50m
Height (H)	1.44m
Weight	6.3t

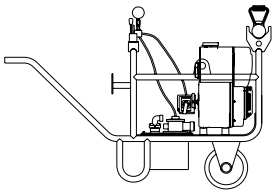


Main load hoisting winch	×2
Length (L)	1.94m
Width (W)	1.34m
Height (H)	1.28m
Weight	7.3t

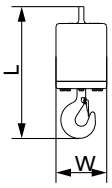
Transport Dimension



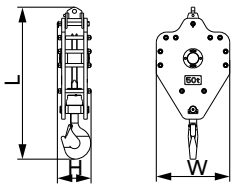
Trolley	×1
Length (L)	3.30m
Width (W)	2.00m
Height (H)	1.61m
Weight	1.9t



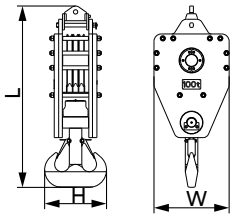
Portable power pack	×1
Length (L)	1.55m
Width (W)	0.70m
Height (H)	1.09m
Weight	0.2t



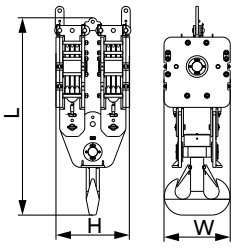
18t ball hook	×1
Length (L)	1.30m
Width (W)	0.50m
Height (H)	0.50m
Weight	1.0t



50t hook	×1
Length (L)	2.20m
Width (W)	1.06m
Height (H)	0.50m
Weight	1.42t

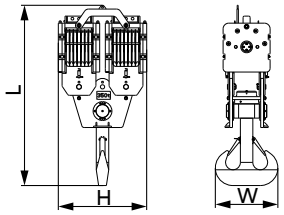


150t hook	×1
Length (L)	2.50m
Width (W)	1.06m
Height (H)	0.90m
Weight	4.75t

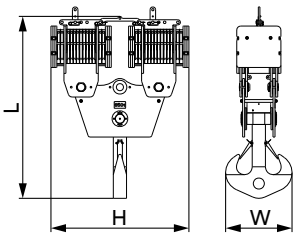


180t hook	×1
Length (L)	3.20m
Width (W)	1.07m
Height (H)	1.19m
Weight	6.28t

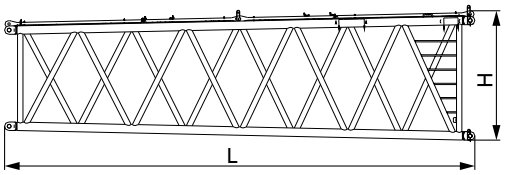
Transport Dimension



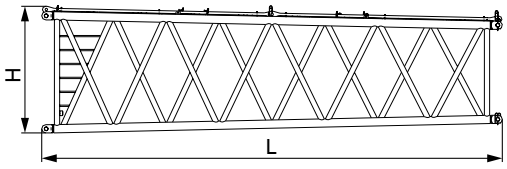
350t hook	×1
Length (L)	3.84m
Width (W)	1.33m
Height (H)	1.88m
Weight	10.48t



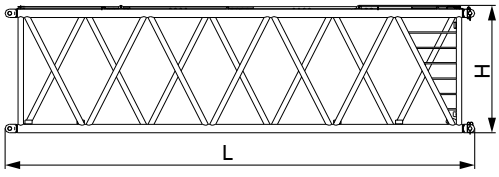
650t hook	×1
Length (L)	4.61m
Width (W)	1.68m
Height (H)	3.50m
Weight	20.2t



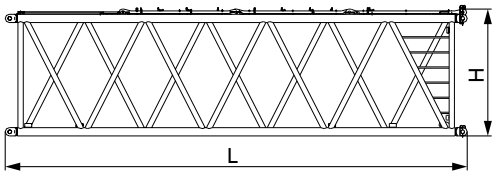
12m lower transition section (ZH4A)	×1
Length (L)	12.20m
Width (W)	3.50m
Height (H)	3.32m
Weight	11.1t



12m upper transition section (ZH4B)	×1
Length (L)	12.20m
Width (W)	3.50m
Height (H)	3.32m
Weight	8.5t

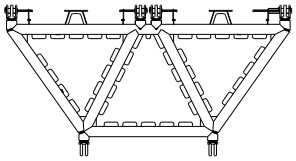


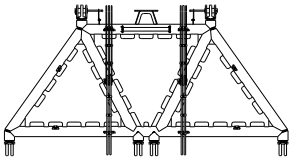
12m insert of power boom A (ZH8A)	×2
Length (L)	12.20m
Width (W)	3.50m
Height (H)	3.32m
Weight	9.1t



12m insert of power boom B (ZH8B)	×5
Length (L)	12.20m
Width (W)	3.50m
Height (H)	3.32m
Weight	8.6t

Transport Dimension



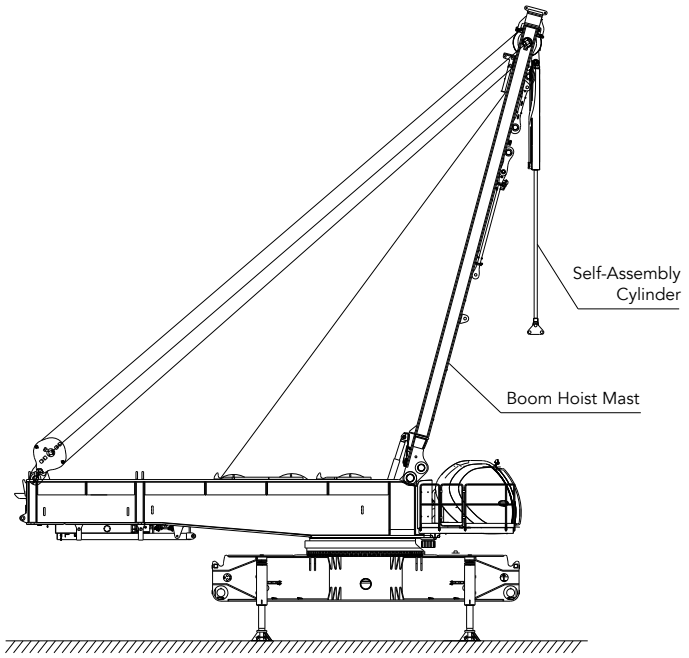


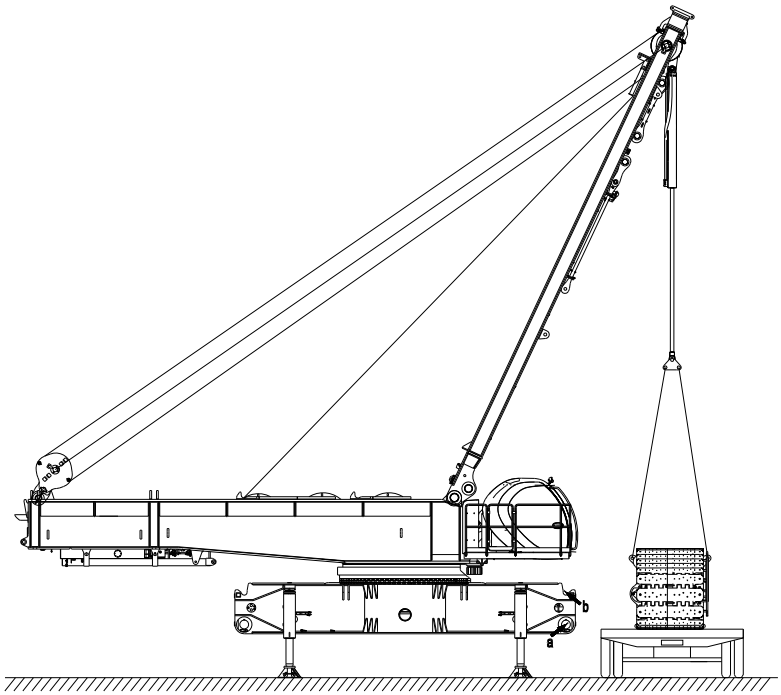
Note:
1. The transport dimensions of each part in the table are schematic, not proportional to the real parts. The dimensions are designed value without package considered.
2. Weight is designed value that the actual manufactured part may deviate a little.
3. The dimensions and weight of each part may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

Lower transition section of power boom	×1
Length (L)	3.24m
Width (W)	6.10m
Height (H)	2.91m
Weight	6.5t

Upper transition section of power boom	×1
Length (L)	3.24m
Width (W)	6.10m
Height (H)	2.81m
Weight	6.3t

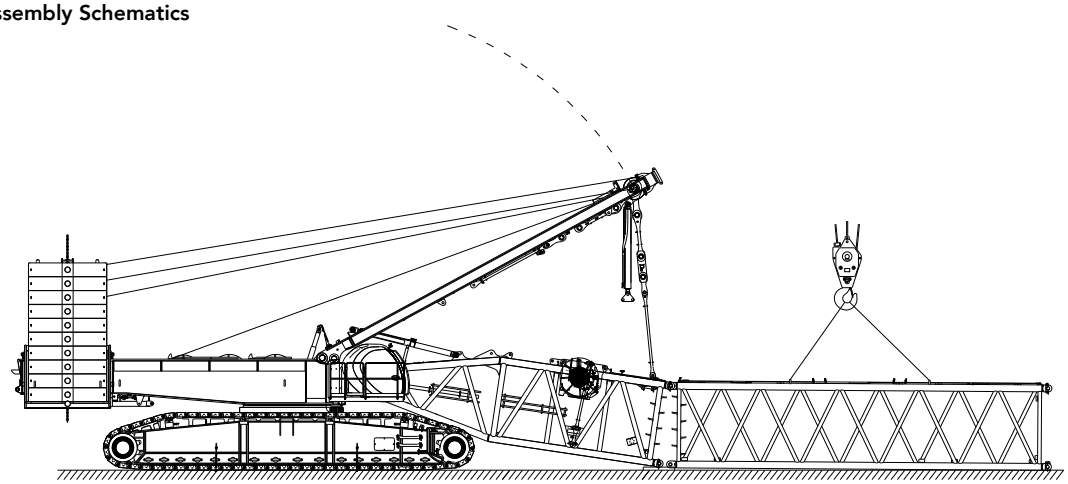
Self-Assembly and Disassembly plan

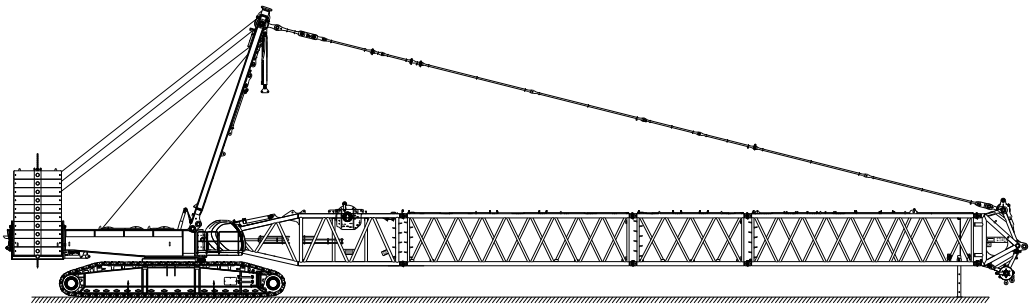




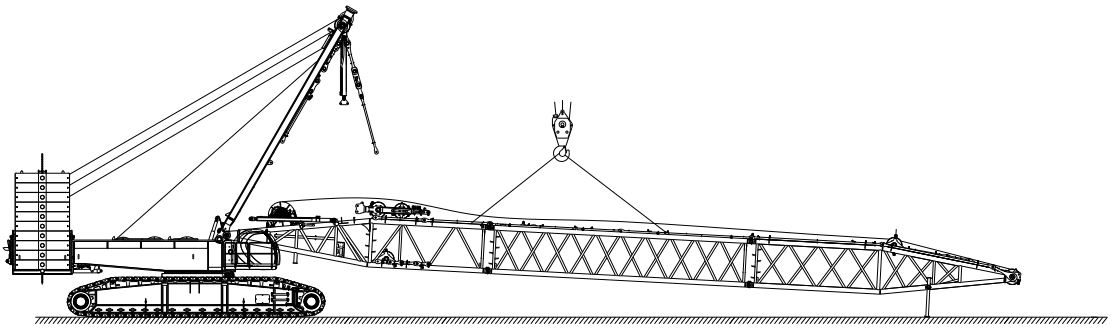
Assembly Schematics

1）Boom Assembly Schematics

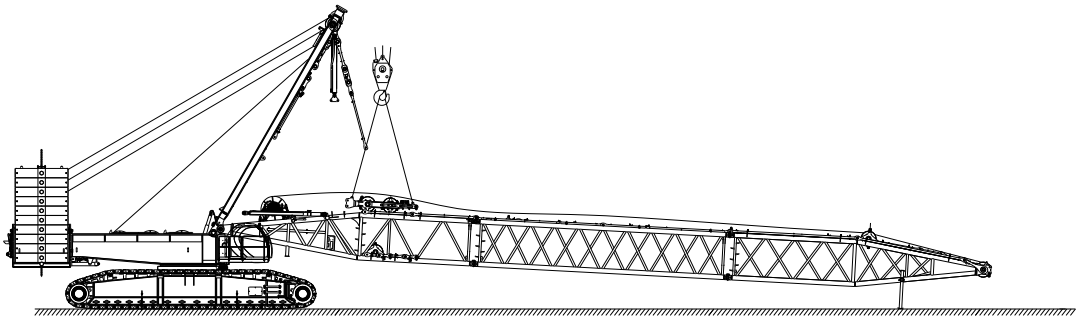


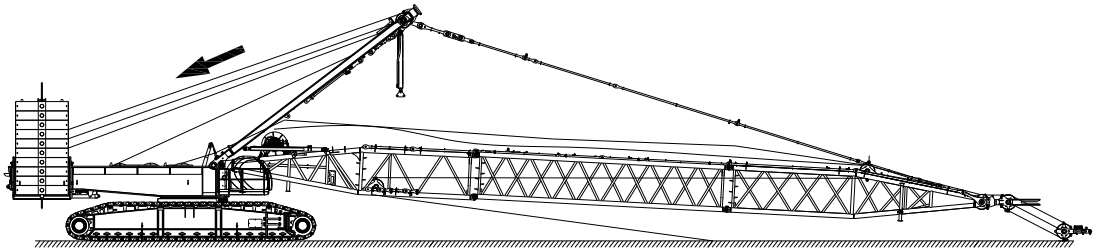


2）Superlift Mast Assembly

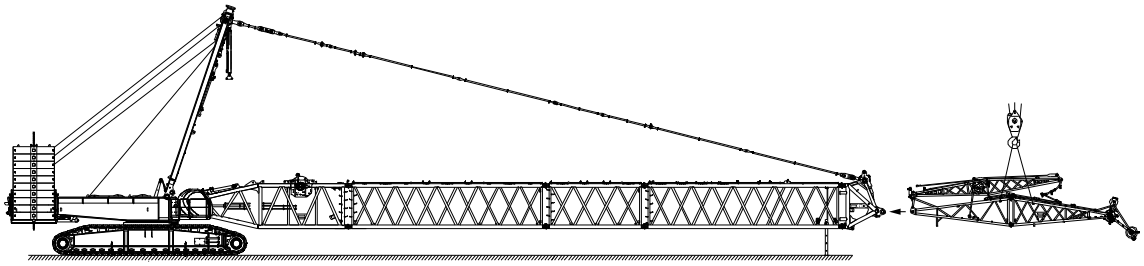


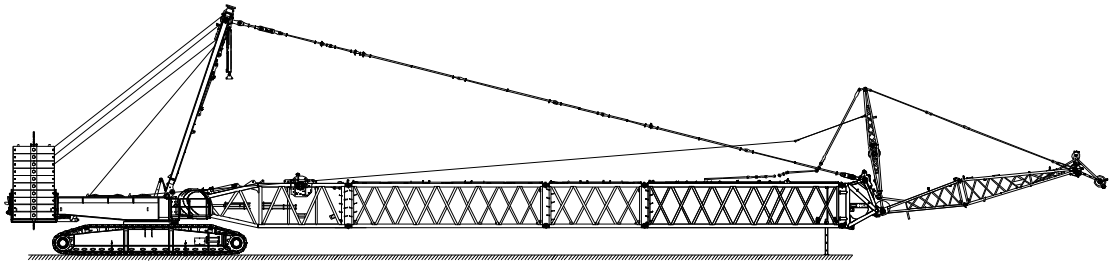
Assembly Schematics





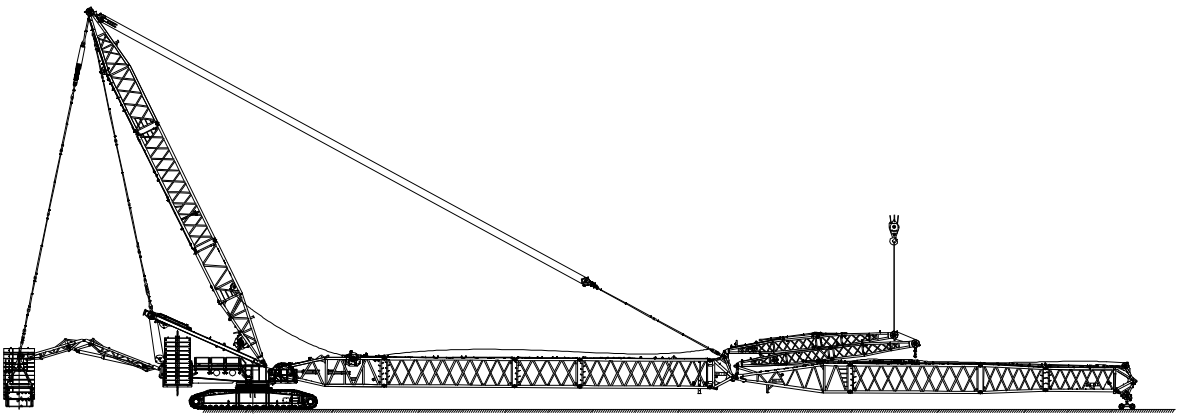
3）Fixed Jib Assembly Schematics

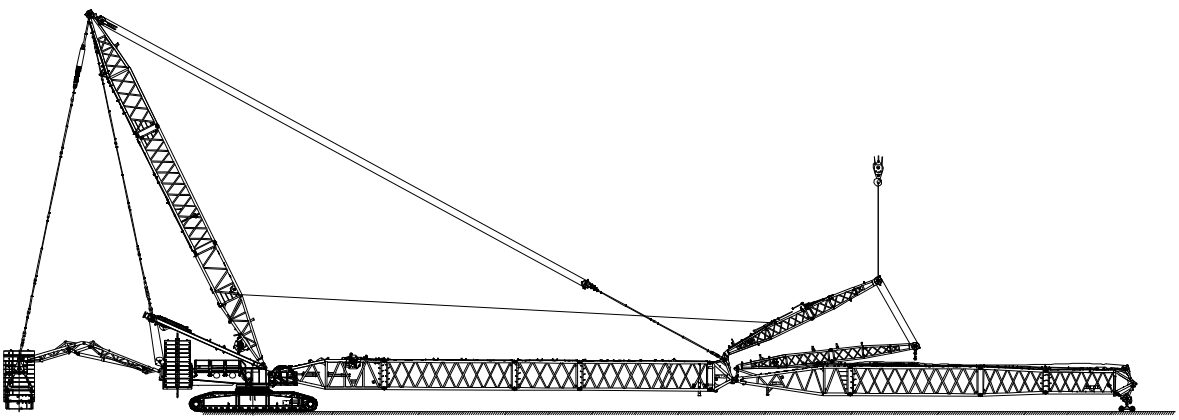




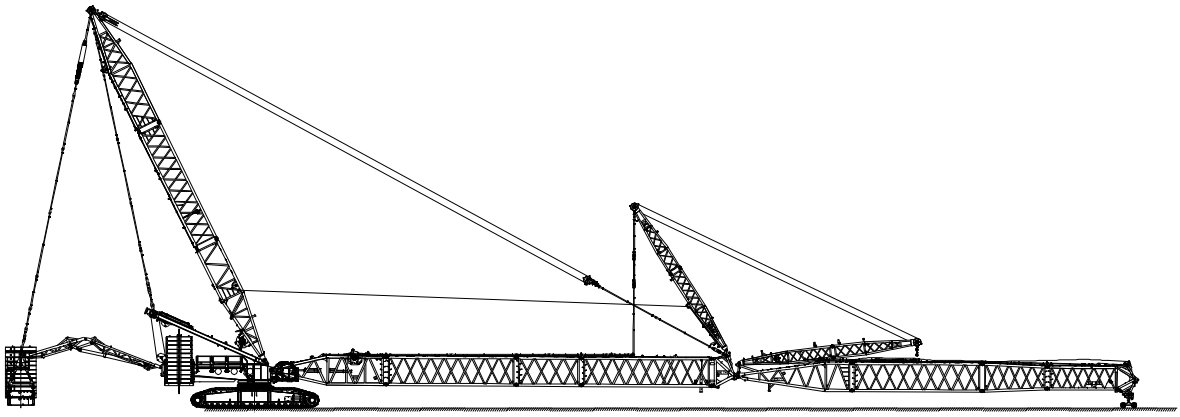
Assembly Schematics

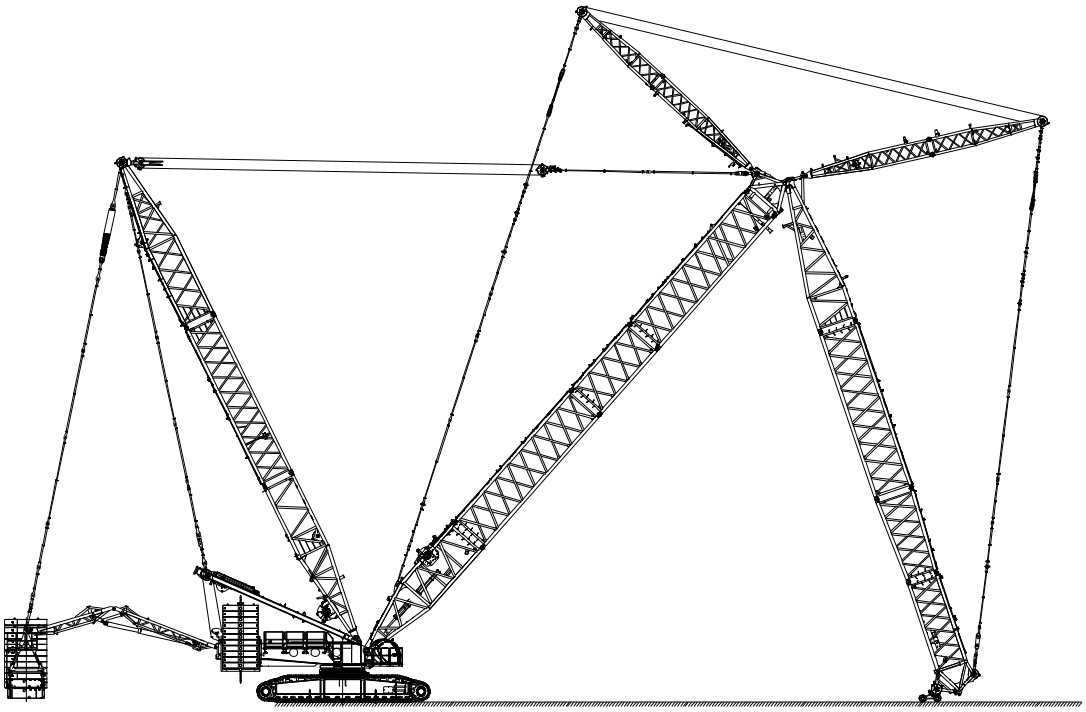
4）Luffing Jib Assembly Schematics





Assembly Schematics





C

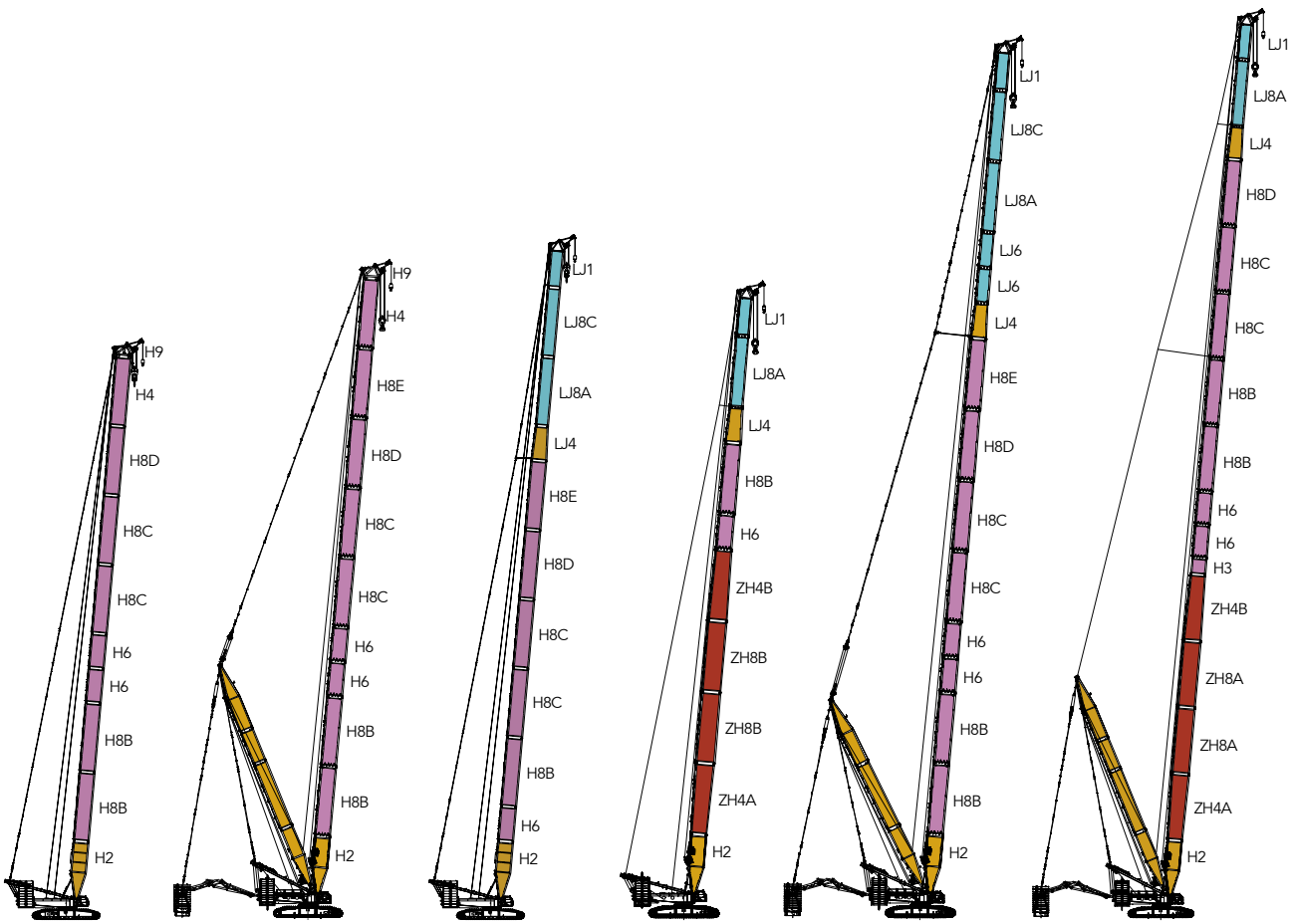
SCC7000A
SANY CRAWLER CRANE
700 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Cofigurations

- Page 33 H Configuration
- Page 36 HDB Configuration
- Page 39 HJ Configuration
- Page 42 HJ_4 Configuration
- Page 45 HJDB Configuration
- Page 48 HJDB_4 Configuration
- Page 52 HJDB_5 Configuration
- Page 56 HJDB_7 Configuration
- Page 59 HJDB_9 Configuration
- Page 62 FJ Configuration
- Page 67 FJDB Configuration
- Page 72 HJFJ Configuration
- Page 77 HJFJ_4 Configuration
- Page 82 HJFJDB Configuration
- Page 87 HJFJDB_4 Configuration
- Page 92 HJFJDB_5 Configuration
- Page 100 HJFJDB_7 Configuration
- Page 105 HJFJDB_9 Configuration
- Page 110 HJFJDB_SY3 Configuration
- Page 115 LJ Configuration
- Page 124 LJDB Configuration

Combination



H
(24~96m)

HDB
(42~108m)

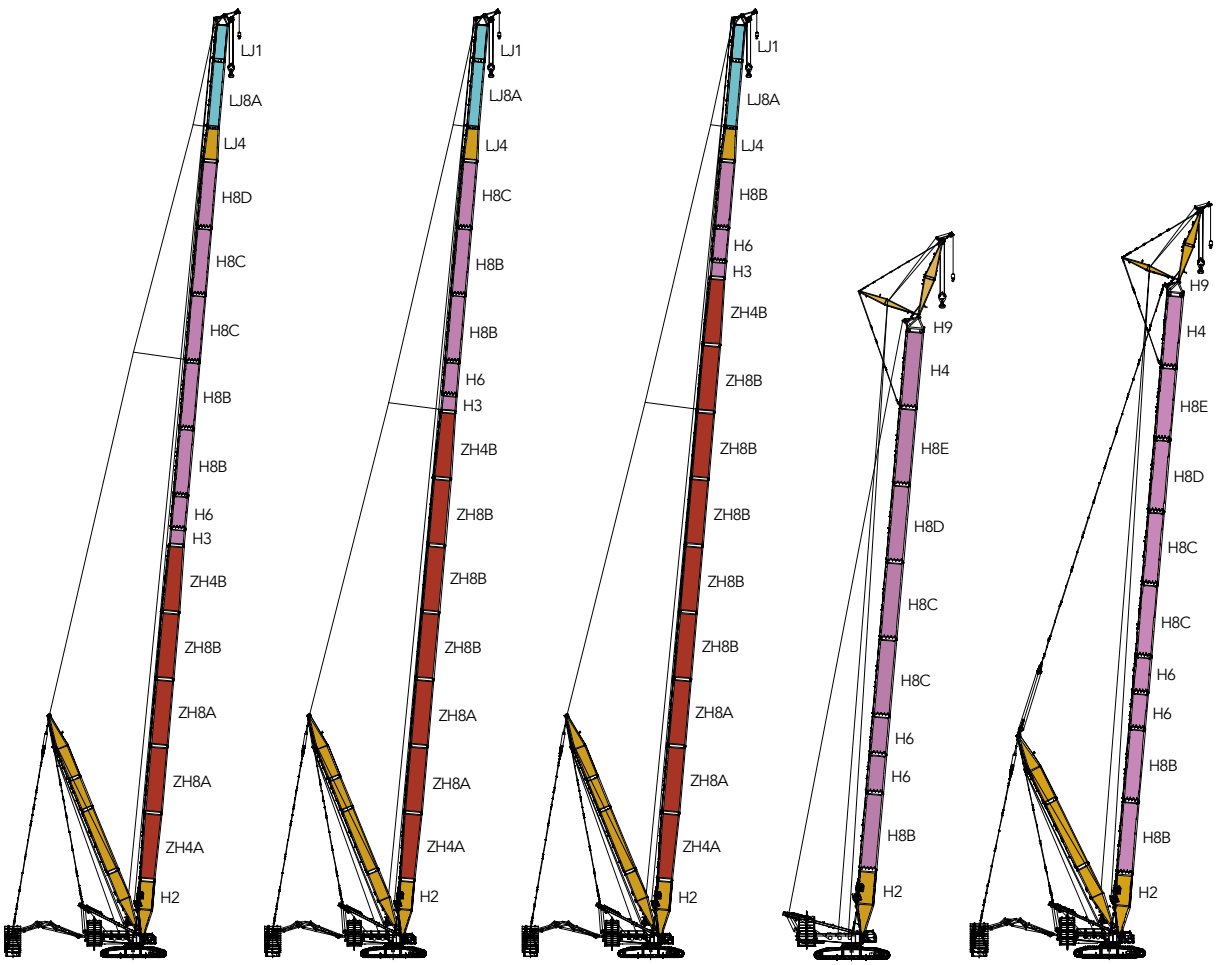
HJ
(84~114m)

HJ_4
(84~102m)

HJDB
(90~144m)

HJDB_4
(102~159m)

Combination



HJDB_5
(102~165m)

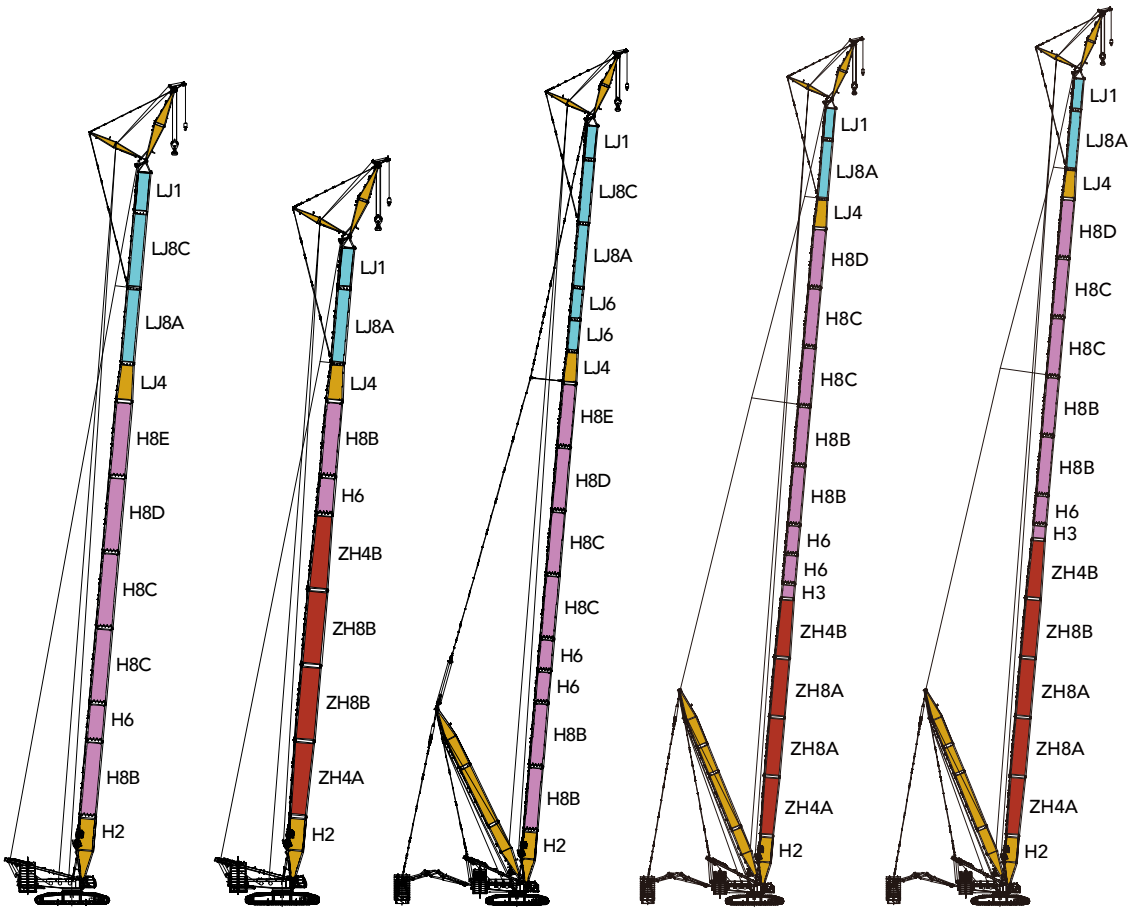
HJDB_7
(114~165m)

HJDB_9
(132~165m)

FJ
(66-96m+12m)

FJDB
(42~108m+12m)

Combination



HJFJ
(84-114m+12m)

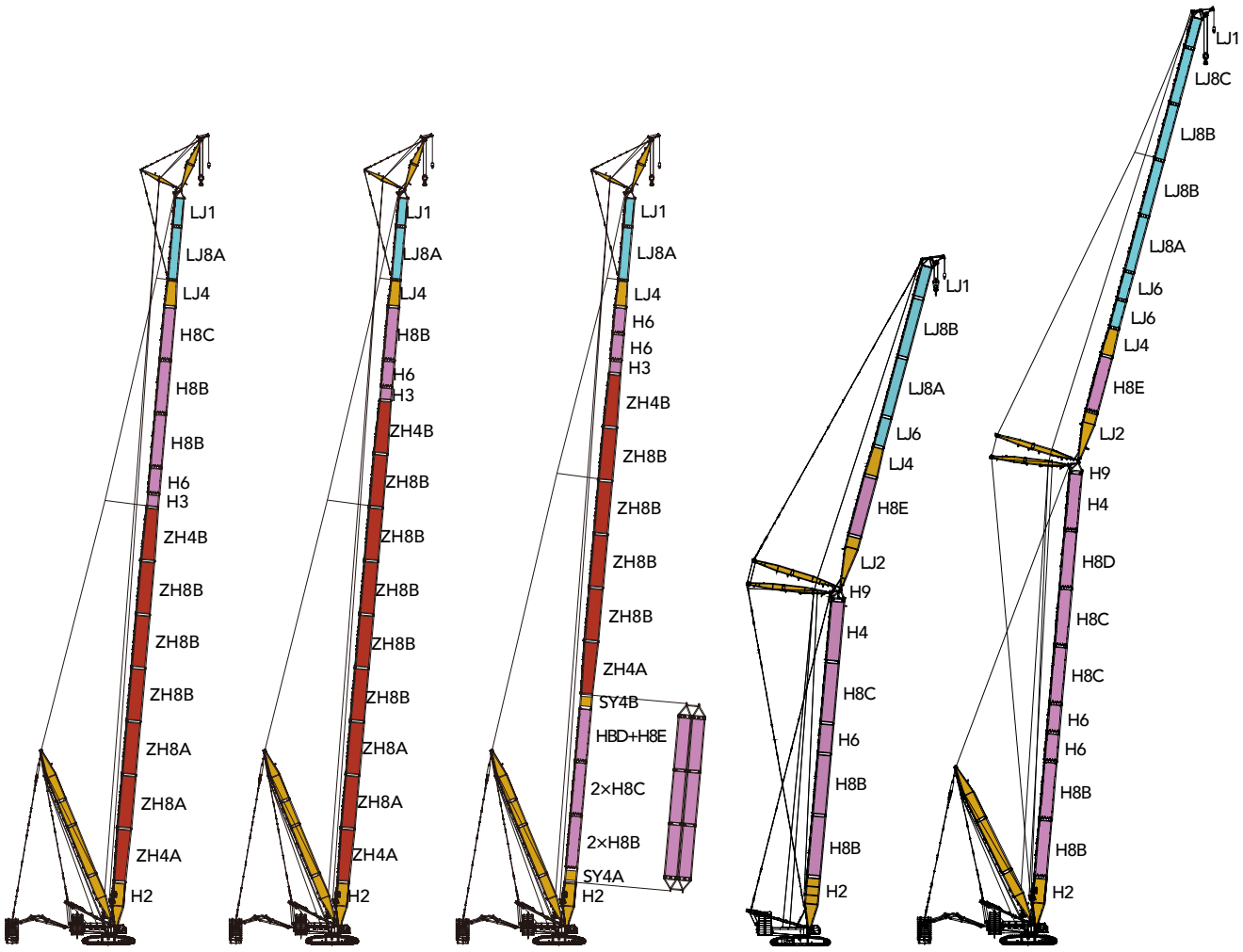
HJFJ_4
(84~102m+12m)

HJFJDB
(114~144m+12m)

HJFJDB_4
(102~159m+12m)

HJFJDB_5
(102~165m+12m)

Combination



HJFJDB_7
(114~165m+12m)

HJFJDB_9
(132~165m+12m)

HJFJDB_SY3
(126~165m+12m)

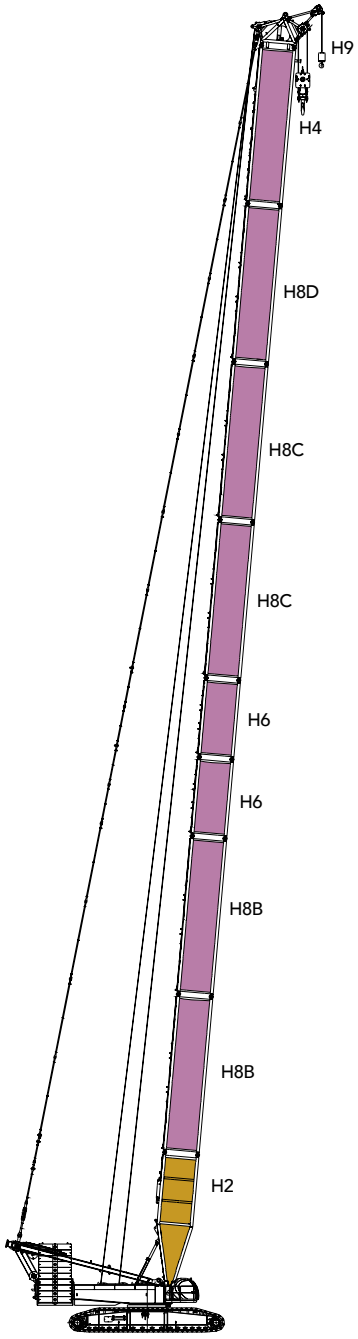
LJ
(30~66m+24~66m)

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

H Boom Combination

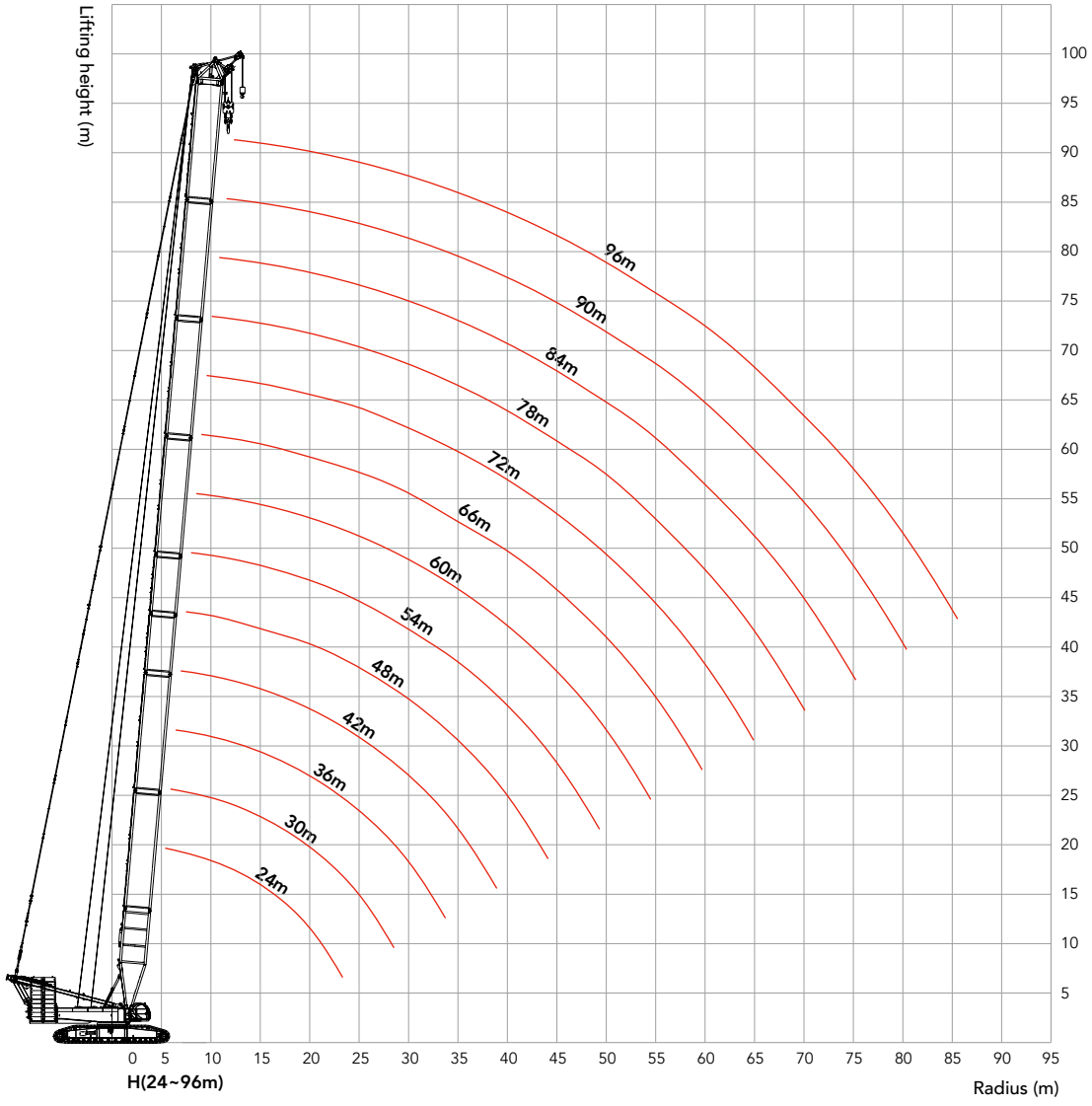
H Boom combination		
Boom length(m)	Insert	
	6m	12m
24	-	-
30	1	-
36	2	-
42	1	1
48	2	1
54	1	2
60	2	2
66	1	3
72	2	3
78	1	4
84	2	4
90	1	5
96	2	5

Note: 24m basic boom consists 10.5 boom base, 12m transition section and connection boom tip.



H(24~96m)

Working Radius of H Configuration



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.

SCC7000A-H Configuration

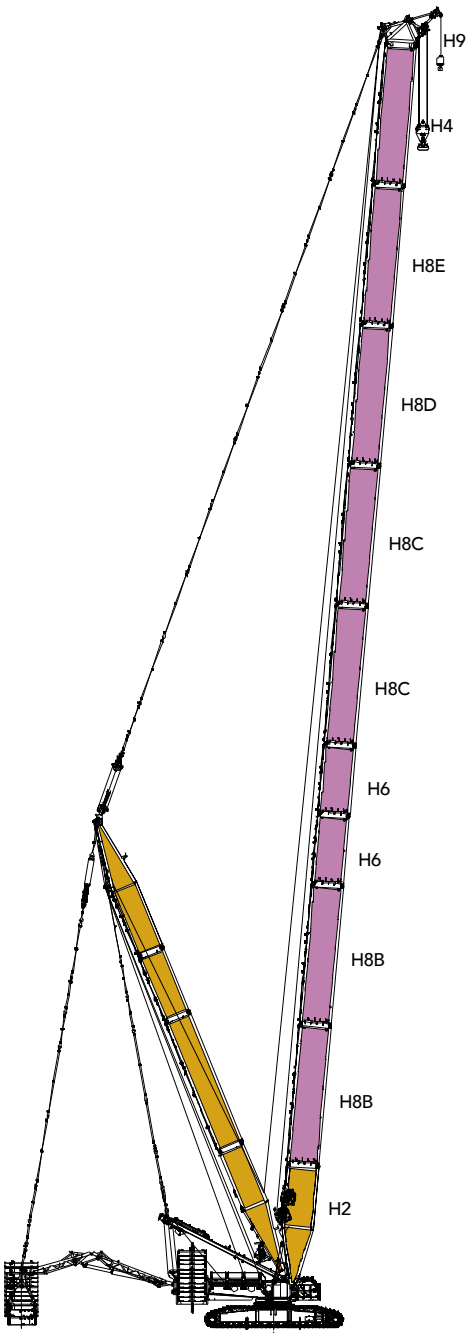
Boom length: 24m~96m, Rear counterweight: 210t, Carbody counterweight: 70t

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 Combination

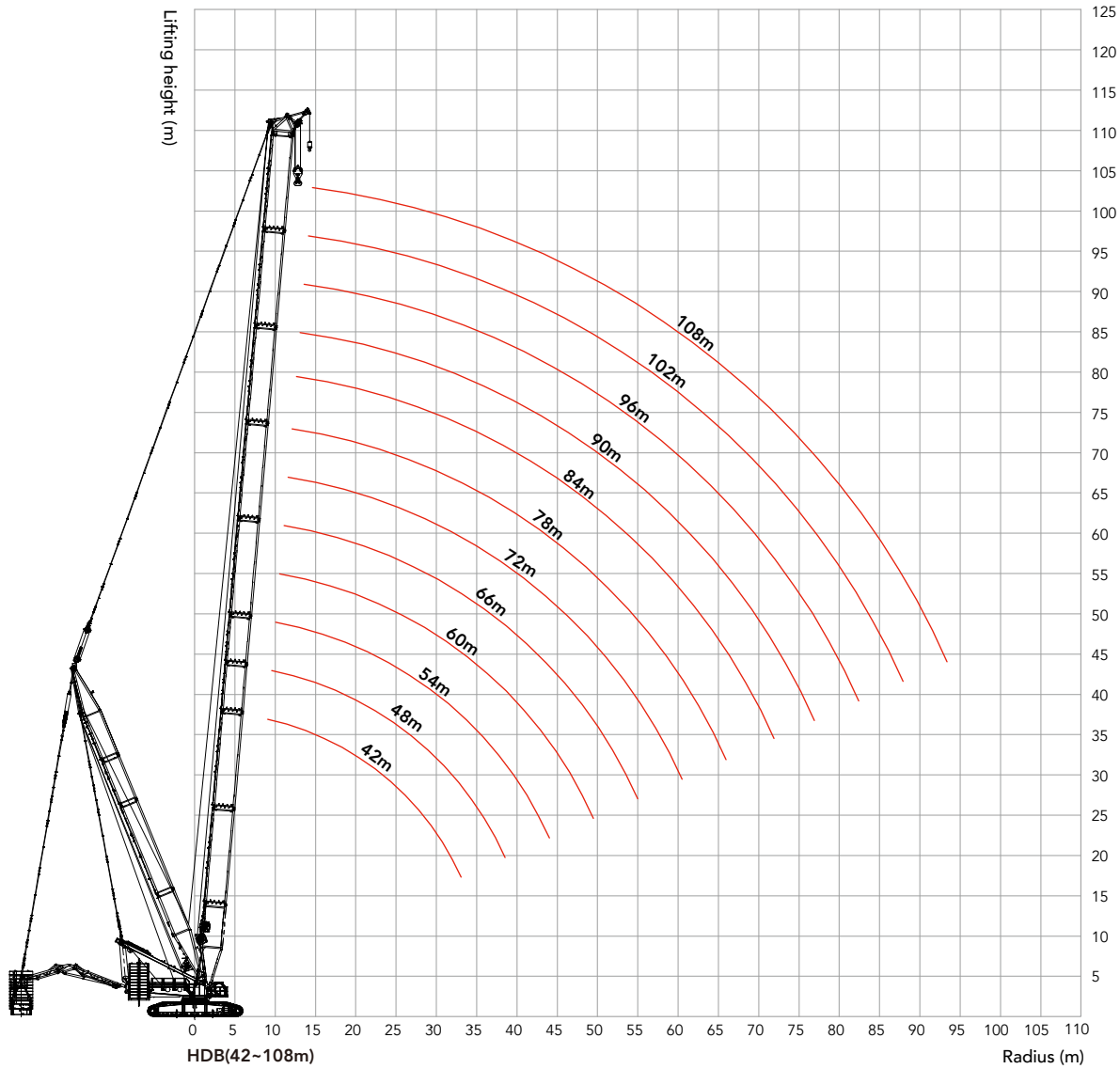
HDB Boom Combination		
Boom length(m)	Insert	
	6m	12m
42	1	1
48	2	1
54	1	2
60	2	2
66	1	3
72	2	3
78	1	4
84	2	4
90	1	5
96	2	5
102	1	6
108	2	6

Note: 10.5m boom base, 12m transition section, connection tip are must



HDB(42~108m)

Work Radius of HDB Configuration



Unit: t

Load Chart of HDB Configuration

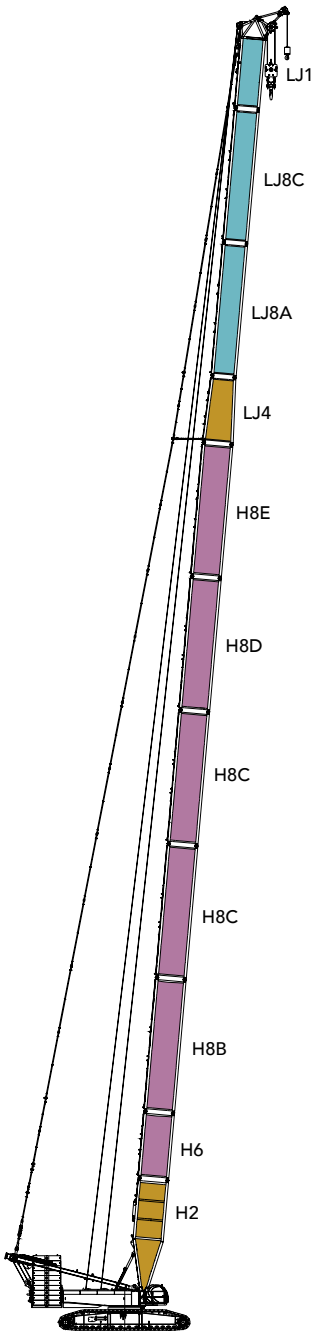
SCC7000A-HDB Configration													
Boom length: 42~108, Superlift radius: 21m, Superlift counterweight: 0~360t, Rear counterweight: 210t, Carbody counterweight: 70t													
Radius (m)	42	48	54	60	66	72	78	84	90	96	102	108	Radius (m)
8	700	650											8
9	680	650	650	630									9
10	650	650	650	650	556	470							10
11	650	650	650	650	558	471	395	341					11
12	650	650	650	650	559	472	396	341	303	266			12
14	650	650	650	650	564	476	396	342	303	266	226	201	14
16	560	594	600	586	536	476	396	342	304	266	227	201	16
18	508	556	524	515	497	452	398	344	303	267	226	202	18
20	446	476	487	458	445	406	387	343	304	268	226	201	20
22	395	424	436	412	403	387	352	337	305	267	227	201	22
24	372	401	393	393	367	354	339	310	297	267	225	201	24
26	334	362	357	359	336	326	313	287	275	263	226	201	26
28	302	329	344	329	327	302	291	280	256	245	225	201	28
30	290	318	315	304	303	281	271	262	252	229	220	201	30
32	264	291	290	297	281	276	254	246	237	215	207	198	32
34	255	267	281	275	262	258	238	231	223	214	195	197	34
36	231	260	263	256	245	242	236	218	211	202	195	187	36
38	223	239	243	239	243	228	223	206	200	192	185	177	38
40		235	235	233	228	215	210	206	190	182	176	169	40
44		211	207	207	201	202	189	186	181	165	160	153	44
48			189	189	188	181	180	168	165	160	146	140	48
52				172	171	170	162	162	151	147	143	137	52
56					157	155	153	148	147	135	131	127	56
60						143	140	135	135	124	121	117	60
64						132	129	129	123	122	112	109	64
68							119	119	118	112	111	108	68
72								111	110	108	103	100	72
76									102	100	99.6	93.6	76
80									95.1	93.4	92.6	90.8	80
84										87.1	86.3	84.5	84
88											80.6	78.8	88
92												73.5	92
96												68.7	96

HJ Combination

HJ Boom Combination

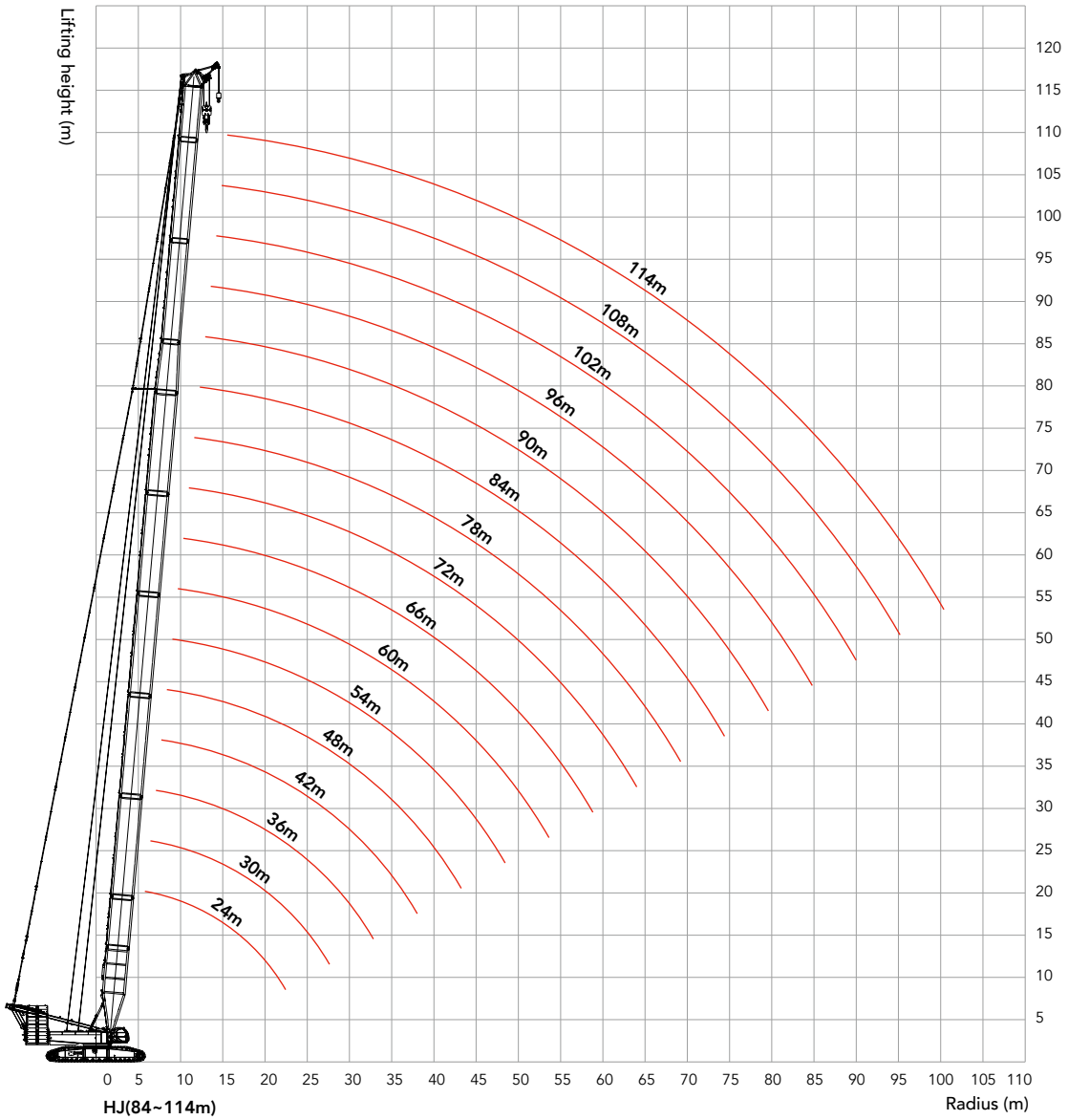
Boom length(m)	Boom insert		Jib insert
	6m	12m	12m
84	-	4	1
90*	1	4	1
96*	-	4	2
102*	1	4	2
108*	-	5	2
114*	1	5	2

Note: 10.5m boom base, 6m tapered section and 7.5m jib top are must. For combinations marked with "*", the mid-point suspension cable is must, otherwise, the boom may break.



HJ(84~114m)

Work Radius of HJ Configuration



HJ(84~114m)

Unit: t

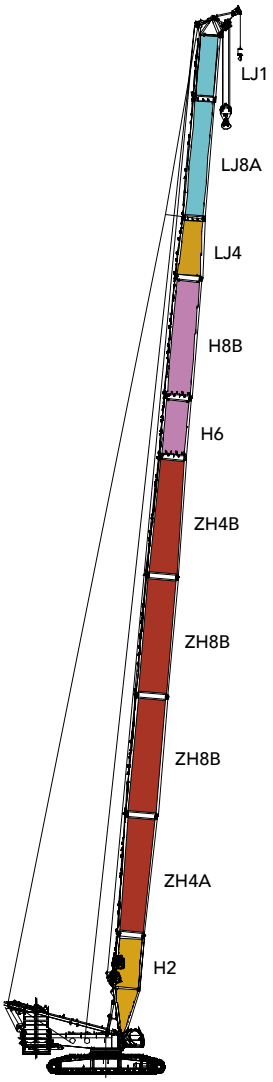
Load Chart of HJ Configuration

SCC7000A-HJ Configuration							
Boom Length: 84~114m, Rear counterweight: 210t, Carbody counterweight:70t							
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

HJ_4 Combination

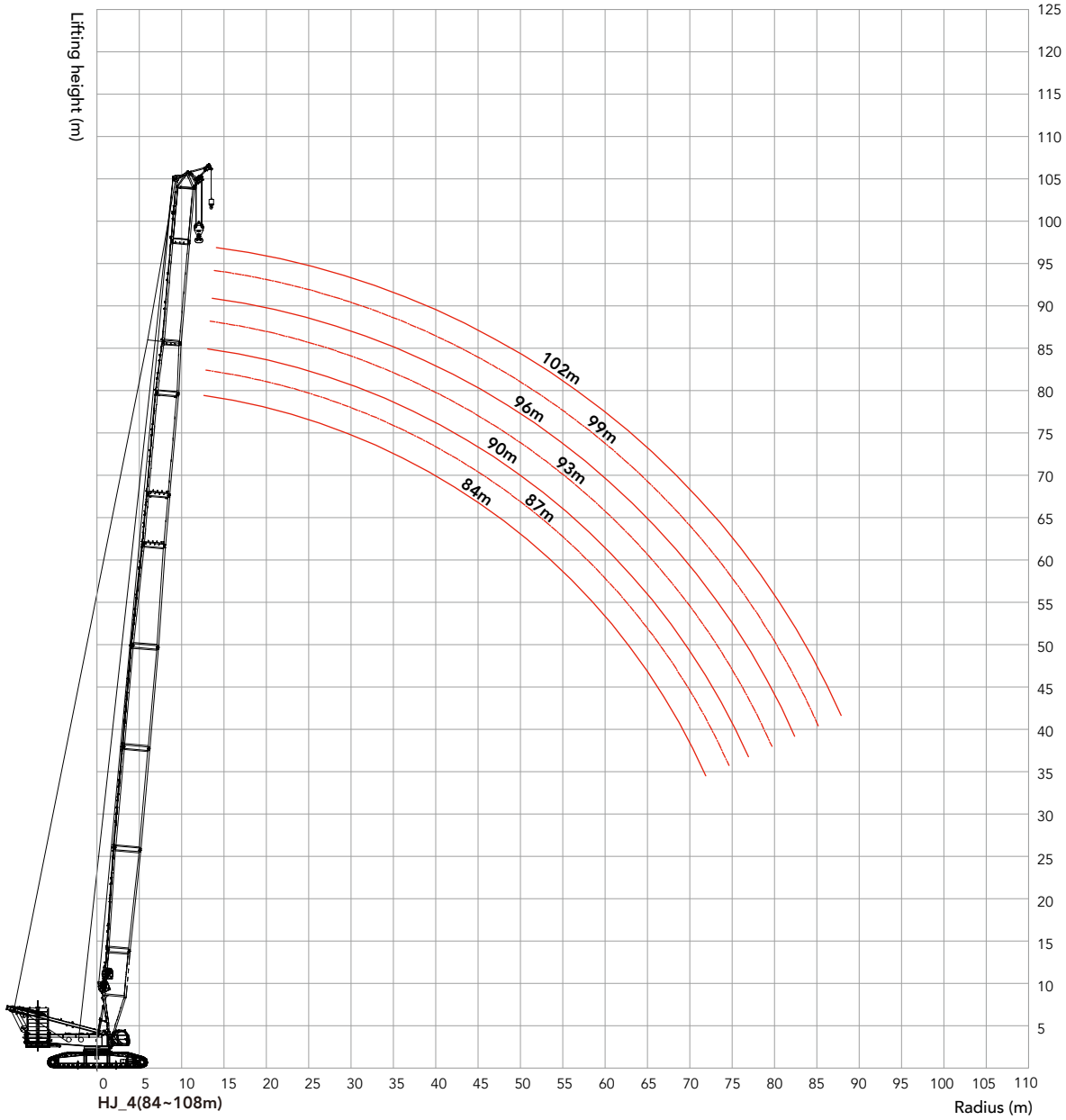
HJ_4 Boom Combination				
Boom length(m)	Power boom	Boom insert		
	12m	3m	6m	12m
84	4	-	-	-
87	4	1	-	-
90	4	-	1	-
93	4	1	1	-
96	4	-	-	1
99*	4	1	-	1
102*	4	-	1	1

Note: 10.5m boom base, 6m tapered section and 12m jib insert and jib top are must.
For combinations marked with "*", the mid-point suspension cable is must, otherwise, the boom may break.



HJ_4(84~102m)

Work Radius of HJ_4 Configuration



Unit: t

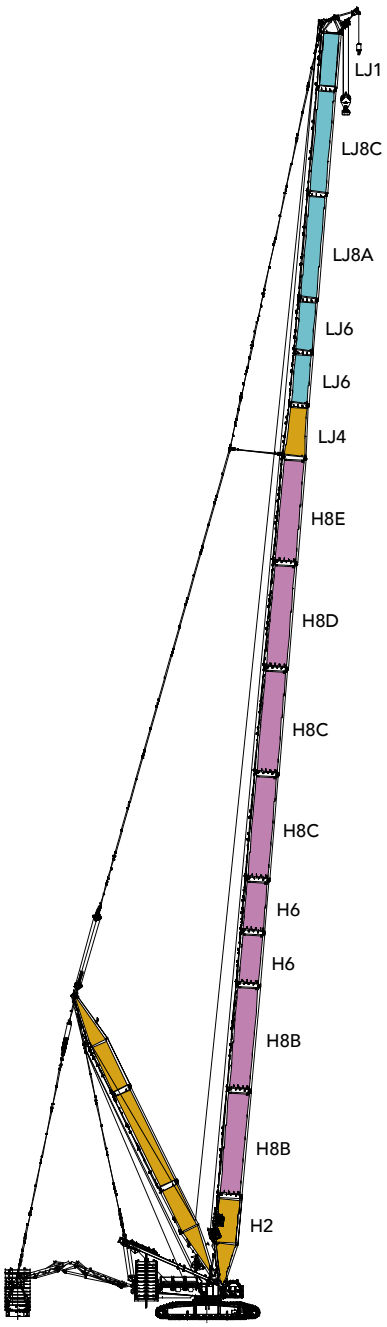
Load Chart of HJ_4 Configuration

SCC7000A-HJ_4 Configuration								
Boom length: 84m~102m, Rear counterweight: 210t, Carbody counterweight:70t								
Radius (m)	84	87	90	93	96	99	102	Radius (m)
11	246	239	235					11
12	227	221	217	211	208	203		12
14	196	191	188	183	181	176	174	14
16	172	167	165	161	159	155	153	16
18	152	148	147	143	141	138	136	18
20	136	133	131	128	127	123	122	20
22	123	120	118	115	114	111	110	22
24	112	109	107	104	104	101	99.3	24
26	102	98.9	97.9	95	94.3	91.5	90.4	26
28	93.4	90.6	89.6	86.8	86.3	83.6	82.6	28
30	85.9	83.3	82.3	79.7	79.2	76.6	75.7	30
32	79.3	76.8	75.9	73.4	72.9	70.5	69.6	32
34	73.5	71	70.1	67.7	67.3	64.9	64.1	34
36	68.2	65.8	65	62.6	62.3	60	59.1	36
38	63.4	61.1	60.3	58	57.7	55.5	54.7	38
40	59.1	56.8	56.1	53.9	53.6	51.4	50.6	40
44	50.7	49.2	48.7	46.6	46.3	44.2	43.5	44
48	43.8	42.3	42	40.4	40.2	38.2	37.5	48
52	38	36.5	36.3	34.8	34.9	33	32.3	52
56	33.1	31.6	31.3	29.9	30	28.5	27.8	56
60	28.9	27.4	27.1	25.7	25.7	24.3	23.9	60
64	25.2	23.7	23.4	21.5	20.6	20.6	20.3	64
68	21.9	20.5	19.4	16.2	15.6	17.4	17	68
72	19	16	14.9	12.1	11.2	14.6	14.2	72
76		12.2	10.8	7.9	7.3	12	11.6	76
80			7.2			9.7	9.3	80
84						7.7	7.2	84
88						5.8	5.3	88

HJDB Conmbination

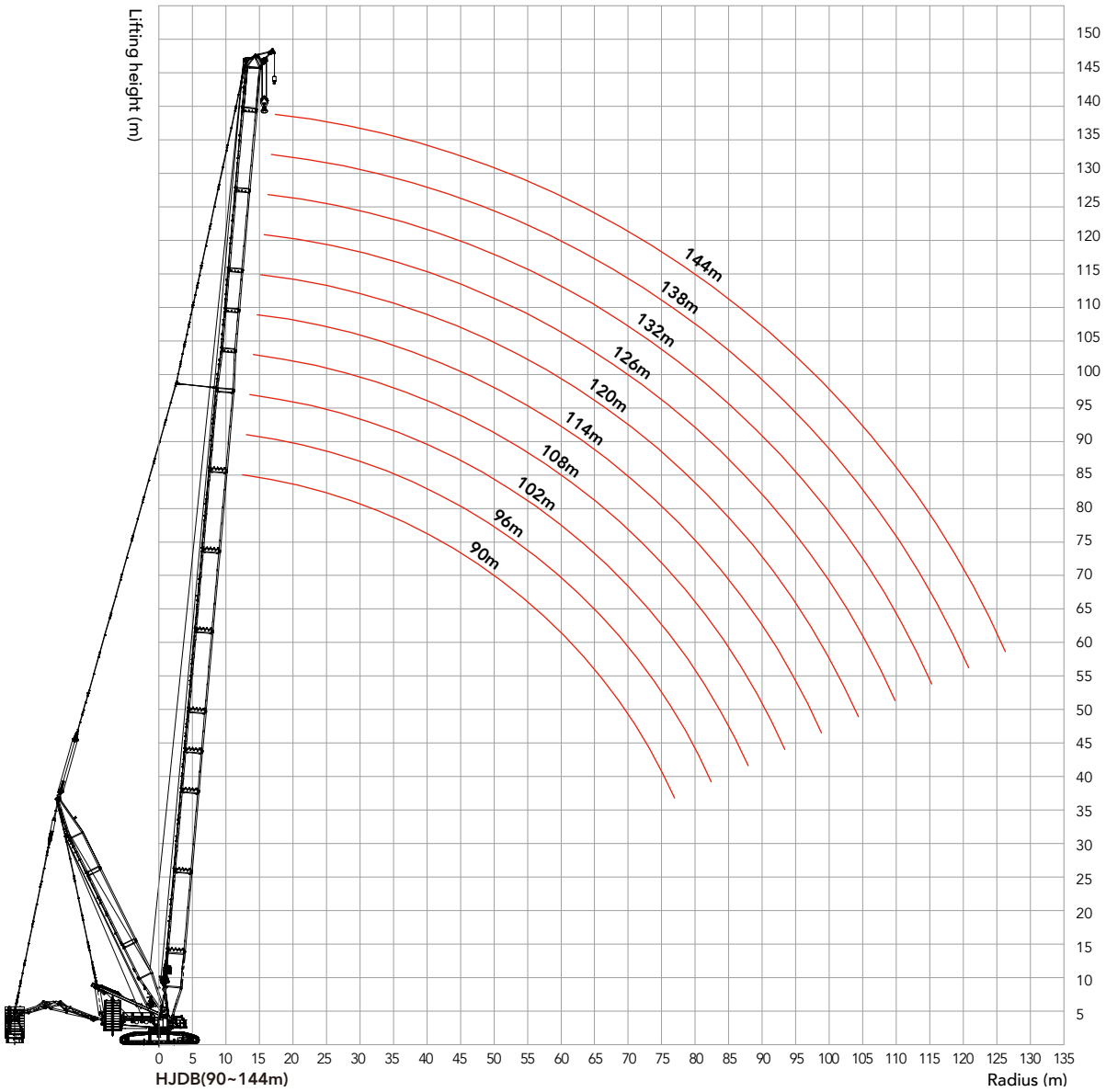
HJDB_Boom Combination				
Boom length(m)	Boom insert		Jib insert	
	6m	12m	6m	12m
90*	1	3	-	2
96*	2	3	-	2
102*	1	4	-	2
108*	2	4	-	2
114*	1	5	-	2
120*	2	5	-	2
126*	1	6	-	2
132*	2	6	-	2
138*	2	6	1	2
144*	2	6	2	2

Note: 10.5m boom base, 6m tapered section and 7.5m jib top are must. For combinations marked with "*", the mid-point suspension cable is must, otherwise, the boom may break.



HJDB(90~144m)

Work Radius of HJDB Configuration



Unit: t

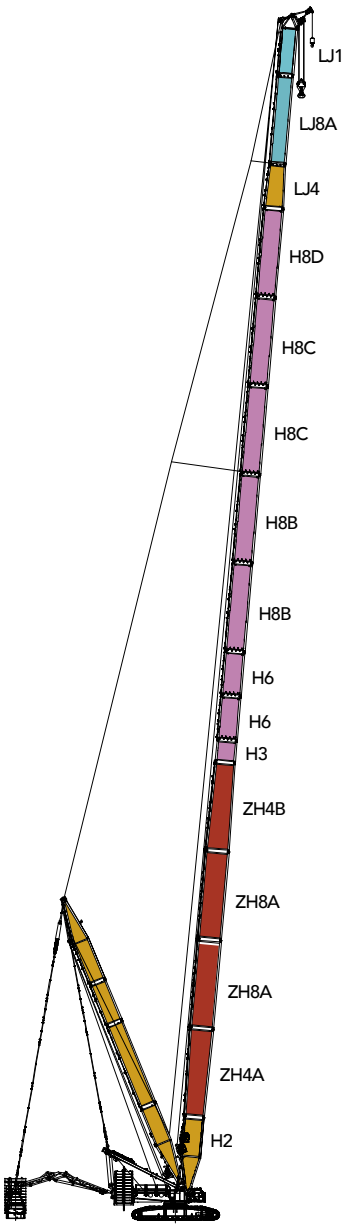
Load Chart of HJDB Configuration

SCC7000A-HJDB Configuration											
Boom length: 90m~144m, Superlift radius: 21m, Superlift counterweight: 0t~360t Rear counterweight: 210t, Carbody counterweight:70t											
Radius (m)	90	96	102	108	114	120	126	132	138	144	Radius (m)
14	265	235	217								14
16	258	234	216	187	170	145					16
18	252	233	214	187	169	144	134	122	101		18
20	247	230	212	187	166	142	133	122	99.5	86.5	20
22	242	227	210	183	164	141	133	122	98.6	86.0	22
24	236	224	208	179	162	140	133	121	96.8	85.5	24
26	230	221	206	175	160	138	133	121	95.7	84.5	26
28	224	217	203	172	157	136	132	120	94.4	84.0	28
30	218	213	200	168	155	134	132	120	93.1	83.0	30
32	212	208	196	164	153	132	131	120	91.8	82.5	32
34	205	201	191	160	150	130	130	119	90.8	82.0	34
36	198	194	185	157	147	128	128	119	89.3	81.0	36
38	191	187	178	154	144	126	126	118	87.5	80.5	38
40	184	179	171	151	141	124	124	118	86.2	80.0	40
44	169	165	159	144	135	120	120	116	83.1	76.3	44
48	155	152	147	137	129	116	116	111	80.4	67.6	48
52	142	140	135	129	123	112	111	101	77.5	59.6	52
56	130	129	125	123	116	108	101	91.1	70.0	52.0	56
60	120	119	116	115	109	103	92.5	82.6	61.8	45.0	60
64	110	109	107	106	102	93.5	84.1	74.4	54.8	38.8	64
68	101	100	98.8	97.7	93.6	84.7	76.0	67.4	48.2	32.8	68
72	94.0	92.0	91.1	89.9	84.4	77.4	68.0	60.1	42.1	27.2	72
76	86.9	85.3	84.5	83.1	76.9	70.2	61.8	53.0	36.4	22.0	76
80	82.3	79.5	78.5	77.1	69.6	63.1	54.8	47.2	31.0	17.1	80
84			72.9	69.2	61.8	56.0	48.2	41.8	25.2	12.6	84
88			66.0	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

HJDB_4 Conmbination

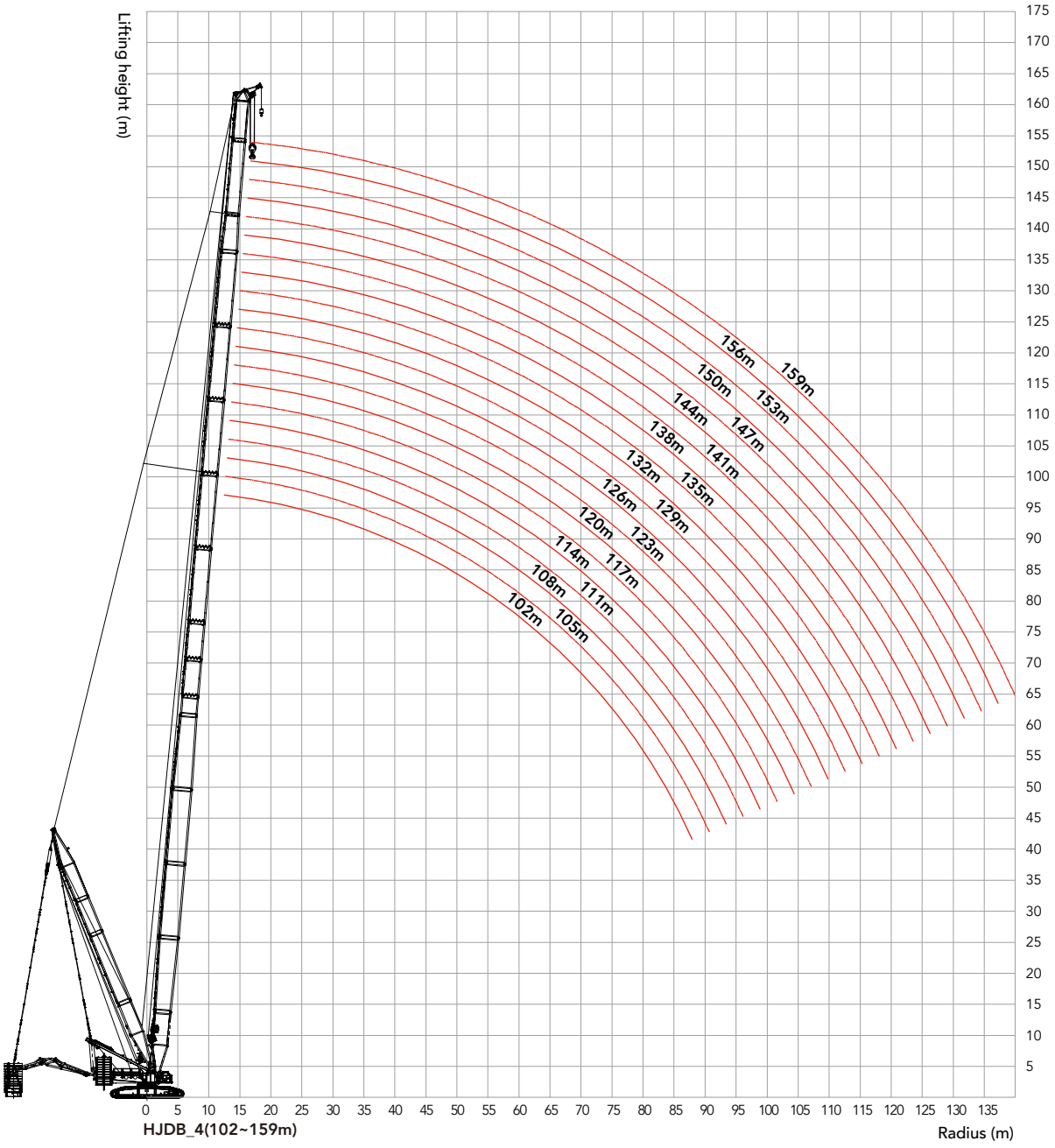
HJDB_4 Boom Combination				
Boom length(m)	Power boom	Boom insert		
	12m	3m	6m	12m
102	4	-	1	1
105	4	1	1	1
108	4	-	2	1
111	4	1	2	1
114	4	-	1	2
117	4	1	1	2
120	4	-	2	2
123	4	1	2	2
126*	4	-	1	3
129*	4	1	1	3
132*	4	-	2	3
135*	4	1	2	3
138*	4	-	1	4
141*	4	1	1	4
144*	4	-	2	4
147*	4	1	2	4
150*	4	-	1	5
153*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

Note: Boom base, 6m tapered section, 12m jib insert and jib top are must.
For combinations from 126m~159m, the mid-point suspension cable is must, otherwise, the boom may break.



HJDB_4(102~159m)

Working Radius of HJDB_4



HJDB_4(102~159m)

Unit: t

Load Chart of HJDB_4 Configuration

SCC7000A-HJDB_4 Configuration 1/2											
Boom length: 102m~159m, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight:70t											
Radius(m)	102	105	108	111	114	117	120	123	126	129	Radius(m)
14	305										14
16	305	310	294	278	261	245	231	217			16
18	305	310	296	278	261	245	231	217	203	189	18
20	305	310	295	278	261	245	231	217	203	189	20
22	298	292	286	278	261	245	231	217	202	189	22
24	275	269	264	258	253	245	230	217	200	189	24
26	255	250	244	239	235	230	225	215	199	189	26
28	251	233	228	223	219	214	210	206	197	189	28
30	235	230	214	209	205	201	197	192	190	186	30
32	222	217	212	208	193	189	185	181	178	175	32
34	209	205	201	196	193	188	175	171	168	165	34
36	198	194	190	186	182	178	175	162	159	156	36
38	188	184	181	177	173	169	166	162	160	148	38
40	179	176	172	168	165	161	158	155	152	149	40
44	163	160	157	153	151	147	144	141	139	136	44
48	159	155	144	141	138	135	132	129	128	125	48
52	146	143	141	138	128	125	122	119	118	115	52
56	135	132	130	128	126	123	120	110	109	106	56
60	133	123	121	118	117	114	112	109	108	99.3	60
64	123	121	120	110	109	106	104	102	101	99.0	64
68	115	113	112	110	101	99.6	97.8	95.6	93.1	92.5	68
72	110	105	104	102	101	95.1	91.4	86.3	84.0	86.6	72
76	103	102	97.2	94.6	90.6	85.6	82.7	77.0	75.4	81.1	76
80	94.6	90.1	88.4	85.1	81.8	76.3	73.1	68.1	67.1	81.9	80
84	83.3	79.7	77.4	74.9	71.2	67.3	63.9	59.4	59.0	76.9	84
88	72.3	69.7	68.0	65.0	62.9	58.9	56.8	52.7	52.0	72.1	88
92		59.9	57.7	56.5	55.0	51.5	48.2	44.7	45.5	67.5	92
96				48.3	47.5	43.6	41.6	38.8	38.3	66.8	96
100					39.2	35.9	35.4	31.4	32.9	62.4	100
104							27.8	25.9	26.4	58.4	104
108								19.4	21.6	54.6	108
112										51.0	112

Unit: t

Load Chart of HJDB_4 Configuration

SCC7000A-HJDB_4 Configuration 2/2

Boom length: 102m~159m, Superlift radius: 21m, Superlift counterweight: 0t~360t,
Rear counterweight: 210t, Carbody counterweight:70t

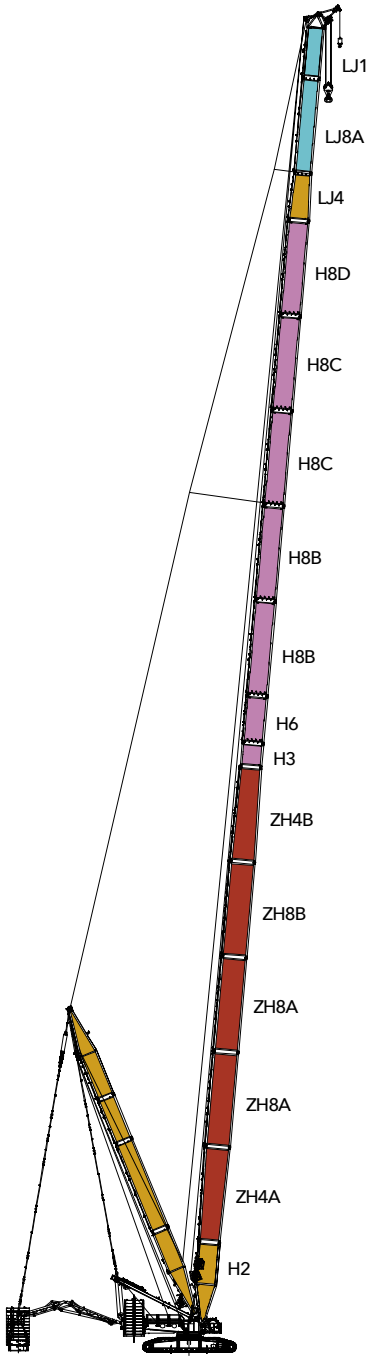
Radius(m)	132	135	138	141	144	147	150	153	156	159	Radius(m)
14											14
16											16
18	181	171	160	152							18
20	181	171	160	151	144	136	125	118	111	105	20
22	181	171	160	151	143	135	124	117	111	105	22
24	181	171	159	150	142	134	123	116	110	104	24
26	181	171	158	149	141	133	122	115	109	103	26
28	181	170	157	148	140	132	121	115	108	102	28
30	180	169	156	147	139	131	120	114	108	101	30
32	171	168	155	146	138	130	119	113	107	100	32
34	161	158	154	145	137	129	119	112	106	99.6	34
36	153	149	147	144	136	128	118	111	105	98.9	36
38	145	141	140	136	134	127	117	110	104	98.1	38
40	146	134	133	130	127	124	116	110	103	97.4	40
44	133	130	128	125	115	112	111	108	102	95.9	44
48	122	119	117	115	112	109	108	106	97.1	94.4	48
52	112	110	108	105	103	101	100	97.5	95.3	92.8	52
56	104	101	100	98.0	95.8	93.2	92.4	90.0	87.9	85.5	56
60	97.1	94.6	93.4	91.0	88.8	86.4	85.7	83.3	81.3	79.0	60
64	96.9	88.1	87.0	84.7	82.7	80.4	79.7	77.4	75.5	73.3	64
68	90.6	88.3	87.3	85.0	77.1	74.9	74.3	72.1	70.3	68.1	68
72	84.8	82.6	81.7	79.5	77.7	75.5	69.4	67.3	65.5	63.4	72
76	79.4	77.4	76.6	74.5	72.8	70.7	70.3	68.2	61.1	59.1	76
80	74.4	72.5	71.8	69.9	68.2	66.3	65.9	63.9	62.2	60.3	80
84	75.5	73.6	67.4	65.6	64.0	62.1	61.8	59.9	58.3	56.4	84
88	70.8	69.1	68.7	66.9	60.0	58.2	58.0	56.2	54.7	52.8	88
92	66.4	64.8	64.5	62.9	61.5	59.7	54.5	52.7	51.3	49.5	92
96	66.1	60.8	60.6	59.0	57.7	56.1	56.0	54.3	48.0	46.3	96
100	61.7	60.6	56.8	55.3	54.1	52.6	52.6	51.0	49.7	43.3	100
104	57.6	56.5	56.7	55.7	50.7	49.3	49.4	47.9	46.6	45.0	104
108	53.8	52.7	53.0	51.9	51.1	50.1	46.3	44.8	43.6	42.1	108
112	50.3	49.2	49.4	48.4	47.6	46.6	47.1	41.9	40.8	39.4	112
116	47.0	45.9	46.1	45.1	44.3	43.3	43.8	42.8	42.0	36.7	116
120			43.1	42.0	41.3	40.2	40.8	39.7	39.0	37.9	120
124				39.1	38.4	37.3	37.9	36.8	36.1	35.0	124
128						34.6	35.2	34.1	33.4	32.3	128
132							32.6	31.6	30.8	29.8	132
136									28.4	27.4	136
140										25.1	140

HJDB_5 Combination

HJDB_5 Boom Combination

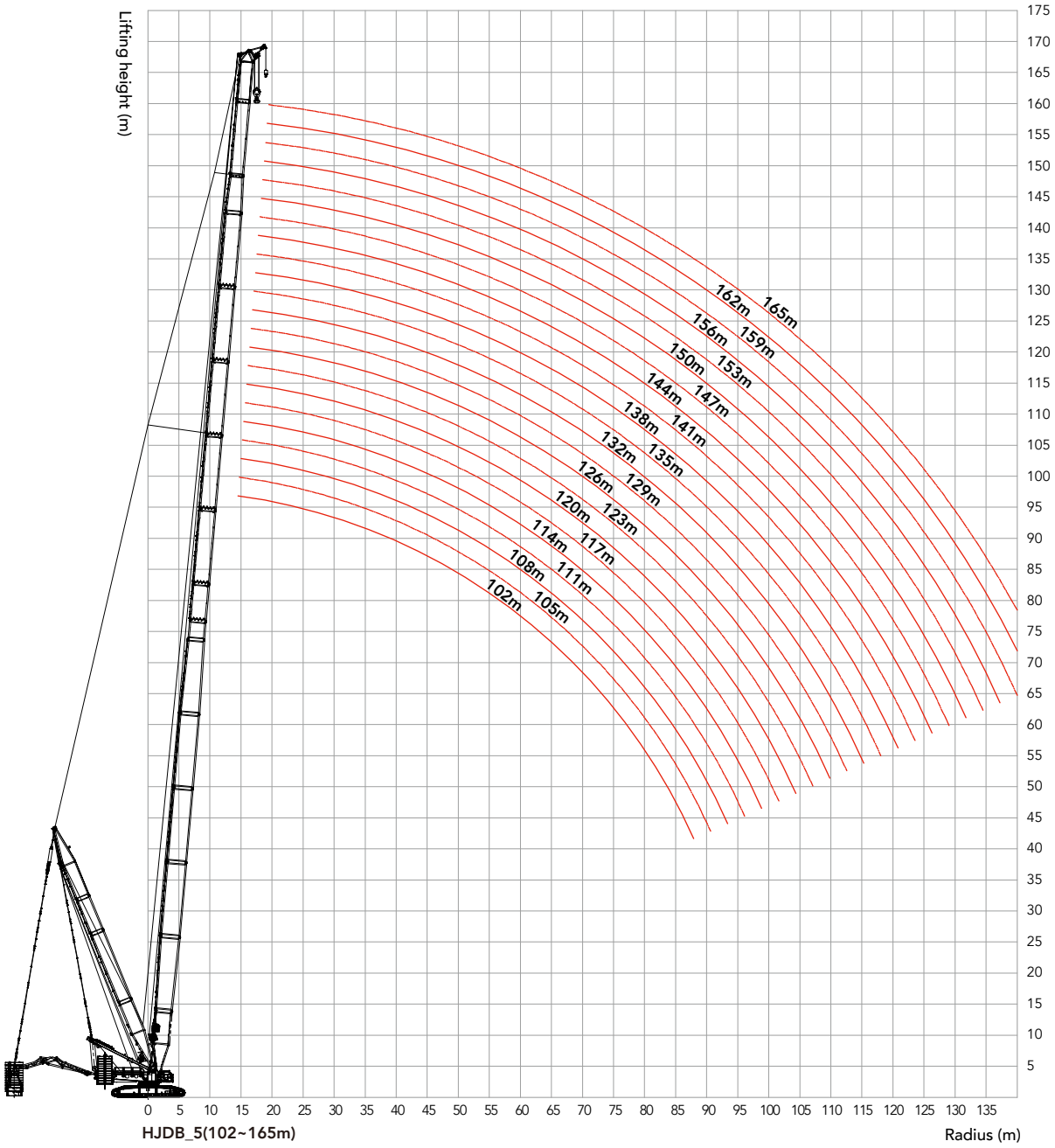
Boom length(m)	Power boom	Boom insert		
	12m	3m	6m	12m
102	5	-	1	-
105	5	1	1	-
108	5	-	2	-
111	5	1	2	-
114	5	-	1	1
117	5	1	1	1
120	5	-	2	1
123*	5	1	2	1
126*	5	-	1	2
129*	5	1	1	2
132*	5	-	2	2
135*	5	1	2	2
138*	5	-	1	3
141*	5	1	1	3
144*	5	-	2	3
147*	5	1	2	3
150*	5	-	1	4
153*	5	1	1	4
156*	5	-	2	4
159*	5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

Note: Boom base, 6m tapered section, 12m jib insert and jib top are must.
For combinations from 126m~165m, the mid-point suspension cable is must, otherwise, the boom may break.



HJDB_5(102~165m)

Working Radius of HJDB_5 configuration



Unit: t

Load Chart of HJDB_5 Configuartion

SCC7000A-HJDB_5 Configuration 1/2												
Boom length: 102m~159m, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight:70t												
Radius(m)	102	105	108	111	114	117	120	123	126	129	132	Radius(m)
14	321											14
16	321	314	307	287	272	254	240	226				16
18	321	314	307	287	272	254	240	226	216	203	190	18
20	321	314	307	287	272	254	240	226	216	202	190	20
22	298	292	286	280	272	254	240	226	216	203	190	22
24	275	269	263	258	253	248	240	226	216	203	190	24
26	255	249	244	239	235	230	225	221	216	203	190	26
28	251	233	228	223	219	214	210	205	202	198	190	28
30	235	230	214	209	205	201	197	192	189	185	182	30
32	221	216	212	207	193	189	185	181	178	174	170	32
34	209	205	200	196	192	188	174	171	168	164	161	34
36	198	194	190	186	182	178	175	161	159	155	152	36
38	188	184	181	176	173	169	166	162	159	147	144	38
40	179	175	172	168	165	161	158	154	152	148	145	40
44	163	160	157	153	151	147	144	141	138	135	132	44
48	159	155	144	141	138	135	132	129	127	124	121	48
52	146	143	141	138	127	124	122	119	117	114	112	52
56	135	132	130	127	126	123	120	110	108	106	103	56
60	133	123	121	118	117	114	112	109	107	98.4	96.3	60
64	123	121	120	110	109	106	104	102	100	98.1	96.1	64
68	114	113	111	109	101	99.4	97.7	95.4	94.0	91.7	89.7	68
72	110	105	104	102	101	96.3	91.3	89.2	87.9	85.7	83.9	72
76	103	101	97.0	93.3	91.3	87.4	82.6	89.7	82.2	80.2	78.6	76
80	95.2	90.9	88.0	82.5	82.1	76.6	73.5	84.0	83.0	81.1	73.6	80
84	83.4	79.9	78.0	73.1	73.2	68.3	64.7	78.6	77.8	76.0	74.6	84
88	73.3	69.6	68.1	64.0	63.5	59.2	56.4	73.5	72.9	71.3	70.0	88
92		59.3	58.6	55.2	55.2	50.8	49.3	72.3	72.0	66.7	65.6	92
96				46.7	47.3	43.4	41.5	67.5	67.2	66.0	65.3	96
100					39.6	36.3	34.9	63.0	62.7	61.6	60.9	100
104							27.9	58.9	58.7	57.5	56.8	104
108								55.1	54.9	53.7	53.0	108
112										50.2	49.5	112
116											46.2	116

Unit: t

Load Chart of HJDB_5 Configuartion

SCC7000A-HJDB_5 Configuration 2/2

Boom length: 102m~159m, Superlift radius: 21m, Superlift counterweight: 0t~360t,
Rear counterweight: 210t, Carbody counterweight:70t

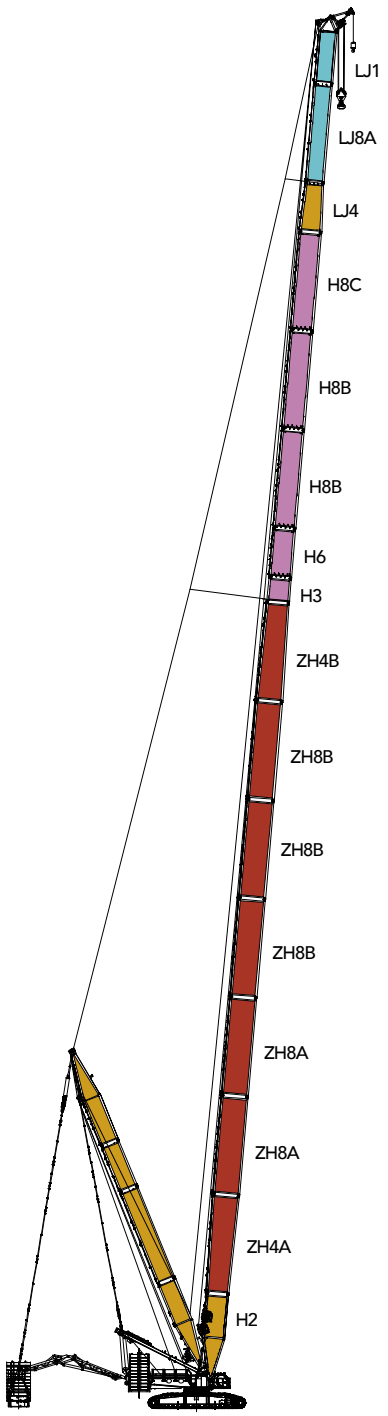
Radius(m)	135	138	141	144	147	150	153	156	159	162	165	Radius(m)
14												14
16												16
18	180	169	160									18
20	180	169	160	153	144	135	127	120	113			20
22	180	169	160	153	144	134	126	119	112	104	97.6	22
24	180	169	160	152	143	133	125	118	111	103	96.8	24
26	180	169	159	151	142	132	124	118	111	102	95.9	26
28	180	169	158	150	141	131	124	117	110	101	95.0	28
30	178	168	157	149	140	130	123	116	109	100	94.2	30
32	167	165	156	148	139	129	122	115	108	99.4	93.4	32
34	157	155	152	147	138	128	121	114	107	98.6	92.6	34
36	148	147	143	140	137	127	120	113	107	97.7	91.8	36
38	141	139	136	133	130	127	119	113	106	97.0	91.0	38
40	134	132	129	126	123	122	118	112	105	96.2	90.3	40
44	129	127	124	114	112	110	107	105	103	94.7	89.0	44
48	118	117	114	111	109	107	105	96.0	93.5	92.7	87.7	48
52	109	107	105	102	100	98.9	96.3	94.2	91.7	90.9	82.4	52
56	101	99.8	97.2	95.0	92.5	91.3	88.8	86.7	84.3	83.7	81.3	56
60	93.7	92.7	90.2	88.1	85.6	84.6	82.2	80.2	77.9	77.3	75.0	60
64	87.2	86.3	83.9	81.9	79.6	78.6	76.3	74.4	72.1	71.6	69.4	64
68	87.4	86.6	84.2	76.3	74.1	73.2	71.0	69.1	66.9	66.5	64.4	68
72	81.7	81.0	78.8	76.9	74.7	68.3	66.1	64.4	62.2	61.9	59.8	72
76	76.5	75.9	73.8	72.0	69.9	69.2	67.1	60.0	58.0	57.6	55.6	76
80	71.6	71.1	69.1	67.5	65.5	64.8	62.8	61.1	59.1	58.8	51.8	80
84	72.8	66.7	64.8	63.3	61.3	60.7	58.8	57.2	55.2	55.0	53.1	84
88	68.3	68.0	66.1	59.3	57.4	56.9	55.1	53.5	51.7	51.5	49.6	88
92	64.0	63.8	62.1	60.7	58.9	53.4	51.6	50.1	48.3	48.2	46.4	92
96	59.9	59.8	58.2	57.0	55.3	54.9	53.2	46.9	45.1	45.1	43.3	96
100	59.8	56.0	54.6	53.4	51.8	51.5	49.9	48.5	42.1	42.1	40.4	100
104	55.7	56.0	54.9	49.9	48.5	48.3	46.7	45.5	43.8	43.9	37.7	104
108	51.9	52.3	51.1	50.4	49.3	45.2	43.7	42.5	40.9	41.1	39.5	108
112	48.4	48.7	47.6	46.9	45.8	46.0	40.7	39.7	38.2	38.4	36.8	112
116	45.1	45.4	44.3	43.6	42.5	42.8	41.7	40.9	35.5	35.8	34.3	116
120		42.4	41.3	40.5	39.4	39.7	38.6	37.8	36.7	37.3	31.8	120
124			38.4	37.6	36.5	36.8	35.7	35.0	33.9	34.5	33.4	124
128					33.8	34.1	33.0	32.3	31.2	31.8	30.7	128
132						31.6	30.5	29.7	28.6	29.3	28.2	132
136								27.3	26.2	26.9	25.8	136
140									24.0	24.6	23.5	140
144											21.4	144

Unit: t

HJDB_7 Boom Combination

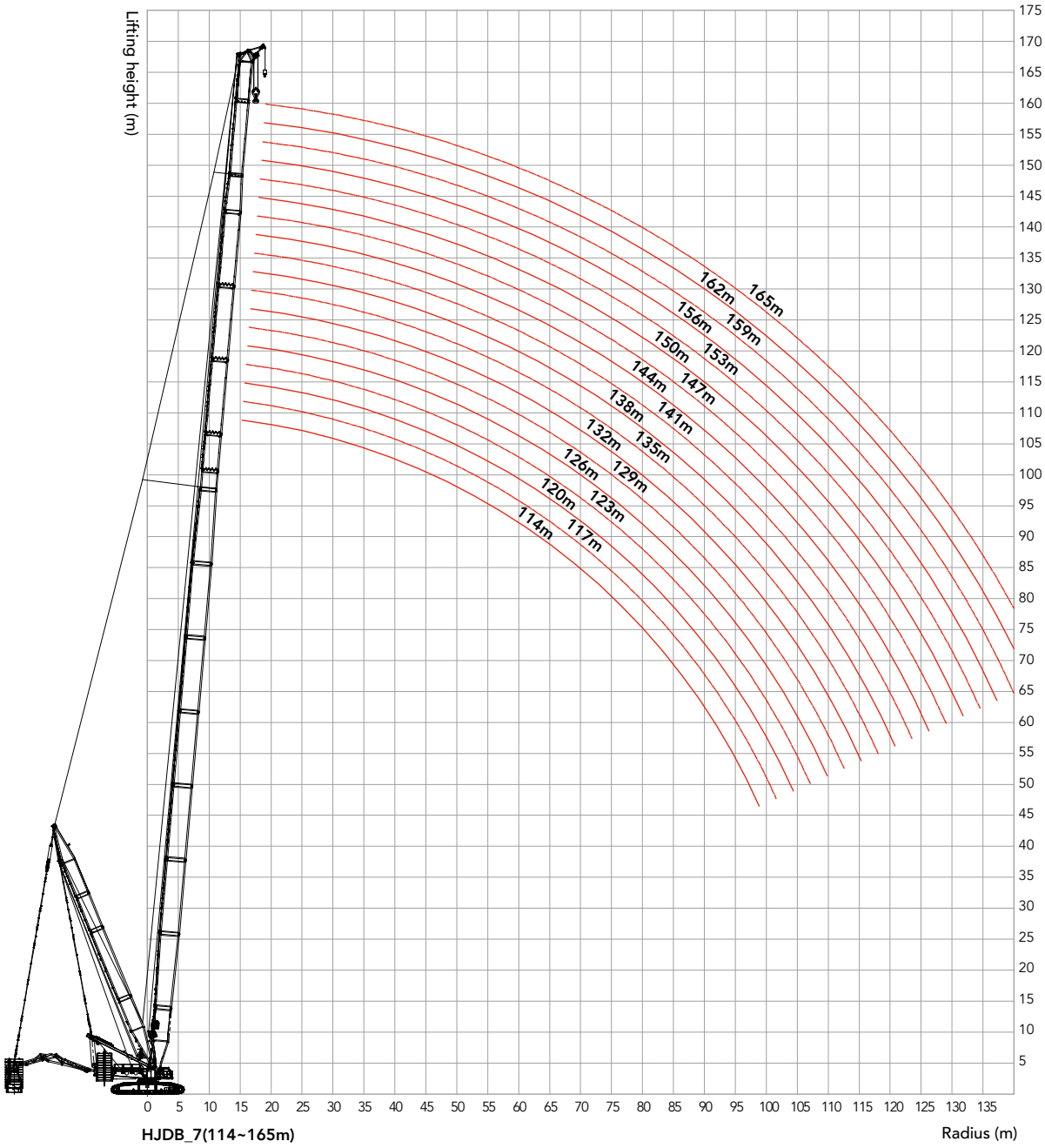
HJDB_7 Boom Combination				
Boom length(m)	Power boom	Boom insert		
	12m	3m	6m	12m
114	6	-	1	-
117	6	1	1	-
120	7	-	-	-
123	7	1	-	-
126*	7	-	1	-
129*	7	1	1	-
132*	7	-	2	-
135*	7	1	2	-
138*	7	-	1	1
141*	7	1	1	1
144*	7	-	-	2
147*	7	1	-	2
150*	7	-	1	2
153*	7	1	1	2
156*	7	-	2	2
159*	7	1	2	2
162*	7	-	1	3
165*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

Note: Boom base, 6m tapered section, 12m jib insert and jib top are must. For combinations from 126m~165m, the mid-point suspension cable is must, otherwise, the boom may break.



HJDB_7(114~165m)

Working Radius of HJDB_7 configuration



HJDB_7(114~165m)

Unit: t

Load chart of HJDB_7 configuration

SCC7000A- HJDB_7 configuration

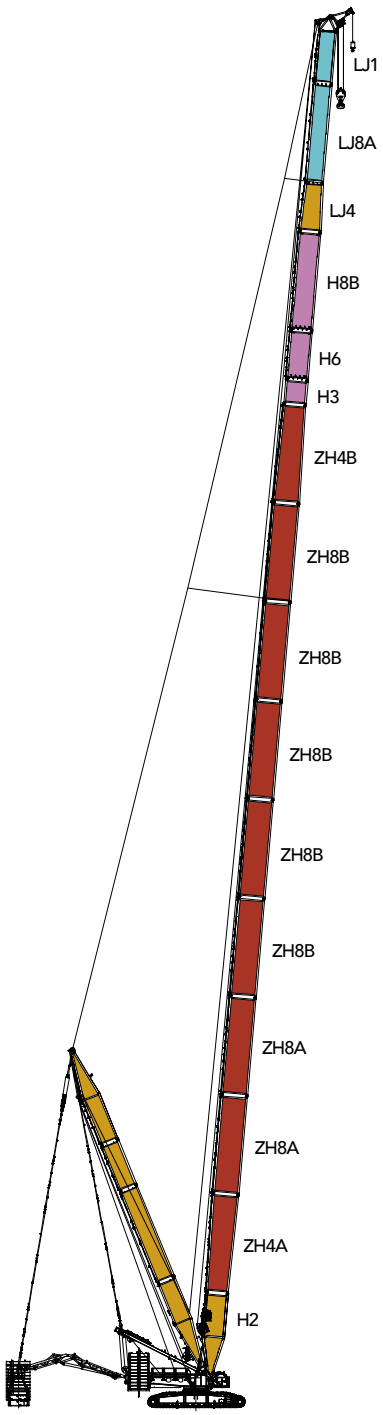
Boom length: 114m~165m, Superlift radius: 21m, Superlift Counterweight: 0t~360t,
Rear counterweight: 210t, Carbody counterweight:70t

Radius (m)	114	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
16	285	255	240															16
18	285	255	240	231	220	208	197	186	176									18
20	285	255	240	231	220	208	197	186	176	166	156	150	142	134	128			20
22	275	255	240	231	220	208	197	186	176	166	156	150	142	134	127	120	113	22
24	253	243	238	231	220	208	197	186	176	166	156	150	142	134	126	119	112	24
26	234	225	220	217	212	208	197	186	176	166	156	150	141	133	126	118	111	26
28	219	210	205	202	197	194	190	186	176	166	156	150	140	132	125	117	110	28
30	205	196	192	189	185	181	177	175	171	166	156	148	139	132	124	117	110	30
32	193	185	181	177	173	170	166	164	160	157	154	147	139	131	123	116	109	32
34	182	174	170	167	163	160	157	154	151	148	145	143	138	130	122	115	108	34
36	172	165	161	158	155	152	148	146	142	139	136	134	131	129	122	114	107	36
38	164	157	153	150	147	144	140	138	135	132	137	135	124	122	119	113	107	38
40	165	149	145	143	139	137	133	131	128	125	130	128	125	123	112	111	106	40
44	150	144	140	130	127	124	121	119	116	113	118	116	113	111	108	107	104	44
48	138	132	129	127	123	121	111	109	106	103	108	106	103	101	98.5	97.5	95.0	48
52	127	122	119	117	114	111	108	106	104	95.2	99.2	97.5	94.8	92.6	90.1	89.1	86.7	52
56	118	113	110	108	105	103	100	98.9	96.2	94.0	91.5	89.8	87.3	85.2	82.7	81.9	79.5	56
60	116	105	102	100	98.1	96.0	93.3	91.7	89.1	87.1	84.7	83.1	80.6	78.7	76.2	75.5	73.1	60
64	108	104	102	93.8	91.3	89.3	86.8	85.3	82.8	80.9	78.6	77.1	74.7	72.8	70.5	69.8	67.5	64
68	101	97.5	95.2	93.7	91.3	83.3	80.9	79.5	77.2	75.3	79.0	77.6	75.2	67.6	65.3	64.7	62.5	68
72	94.6	91.0	88.9	87.6	85.4	83.6	81.3	74.2	72.0	70.2	73.8	72.4	70.1	68.3	66.1	60.1	57.9	72
76	94.7	85.1	79.9	82.0	79.9	78.3	76.1	74.9	72.7	65.5	69.0	67.7	65.5	63.8	61.6	61.0	58.9	76
80	84.5	75.0	69.8	76.7	74.7	73.3	71.2	70.2	68.1	66.5	64.5	63.3	61.2	59.6	57.4	57.0	54.9	80
84	73.9	66.7	62.3	77.5	75.7	68.6	66.7	65.7	63.7	62.2	60.4	59.3	57.2	55.6	53.6	53.2	51.2	84
88	64.8	58.7	53.0	72.6	70.9	69.7	62.4	61.5	59.7	58.2	61.8	60.8	53.5	52.0	50.0	49.7	47.7	88
92	55.9	50.2	45.9	67.9	66.3	65.3	63.6	62.8	55.8	54.5	58.0	57.0	55.1	53.6	46.7	46.4	44.5	92
96	47.5	42.0	39.1	67.0	62.0	61.0	59.5	58.9	57.2	55.9	54.3	53.5	51.6	50.2	48.4	48.1	41.4	96
100	39.5	35.0	31.7	62.6	61.4	57.0	55.5	55.1	53.5	52.4	50.8	50.1	48.3	47.0	45.2	45.0	43.2	100
104		28.3	24.8	58.5	57.3	56.6	55.4	51.4	49.9	48.9	52.0	46.8	45.1	43.9	42.2	42.1	40.3	104
108			19.0	54.7	53.5	52.8	51.6	51.4	50.2	45.6	48.2	48.0	46.8	41.0	39.3	39.3	37.6	108
112					50.0	49.3	48.1	47.9	46.7	46.0	44.7	44.5	43.3	42.5	36.5	36.6	34.9	112
116						46.0	44.8	44.6	43.4	42.7	41.5	41.2	40.0	39.3	38.1	38.5	32.4	116
120								41.5	40.3	39.6	38.4	38.1	36.9	36.2	35.0	35.5	34.3	120
124									37.4	36.7	35.5	35.3	34.1	33.3	32.2	32.6	31.4	124
128											32.8	32.5	31.4	30.7	29.5	29.9	28.7	128
132												30.0	28.8	28.1	26.9	27.4	26.2	132
136														25.7	24.5	25.0	23.8	136
140															22.3	22.7	21.6	140
144																	19.4	144

HJDB_9 Boom Combination

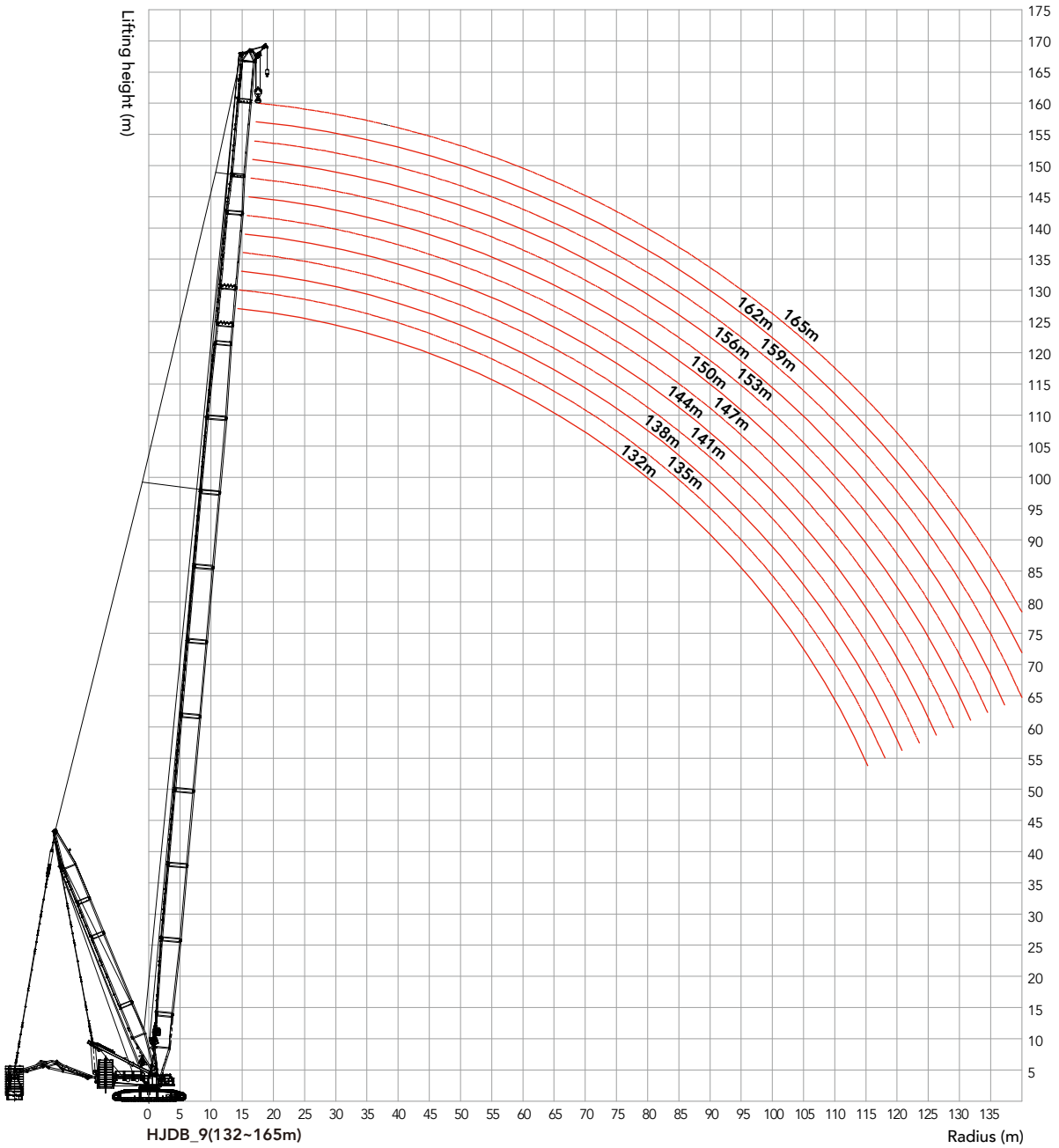
HJDB_9 Boom Combination				
Boom length(m)	Power boom	Boom insert		
	12m	3m	6m	12m
132*	8	0	0	0
135*	8	1	0	0
138*	8	0	1	0
141*	8	1	1	0
144*	9	0	0	0
147*	9	1	0	0
150*	9	0	1	0
153*	9	1	1	0
156*	9	0	0	1
159*	9	1	0	1
162*	9	0	1	1
165*	9	1	1	1

Note: Boom base, 6m tapered section, 12m jib insert and jib top are must. For combinations marked with "*", the mid-point suspension cable is must, otherwise, the boom may break.



HJDB_9(132~165m)

Working radius of HJDB_9 configuration



HJDB_9(132~165m)

Unit: t

Load chart of HJDB configuration

SCC7000A- HJDB_9 configuration

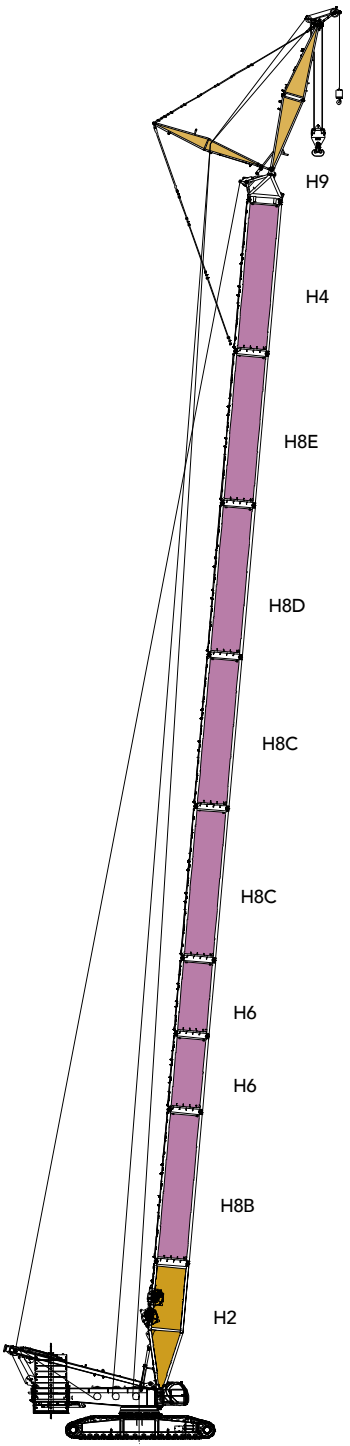
Boom length: 132m~165m, Superlift radius: 21m, Superlift counterweight: 0t~360t,
Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
18	214	202	192	182									18
20	214	203	192	182	173	165	157	149	142	135			20
22	215	204	192	183	174	165	157	149	142	135	129	122	22
24	214	203	193	183	174	165	157	150	143	135	128	122	24
26	215	203	193	183	174	165	158	150	143	135	128	121	26
28	209	203	193	183	175	166	158	150	142	135	128	120	28
30	194	190	187	183	175	167	159	149	142	135	127	120	30
32	182	178	175	171	168	165	158	149	142	134	126	119	32
34	171	167	164	160	158	154	151	148	141	133	126	118	34
36	161	157	154	151	148	145	142	139	137	132	125	117	36
38	152	148	146	142	140	137	134	131	129	126	124	117	38
40	144	141	138	135	132	129	127	124	122	119	116	114	40
44	137	134	131	128	126	122	120	117	115	112	110	107	44
48	132	129	126	123	114	111	108	106	104	101	99.3	96.7	48
52	121	118	116	113	111	108	105	96.3	94.7	92.0	90.0	87.4	52
56	112	109	106	104	102	99.4	97.2	94.4	92.8	90.2	88.1	79.4	56
60	103	101	98.9	96.1	94.4	91.6	89.6	86.9	85.4	82.8	80.9	78.4	60
64	96.5	93.8	91.7	89.1	87.5	84.8	82.8	80.3	78.9	76.4	74.5	72.0	64
68	96.3	87.3	85.3	82.8	81.3	78.8	76.9	74.4	73.0	70.6	68.8	66.4	68
72	89.9	87.4	85.6	77.1	75.7	73.3	71.5	69.1	67.8	65.4	63.7	61.4	72
76	84.1	81.8	80.0	77.7	76.3	73.9	66.5	64.2	63.0	60.8	59.0	56.8	76
80	78.8	76.5	74.9	72.6	71.4	69.1	67.4	65.1	58.7	56.5	54.8	52.6	80
84	73.8	71.7	70.1	68.0	66.8	64.6	63.0	60.8	59.8	57.6	50.9	48.8	84
88	74.8	72.8	65.7	63.7	62.6	60.5	59.0	56.9	55.8	53.7	52.2	50.1	88
92	70.2	68.3	67.0	65.0	58.6	56.6	55.2	53.1	52.2	50.1	48.7	46.6	92
96	65.5	64.0	62.8	61.0	60.1	58.1	51.6	49.6	48.8	46.8	45.4	43.4	96
100	61.1	59.8	58.8	57.1	56.3	54.5	53.2	46.3	45.5	43.6	42.3	40.3	100
104	57.0	55.7	55.0	53.4	52.7	51.0	49.8	48.0	47.2	40.6	39.3	37.4	104
108	53.2	52.0	51.3	50.0	49.3	47.6	46.5	44.8	44.1	42.3	41.1	34.7	108
112	49.7	48.4	47.8	46.5	46.3	44.4	43.4	41.7	41.2	39.4	38.2	36.5	112
116	46.4	45.1	44.5	43.2	43.0	41.7	41.0	38.8	38.3	36.7	35.5	33.8	116
120			41.4	40.2	39.9	38.6	38.0	36.7	36.5	34.0	32.9	31.3	120
124				37.3	37.0	35.8	35.1	33.8	33.7	32.4	30.4	28.8	124
128						33.1	32.4	31.1	31.0	29.7	29.0	27.8	128
132							29.8	28.6	28.4	27.2	26.5	25.2	132
136									26.0	24.8	24.1	22.9	136
140										22.5	21.8	20.6	140
144												18.4	144

FJ Boom Combination

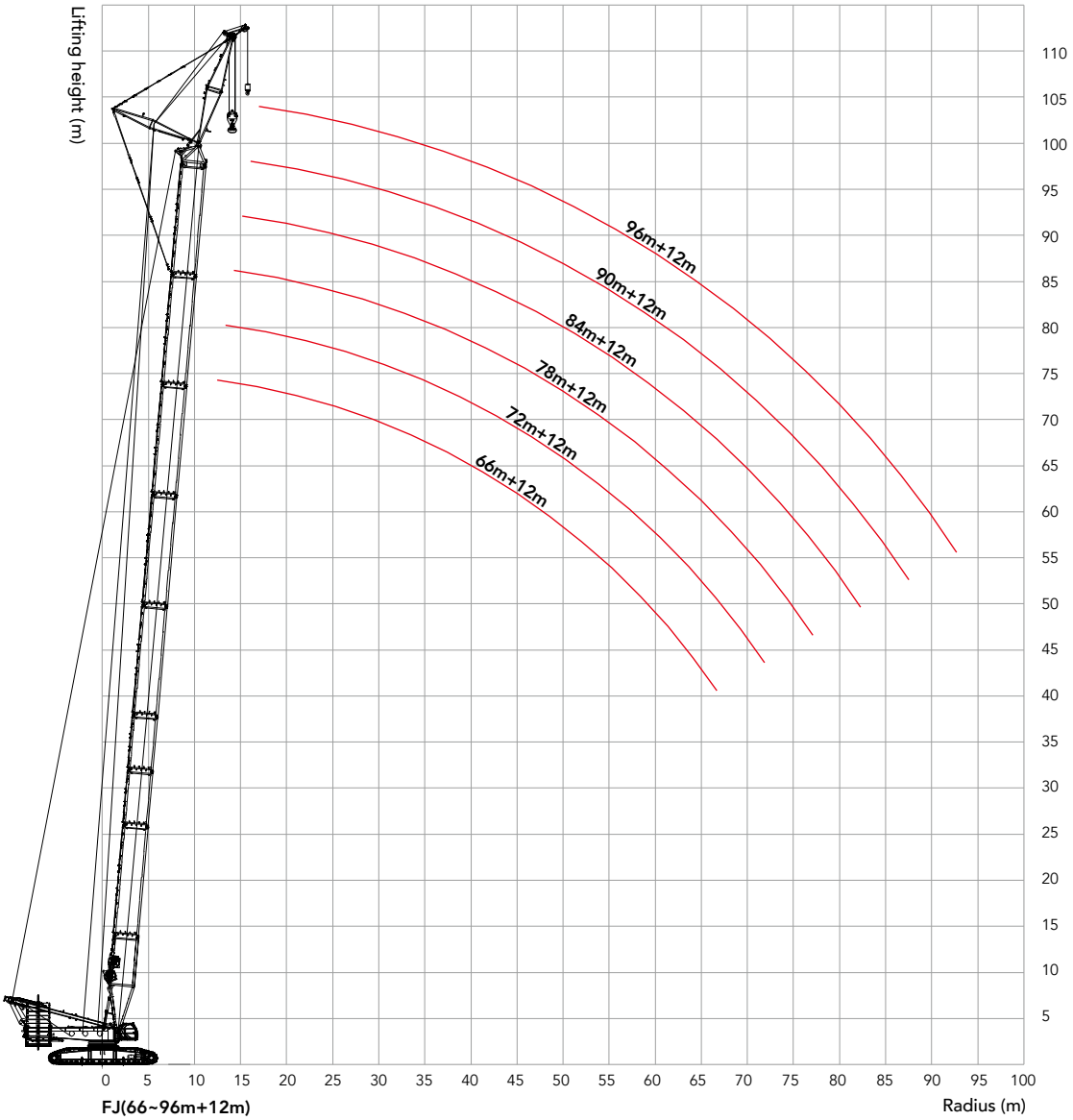
FJ Boom Combination			
Boom length(m)	Boom insert		
	6m	12m	
66	1	3	Fixed jib 12m
72	2	3	
78	1	4	
84	2	4	
90	1	5	
96	2	5	

Note: Boom base, 12m transition section, boom top are must.



FJ(66-96m+12m)

Working Radius of FJ configuration



FJ(66~96m+12m)

Unit: t

Load chart of FJ configuration

SCC7000A-FJ configuration 1/3							
Boom length: 66m~96m, Jib length:12m, Boom to jib angle: 10°, Rear counterweight: 210t, Carbody counterweight:70t							
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

SCC7000A-FJ configuration 2/3							
Boom length: 66m~96m, Jib length:12m, Boom to jib angle: 15°, Rear counterweight: 210t, Carbody counterweight:70t							
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

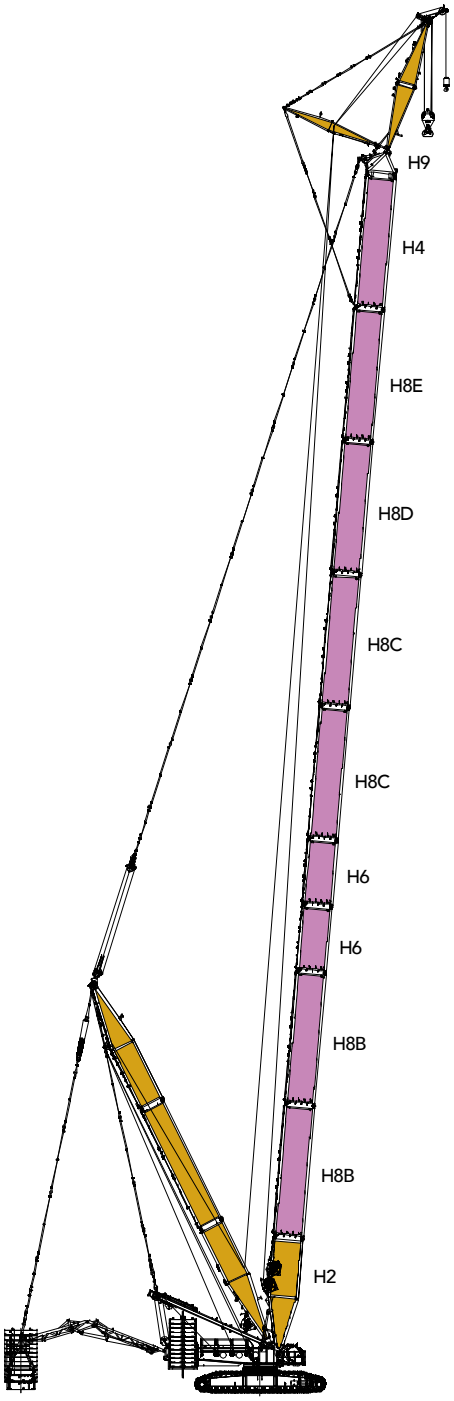
Load chart of FJ configuration

SCC7000A-FJ configuration 3/3							
Boom length: 66m~96m, Jib length:12m, Boom to jib angle: 20°, Rear counterweight: 210t, Carbody counterweight:70t							
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

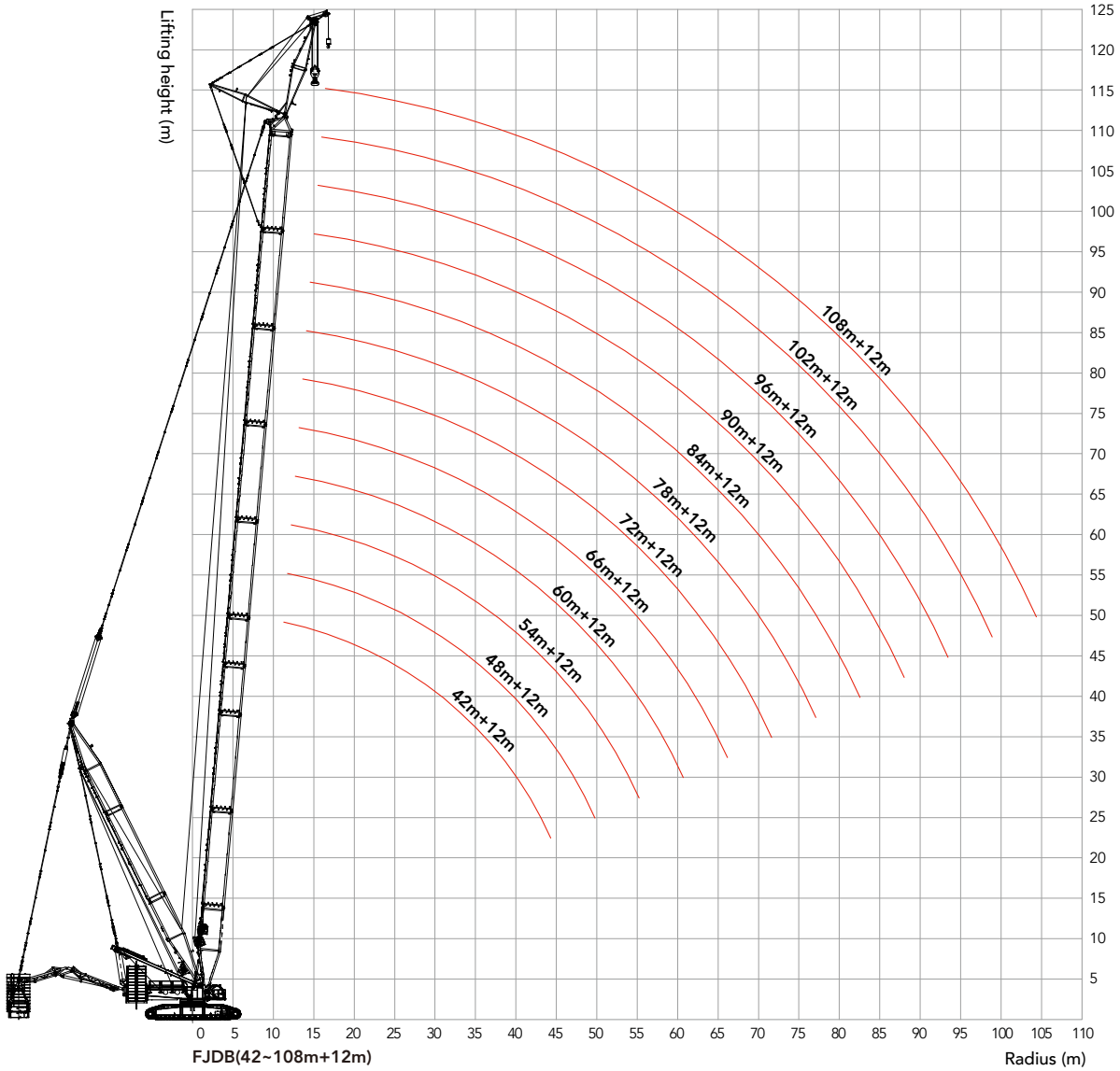
FJDB Boom Combination			
Boom length(m)	Boom insert		
	6m	12m	
42	1	1	
48	2	1	
54	1	2	
60	2	2	
66	1	3	
72	2	3	
78	1	4	Fixed jib 12m
84	2	4	
90	1	5	
96	2	5	
102	1	6	
108	2	6	

Note: Boom base, 12m transition section, boom top are must.



FJDB(42~108m+12m)

Working Radius of FJDB Configuration



FJDB(42~108m+12m)

Unit: t

Load Chart of FJDB Configuration

SCC7000A-FJDB configuration 1/3													
Boom length: 42m~108m, Jib length:12m, Boom to jib angle: 10°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight:70t													
Radius (m)	42	48	54	60	66	72	78	84	90	96	102	108	Radius (m)
11	168	168											11
12	164	168	168	168									12
14	151	153	158	164	166	168	168	168					14
16	138	142	147	151	155	159	164	166	168	168	165		16
18	127	130	138	142	145	150	155	158	161	162	164	149	18
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	105	111	115	118	121	123	126	129	30
32	85.1	90.3	93.9	98.8	100	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	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	102	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				63.7	65.7	69.0	70.3	74.2	76.7	78.9	81.0	82.9	60
64					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							61.1	63.3	64.7	66.5	68.4	71.4	76
80								61.4	62.8	64.9	66.8	68.7	80
84									61.1	63.2	64.1	66.7	84
88										60.9	62.2	62.6	88
92										59.4	59.4	57.7	92
96											54.8	53.1	96
100												49.0	100

Unit: t

Load Chart of FJDB Configuration

SCC7000A-FJDB configuration 2/3													
Boom length: 42m~108m, Jib length:12m, Boom to jib angle: 15°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight:70t													
Radius (m)	42	48	54	60	66	72	78	84	90	96	102	108	Radius (m)
12	157	162											12
14	144	147	152	157	160	164							14
16	132	136	142	145	150	152	157	159	161	163			16
18	121	125	133	136	140	143	148	151	154	156	158	147	18
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				61.6	63.8	66.1	67.6	71.1	73.8	76.3	78.7	79.9	60
64					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							58.8	60.6	62.3	64.3	66.5	68.8	76
80								58.8	60.4	62.8	64.9	66.2	80
84									58.8	61.1	62.3	64.3	84
88									57.2	58.9	60.4	62.5	88
92										57.4	58.6	58.0	92
96											55.0	53.4	96
100												49.2	100

Unit: t

Load Chart of FJDB Configuration

SCC7000A-FJDB configuration 3/3

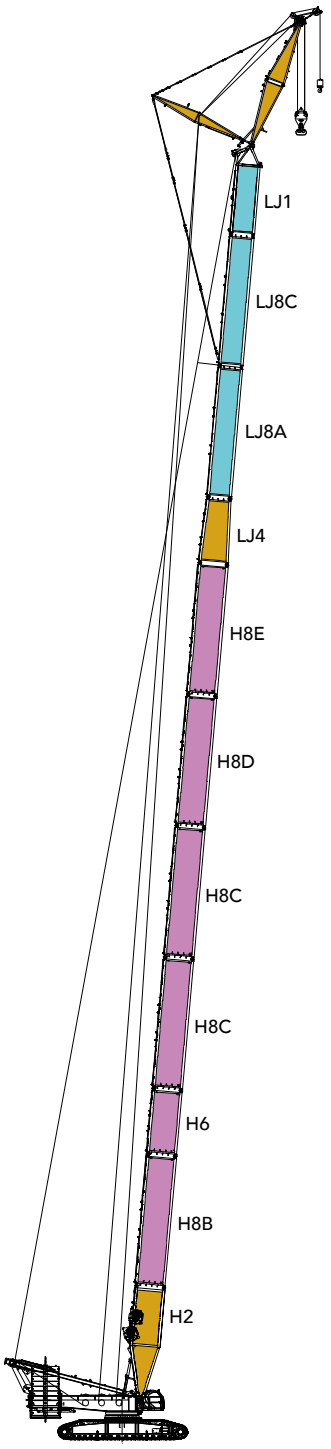
Boom length: 42m~108m, Jib length:12m, Boom to jib angle: 20°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight:70t

Radius (m)	42	48	54	60	66	72	78	84	90	96	102	108	Radius (m)
14	112	115	120	121									14
16	104	107	112	114	115	117	119	121					16
18	96.8	100	103	107	109	110	113	114	118	118	121	121	18
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			53.9	55.6	57.9	59.2	61.5	64.1	65.6	67.3	68.4	71.2	56
60				53.7	56.1	57.6	59.8	61.3	62.4	65.4	66.6	67.8	60
64					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							52.6	53.9	55.1	57.1	57.9	59.5	76
80								52.7	53.9	55.4	56.1	57.6	80
84									52.2	54.2	54.6	56.1	84
88									51.4	52.7	53.4	54.4	88
92										47.6	52.5	53.4	92
96											51.7	52.3	96
100												49.4	100

HJFJ Boom Combination

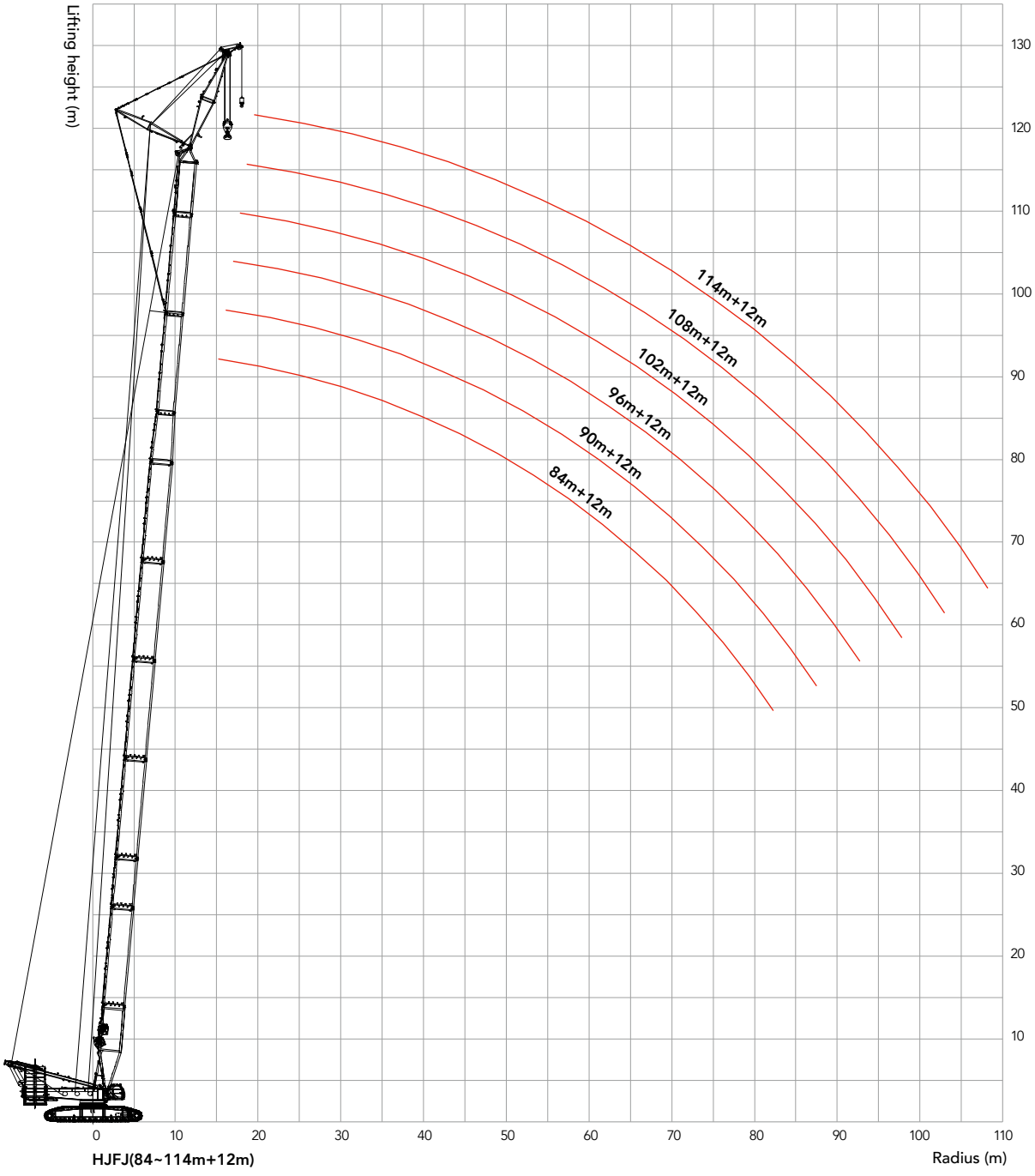
HJFJ Boom Combination				
Boom length(m)	Boom insert		Jib insert	
	6m	12m	12m	
84	-	4	1	Fixed jib 12m
90*	1	4	1	
96*	-	4	2	
102*	1	4	2	
108*	-	5	2	
114*	1	5	2	

Note: 10.5m boom base, 6m tapered section, 7.5m jib top are must.
For combinations marked with "*", the mid-suspension cable is must, otherwise, the boom may break.



HJFJ(84~114m+12m)

Working Radius of HJFJ Configuration



Unit: t

Load Chart of HJFJ Configuration

SCC7000A-HJFJ configuration 1/3							
Boom length: 84m~114m, Jib length:12m, Boom to jib angle: 10°, Rear counterweight: 210t, Carbody counterweight:70t							
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

Unit: t

Load Chart of HJFJ Configuration

SCC7000A-HJFJ configuration 2/3							
Boom length: 84m~114m, Jib length:12m, Boom to jib angle: 15°, Rear counterweight: 210t, Carbody counterweight:70t							
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

Unit: t

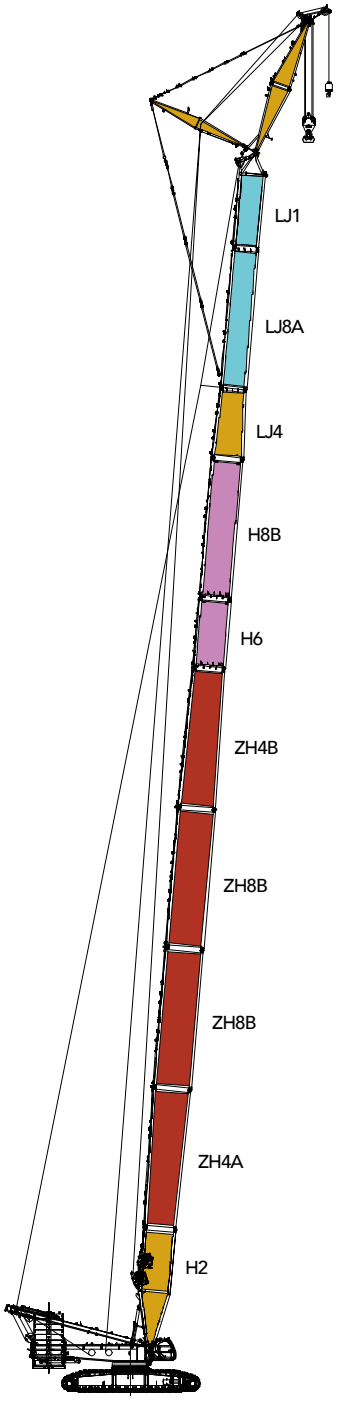
Load Chart of HJFJ Configuration

SCC7000A-HJFJ configuration 3/3							
Boom length: 84m~114m, Jib length:12m, Boom to jib angle: 20°, Rear counterweight: 210t, Carbody counterweight:70t							
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

HJFJ_4 Boom Combination

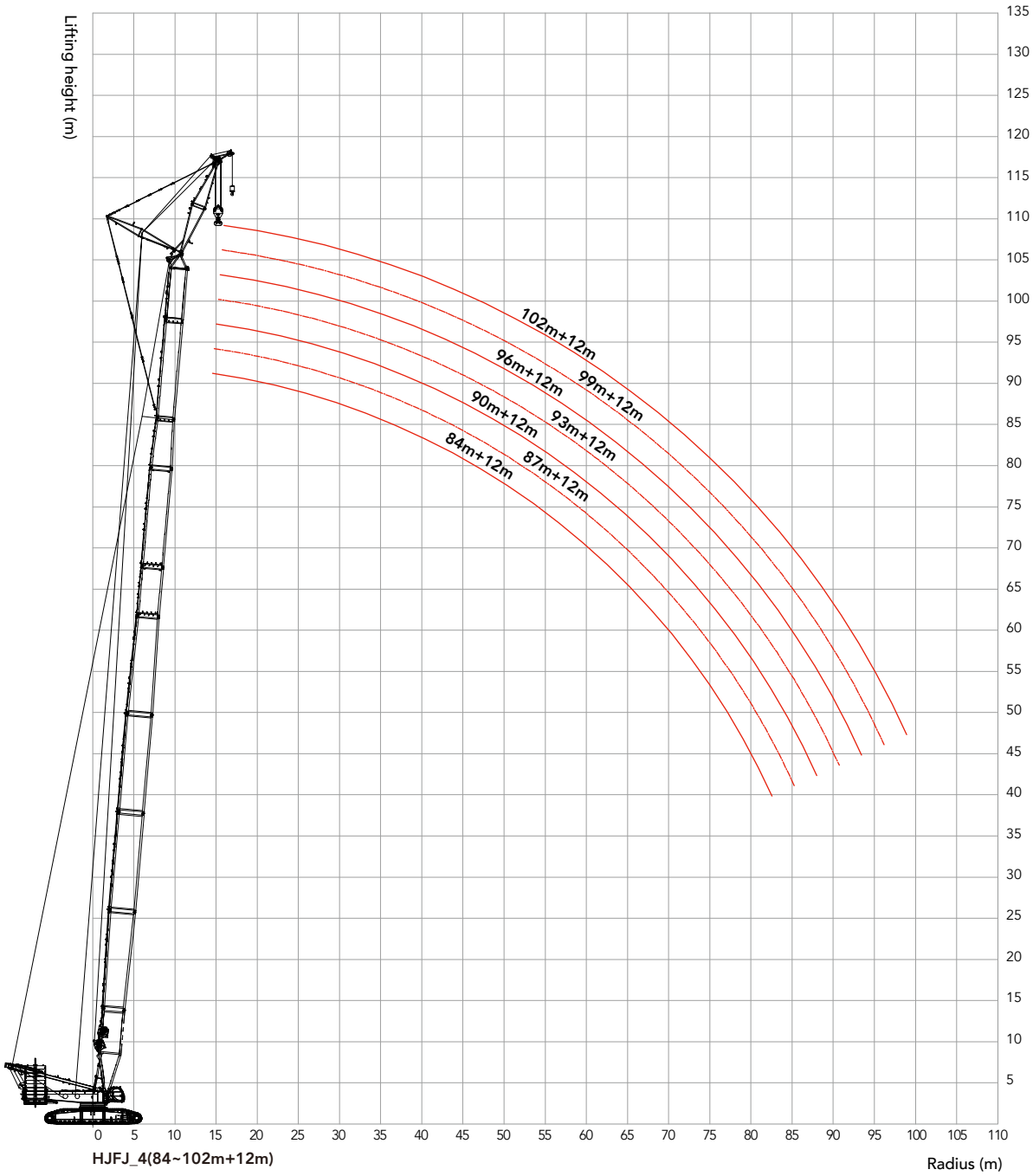
HJFJ_4 Boom Combination					
Boom length(m)	Power boom	Boom insert			
	12m	3m	6m	12m	
84	4	0	0	0	Fixed jib 12m
87	4	1	0	0	
90	4	0	1	0	
93	4	1	1	0	
96	4	0	0	1	
99*	4	1	0	1	
102*	4	0	1	1	

Note: Boom base, 6m tapered section, 12m jib insert and jib top are must.
For combinations marked with "*", the mid-suspension cable is must, otherwise, the boom may break.



HJFJ_4(84~102m+12m)

Working Radius of HJFJ_4 Configuration



HJFJ_4(84~102m+12m)

Unit: t

Load Chart of HJFJ_4 Configuration

SCC7000A-HJFJ_4 configuration 1/3								
Boom length: 84m~102m, Jib length: 12m, Boom to jib angle: 10°, Rear counterweight: 210t, Carbody counterweight: 70t								
Radius (m)	84	87	90	93	96	99	102	Radius (m)
14	171							14
15	171	171	171	171				15
16	171	170	167	166	165	158	156	16
17	163	160	157	157	155	149	147	17
18	153	151	148	148	143	141	138	18
19	145	142	140	140	136	133	131	19
20	137	135	133	133	128	126	124	20
22	124	122	120	120	116	114	112	22
24	112	110	109	109	105	103	101	24
26	103	101	99	99.7	95.8	93.8	92.2	26
28	94.1	92.1	90.6	91.5	87.6	85.7	84.2	28
30	86.5	84.7	83.3	84.3	80.4	78.6	77.2	30
32	79.9	78.1	76.7	77.8	74	72.3	70.9	32
34	73.9	72.2	70.9	72.1	68.3	66.6	65.3	34
36	68.6	66.9	65.7	66.9	63.1	61.5	60.3	36
38	63.7	62.1	60.9	62.2	58.5	56.9	55.7	38
40	59.4	57.8	56.6	58	54.3	52.7	51.5	40
44	51.7	50.2	49.1	50.5	46.9	45.3	44.2	44
48	45	43.8	42.8	44.2	40.6	39.1	38	48
52	39.1	38.1	37.3	38.8	35.2	33.8	32.7	52
56	34.1	33.1	32.4	34	30.6	29.1	28.1	56
60	29.8	28.8	28.1	29.7	26.5	25.1	24.1	60
64	26	25	24.4	26	22.9	21.5	20.5	64
68	22.7	21.7	21.1	22.7	19.6	18.3	17.3	68
72	19.8	18.8	18.1	19.8	16.8	15.4	14.5	72
76	17.2	16.2	15.5	17.2	14.2	12.8	11.9	76
80	14.8	13.8	13.2	14.9	11.8	10.5	9.6	80
84	12.7	11.7	11	9.2	7.8	8.3	7.4	84
88		9.7	8.7			6.4	5.5	88

Unit: t

Load Chart of HJFJ_4 Configuration

SCC7000A-HJFJ_4 configuration 2/3								
Boom length: 84m~102m, Jib length:12m, Boom to jib angle: 15°, Rear counterweight: 210t, Carbody counterweight:70t								
Radius (m)	84	87	90	93	96	99	102	Radius (m)
15	166							15
16	162	163	163	164	163			16
17	159	160	159	158	154	151	148	17
18	155	152	150	149	145	142	140	18
19	146	144	142	141	137	135	132	19
20	139	136	134	134	130	128	125	20
22	125	123	121	121	117	115	113	22
24	114	111	110	110	106	104	103	24
26	104	102	100	101	96.8	94.9	93.3	26
28	94.9	93	91.6	92.4	88.6	86.7	85.3	28
30	87.3	85.5	84.1	85.1	81.3	79.5	78.1	30
32	80.6	78.9	77.5	78.6	74.8	73.1	71.8	32
34	74.6	72.9	71.6	72.8	69.1	67.4	66.1	34
36	69.2	67.6	66.4	67.5	63.9	62.3	61	36
38	64.3	62.7	61.6	62.8	59.2	57.6	56.4	38
40	59.9	58.4	57.2	58.5	54.9	53.4	52.2	40
44	52.2	50.7	49.6	51	47.4	45.9	44.8	44
48	45.4	44.2	43.2	44.7	41.1	39.6	38.6	48
52	39.5	38.5	37.7	39.2	35.7	34.2	33.2	52
56	34.4	33.4	32.8	34.4	30.9	29.5	28.6	56
60	30.1	29.1	28.4	30	26.8	25.4	24.5	60
64	26.3	25.3	24.6	26.3	23.2	21.8	20.9	64
68	22.9	21.9	21.3	22.9	19.9	18.6	17.6	68
72	20	19	18.4	20	17	15.7	14.7	72
76	17.3	16.3	15.7	17.4	14.4	13.1	12.1	76
80	14.9	13.9	13.3	15	12	10.7	9.8	80
84	12.8	11.8	11.2	10.1	9.3	8.5	7.6	84
88		9.8	9.2			6.5	5.6	88
92			5					92

Unit: t

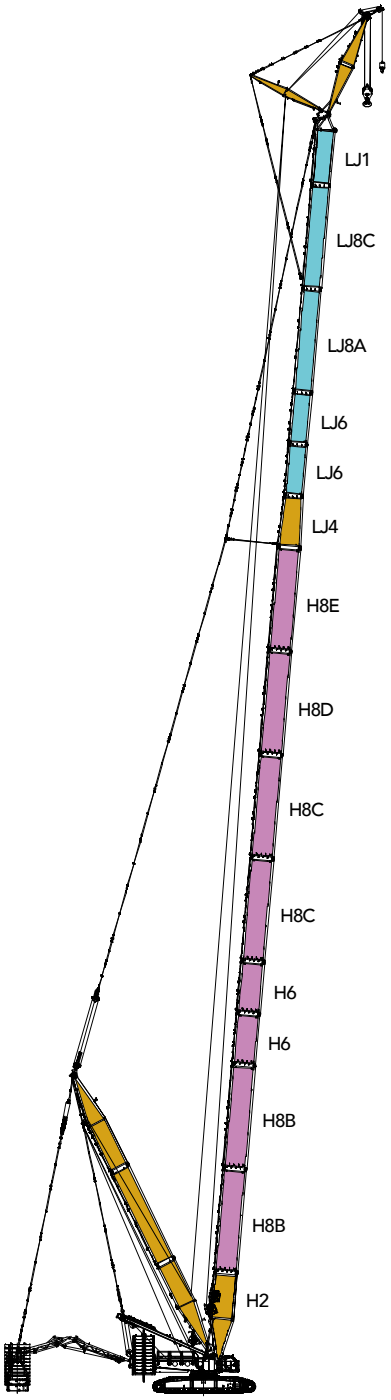
Load Chart of HJFJ_4 Configuration

SCC7000A-HJFJ_4 configuration 3/3								
Boom length: 84m~102m, Jib length:12m, Boom to jib angle: 20°, Rear counterweight: 210t, Carbody counterweight:70t								
Radius (m)	84	87	90	93	96	99	102	Radius (m)
16	132							16
17	130	131	130	131	132			17
18	127	128	129	129	129	130	130	18
19	125	126	127	127	128	127	127	19
20	123	124	124	125	125	125	126	20
22	119	120	120	121	118	116	114	22
24	115	112	111	111	107	105	104	24
26	105	103	101	102	97.8	96	94.4	26
28	95.8	93.9	92.5	93.2	89.5	87.7	86.3	28
30	88.1	86.3	85	85.9	82.2	80.4	79.1	30
32	81.3	79.6	78.3	79.3	75.6	74	72.7	32
34	75.3	73.6	72.4	73.4	69.8	68.2	66.9	34
36	69.8	68.2	67	68.2	64.6	63	61.8	36
38	64.9	63.3	62.2	63.4	59.8	58.3	57.1	38
40	60.5	58.9	57.8	59.1	55.5	54	52.9	40
44	52.7	51.2	50.1	51.5	47.9	46.5	45.4	44
48	45.8	44.7	43.7	45.1	41.6	40.1	39.1	48
52	39.8	38.8	38.1	39.6	36.1	34.7	33.7	52
56	34.7	33.7	33.1	34.7	31.3	29.9	29	56
60	30.3	29.3	28.7	30.3	27.1	25.8	24.8	60
64	26.5	25.5	24.9	26.5	23.5	22.1	21.2	64
68	23.1	22.1	21.5	23.1	20.2	18.8	17.9	68
72	20.1	19.1	18.5	20.2	17.2	15.9	15	72
76	17.5	16.4	15.8	17.5	14.6	13.2	12.3	76
80	15	14	13.4	15.1	12.2	10.8	9.9	80
84	12.8	11.8	11.2	11	9.4	8.6	7.8	84
88		9.8	9.2	5.6		6.6	5.8	88
92			5					92

HJFJDB Boom Combination

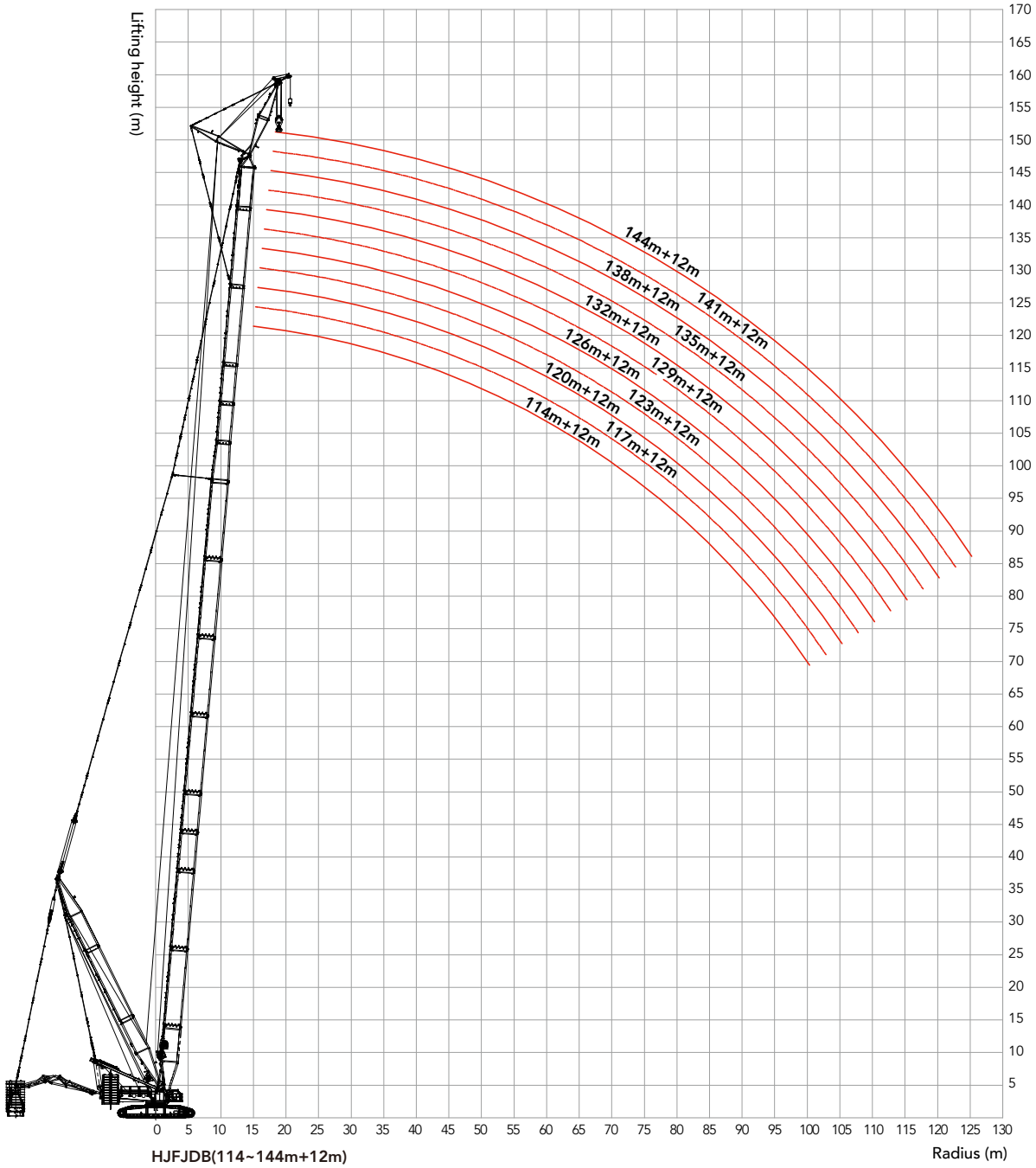
HJFJDB Boom Combination						
Boom length(m)	Boom insert			Jib insert		
	3m	6m	12m	6m	12m	
114*	—	1	5	—	2	Fixed jib 12m
117*	1	1	5	—	2	
120*	—	2	5	—	2	
123*	1	2	5	—	2	
126*	—	1	6	—	2	
129*	1	1	6	—	2	
132*	—	2	6	—	2	
135*	1	2	6	—	2	
138*	—	2	6	1	2	
141*	1	2	6	1	2	
144*	—	2	6	2	2	

Note: 10.5m boom base, 6m tapered section, 7.5m jib top are must.
For combinations from 114m~144m, the mid-suspension cable is must, otherwise, the boom may break.



HJFJDB(114~144m+12m)

Working Radius of HJFJ Configuration



HJFJDB(114~144m+12m)

Unit: t

Load Chart of HJFJDB Configuration

SCC7000A-HJFJDB configuration 1/3												
Boom length: 114m~144m, Jib length: 12m, Boom to jib angle: 10°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counteweight: 210t, Carbody counterweight: 70t												
Radius (m)	114	117	120	123	126	129	132	135	138	141	144	Radius (m)
18	124	117	109	106	101	97.5						18
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	59.1	57.6	55.7	52.2	48.6	47.3	46.0	44.3	22.0	13.4		100
104	55.3	54.4	53.8	50.5	47.2	45.8	44.3	39.9	15.1	7.1		104
108		50.9	50.8	47.9	44.9	43.5	42.0	31.7	7.3			108
112			47.4	44.8	42.1	41.1	32.3	23.9				112
116					38.8	33.4	22.8	16.4				116
120							13.8	8.0				120

Unit: t

Load Chart of HJFJDB Configuration

SCC7000A-HJFJDB configuration 2/3												
Boom length: 114m~144m, Jib length: 12m, Boom to jib angle: 15°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t												
Radius (m)	114	117	120	123	126	129	132	135	138	141	144	Radius (m)
18	121	114										18
20	121	114	107	102	99.3	94.6	91.6	85.0	80.0	74.8		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	59.3	56.9	55.7	51.8	50.0	47.0	46.0	43.4	24.7	15.9		100
104	55.4	54.6	53.8	50.2	48.6	45.5	44.3	41.6	16.4	9.5		104
108		51.0	50.8	48.0	47.2	43.7	42.0	36.2	9.8			108
112			47.4	45.2	44.9	41.7	35.4	26.8				112
116					42.1	38.2	25.8	17.9				116
120						26.8	16.6	10.7				120

Unit: t

Load Chart of HJFJDB Configuration

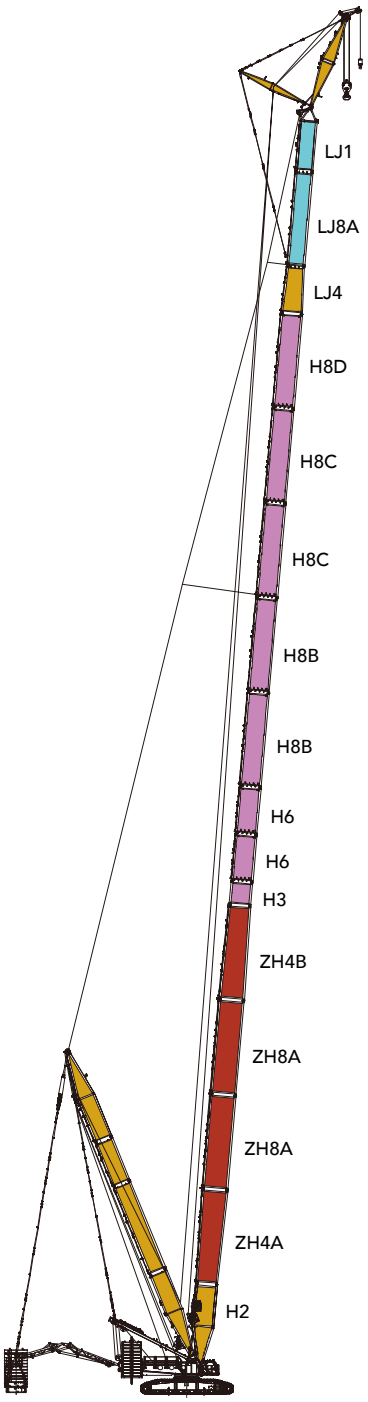
SCC7000A-HJFJDB configuration 3/3												
Boom length: 114m~144m, Jib length: 12m, Boom to jib angle: 20°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t												
Radius (m)	114	117	120	123	126	129	132	135	138	141	144	Radius (m)
20	118	110	105	101	98.2	93.8						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	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	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	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	55.6	54.5	53.8	50.2	48.6	45.5	44.3	41.5	19.0	10.7		104
108	52.0	51.2	50.8	48.0	47.2	43.7	42.0	39.6	11.1			108
112			47.4	45.2	44.9	41.7	40.1	31.2				112
116					42.1	39.1	28.8	20.8				116
120						29.9	18.1	10.8				120

HJFJDB_4 Boom Combination

HJFJDB_4 Boom Combination

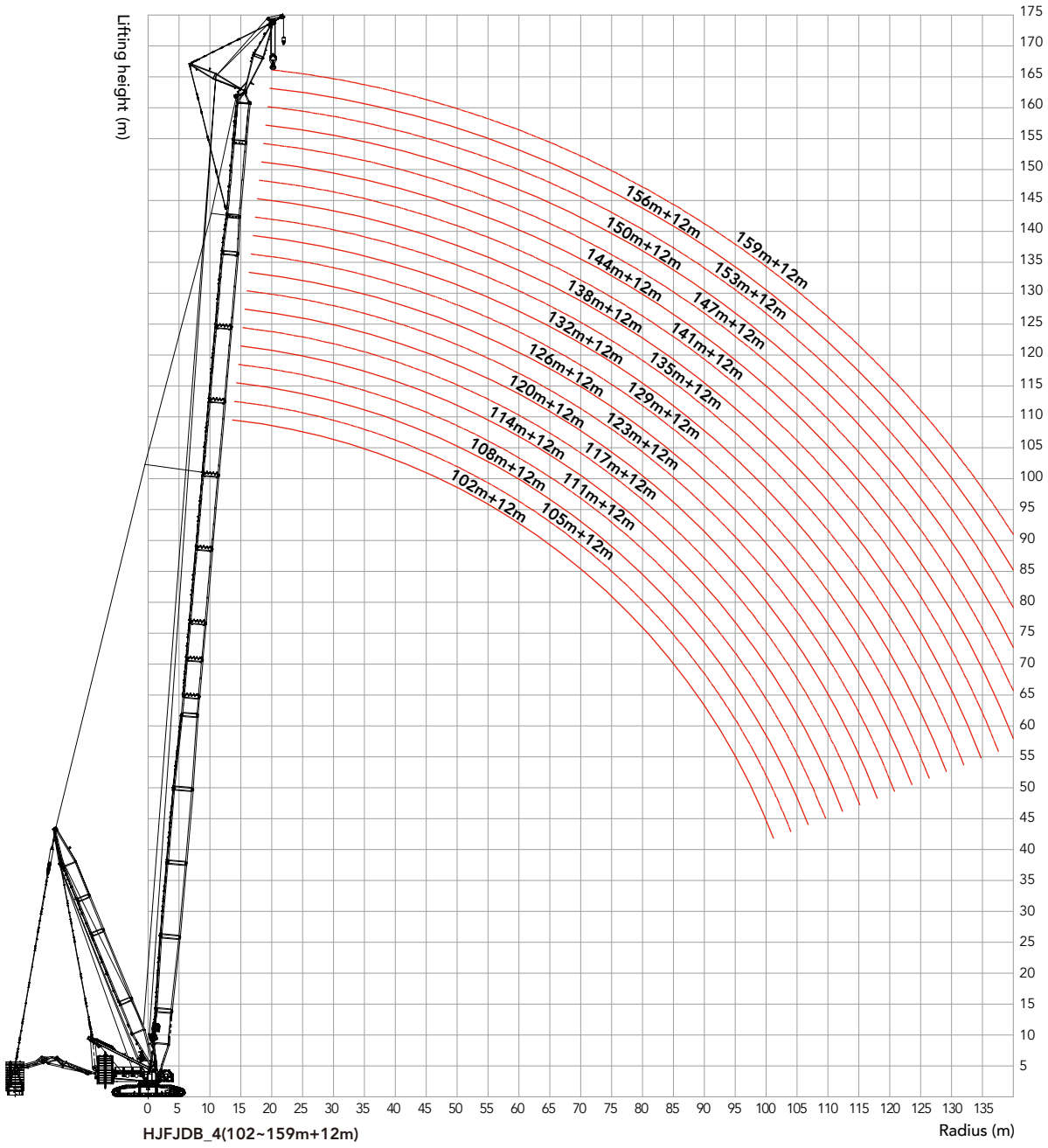
Boom length(m)	Power boom	Boom insert			
	12m	3m	6m	12m	
114	4	-	1	2	Fixed jib 12m
117	4	1	1	2	
120	4	-	2	2	
123	4	1	2	2	
126*	4	-	1	3	
129*	4	1	1	3	
132*	4	-	2	3	
135*	4	1	2	3	
138*	4	-	1	4	
141*	4	1	1	4	
144*	4	-	2	4	
147*	4	1	2	4	
150*	4	-	1	5	
153*	4	1	1	5	
156*	4	-	2	5	
159*	4	1	2	5	

Note: Boom base, 6m tapered section, 12m jib insert and jib top are must.
For combinations from 126m~159m, the mid-suspension cable is must, otherwise, the boom may break.



HJFJDB_4(102~159m+12m)

Working Radius of HJFJDB_4 Configuration



HJFJDB_4(102~159m+12m)

Unit: t

Load Chart of HJFJDB_4 Configuration

SCC7000A-HJFJDB_4 configuration 1/3

Boom length: 102m~159m, Jib length: 12m, Boom to jib angle: 10°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	102	105	108	111	114	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	Radius (m)
16	170	170																			16
17	170	170	168	167	166	164															17
18	170	170	168	166	165	164	163	161	157	150											18
19	169	169	168	166	165	163	162	161	157	150	143	136	127	121							19
20	169	169	167	166	164	163	162	160	157	149	142	136	127	121	115	109	101	95.8			20
22	168	168	166	165	164	163	162	159	153	149	142	135	126	120	114	108	100	95.3	90.6	86.0	22
24	168	167	165	165	164	162	161	159	149	148	141	134	125	119	113	108	99.3	94.6	90.0	85.3	24
26	167	166	165	164	163	162	160	158	144	147	140	134	125	118	112	107	98.5	94.0	89.3	84.7	26
28	162	164	164	163	162	161	159	158	140	143	139	133	124	118	111	106	97.8	93.2	88.6	84.1	28
30	157	158	159	161	162	160	159	157	135	139	138	132	123	117	111	105	97.0	92.5	87.9	83.4	30
32	151	153	154	156	157	158	159	157	132	135	137	131	122	116	110	104	96.2	91.8	87.2	82.7	32
34	146	149	150	151	153	154	155	156	128	131	134	130	121	115	109	104	95.4	91.0	86.5	82.1	34
36	143	144	146	147	149	149	151	152	124	128	131	129	120	114	108	103	94.6	90.3	85.9	81.4	36
38	138	140	142	143	145	145	147	148	120	124	128	128	119	114	107	102	93.9	89.6	85.1	80.7	38
40	134	136	138	139	141	142	143	144	116	121	125	127	118	113	106	101	93.0	88.8	84.4	80.1	40
44	127	129	130	132	133	135	137	137	110	114	118	122	117	111	104	99.2	91.4	87.4	83.1	78.8	44
48	120	122	124	125	127	129	129	132	104	108	112	116	115	110	102	97.4	89.8	85.9	81.8	77.5	48
52	115	116	118	119	121	122	124	121	98.8	103	106	111	112	108	98.2	95.6	88.2	84.4	80.3	76.3	52
56	109	111	112	114	115	117	119	112	94.4	97.7	102	104	103	101	93.5	93.8	86.5	82.9	79.1	75.0	56
60	105	106	108	109	111	112	113	110	90.2	93.7	97.1	96.6	95.6	93.5	89.5	89.6	84.9	81.5	77.8	73.9	60
64	100	102	103	105	107	106	105	102	86.2	89.7	93.3	89.6	88.8	86.7	85.0	83.0	82.5	80.1	76.4	72.6	64
68	96.4	97.4	98.8	101	101	99.4	97.8	95.9	82.9	86.5	89.6	89.5	88.7	86.7	79.0	77.1	76.7	74.8	73.2	71.3	68
72	92.8	94.0	94.2	93.1	92.8	91.7	91.0	89.4	79.8	82.8	85.4	83.5	82.8	80.9	79.3	77.4	71.4	69.6	68.1	66.3	72
76	88.7	87.6	86.9	85.8	85.5	84.4	83.6	82.5	76.7	80.5	79.9	78.1	77.5	75.6	74.1	72.3	72.0	70.2	68.7	61.6	76
80	82.1	81.0	80.3	79.2	78.9	77.8	77.0	75.9	74.5	75.2	74.4	73.1	72.5	70.8	69.4	67.6	67.4	65.7	64.2	62.5	80
84	76.1	75.0	74.3	73.2	72.9	71.8	71.1	70.0	70.3	69.2	68.5	67.4	67.6	66.3	64.9	63.3	63.1	61.5	60.1	58.4	84
88	70.7	69.6	68.9	67.8	67.5	66.4	65.7	64.6	64.9	63.8	63.0	61.9	62.2	61.1	60.3	59.2	59.1	57.6	56.2	54.6	88
92	65.8	64.6	64.0	62.9	62.5	61.4	60.7	59.6	59.9	58.8	58.1	57.0	57.2	56.1	55.4	54.3	54.9	53.8	52.6	51.1	92
96	61.2	60.1	59.4	58.3	58.0	56.9	56.2	55.1	55.4	54.3	53.6	52.5	52.7	51.6	50.9	49.8	50.4	49.3	48.5	47.5	96
100		55.9	55.2	54.1	53.8	52.7	52.0	50.9	51.2	50.2	49.4	48.3	48.5	47.5	46.7	45.6	46.2	45.1	44.4	43.3	100
104				50.3	50.0	48.9	48.2	47.1	47.4	46.3	45.6	44.5	44.7	43.6	42.9	41.8	42.4	41.3	40.5	39.5	104
108						45.3	44.6	43.5	43.8	42.8	42.0	40.9	41.2	40.1	39.3	38.2	38.8	37.8	37.0	35.9	108
112							41.3	40.2	40.5	39.5	38.7	37.6	37.9	36.8	36.0	34.9	35.5	34.5	33.7	32.6	112
116									37.5	36.4	35.6	34.6	34.8	33.7	32.9	31.9	32.5	31.4	30.6	29.6	116
120											32.8	31.7	31.9	30.8	30.1	29.0	29.6	28.5	27.8	26.7	120
124												29.0	29.2	28.2	27.4	26.3	26.9	25.9	25.1	24.0	124
128														25.6	24.9	23.8	24.4	23.3	22.6	21.5	128
132																21.4	22.0	21.0	20.2	19.2	132
136																	19.8	18.8	18.0	16.9	136
140																			15.9	14.8	140
144																				12.9	144

Unit: t

Load Chart of HJFJDB_4 Configuration

SCC7000A-HJFJDB_4 configuration 2/3

Boom length: 102m~159m, Jib length: 12m, Boom to jib angle: 15°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	102	105	108	111	114	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	Radius (m)
17	161	162																			17
18	161	162	161	161	161	156															18
19	161	161	161	160	161	155	154	153	144	146											19
20	158	159	159	157	160	152	153	153	142	144	140	133	127	119							20
22	153	154	155	155	155	148	148	149	139	141	142	133	126	120	114	108	100	95.1	90.6	86.1	22
24	149	149	149	151	151	144	145	145	136	138	140	134	125	119	113	108	99.4	94.7	90.1	85.4	24
26	144	144	145	147	146	141	141	141	131	134	137	134	125	119	113	107	98.7	94.2	89.4	84.8	26
28	139	141	141	142	143	137	138	138	128	131	134	133	124	118	112	106	98.1	93.5	88.8	84.2	28
30	135	136	138	138	139	133	134	134	125	128	130	132	123	117	111	106	97.4	92.8	88.2	83.6	30
32	131	133	133	134	135	130	131	132	122	125	127	130	122	116	110	105	96.6	92.2	87.5	82.9	32
34	128	129	130	131	133	127	127	129	119	121	124	127	122	116	109	104	96.0	91.5	86.9	82.3	34
36	125	122	127	128	129	123	125	125	115	118	122	124	121	115	109	103	95.2	90.7	86.3	81.7	36
38	116	116	124	125	126	121	122	123	113	116	119	122	120	114	108	103	94.4	90.1	85.6	81.1	38
40	112	113	118	116	123	118	119	120	109	113	116	119	119	114	107	102	93.7	89.4	84.9	80.4	40
44	107	109	110	111	117	113	114	115	104	108	111	114	116	112	102	100	92.2	88.0	83.7	79.2	44
48	102	104	105	106	107	109	109	111	99.0	102	106	109	112	110	97.5	98.5	90.6	86.6	82.3	78.1	48
52	98.1	99.3	100	102	103	104	105	106	94.0	97.9	101	104	107	108	92.9	95.8	89.1	85.2	81.1	76.8	52
56	93.9	95.3	96.6	97.9	99.1	99.7	101	102	89.9	93.2	96.5	100	103	101	88.9	92.1	87.6	83.8	79.8	75.7	56
60	90.2	91.3	92.8	93.7	95.0	96.6	97.1	98.4	85.8	89.3	92.8	96.4	95.7	93.6	85.6	88.3	86.1	82.4	78.5	74.5	60
64	86.8	88.1	89.6	90.6	92.0	93.0	94.2	95.6	82.6	86.3	89.2	89.8	88.9	86.9	82.3	83.2	82.7	80.7	77.3	73.3	64
68	84.0	85.3	86.4	87.5	89.0	90.2	91.4	92.1	79.5	82.8	86.3	89.6	88.8	80.9	79.2	77.3	76.9	75.0	73.4	71.6	68
72	81.4	82.6	83.3	84.5	86.1	87.3	88.6	89.2	77.2	80.3	82.8	83.7	83.0	81.1	76.6	77.6	71.6	69.8	68.3	66.5	72
76	78.7	79.5	81.3	82.5	83.4	84.4	84.1	83.0	74.3	77.4	80.1	78.3	77.6	75.8	74.1	72.5	72.2	70.4	63.6	61.9	76
80	76.2	77.5	78.3	79.6	79.3	78.2	77.5	76.4	72.2	75.3	74.9	73.3	72.7	71.0	69.6	67.8	67.6	65.9	64.4	62.7	80
84	74.1	75.3	74.6	73.6	73.3	72.2	71.5	70.4	70.1	69.6	68.9	67.8	68.0	66.5	65.2	63.5	63.3	61.7	60.3	58.6	84
88	71.0	69.9	69.2	68.1	67.8	66.7	66.0	64.9	65.2	64.2	63.4	62.4	62.6	61.5	60.8	59.5	59.4	57.8	56.4	54.8	88
92	66.0	64.9	64.2	63.1	62.8	61.7	61.0	59.9	60.3	59.2	58.5	57.4	57.6	56.5	55.8	54.7	55.3	54.1	52.8	51.3	92
96	61.4	60.3	59.6	58.6	58.3	57.2	56.5	55.4	55.7	54.6	53.9	52.8	53.1	52.0	51.2	50.2	50.8	49.7	49.0	47.9	96
100		56.1	55.4	54.4	54.1	53.0	52.3	51.2	51.5	50.4	49.7	48.6	48.9	47.8	47.1	46.0	46.6	45.5	44.8	43.7	100
104				50.5	50.2	49.1	48.4	47.3	47.7	46.6	45.8	44.8	45.0	43.9	43.2	42.1	42.7	41.7	40.9	39.8	104
108						45.5	44.8	43.7	44.1	43.0	42.3	41.2	41.4	40.4	39.6	38.5	39.1	38.1	37.3	36.3	108
112							41.5	40.4	40.7	39.7	38.9	37.9	38.1	37.0	36.3	35.2	35.8	34.8	34.0	33.0	112
116									37.6	36.6	35.8	34.8	35.0	33.9	33.2	32.1	32.7	31.7	30.9	29.9	116
120										33.7	32.9	31.9	32.1	31.1	30.3	29.2	29.8	28.8	28.0	27.0	120
124												29.2	29.4	28.3	27.6	26.5	27.1	26.1	25.3	24.3	124
128														25.8	25.1	24.0	24.6	23.6	22.8	21.7	128
132															22.7	21.6	22.2	21.2	20.4	19.4	132
136																	20.0	18.9	18.2	17.1	136
140																			16.1	15.0	140
144																				13.0	144

Unit: t

Load Chart of HJFJDB_4 Configuration

SCC7000A-HJFJDB_4 configuration 3/3

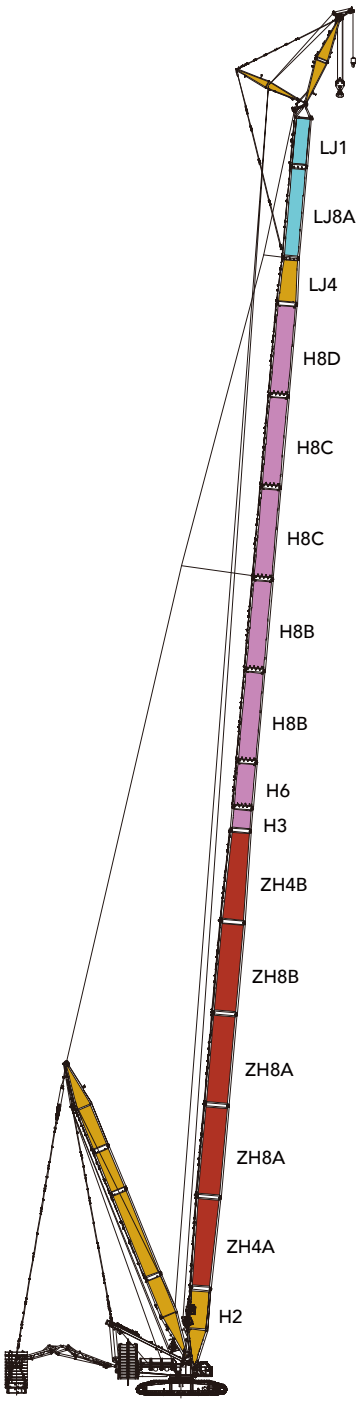
Boom length: 102m~159m, Jib length: 12m, Boom to jib angle: 10°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	102	105	108	111	114	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	Radius (m)
18	126	126	128																		18
19	125	125	125	125	126	126	126														19
20	123	123	124	124	124	124	125	124	124	124											20
22	119	120	120	120	121	121	122	122	121	121	122	122	122	118	113	108	99.8	94.8			22
24	116	116	118	118	118	119	119	119	118	119	119	120	120	118	113	108	99.2	94.5	89.9	85.2	24
26	113	113	114	114	115	115	116	117	115	116	116	117	117	118	112	107	98.6	94.0	89.3	84.6	26
28	110	110	111	112	113	113	114	114	112	114	114	115	115	116	112	106	98.0	93.4	88.7	84.1	28
30	107	108	109	109	110	111	111	111	110	111	111	112	112	113	111	106	97.4	92.8	88.2	83.5	30
32	105	105	106	106	108	108	108	109	108	108	109	109	110	111	109	105	96.7	92.2	87.5	82.9	32
34	102	103	103	104	105	106	107	107	105	106	106	107	108	109	107	104	96.1	91.6	86.9	82.3	34
36	100	100	102	102	102	103	104	105	103	104	104	105	106	107	105	104	95.4	90.9	86.3	81.8	36
38	97.1	98.7	98.9	99.7	101	102	102	103	100	102	102	103	104	104	103	103	94.7	90.2	85.8	81.2	38
40	95.4	95.9	97.3	98.1	98.4	99.3	101	100	98.8	100	101	101	102	103	101	102	94.1	89.7	85.1	80.6	40
44	91.4	92.2	93.0	94.0	94.4	95.4	96.8	97.0	94.8	95.5	97.2	97.8	98.2	98.9	97.0	98.1	92.6	88.3	84.0	79.5	44
48	88.0	88.3	89.9	90.9	91.5	92.4	93.0	93.4	91.6	92.4	93.6	94.4	95.0	95.9	92.5	94.3	91.2	87.0	82.7	78.3	48
52	84.5	85.1	86.7	87.4	88.5	88.7	89.6	90.6	88.3	89.5	90.1	91.1	91.9	92.2	88.7	91.2	89.8	85.8	81.5	77.2	52
56	81.8	82.5	83.7	84.3	85.1	85.9	86.8	87.9	85.2	86.4	87.3	88.4	88.7	89.9	85.5	88.2	88.3	84.4	80.3	76.1	56
60	78.5	79.9	80.6	81.5	82.7	83.0	84.1	85.2	82.8	83.5	84.4	85.1	86.3	86.8	82.3	84.5	86.0	83.1	79.1	74.9	60
64	76.1	77.4	78.2	79.0	80.0	80.5	81.4	82.6	79.8	81.3	82.4	83.2	83.8	84.5	79.2	81.6	82.8	80.9	77.9	74.1	64
68	74.1	74.8	75.8	76.7	77.6	78.7	79.6	80.0	76.8	79.2	79.7	80.6	81.3	81.0	76.6	77.5	77.0	75.2	73.6	71.8	68
72	71.6	72.9	73.9	74.4	75.5	76.1	77.0	78.2	74.6	77.1	77.7	78.7	79.5	80.0	74.2	72.2	71.8	70.0	68.5	66.7	72
76	69.6	71.0	71.5	72.5	73.3	74.3	75.2	75.6	72.5	75.0	75.8	76.3	77.2	76.0	71.8	72.7	72.4	70.6	63.8	62.1	76
80	67.7	69.2	69.7	70.7	71.5	72.5	73.5	74.1	70.4	73.0	73.9	73.5	72.9	71.2	69.4	68.0	67.8	66.1	64.6	62.9	80
84	66.4	67.3	68.4	69.1	69.8	70.7	71.7	70.7	68.5	70.0	69.3	68.2	68.3	66.7	65.3	63.7	63.5	61.9	60.5	58.8	84
88	65.0	65.5	66.5	67.3	68.1	67.0	66.3	65.2	65.6	64.5	63.8	62.7	63.0	61.9	61.2	59.7	59.5	58.0	56.6	55.0	88
92	63.7	64.2	64.4	63.4	63.1	62.0	61.3	60.2	60.6	59.5	58.8	57.7	58.0	56.9	56.2	55.1	55.7	54.3	53.0	51.5	92
96	61.5	60.5	59.8	58.8	58.5	57.4	56.7	55.6	56.0	54.9	54.2	53.1	53.4	52.3	51.6	50.5	51.1	50.1	49.3	48.2	96
100		56.2	55.6	54.5	54.3	53.2	52.5	51.4	51.8	50.7	50.0	48.9	49.2	48.1	47.4	46.3	46.9	45.9	45.1	44.1	100
104				50.6	50.3	49.3	48.6	47.5	47.9	46.8	46.1	45.0	45.3	44.2	43.5	42.4	43.0	42.0	41.2	40.2	104
108					46.7	45.7	45.0	43.9	44.3	43.2	42.5	41.4	41.7	40.6	39.9	38.8	39.4	38.4	37.6	36.6	108
112							41.6	40.5	40.9	39.9	39.1	38.1	38.3	37.3	36.5	35.5	36.1	35.0	34.3	33.2	112
116									37.8	36.7	36.0	35.0	35.2	34.2	33.4	32.4	33.0	31.9	31.2	30.1	116
120										33.8	33.1	32.0	32.3	31.2	30.5	29.5	30.1	29.0	28.3	27.2	120
124												29.3	29.6	28.5	27.8	26.7	27.3	26.3	25.5	24.5	124
128														25.9	25.2	24.2	24.8	23.7	23.0	22.0	128
132															22.8	21.8	22.4	21.3	20.6	19.6	132
136																	20.1	19.1	18.3	17.3	136
140																		16.9	16.2	15.2	140
144																				13.1	144

HJFJDB_5 Boom Combination

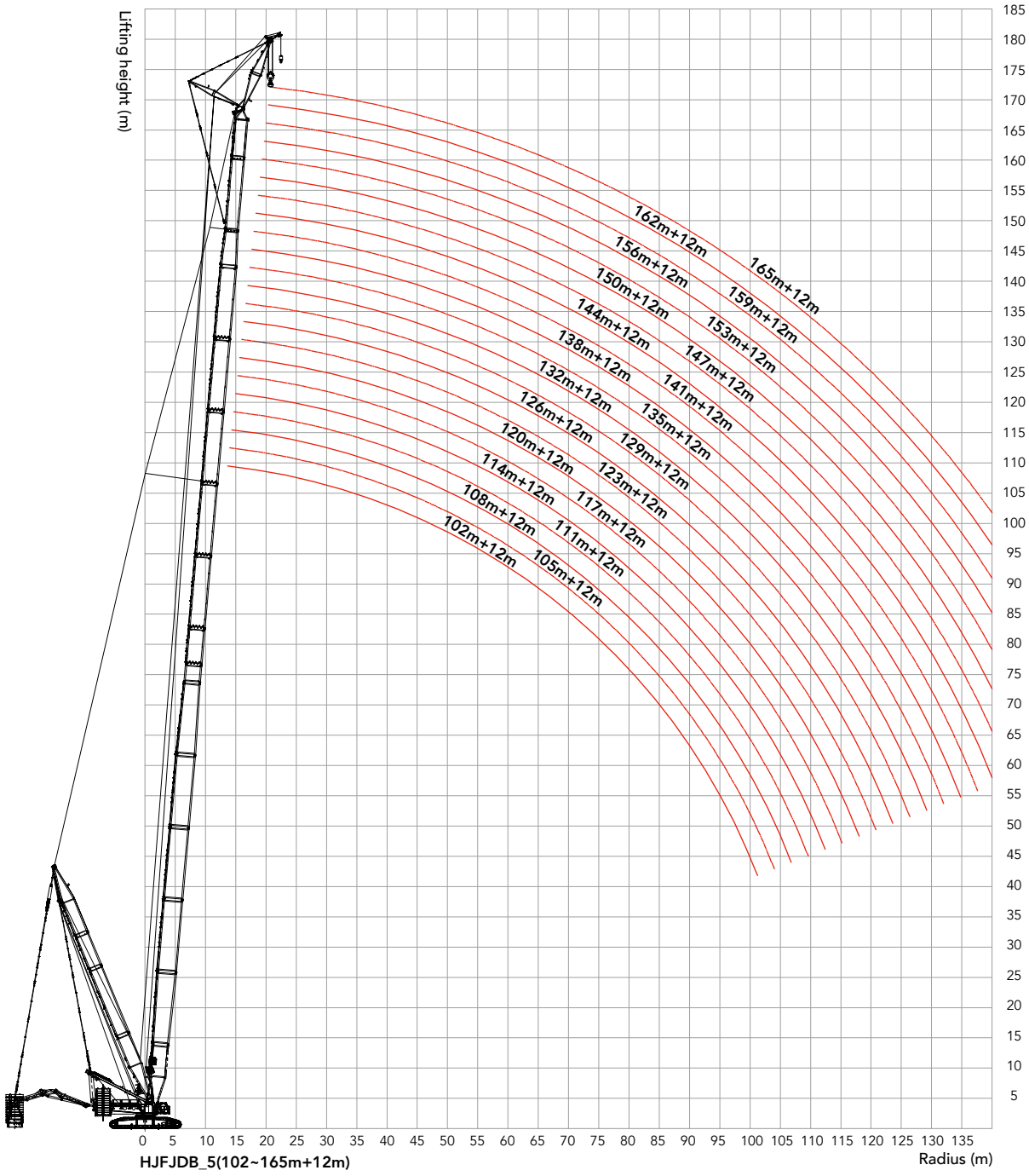
HJFJDB_5 Boom Combination					
Boom length(m)	Power boom	Boom insert			
	12m	3m	6m	12m	
114	5	-	1	1	Fixed jib 12m
117	5	1	1	1	
120	5	-	2	1	
123*	5	1	2	1	
126*	5	-	1	2	
129*	5	1	1	2	
132*	5	-	2	2	
135*	5	1	2	2	
138*	5	-	1	3	
141*	5	1	1	3	
144*	5	-	2	3	
147*	5	1	2	3	
150*	5	-	1	4	
153*	5	1	1	4	
156*	5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

Note: Boom base, 6m tapered section, 12m jib insert and jib top are must. For combinations from 126m~165m, the mid-suspension cable is must, otherwise, the boom may break.



HJFJDB_5(102~165m+12m)

Working Radius of HJFJDB_5 Configuration



HJFJDB_5(102~165m+12m)

Unit: t

Load Chart of HJFJDB_5 Configuration

SCC7000A-HJFJDB_5 configuration 1/6												
Boom length: 102m~165m, Jib length: 12m, Boom to jib angle: 10°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t												
Radius (m)	102	105	108	111	114	117	120	123	126	129	132	Radius (m)
16	171	170										16
17	171	170	169	168	167	165						17
18	170	170	168	168	166	165	164	162	161	158		18
19	170	169	168	168	166	165	164	160	160	158	151	19
20	170	169	168	167	166	164	164	158	160	158	151	20
22	169	168	167	167	165	164	163	153	155	157	150	22
24	169	168	167	166	165	164	162	148	151	153	149	24
26	168	167	166	165	164	163	161	143	146	149	148	26
28	163	164	165	164	163	162	161	138	141	145	147	28
30	157	159	160	160	162	161	160	134	138	141	144	30
32	152	154	155	156	157	159	160	130	134	137	140	32
34	147	148	150	152	153	155	155	125	129	134	136	34
36	143	145	146	147	148	150	151	121	125	129	133	36
38	138	140	141	143	144	146	147	117	122	126	130	38
40	135	136	138	139	140	142	144	114	118	122	126	40
44	127	129	130	132	133	135	136	108	111	116	120	44
48	121	122	123	126	127	128	130	102	106	110	114	48
52	114	116	118	120	121	123	123	96.5	100	104	108	52
56	109	111	112	114	116	117	119	92.2	95.0	99.3	103	56
60	104	106	108	109	111	112	112	87.7	91.3	95.1	98.0	60
64	100	102	103	105	106	106	104	84.1	87.1	90.9	94.2	64
68	96.2	97.3	99.3	100	101	99.3	97.7	80.5	83.7	87.3	90.7	68
72	92.5	93.7	94.1	93.0	92.7	91.6	90.9	78.0	80.4	84.2	84.7	72
76	88.6	87.4	86.8	85.6	85.4	84.2	83.5	74.7	78.0	80.6	79.1	76
80	82.0	80.8	80.2	79.0	78.8	77.6	76.9	72.7	75.5	74.3	73.6	80
84	76.0	74.9	74.2	73.0	72.8	71.7	71.0	69.8	69.5	68.4	67.6	84
88	70.6	69.4	68.8	67.6	67.4	66.2	65.5	64.4	64.1	63.0	62.2	88
92	65.7	64.5	63.8	62.7	62.5	61.3	60.6	59.4	59.2	58.0	57.3	92
96	61.1	60.0	59.3	58.1	57.9	56.8	56.1	54.9	54.6	53.5	52.8	96
100		55.8	55.1	54.0	53.8	52.6	51.9	50.8	50.5	49.3	48.6	100
104				50.1	49.9	48.8	48.1	46.9	46.6	45.5	44.7	104
108						45.2	44.5	43.4	43.1	41.9	41.2	108
112							41.2	40.0	39.8	38.6	37.9	112
116									36.7	35.5	34.8	116
120											31.9	120

Unit: t

Load Chart of HJFJDB_5 Configuration

SCC7000A-HJFJDB_5 configuration 2/6

Boom length: 102m~165m, Jib length: 12m, Boom to jib angle: 10°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
16												16
17												17
18												18
19	143	135	129									19
20	143	135	128	122	116	108	103					20
22	143	134	128	121	115	108	102	97.4	92.2	85.4	80.8	22
24	142	134	127	120	114	107	102	96.7	91.7	84.7	80.2	24
26	141	133	126	120	114	106	101	96.1	91.0	84.0	79.5	26
28	140	132	125	119	113	106	100	95.4	90.3	83.3	78.8	28
30	139	131	125	118	112	105	99.5	94.6	89.7	82.6	78.2	30
32	138	130	124	117	111	104	98.7	94.0	88.9	82.0	77.7	32
34	137	129	123	116	110	103	98.2	93.3	88.3	81.3	77.0	34
36	136	128	122	115	110	102	97.5	92.5	87.6	80.6	76.4	36
38	133	127	121	114	109	102	96.7	91.9	86.9	80.0	75.8	38
40	130	126	120	113	108	101	96.0	91.1	86.3	79.3	75.1	40
44	124	125	119	110	106	98.9	94.4	89.7	84.9	78.1	73.9	44
48	118	121	117	104	104	97.2	92.8	88.3	83.7	76.8	72.7	48
52	112	111	109	99.5	102	95.5	91.3	86.9	82.3	75.8	71.5	52
56	103	102	100	94.6	96.2	93.8	89.8	85.5	81.0	74.5	70.4	56
60	95.8	95.0	92.8	90.9	88.9	88.0	85.9	84.1	79.8	73.4	69.3	60
64	88.9	88.1	86.0	84.3	82.3	81.5	79.5	77.8	75.9	72.3	68.3	64
68	88.7	88.0	86.0	78.3	76.4	75.7	73.8	72.2	70.3	70.0	67.2	68
72	82.7	82.2	80.2	78.6	76.7	70.4	68.6	67.0	65.2	64.9	63.1	72
76	77.3	76.8	75.0	73.4	71.6	71.0	69.2	67.7	60.6	60.4	58.6	76
80	72.3	71.9	70.1	68.7	66.9	66.4	64.6	63.2	61.4	61.2	54.5	80
84	66.5	66.9	65.6	64.3	62.6	62.1	60.4	59.0	57.3	57.2	55.5	84
88	61.1	61.4	60.3	59.6	58.5	58.1	56.5	55.2	53.5	53.5	51.8	88
92	56.1	56.5	55.4	54.6	53.5	53.8	52.7	51.6	50.0	50.0	48.4	92
96	51.6	52.0	50.9	50.1	49.0	49.3	48.1	47.4	46.3	46.7	45.2	96
100	47.4	47.8	46.7	45.9	44.8	45.1	44.0	43.2	42.1	42.8	41.7	100
104	43.6	44.0	42.9	42.1	41.0	41.3	40.1	39.4	38.3	38.9	37.8	104
108	40.1	40.4	39.3	38.6	37.4	37.7	36.6	35.8	34.7	35.4	34.3	108
112	36.8	37.1	36.0	35.3	34.1	34.4	33.3	32.5	31.4	32.1	31.0	112
116	33.7	34.1	32.9	32.2	31.1	31.3	30.2	29.5	28.4	29.0	27.9	116
120	30.8	31.2	30.1	29.3	28.2	28.5	27.4	26.6	25.5	26.1	25.0	120
124	28.1	28.5	27.4	26.6	25.5	25.8	24.7	23.9	22.8	23.5	22.4	124
128			24.9	24.1	23.0	23.3	22.2	21.4	20.3	21.0	19.9	128
132					20.6	20.9	19.8	19.1	17.9	18.6	17.5	132
136						18.7	17.6	16.8	15.7	16.4	15.3	136
140								14.7	13.6	14.3	13.2	140
144									11.6	12.3	11.2	144
148											9.3	148

Unit: t

Load Chart of HJFJDB_5 Configuration

SCC7000A-HJFJDB_5 configuration 3/6												
Boom length: 102m~165m, Jib length: 12m, Boom to jib angle: 15°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t												
Radius (m)	102	105	108	111	114	117	120	123	126	129	132	Radius (m)
17	165	165										17
18	164	165	163	164	164	157						18
19	161	162	163	163	162	155	155	151	146	147		19
20	158	159	160	160	161	155	153	150	146	146	148	20
22	153	153	154	155	156	155	149	146	146	143	144	22
24	149	149	150	151	151	152	145	141	144	140	141	24
26	144	144	146	146	147	147	141	137	140	137	138	26
28	139	141	141	142	143	144	138	134	136	132	135	28
30	136	136	136	138	140	136	134	130	133	129	132	30
32	132	130	130	135	129	130	130	126	129	126	129	32
34	128	125	124	132	126	127	128	123	120	123	126	34
36	119	120	121	121	123	124	124	120	116	120	123	36
38	116	117	118	119	120	121	122	116	114	117	120	38
40	113	114	115	116	117	118	119	113	111	115	117	40
44	108	109	109	111	112	113	114	107	105	109	113	44
48	102	104	105	106	107	109	110	101	99.6	104	107	48
52	98.0	99.3	101	102	103	104	105	91.7	95.1	98.6	102	52
56	94.2	95.7	96.5	97.6	99.3	100	102	88.1	90.8	94.5	98.2	56
60	90.5	91.3	93.1	94.3	95.1	96.2	97.9	83.7	87.4	90.4	93.7	60
64	86.9	88.4	89.8	91.1	92.0	93.1	94.1	80.6	83.7	87.3	90.5	64
68	84.1	85.6	86.5	88.0	88.9	90.2	91.1	77.7	80.8	84.2	86.8	68
72	81.2	82.3	83.4	84.9	86.0	87.4	88.3	75.2	77.7	81.1	83.9	72
76	78.4	80.2	81.3	81.9	82.9	84.5	84.0	72.9	75.4	78.2	79.3	76
80	76.4	77.6	78.3	79.4	79.2	78.0	77.3	70.6	73.2	74.8	74.1	80
84	74.4	75.0	74.5	73.4	73.2	72.0	71.3	68.4	69.9	68.8	68.1	84
88	70.9	69.7	69.1	67.9	67.7	66.6	65.9	64.8	64.5	63.3	62.6	88
92	65.9	64.7	64.1	62.9	62.7	61.6	60.9	59.8	59.5	58.4	57.6	92
96	61.3	60.2	59.5	58.4	58.2	57.0	56.4	55.2	54.9	53.8	53.1	96
100		56.0	55.3	54.2	54.0	52.8	52.2	51.0	50.7	49.6	48.9	100
104				50.3	50.1	49.0	48.3	47.2	46.9	45.7	45.0	104
108						45.4	44.7	43.6	43.3	42.2	41.4	108
112							41.4	40.2	40.0	38.8	38.1	112
116									36.9	35.7	35.0	116
120										32.8	32.1	120

Unit: t

Load Chart of HJFJDB_5 Configuration

SCC7000A-HJFJDB_5 configuration 4/6

Boom length: 102m~165m, Jib length: 12m, Boom to jib angle: 15°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
17												17
18												18
19												19
20	140	133	126									20
22	140	134	127	121	115	108	102	97.3	92.2	85.4	80.8	22
24	141	133	127	121	115	107	102	96.7	91.7	84.7	80.3	24
26	140	133	126	120	114	106	101	96.2	91.0	84.2	79.6	26
28	137	132	126	119	113	106	100	95.5	90.4	83.5	78.9	28
30	135	131	125	118	113	105	99.8	94.9	89.8	82.8	78.3	30
32	132	131	124	117	112	104	99.1	94.2	89.2	82.2	77.9	32
34	128	129	123	117	111	104	98.6	93.6	88.5	81.6	77.2	34
36	126	127	123	114	110	103	98.0	92.9	88.0	80.9	76.6	36
38	123	123	122	111	109	102	97.2	92.2	87.3	80.3	76.0	38
40	120	121	121	108	109	101	96.5	91.6	86.6	79.7	75.4	40
44	116	116	118	103	106	99.8	95.1	90.2	85.4	78.4	74.3	44
48	111	112	113	98.5	101	98.2	93.7	88.9	84.2	77.2	73.1	48
52	106	108	109	94.3	97.1	96.5	92.2	87.6	82.9	76.3	72.0	52
56	102	102	100	90.2	93.1	94.9	90.7	86.3	81.7	75.1	70.8	56
60	96.0	95.1	93.0	86.8	89.0	88.2	86.1	84.4	80.5	74.0	69.8	60
64	89.0	88.3	86.2	83.4	82.5	81.7	79.7	78.1	76.1	72.8	68.7	64
68	88.9	88.2	80.2	78.5	76.6	75.9	74.0	72.4	70.5	70.2	67.7	68
72	82.9	82.3	80.4	77.5	76.9	70.6	68.8	67.2	65.4	65.2	63.4	72
76	77.5	77.0	75.2	73.6	71.8	71.2	69.4	62.6	60.8	60.6	58.9	76
80	72.5	72.1	70.3	68.9	67.1	66.6	64.8	63.4	61.6	61.5	54.7	80
84	67.0	67.3	65.8	64.5	62.8	62.3	60.6	59.2	57.5	57.4	55.7	84
88	61.5	61.9	60.8	60.0	58.7	58.4	56.7	55.4	53.8	53.7	52.1	88
92	56.5	56.9	55.8	55.0	53.9	54.2	53.1	51.8	50.2	50.2	48.6	92
96	52.0	52.3	51.2	50.5	49.4	49.7	48.6	47.8	46.7	46.9	45.4	96
100	47.8	48.2	47.0	46.3	45.2	45.5	44.4	43.6	42.5	43.2	42.1	100
104	43.9	44.3	43.2	42.4	41.3	41.6	40.5	39.8	38.7	39.3	38.2	104
108	40.3	40.7	39.6	38.9	37.7	38.0	36.9	36.2	35.1	35.7	34.6	108
112	37.0	37.4	36.3	35.5	34.4	34.7	33.6	32.9	31.8	32.4	31.3	112
116	33.9	34.3	33.2	32.4	31.3	31.6	30.5	29.8	28.7	29.3	28.2	116
120	31.0	31.4	30.3	29.6	28.4	28.7	27.6	26.9	25.8	26.4	25.3	120
124	28.3	28.7	27.6	26.8	25.7	26.0	24.9	24.2	23.1	23.7	22.7	124
128			25.0	24.3	23.2	23.5	22.4	21.6	20.5	21.2	20.1	128
132				21.9	20.8	21.1	20.0	19.3	18.2	18.8	17.7	132
136						18.9	17.8	17.0	15.9	16.6	15.5	136
140								14.9	13.8	14.5	13.4	140
144									11.8	12.5	11.4	144
148											9.5	148

Unit: t

Load Chart of HJFJDB_5 Configuration

SCC7000A-HJFJDB_5 configuration 5/6												
Boom length: 102m~165m, Jib length: 12m, Boom to jib angle: 20°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t												
Radius (m)	102	105	108	111	114	117	120	123	126	129	132	Radius (m)
18	127	127	128									18
19	125	125	125	125	126	126	126					19
20	123	123	124	124	124	124	124	124	125	125		20
22	120	120	120	121	122	122	122	121	122	122	122	22
24	116	117	117	118	118	119	119	117	118	119	120	24
26	113	114	114	115	116	116	116	115	115	116	117	26
28	110	111	111	112	113	113	114	112	113	114	114	28
30	107	108	109	109	110	110	112	110	111	111	112	30
32	105	105	106	107	108	108	109	107	108	108	110	32
34	102	103	104	105	105	106	107	105	106	106	107	34
36	100	101	101	102	103	104	104	102	103	104	104	36
38	97.6	98.2	99.4	100	101	101	102	100	102	102	103	38
40	95.2	96.0	97.2	97.7	98.4	99.6	100	98.7	99.1	99.8	101	40
44	91.7	92.5	93.3	94.0	94.8	95.6	96.4	94.2	94.9	95.9	97.1	44
48	88.2	89.2	89.5	90.3	91.3	92.2	92.6	90.7	91.7	92.8	93.4	48
52	84.6	85.5	86.3	87.2	88.3	88.7	89.8	88.2	88.3	89.7	90.5	52
56	81.2	82.7	83.7	84.2	85.3	85.9	86.9	83.9	85.9	86.6	87.6	56
60	79.0	79.5	80.5	81.7	82.3	83.0	84.3	80.9	83.5	84.3	84.7	60
64	76.3	77.4	78.1	79.2	80.0	81.1	81.6	78.0	80.3	81.3	82.6	64
68	73.6	74.8	75.6	76.7	77.6	78.5	78.9	75.2	78.0	79.1	79.9	68
72	71.8	72.4	73.6	74.4	75.3	76.3	77.1	72.5	75.3	76.9	77.8	72
76	69.8	70.4	71.8	72.5	73.4	74.0	75.3	70.6	72.8	74.8	75.8	76
80	67.8	69.0	69.9	70.6	71.3	72.3	73.1	68.8	71.0	73.5	73.9	80
84	66.4	67.2	68.0	68.8	69.6	70.4	71.4	66.8	69.4	69.2	68.5	84
88	65.1	65.8	66.2	67.2	67.8	66.9	66.2	65.1	64.8	63.7	63.0	88
92	63.8	64.5	64.3	63.2	63.0	61.9	61.2	60.1	59.8	58.7	58.0	92
96	61.5	60.3	59.7	58.6	58.4	57.3	56.6	55.5	55.2	54.1	53.4	96
100		56.1	55.5	54.4	54.2	53.1	52.4	51.3	51.0	49.9	49.2	100
104				50.4	50.3	49.2	48.5	47.4	47.1	46.0	45.3	104
108					46.6	45.5	44.9	43.8	43.5	42.4	41.7	108
112							41.5	40.4	40.1	39.0	38.3	112
116									37.0	35.9	35.2	116
120										33.0	32.3	120

Unit: t

Load Chart of HJFJDB_5 Configuration

SCC7000A-HJFJDB_5 configuration 6/6

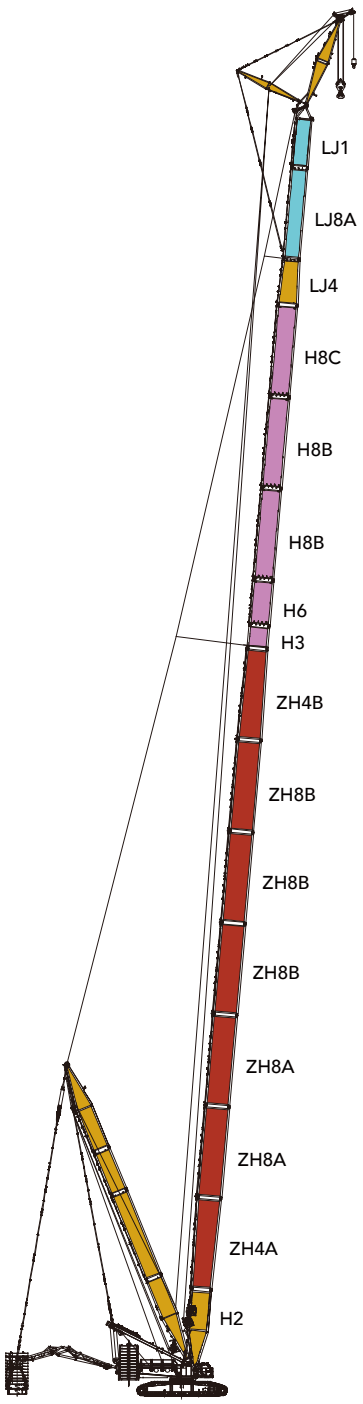
Boom length: 102m~165m, Jib length: 12m, Boom to jib angle: 20°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
18												18
19												19
20												20
22	123	123	123	120	114	106	101					22
24	120	120	120	118	114	107	101	96.4	91.4	84.5	80.1	24
26	117	117	118	116	114	106	101	95.9	90.8	84.0	79.5	26
28	115	115	116	113	113	106	100	95.4	90.2	83.4	78.8	28
30	112	113	113	111	112	105	99.7	94.8	89.7	82.7	78.3	30
32	110	111	111	109	110	104	99.1	94.2	89.1	82.2	77.7	32
34	108	108	109	107	108	104	98.7	93.6	88.5	81.6	77.2	34
36	106	106	107	105	106	103	98.1	93.0	88.0	81.0	76.6	36
38	104	104	105	103	104	102	97.4	92.4	87.4	80.3	76.1	38
40	101	102	103	101	102	102	96.8	91.8	86.8	79.8	75.5	40
44	97.9	98.7	99.7	97.3	98.6	98.6	95.5	90.5	85.7	78.6	74.4	44
48	94.4	95.4	95.9	93.9	94.8	95.6	94.2	89.3	84.4	77.5	73.3	48
52	91.0	92.1	92.7	89.9	92.2	92.5	92.7	88.1	83.3	76.5	72.3	52
56	88.3	88.8	89.7	86.5	89.0	90.1	90.4	86.8	82.2	75.5	71.2	56
60	85.6	86.3	87.2	83.2	85.8	87.5	86.3	84.6	81.0	74.4	70.2	60
64	82.8	83.8	84.8	80.0	82.7	81.9	79.9	78.3	76.3	73.3	69.1	64
68	80.9	81.2	80.3	77.4	76.8	76.1	74.2	72.6	70.7	70.4	68.2	68
72	78.9	79.4	80.1	74.8	71.5	70.8	69.0	67.5	65.6	65.4	63.6	72
76	76.4	77.2	75.3	72.4	72.0	71.4	69.6	62.8	61.0	60.8	59.1	76
80	72.7	72.3	70.5	69.1	67.3	66.8	65.0	63.6	61.8	56.6	55.0	80
84	67.4	67.7	66.0	64.7	63.0	62.5	60.8	59.4	57.8	57.6	56.0	84
88	61.9	62.3	61.2	60.4	58.9	58.6	56.9	55.6	54.0	53.9	52.3	88
92	56.9	57.3	56.2	55.4	54.3	54.6	53.3	52.0	50.4	50.4	48.8	92
96	52.3	52.7	51.6	50.8	49.7	50.0	48.9	48.2	47.1	47.1	45.6	96
100	48.1	48.4	47.3	46.6	45.5	45.8	44.7	44.0	42.9	43.5	42.5	100
104	44.2	44.6	43.5	42.7	41.6	41.9	40.8	40.1	39.0	39.7	38.6	104
108	40.6	41.0	39.9	39.1	38.0	38.3	37.2	36.5	35.4	36.1	35.0	108
112	37.2	37.6	36.5	35.8	34.7	35.0	33.9	33.1	32.1	32.7	31.6	112
116	34.1	34.5	33.4	32.7	31.6	31.9	30.8	30.0	28.9	29.6	28.5	116
120	31.2	31.6	30.5	29.7	28.7	28.9	27.9	27.1	26.0	26.7	25.6	120
124	28.4	28.8	27.7	27.0	25.9	26.2	25.1	24.4	23.3	24.0	22.9	124
128			25.2	24.5	23.4	23.7	22.6	21.8	20.8	21.4	20.3	128
132				22.0	21.0	21.3	20.2	19.4	18.4	19.0	18.0	132
136						19.0	17.9	17.2	16.1	16.8	15.7	136
140							15.8	15.0	14.0	14.6	13.6	140
144									11.9	12.6	11.5	144
148											9.6	148

HJFJDB_7 Boom Combination

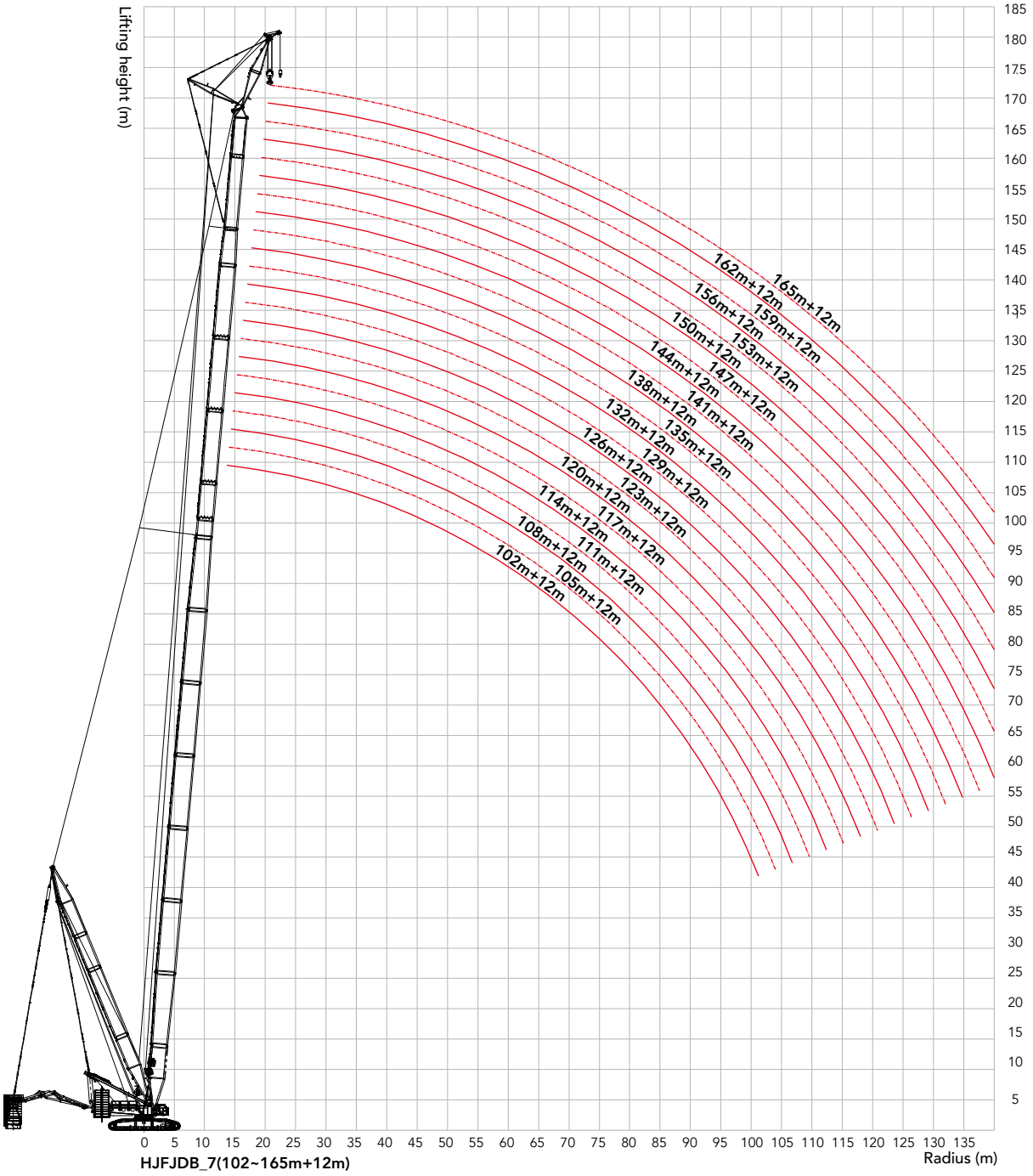
HJFJDB_7 Boom Combination					
Boom length(m)	Power boom	Boom insert			
	12m	3m	6m	12m	
114	6	-	1	-	Fixed jib 12m
117	6	1	1	-	
120	6	-	2	-	
123	6	1	2	-	
126*	7	-	1	-	
129*	7	1	1	-	
132*	7	-	2	-	
135*	7	1	2	-	
138*	7	-	1	1	
141*	7	1	1	1	
144*	7	-	2	1	
147*	7	1	2	1	
150*	7	-	1	2	
153*	7	1	1	2	
156*	7	-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

Note: Boom base, 6m tapered section, 12m jib insert and jib top are must. For combinations from 126m~165m, the mid-suspension cable is must, otherwise, the boom may break.



HJFJDB_7(114~165m+12m)

Working Radius of HJFJDB_7 Configuration



HJFJDB_7(102~165m+12m)

Unit: t

Load Chart of HJFJDB_7 Configuration

SCC7000A-HJFJDB_7 configuration 1/3

Boom length: 114m~165m, Jib length: 12m, Boom to jib angle: 10°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	114	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
17	168	167																	17
18	167	166	165	163	163	161													18
19	167	166	165	163	163	160	159	152	145	138									19
20	167	166	164	162	162	160	158	152	145	138	132	125	120	113					20
22	166	165	164	163	162	157	154	152	145	139	132	125	120	113	108	102	96.3	91.1	22
24	165	164	163	162	159	153	150	152	146	139	132	125	119	113	107	102	95.8	90.5	24
26	164	163	163	161	154	148	145	152	145	138	132	124	118	112	107	101	95.1	90.0	26
28	164	163	162	160	151	145	142	152	145	138	131	124	118	112	106	100	94.4	89.4	28
30	162	162	161	160	147	140	138	150	144	137	130	123	117	111	105	99.7	93.8	88.7	30
32	158	159	160	159	142	137	134	147	142	136	129	122	116	110	105	99.0	93.0	88.1	32
34	153	154	155	157	138	133	131	143	139	135	128	122	116	109	104	98.3	92.2	87.5	34
36	148	150	151	152	134	129	126	140	136	132	128	121	115	109	103	97.7	91.5	86.8	36
38	144	146	147	148	132	126	123	137	132	130	126	120	114	108	103	97.0	90.7	86.2	38
40	141	142	143	145	128	122	119	133	129	126	123	119	113	107	102	96.3	90.0	85.5	40
44	134	135	137	137	121	116	113	126	123	120	117	118	112	106	100	94.9	88.3	84.2	44
48	127	128	130	131	115	110	107	121	117	110	108	113	110	105	99.0	93.5	86.6	82.8	48
52	121	123	123	121	109	105	101	112	110	108	106	103	102	99.9	97.5	92.1	84.9	81.4	52
56	116	116	114	111	104	99.7	97.1	103	101	99.5	97.6	95.3	93.9	91.7	89.9	87.7	83.2	80.1	56
60	111	107	105	103	99.7	95.5	92.3	95.5	94.2	91.9	90.1	87.9	86.6	84.4	82.7	80.6	80.0	78.0	60
64	106	106	104	102	94.6	91.5	88.3	88.6	87.3	85.2	83.5	87.5	80.1	78.0	76.4	74.3	73.8	71.8	64
68	100	99.2	97.6	95.6	91.3	87.5	84.4	82.3	81.2	79.1	77.5	81.4	80.1	78.1	76.5	68.7	68.2	66.3	68
72	92.6	91.4	90.8	89.1	88.0	84.4	81.5	82.5	75.6	73.6	72.1	75.8	74.6	72.6	71.1	69.1	68.7	66.7	72
76	85.3	84.1	83.4	82.2	81.9	80.3	78.5	77.0	76.0	74.1	67.1	70.6	69.6	67.7	66.2	64.3	63.9	62.0	76
80	78.7	77.5	76.8	75.6	75.3	74.1	73.4	72.0	71.1	69.2	67.8	66.0	65.0	63.1	61.7	59.8	59.5	57.7	80
84	72.7	71.5	70.8	69.6	69.3	68.1	67.4	66.2	66.0	64.7	63.4	61.6	60.7	58.9	57.5	55.7	55.5	53.7	84
88	67.3	66.1	65.4	64.2	63.9	62.7	62.0	60.8	60.6	59.3	58.6	57.4	56.7	55.0	53.7	52.0	51.7	50.0	88
92	62.4	61.2	60.5	59.3	59.0	57.7	57.0	55.8	55.6	54.4	53.7	52.5	52.2	51.0	50.1	48.4	48.2	46.6	92
96	57.8	56.6	55.9	54.7	54.4	53.2	52.5	51.3	51.1	49.9	49.1	47.9	47.7	46.5	45.7	44.5	45.0	43.4	96
100	53.7	52.5	51.8	50.6	50.3	49.0	48.4	47.1	46.9	45.7	45.0	43.8	43.5	42.3	41.6	40.4	40.8	39.6	100
104	49.8	48.6	47.9	46.7	46.4	45.2	44.5	43.3	43.1	41.9	41.1	39.9	39.7	38.5	37.7	36.5	37.0	35.8	104
108		45.0	44.4	43.2	42.9	41.6	41.0	39.7	39.5	38.3	37.6	36.4	36.1	34.9	34.2	33.0	33.4	32.2	108
112			41.1	39.9	39.6	38.3	37.7	36.4	36.2	35.0	34.3	33.1	32.8	31.6	30.9	29.7	30.1	29.0	112
116					36.5	35.3	34.6	33.3	33.2	31.9	31.2	30.0	29.8	28.5	27.8	26.6	27.1	25.9	116
120							31.7	30.5	30.3	29.1	28.4	27.1	26.9	25.7	24.9	23.7	24.2	23.0	120
124								27.8	27.6	26.4	25.7	24.5	24.2	23.0	22.3	21.1	21.5	20.3	124
128										23.9	23.2	21.9	21.7	20.5	19.8	18.6	19.0	17.8	128
132												19.6	19.3	18.1	17.4	16.2	16.7	15.5	132
136													17.1	15.9	15.2	14.0	14.4	13.3	136
140															13.1	11.9	12.3	11.2	140
144																9.9	10.4	9.2	144
148																		7.3	148

Unit: t

Load Chart of HJFJDB_7 Configuration

SCC7000A-HJFJDB_7 configuration 2/3

Boom length: 114m~165m, Jib length: 12m, Boom to jib angle: 15°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	114	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
18	166	161																	18
19	163	161	156	155	152	147													19
20	161	158	154	154	152	146	143	145	140	132									20
22	157	156	154	154	152	144	139	145	140	132	125	123	118	113	107	102	96.4	91.1	22
24	151	152	153	153	151	144	136	145	140	132	125	123	118	112	107	102	96.0	90.5	24
26	147	148	149	149	148	142	136	142	139	132	125	123	118	112	107	101	95.4	90.1	26
28	143	144	145	146	144	139	136	140	136	132	125	123	118	112	106	100	94.8	89.5	28
30	140	140	141	142	140	136	133	136	133	131	125	123	117	111	106	99.8	94.2	88.9	30
32	136	131	132	135	137	128	129	133	130	128	125	122	116	110	105	99.2	93.5	88.3	32
34	133	127	128	131	134	122	127	129	128	125	122	122	116	110	104	98.6	92.8	87.8	34
36	126	124	125	126	128	120	123	127	125	123	119	121	115	109	104	98.0	92.2	87.1	36
38	120	121	122	123	122	117	121	124	122	120	117	120	114	108	103	97.4	91.4	86.5	38
40	117	119	119	120	118	114	111	121	120	118	115	120	114	108	102	96.7	90.6	85.9	40
44	112	113	115	115	113	109	106	116	115	112	109	118	112	107	101	95.5	89.1	84.6	44
48	108	109	109	110	108	104	101	111	110	107	105	113	111	105	99.7	94.2	87.6	83.4	48
52	103	104	105	106	104	99.1	96.3	108	106	103	100	103	102	100	98.3	92.8	85.6	82.1	52
56	98.9	100	101	102	98.8	95.0	92.0	103	101	98.5	96.2	95.5	94.1	91.9	90.1	88.0	82.2	80.8	56
60	95.7	96.2	97.6	98.5	95.1	91.1	88.1	95.7	94.3	92.1	90.3	88.1	86.8	84.7	83.0	80.9	78.7	78.2	60
64	91.5	93.0	94.3	95.6	91.0	87.2	85.0	88.7	87.5	85.3	83.7	81.6	80.3	78.2	76.6	74.6	74.0	72.1	64
68	88.3	90.0	91.4	91.9	87.9	84.2	81.3	82.5	81.3	79.3	77.7	81.6	80.3	78.3	70.9	69.0	68.5	66.6	68
72	86.3	87.0	88.4	89.0	84.8	81.2	78.4	82.6	75.8	73.8	72.3	76.0	74.8	72.8	71.3	69.4	68.9	61.6	72
76	83.3	84.3	83.9	82.7	81.8	78.3	76.0	77.2	76.2	74.3	67.3	70.9	69.8	67.9	66.4	64.5	64.1	62.3	76
80	79.1	77.9	77.2	76.0	75.7	74.5	73.7	72.2	71.3	69.4	68.0	66.2	65.2	63.3	61.9	60.1	59.7	57.9	80
84	73.1	71.9	71.2	70.0	69.7	68.5	67.8	66.6	66.4	64.9	63.6	61.8	60.9	59.1	57.8	56.0	55.7	53.9	84
88	67.6	66.4	65.8	64.6	64.3	63.1	62.4	61.2	61.0	59.8	59.1	57.9	56.9	55.2	53.9	52.2	52.0	50.3	88
92	62.6	61.5	60.8	59.6	59.3	58.1	57.4	56.2	56.0	54.8	54.1	52.9	52.6	51.5	50.3	48.7	48.5	46.8	92
96	58.1	56.9	56.2	55.0	54.8	53.5	52.9	51.6	51.4	50.2	49.5	48.3	48.1	46.9	46.2	45.0	45.2	43.6	96
100	53.9	52.7	52.0	50.9	50.6	49.3	48.7	47.4	47.3	46.1	45.3	44.1	43.9	42.7	42.0	40.8	41.3	40.1	100
104	50.0	48.8	48.2	47.0	46.7	45.5	44.8	43.6	43.4	42.2	41.5	40.3	40.0	38.8	38.1	36.9	37.4	36.2	104
108		45.2	44.6	43.4	43.1	41.9	41.2	40.0	39.8	38.6	37.9	36.7	36.5	35.3	34.5	33.3	33.8	32.6	108
112			41.2	40.1	39.8	38.6	37.9	36.7	36.5	35.3	34.6	33.4	33.1	31.9	31.2	30.0	30.5	29.3	112
116					36.7	35.5	34.8	33.6	33.4	32.2	31.5	30.3	30.0	28.8	28.1	26.9	27.4	26.2	116
120						32.5	31.9	30.7	30.5	29.3	28.6	27.4	27.1	26.0	25.2	24.0	24.5	23.3	120
124								28.0	27.8	26.6	25.9	24.7	24.4	23.3	22.5	21.3	21.8	20.6	124
128										24.0	23.3	22.1	21.9	20.7	20.0	18.8	19.3	18.1	128
132											21.0	19.8	19.5	18.3	17.6	16.4	16.9	15.7	132
136													17.3	16.1	15.4	14.2	14.7	13.5	136
140															13.2	12.1	12.5	11.4	140
144																10.0	10.5	9.4	144
148																		7.5	148

Unit: t

Load Chart of HJFJDB_7 Configuration

SCC7000A-HJFJDB_7 configuration 3/3

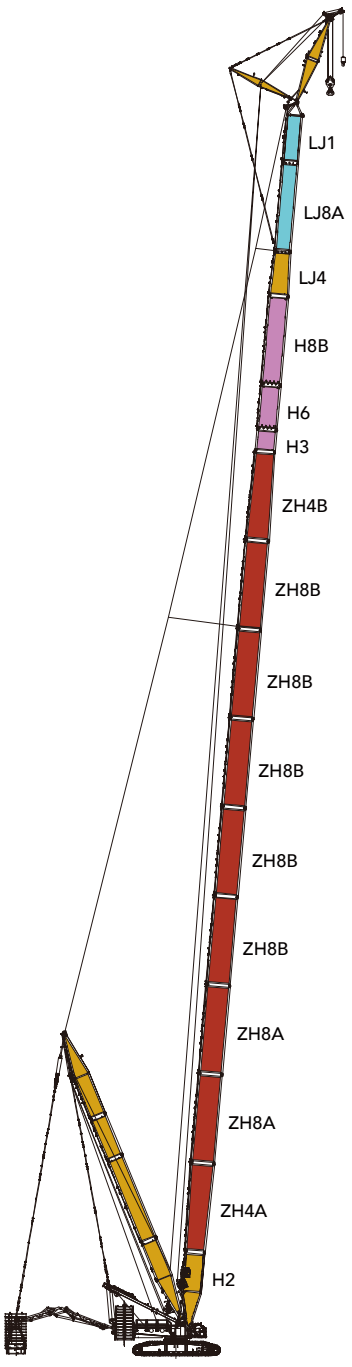
Boom length: 114m~165m, Jib length: 12m, Boom to jib angle: 20°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	114	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
19	126	127	127																19
20	125	124	125	126	126	125													20
22	121	122	122	122	123	122	122	123	123	123	122	122	116	111					22
24	118	119	119	119	119	119	119	120	120	120	120	121	116	111	105	100	95.8	90.2	24
26	115	116	117	117	116	116	116	117	118	117	117	119	115	110	105	100	95.3	89.8	26
28	113	114	113	114	114	114	114	115	116	115	115	117	115	110	105	100	94.7	89.3	28
30	110	111	111	112	112	111	112	112	113	113	113	114	115	111	105	99.6	94.2	88.8	30
32	107	109	108	110	109	108	109	110	111	111	111	112	112	110	105	99.1	93.6	88.3	32
34	105	106	107	107	107	107	107	108	108	109	108	110	110	110	104	98.5	93.0	87.8	34
36	103	103	104	105	104	104	105	106	106	107	106	108	108	108	104	98.0	92.3	87.2	36
38	100	102	102	103	102	102	103	104	104	105	104	106	106	106	103	97.5	91.8	86.6	38
40	98.9	99.3	100	101	100	99.7	100	102	102	103	102	104	105	104	102	96.9	91.1	86.1	40
44	94.7	95.3	96.5	97.1	96.4	95.9	97.3	98.3	98.4	98.4	99.0	101	101	101	101	95.7	88.7	84.9	44
48	91.6	92.2	92.6	94.2	92.9	92.9	93.5	94.8	94.9	95.1	95.7	97.5	97.4	97.6	97.4	94.5	84.9	83.7	48
52	88.5	89.3	89.7	90.6	89.5	90.1	90.5	92.1	92.2	92.4	92.4	93.8	94.4	94.7	95.1	93.3	81.6	82.5	52
56	85.5	86.3	86.8	87.9	86.4	87.1	87.6	88.5	88.8	89.1	89.8	91.5	91.5	91.8	90.3	88.2	78.3	81.3	56
60	82.5	83.4	84.0	85.1	84.3	84.2	84.6	85.9	86.2	86.4	87.2	88.3	87.0	84.9	83.2	81.1	75.5	78.5	60
64	79.6	80.5	81.4	82.3	81.4	81.3	81.8	83.2	84.3	84.5	83.8	81.7	80.5	78.4	76.8	74.8	72.7	72.3	64
68	77.7	78.7	79.6	80.2	79.3	79.3	78.6	81.3	81.5	79.5	77.9	81.7	80.5	78.5	71.1	69.2	68.7	66.8	68
72	75.3	76.1	76.8	77.9	77.3	77.3	76.3	77.0	76.0	74.0	72.5	76.2	75.0	73.0	71.5	69.6	63.7	61.8	72
76	73.4	74.3	75.0	76.2	75.3	75.3	73.5	76.9	76.4	69.0	67.5	71.1	70.0	68.1	66.6	64.7	64.3	62.5	76
80	71.1	72.4	73.3	73.9	73.4	73.4	71.6	72.4	71.5	69.6	68.2	66.4	65.4	63.5	62.1	60.3	60.0	58.2	80
84	69.5	70.7	71.5	70.4	70.1	68.9	68.2	67.0	66.9	65.1	63.8	62.0	61.1	59.3	58.0	56.2	55.9	54.2	84
88	67.9	66.7	66.1	64.9	64.6	63.4	62.8	61.6	61.4	60.2	59.5	58.0	57.1	55.4	54.1	52.4	52.2	50.5	88
92	62.9	61.7	61.1	59.9	59.6	58.4	57.7	56.5	56.4	55.2	54.5	53.3	53.1	51.8	50.5	48.9	48.7	47.0	92
96	58.3	57.1	56.5	55.3	55.0	53.8	53.2	52.0	51.8	50.6	49.9	48.7	48.5	47.3	46.6	45.4	45.4	43.8	96
100	54.1	52.9	52.3	51.1	50.8	49.6	48.9	47.7	47.6	46.4	45.7	44.5	44.2	43.1	42.4	41.2	41.6	40.5	100
104	50.2	49.0	48.4	47.2	46.9	45.7	45.0	43.8	43.7	42.5	41.8	40.6	40.4	39.2	38.5	37.3	37.8	36.6	104
108	46.5	45.4	44.7	43.6	43.3	42.1	41.4	40.2	40.1	38.9	38.2	37.0	36.8	35.6	34.9	33.7	34.1	33.0	108
112			41.4	40.2	39.9	38.7	38.1	36.9	36.7	35.5	34.8	33.6	33.4	32.2	31.5	30.3	30.8	29.6	112
116					36.8	35.6	35.0	33.8	33.6	32.4	31.7	30.5	30.3	29.1	28.4	27.2	27.7	26.5	116
120						32.7	32.0	30.8	30.7	29.5	28.8	27.6	27.4	26.2	25.5	24.3	24.8	23.6	120
124								28.1	27.9	26.7	26.1	24.9	24.6	23.5	22.8	21.6	22.1	20.9	124
128										24.2	23.5	22.3	22.1	20.9	20.2	19.0	19.5	18.3	128
132											21.1	19.9	19.7	18.5	17.8	16.6	17.1	15.9	132
136													17.4	16.2	15.5	14.4	14.8	13.7	136
140														14.1	13.4	12.2	12.7	11.5	140
144																10.2	10.7	9.5	144
148																		7.6	148

HJFJDB_9 Boom Combination

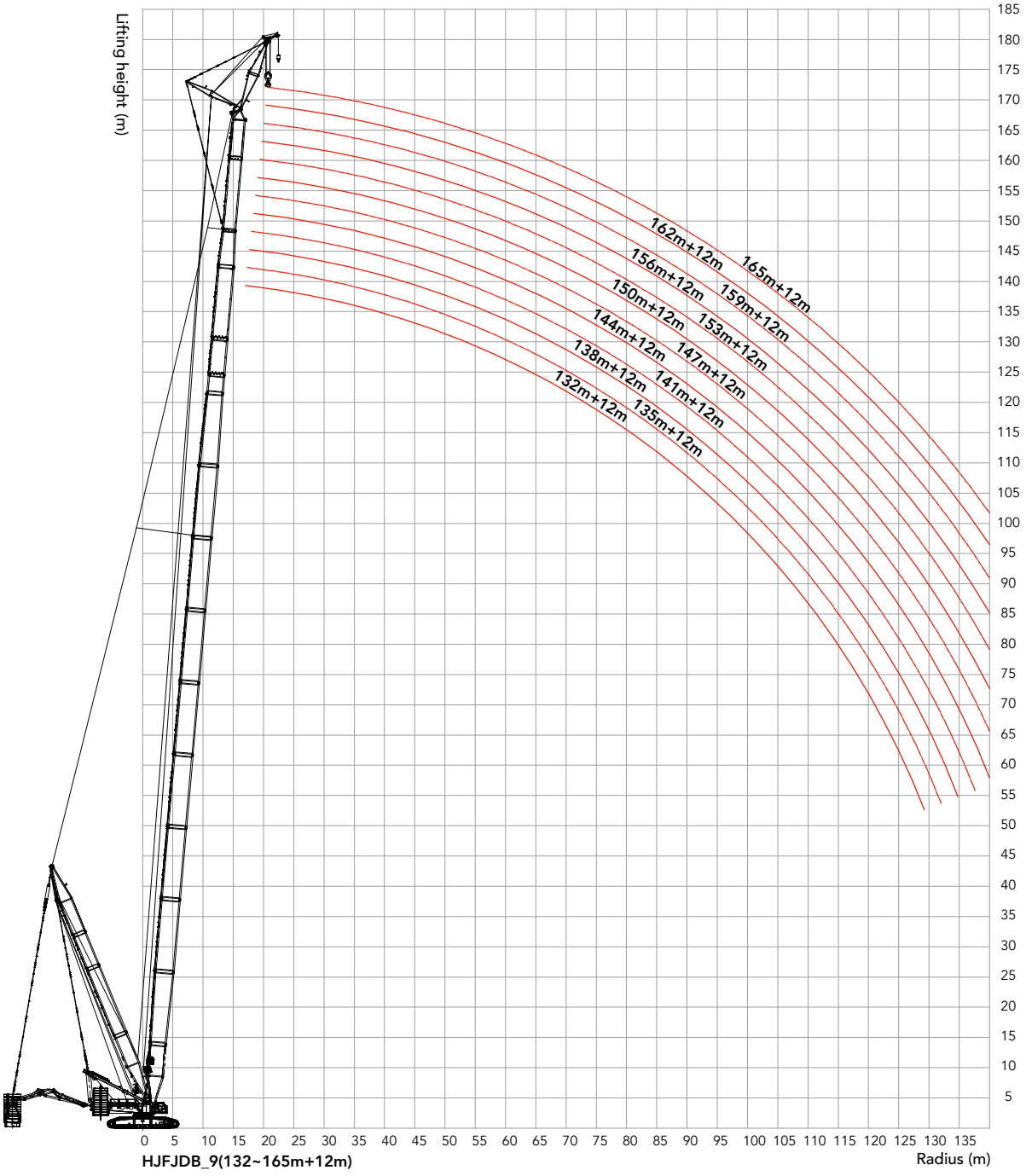
HJFJDB_9 Boom Combination					
Boom length(m)	Power boom	Boom insert			
	12m	3m	6m	12m	
132*	8	0	0	0	Fixed jib 12m
135*	8	1	0	0	
138*	8	0	1	0	
141*	8	1	1	0	
144*	9	0	0	0	
147*	9	1	0	0	
150*	9	0	1	0	
153*	9	1	1	0	
156*	9	0	0	1	
159*	9	1	0	1	
162*	9	0	1	1	
165*	9	1	1	1	

Note: Boom base, 6m tapered section, 12m jib insert and jib top are must. For combinations marked with "*", the mid-suspension cable is must, otherwise, the boom may break.



HJFJDB_9(132~165m+12m)

Working Radius of HJFJDB_9 Configuration



HJFJDB_9(132~165m+12m)

Unit: t

Load Chart of HJFJDB_9 Configuration

SCC7000A-HJFJDB_9 configuration 1/3

Boom length: 132m~165m, Jib length: 12m, Boom to jib angle: 10°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
20	160	155	148	141	135	130	124	118					20
22	159	156	148	141	135	129	124	118	113	108	103	99.2	22
24	158	156	148	142	135	130	124	118	113	108	102	97.7	24
26	157	154	148	141	135	130	124	118	113	107	102	97.3	26
28	153	151	147	140	135	130	124	118	113	107	101	95.7	28
30	149	146	143	140	135	130	124	117	112	106	101	95.1	30
32	146	143	140	137	135	129	123	117	111	105	100	94.5	32
34	141	139	136	134	134	128	122	116	111	105	99.4	94.0	34
36	138	135	133	131	134	128	122	115	110	104	98.7	93.3	36
38	134	132	129	128	130	127	121	115	109	104	98.2	92.7	38
40	131	128	126	124	128	126	120	114	109	103	97.5	92.1	40
44	124	122	119	117	121	125	119	112	107	101	96.2	90.7	44
48	118	116	114	112	116	113	111	109	106	100	94.8	89.5	48
52	112	110	108	106	106	103	102	99.7	98.3	96.0	93.4	88.2	52
56	106	103	101	99.4	97.9	95.5	93.7	91.4	90.1	87.9	86.2	84.0	56
60	98.2	95.8	94.1	91.8	90.4	88.1	86.4	84.2	83.0	80.8	79.2	77.0	60
64	97.6	88.9	87.2	85.0	83.7	81.5	79.9	77.8	76.6	74.5	72.9	70.9	64
68	90.9	88.7	87.1	85.0	77.8	75.6	74.1	72.0	70.9	68.9	67.4	65.4	68
72	84.9	82.8	81.3	79.2	78.0	76.0	68.8	66.8	65.8	63.8	62.3	60.4	72
76	79.3	77.3	75.9	73.9	72.9	70.9	69.4	67.4	66.4	59.2	57.8	55.9	76
80	73.8	72.3	71.0	69.1	68.1	66.2	64.8	62.9	61.9	60.0	58.6	51.7	80
84	67.8	66.6	65.9	64.6	63.7	61.8	60.5	58.6	57.8	55.9	54.6	52.8	84
88	62.4	61.1	60.5	59.2	58.9	57.6	56.5	54.7	53.9	52.1	50.9	49.1	88
92	57.5	56.2	55.5	54.2	54.0	52.7	52.0	50.7	50.4	48.6	47.4	45.6	92
96	52.9	51.7	51.0	49.7	49.5	48.2	47.5	46.2	46.0	44.8	44.0	42.4	96
100	48.8	47.5	46.8	45.6	45.3	44.0	43.3	42.0	41.9	40.6	39.9	38.6	100
104	44.9	43.7	43.0	41.7	41.5	40.2	39.5	38.2	38.0	36.7	36.0	34.8	104
108	41.4	40.1	39.4	38.2	37.9	36.6	35.9	34.6	34.5	33.2	32.5	31.2	108
112	38.1	36.8	36.1	34.9	34.6	33.3	32.6	31.3	31.2	29.9	29.2	27.9	112
116	35.0	33.7	33.1	31.8	31.5	30.2	29.6	28.3	28.1	26.8	26.1	24.9	116
120	32.1	30.9	30.2	28.9	28.7	27.4	26.7	25.4	25.2	24.0	23.3	22.0	120
124		28.2	27.5	26.2	26.0	24.7	24.0	22.7	22.6	21.3	20.6	19.3	124
128				23.7	23.5	22.2	21.5	20.2	20.1	18.8	18.1	16.8	128
132						19.8	19.1	17.9	17.7	16.4	15.7	14.4	132
136							16.9	15.6	15.5	14.2	13.5	12.2	136
140									13.4	12.1	11.4	10.1	140
144										10.1	9.4	8.1	144
148												6.3	148

Unit: t

Load Chart of HJFJDB_9 Configuration

SCC7000A-HJFJDB_9 configuration 2/3

Boom length: 132m~165m, Jib length: 12m, Boom to jib angle: 15°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
20	152	150	146	138									20
22	149	146	144	138	131	128	122	117	112	106	101	98.0	22
24	146	143	140	138	131	128	123	117	112	107	102	98.0	24
26	143	140	138	135	131	128	123	117	112	107	102	98.0	26
28	139	138	134	133	131	128	123	117	112	107	101	97.0	28
30	136	134	131	130	131	128	123	117	112	106	101	95.3	30
32	133	131	128	127	129	128	123	117	112	106	100	94.7	32
34	129	128	126	123	126	126	123	116	111	105	99.7	94.2	34
36	126	125	123	121	123	122	122	116	110	104	99.1	93.7	36
38	123	122	120	118	121	121	121	115	110	104	98.5	93.1	38
40	121	120	117	116	119	121	121	114	109	103	98.0	92.4	40
44	116	114	112	111	114	114	115	113	108	102	96.7	91.3	44
48	111	109	107	105	109	104	111	109	107	101	95.4	90.1	48
52	107	104	102	101	104	104	102	99.9	98.5	96.2	94.2	88.8	52
56	102	99.9	97.4	96.1	98.0	95.7	93.9	91.6	90.4	88.1	86.5	84.3	56
60	97.4	95.5	93.6	92.0	90.6	88.3	86.6	84.4	83.2	81.1	79.4	77.3	60
64	93.4	89.1	87.4	85.2	83.9	81.8	80.1	78.0	76.9	74.8	73.2	71.2	64
68	90.2	88.5	86.8	79.2	78.0	75.9	74.3	72.2	71.2	69.1	67.6	65.6	68
72	85.0	83.0	81.5	79.4	78.2	76.2	69.0	67.0	66.0	64.1	62.6	60.7	72
76	79.5	77.5	76.1	74.1	73.1	71.1	69.6	67.6	61.4	59.4	58.0	56.1	76
80	74.3	72.5	71.2	69.3	68.3	66.4	65.0	63.1	62.2	60.3	53.9	52.0	80
84	68.3	67.0	66.3	64.8	63.9	62.0	60.7	58.9	58.0	56.2	54.9	53.0	84
88	62.8	61.5	60.9	59.6	59.4	58.0	56.8	55.0	54.2	52.4	51.1	49.3	88
92	57.8	56.6	55.9	54.7	54.4	53.1	52.5	51.2	50.6	48.9	47.6	45.9	92
96	53.3	52.0	51.4	50.1	49.9	48.6	47.9	46.6	46.5	45.2	44.4	42.7	96
100	49.1	47.8	47.2	45.9	45.7	44.4	43.7	42.4	42.3	41.0	40.3	39.1	100
104	45.2	44.0	43.3	42.0	41.8	40.5	39.8	38.6	38.4	37.1	36.4	35.2	104
108	41.6	40.4	39.7	38.5	38.2	36.9	36.3	35.0	34.8	33.6	32.9	31.6	108
112	38.3	37.1	36.4	35.1	34.9	33.6	32.9	31.7	31.5	30.2	29.5	28.3	112
116	35.2	34.0	33.3	32.0	31.8	30.5	29.8	28.6	28.4	27.1	26.5	25.2	116
120	32.3	31.1	30.4	29.2	28.9	27.6	27.0	25.7	25.5	24.3	23.6	22.3	120
124		28.3	27.7	26.4	26.2	24.9	24.3	23.0	22.8	21.6	20.9	19.6	124
128				23.9	23.7	22.4	21.7	20.4	20.3	19.0	18.3	17.1	128
132					21.3	20.0	19.3	18.1	17.9	16.6	15.9	14.7	132
136							17.1	15.8	15.7	14.4	13.7	12.4	136
140									13.5	12.3	11.6	10.3	140
144										10.3	9.6	8.3	144
148												6.4	148

Unit: t

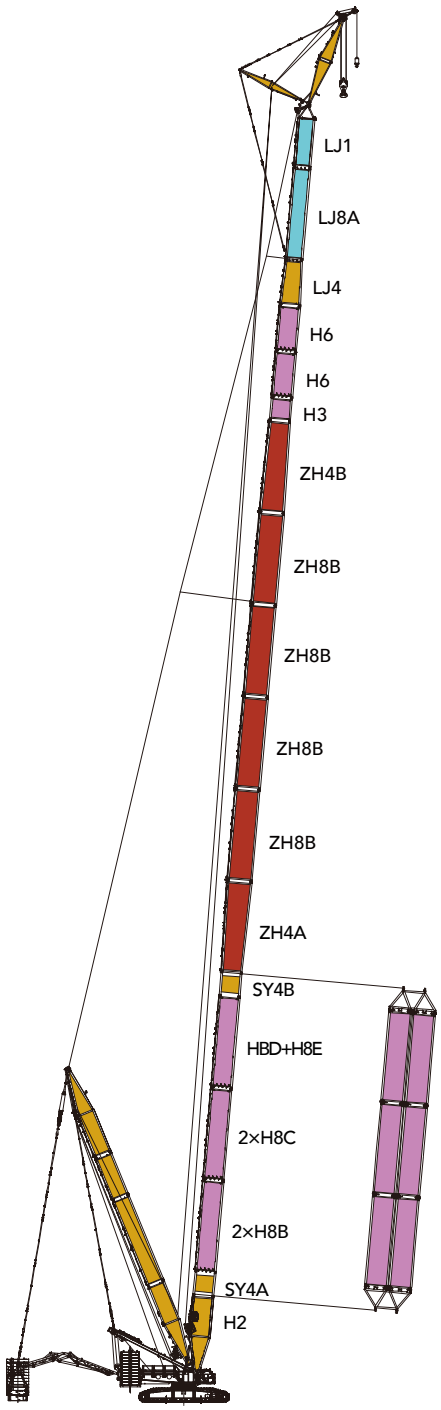
Load Chart of HJFJDB_9 Configuration

SCC7000A-HJFJDB_9 configuration 3/3													
Boom length: 132m~165m, Jib length: 12m, Boom to jib angle: 20°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t													
Radius (m)	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
22	123	123	123	123	123	124	120	115					22
24	120	120	120	120	121	122	121	115	110	105	99.7	95.4	24
26	118	117	117	117	118	120	120	115	110	105	99.9	95.5	26
28	115	115	115	115	116	117	117	114	110	105	101	95.6	28
30	113	112	113	113	114	115	115	115	111	105	101	95.1	30
32	110	110	111	111	111	113	113	113	111	106	100	94.6	32
34	107	108	108	109	109	111	111	110	110	105	99.6	94.2	34
36	105	106	106	106	107	109	109	109	109	104	99.1	93.7	36
38	104	104	104	104	105	107	107	107	107	104	98.6	93.1	38
40	102	102	102	102	103	105	105	105	105	103	98.1	92.6	40
44	97.7	97.7	98.3	98.6	99.6	101	101	102	102	102	96.9	91.5	44
48	93.9	94.7	94.6	95.0	96.3	98.0	98.3	98.3	98.2	98.3	95.8	90.3	48
52	90.9	91.8	91.8	92.2	92.9	94.3	94.6	95.3	95.3	95.6	94.5	89.2	52
56	88.0	88.9	88.9	89.4	90.3	91.9	92.3	91.8	90.6	88.4	86.7	84.6	56
60	85.0	86.0	86.1	86.5	87.8	88.5	86.8	84.6	83.4	81.3	79.7	77.6	60
64	82.9	83.1	83.9	84.4	84.1	81.9	80.3	78.2	77.1	75.0	73.4	71.4	64
68	80.8	81.0	81.1	79.4	78.2	76.1	74.5	72.5	71.4	69.4	67.9	65.9	68
72	78.3	79.0	79.0	79.6	78.4	70.7	69.3	67.3	66.3	64.3	62.9	60.9	72
76	76.3	76.9	76.3	74.3	73.3	71.3	69.8	67.9	61.6	59.7	58.3	56.4	76
80	74.6	72.7	71.4	69.5	68.5	66.6	65.2	63.3	62.4	60.5	54.1	52.3	80
84	68.7	67.4	66.8	65.0	64.1	62.3	60.9	59.1	58.2	56.4	55.1	53.3	84
88	63.2	61.9	61.3	60.0	59.8	58.2	57.0	55.2	54.4	52.6	51.3	49.6	88
92	58.2	56.9	56.3	55.0	54.8	53.5	52.9	51.5	50.8	49.1	47.8	46.1	92
96	53.6	52.3	51.7	50.4	50.2	48.9	48.3	47.0	46.9	45.6	44.6	42.9	96
100	49.4	48.1	47.5	46.2	46.0	44.7	44.1	42.8	42.6	41.4	40.7	39.5	100
104	45.5	44.2	43.6	42.3	42.1	40.8	40.2	38.9	38.8	37.5	36.8	35.6	104
108	41.9	40.6	40.0	38.7	38.5	37.2	36.6	35.3	35.1	33.9	33.2	32.0	108
112	38.5	37.3	36.6	35.4	35.1	33.9	33.2	32.0	31.8	30.5	29.9	28.6	112
116	35.4	34.1	33.5	32.3	32.0	30.8	30.1	28.8	28.7	27.4	26.7	25.5	116
120	32.5	31.2	30.6	29.3	29.1	27.8	27.2	25.9	25.8	24.5	23.8	22.6	120
124		28.5	27.8	26.6	26.4	25.1	24.5	23.2	23.0	21.8	21.1	19.9	124
128				24.0	23.8	22.6	21.9	20.6	20.5	19.2	18.6	17.3	128
132					21.4	20.1	19.5	18.2	18.1	16.8	16.2	14.9	132
136							17.2	16.0	15.8	14.6	13.9	12.6	136
140								13.8	13.7	12.4	11.8	10.5	140
144										10.4	9.7	8.5	144
148												6.6	148

HJFJDB_SY3 Boom Combination

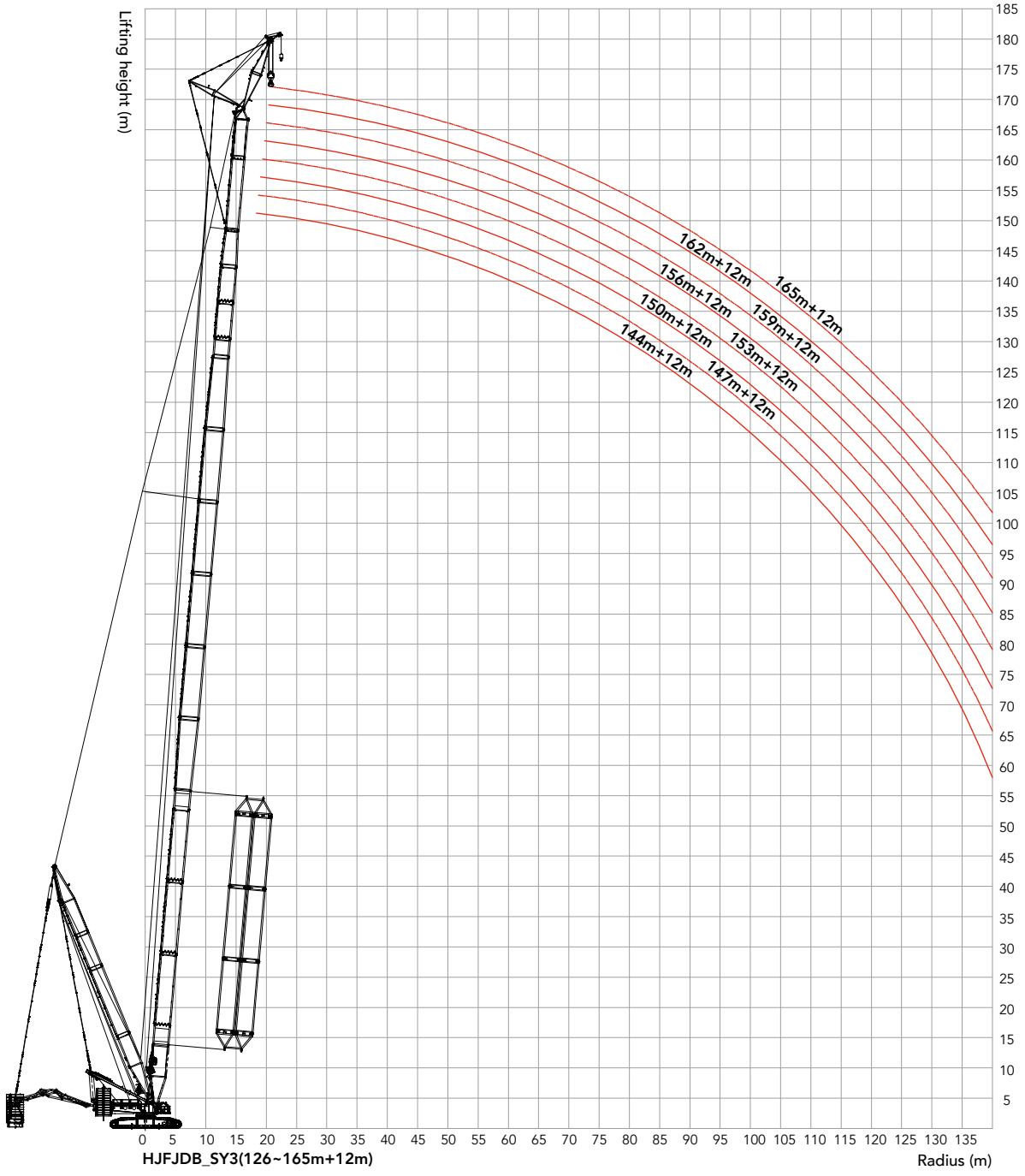
HJFJDB_SY3 Boom Combination					
Boom length(m)	Power boom	Boom insert			
	12m	3m	6m	12m	
144*	5	0	1	6	Fixed jib 12m
147*	5	1	1	6	
150*	5	0	2	6	
153*	5	1	2	6	
156*	6	0	1	6	
159*	6	1	1	6	
162*	6	0	2	6	
165*	6	1	2	6	

Note: Super power boom combination must includes: lower and upper transition section of super power boom , boom base, 6m tapered section, 12m jib insert and jib top.
For combinations marked with "*", the mid-suspension cable is must, otherwise, the boom may break.



HJFJDB_SY3(126~165m+12m)

Working Radius of HJFJDB_SY3 Configuration



HJFJDB_SY3(126~165m+12m)

Unit: t

Load Chart of HJFJDB_SY3 Configuration

SCC7000A-HJFJDB_SY3 Configuration 1/3									
Boom length: 144m~165m, Jib length: 12m, Boom to jib angle: 10°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t									
Radius (m)	144	147	150	153	156	159	162	165	Radius (m)
18									18
19									19
20	157	150	144	137					20
22	158	150	143	136	132	126	120	108	22
24	157	150	142	135	131	125	119	107	24
26	156	146	138	134	131	124	118	107	26
28	155	143	134	134	130	123	118	106	28
30	147	140	133	131	125	119	117	105	30
32	146	139	132	127	122	116	113	104	32
34	145	138	131	124	121	115	109	104	34
36	142	137	130	123	120	114	109	103	36
38	135	132	129	122	119	114	108	102	38
40	128	125	123	120	119	113	107	102	40
44	114	112	110	108	106	104	102	100	44
48	103	101	99.7	97.3	95.8	93.6	91.8	89.6	48
52	94.5	92.2	90.4	88.2	86.8	84.6	82.9	80.8	52
56	92.6	90.3	88.6	80.3	78.9	76.8	75.2	73.2	56
60	85.1	82.9	81.3	79.2	77.8	75.7	68.5	66.5	60
64	78.4	76.3	74.8	72.7	71.5	69.4	67.9	65.9	64
68	72.4	70.4	69.0	67.0	65.8	63.8	62.4	60.4	68
72	67.0	65.1	63.7	61.8	60.6	58.7	57.3	55.4	72
76	62.1	60.2	58.9	57.0	55.9	54.1	52.7	50.9	76
80	62.7	55.7	54.4	52.6	51.6	49.8	48.6	46.8	80
84	58.3	56.6	55.3	48.6	47.7	45.9	44.7	42.9	84
88	53.0	51.9	51.3	49.7	48.7	47.0	41.1	39.4	88
92	48.1	46.9	46.3	45.1	44.8	43.5	42.3	40.6	92
96	43.5	42.4	41.8	40.6	40.3	39.1	38.5	37.3	96
100	39.4	38.2	37.6	36.4	36.1	34.9	34.3	33.1	100
104	35.5	34.3	33.8	32.6	32.3	31.1	30.5	29.2	104
108	32.0	30.8	30.2	29.0	28.7	27.5	26.9	25.7	108
112	28.7	27.5	26.9	25.7	25.4	24.2	23.6	22.4	112
116	25.6	24.4	23.8	22.6	22.3	21.1	20.5	19.3	116
120	22.7	21.5	21.0	19.8	19.5	18.3	17.7	16.4	120
124	20.0	18.9	18.3	17.1	16.8	15.6	15.0	13.8	124
128	17.5	16.3	15.7	14.6	14.3	13.1	12.5	11.2	128
132		14.0	13.4	12.2	11.9	10.7	10.1	8.9	132
136			11.1	10.0	9.7	8.5	7.9	6.7	136
140					7.6	6.4	5.8		140

Unit: t

Load Chart of HJFJDB_SY3 Configuration

SCC7000A-HJFJDB_SY3 Configuration 2/3

Boom length: 144m~165m, Jib length: 12m, Boom to jib angle: 15°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

Radius (m)	144	147	150	153	156	159	162	165	Radius (m)
19									19
20									20
22	152	149	142	128	130	125	119	105	22
24	152	149	142	128	131	124	119	105	24
26	151	149	142	128	130	124	118	105	26
28	148	146	141	128	130	123	118	105	28
30	146	143	140	128	129	122	117	105	30
32	141	141	138	128	128	122	116	105	32
34	139	138	135	128	128	121	115	105	34
36	136	135	132	128	127	121	115	105	36
38	132	132	130	128	126	120	114	105	38
40	128	125	123	121	119	117	113	105	40
44	115	112	110	108	106	104	102	100	44
48	104	101	100	97.7	96.2	93.9	92.2	90.1	48
52	94.8	92.5	90.7	88.5	87.1	84.9	83.3	81.2	52
56	92.9	90.6	82.8	80.6	79.3	77.2	75.6	73.6	56
60	85.4	83.2	81.6	79.5	78.2	70.3	68.8	66.9	60
64	78.7	76.6	75.1	73.0	71.8	69.8	68.3	66.3	64
68	72.7	70.7	69.2	67.3	66.1	64.1	62.7	60.8	68
72	67.3	65.4	64.0	62.1	60.9	59.0	57.6	55.8	72
76	62.3	60.5	59.2	57.3	56.2	54.4	53.1	51.2	76
80	63.0	56.0	54.7	52.9	51.9	50.1	48.9	47.1	80
84	58.6	56.8	55.6	48.9	48.0	46.2	45.0	43.3	84
88	53.5	52.4	51.6	49.9	49.0	42.6	41.4	39.7	88
92	48.6	47.4	46.8	45.6	45.3	43.7	42.6	36.4	92
96	44.0	42.8	42.2	41.1	40.8	39.6	39.0	37.7	96
100	39.8	38.6	38.0	36.9	36.6	35.4	34.8	33.6	100
104	35.9	34.7	34.2	33.0	32.7	31.5	30.9	29.7	104
108	32.3	31.1	30.6	29.4	29.1	27.9	27.3	26.1	108
112	29.0	27.8	27.2	26.1	25.8	24.6	24.0	22.8	112
116	25.9	24.7	24.1	23.0	22.7	21.5	20.9	19.7	116
120	23.0	21.8	21.2	20.1	19.8	18.6	18.0	16.8	120
124	20.3	19.1	18.5	17.4	17.1	15.9	15.3	14.1	124
128	17.7	16.6	16.0	14.8	14.5	13.3	12.7	11.5	128
132	15.3	14.2	13.6	12.4	12.1	10.9	10.3	9.2	132
136			11.3	10.2	9.9	8.7	8.1	6.9	136
140					7.8	6.6	6.0		140

Unit: t

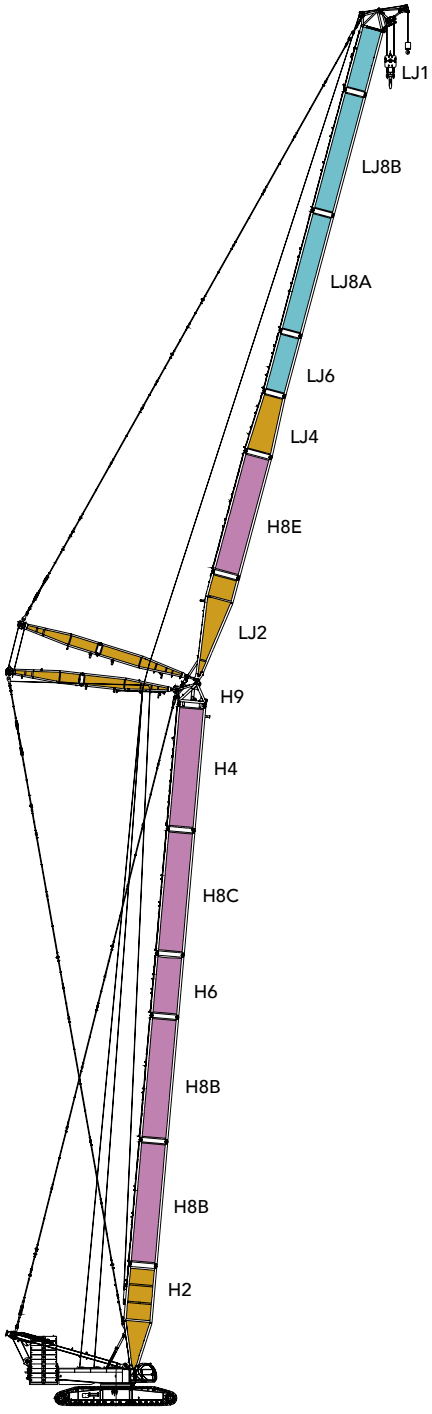
Load Chart of HJFJDB_SY3 Configuration

SCC7000A-HJFJDB_SY3 Configuration 3/3									
Boom length: 144m~165m, Jib length: 12m, Boom to jib angle: 20°, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t									
Radius (m)	144	147	150	153	156	159	162	165	Radius (m)
20									20
22	117	117	117	117					22
24	115	115	114	115	116	110	105	100	24
26	113	112	112	112	114	110	105	100	26
28	110	110	111	110	112	110	105	99.9	28
30	108	108	108	108	110	110	105	99.4	30
32	106	106	106	106	108	108	104	98.7	32
34	104	104	104	104	107	106	104	98.2	34
36	102	102	102	102	105	104	103	97.7	36
38	99.8	100	100	100	103	103	103	97.0	38
40	97.8	98.5	98.4	98.3	101	101	101	96.5	40
44	94.5	94.5	95.1	95.1	97.7	97.4	98.0	95.3	44
48	91.2	92.0	91.9	92.0	94.3	94.3	92.6	90.5	48
52	88.6	88.7	88.7	88.8	87.4	85.3	83.7	81.6	52
56	86.0	84.7	83.0	80.9	79.6	77.5	76.0	73.9	56
60	83.3	83.5	81.9	79.8	78.4	70.7	69.2	67.2	60
64	79.0	76.9	75.4	73.3	72.1	70.1	68.6	66.6	64
68	73.0	71.0	69.5	67.6	66.4	64.4	63.0	61.1	68
72	67.6	65.6	64.2	62.3	61.2	59.3	58.0	56.1	72
76	62.6	60.7	59.4	57.6	56.5	54.7	53.4	51.5	76
80	58.0	56.3	55.0	53.2	52.2	50.4	49.2	47.4	80
84	58.8	57.1	55.9	49.2	48.2	46.5	45.3	43.6	84
88	54.0	52.9	51.9	50.2	49.3	42.9	41.7	40.0	88
92	49.0	47.8	47.3	46.1	45.7	44.0	42.9	36.7	92
96	44.4	43.2	42.7	41.5	41.2	40.0	39.4	38.0	96
100	40.1	39.0	38.4	37.3	37.0	35.8	35.2	34.0	100
104	36.2	35.1	34.5	33.4	33.1	31.9	31.3	30.1	104
108	32.6	31.5	30.9	29.7	29.5	28.3	27.7	26.5	108
112	29.3	28.1	27.5	26.4	26.1	24.9	24.3	23.1	112
116	26.1	25.0	24.4	23.3	23.0	21.8	21.2	20.0	116
120	23.2	22.1	21.5	20.3	20.1	18.9	18.3	17.1	120
124	20.5	19.3	18.7	17.6	17.3	16.1	15.5	14.4	124
128	17.9	16.7	16.2	15.0	14.8	13.6	13.0	11.8	128
132	15.5	14.3	13.8	12.6	12.3	11.2	10.6	9.4	132
136			11.5	10.3	10.1	8.9	8.3	7.1	136
140				8.2	7.9	6.7	6.2	5.0	140

LJ Boom Combination

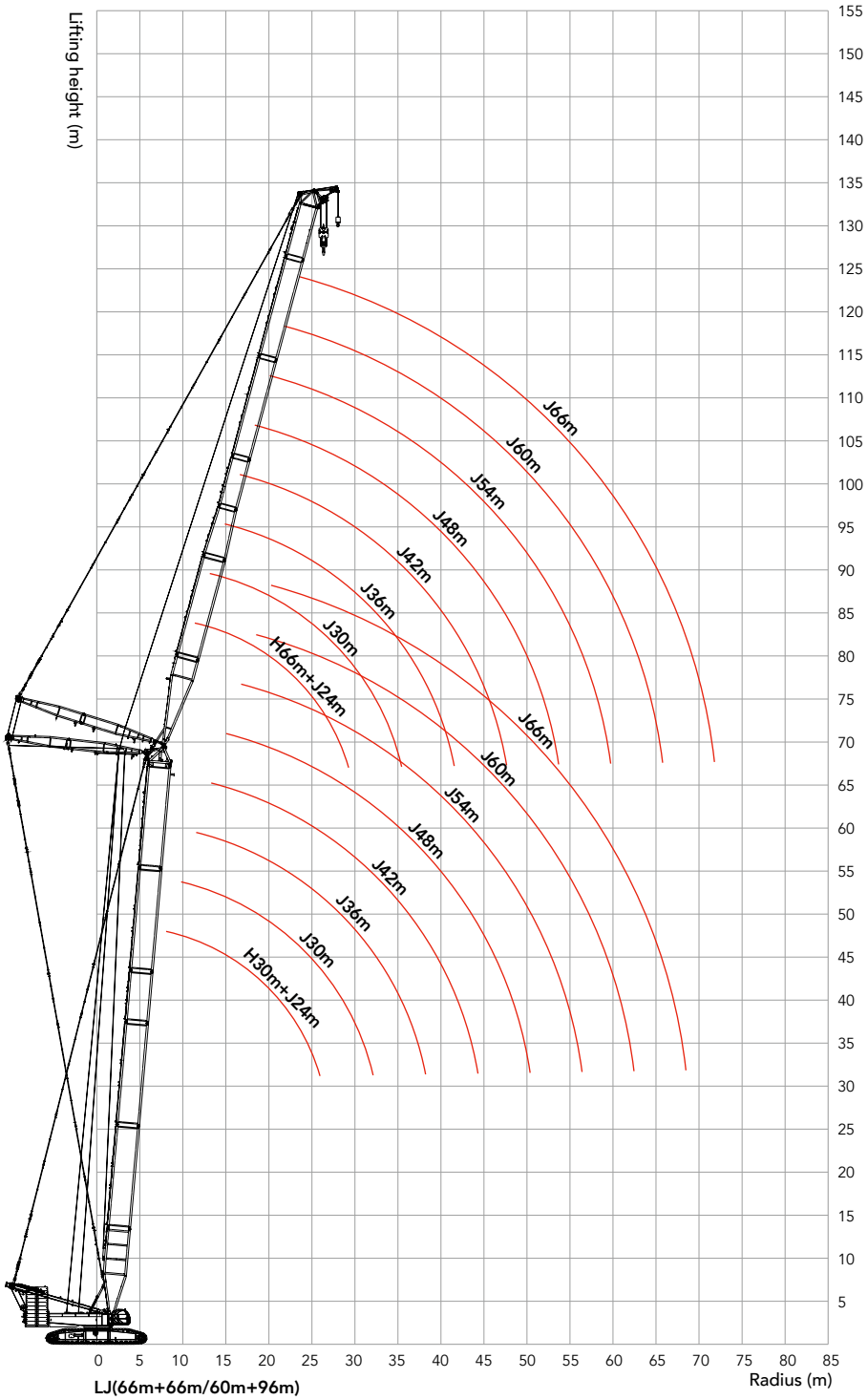
LJ Boom Combination			
Boom length(m)	Boom insert	Jib insert	
	12m	6m	12m
24	-	-	-
30	-	1	-
36	1	-	-
42	1	1	-
48	1	2	-
54	1	1	1
60	1	2	1
66	1	1	2
72	1	2	2
78	1	1	3
84	1	2	3
90*	1	1	4
96*	1	2	4

Note: Boom combination is the same as H configuration.
For jib combination: Jib base, 6m tapered section and jib top are must.
For combinations marked with "*", the mid-suspension cable is must, otherwise, the boom may break.



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

Working Radius of LJ Configuration



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

Unit: t

Load Chart of LJ Configuration

SCC7000A-LJ Configuration 1/7														
Boom length: 30m, Boom to jib angle: 85°, Jib length: 24m~96m, Rear counterweight: 210t, Carbody counterweight: 70t														
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

SCC7000A-LJ Configuration 2/7														
Boom length: 36m, Boom to jib angle: 85°, Jib length: 24m~96m, Rear counterweight: 210t, Carbody counterweight: 70t														
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

SCC7000A-LJ Configuration 3/7														
Boom length: 42m, Boom to jib angle: 85°, Jib length: 24m~96m, Rear counterweight: 210t, Carbody counterweight: 70t														
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

SCC7000A-LJ Configuration 4/7														
Boom length: 48m, Boom to jib angle: 85°, Jib length: 24m~96m, Rear counterweight: 210t, Carbody counterweight: 70t														
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

SCC7000A-LJ Configuration 5/7														
Boom length: 54m, Boom to jib angle: 85°, Jib length: 24m~96m, Rear counterweight: 210t, Carbody counterweight: 70t														
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

SCC7000A-LJ Configuration 6/7														
Boom length: 60m, Boom to jib angle: 85°, Jib length: 24m~96m, Rear counterweight: 210t, Carbody counterweight: 70t														
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

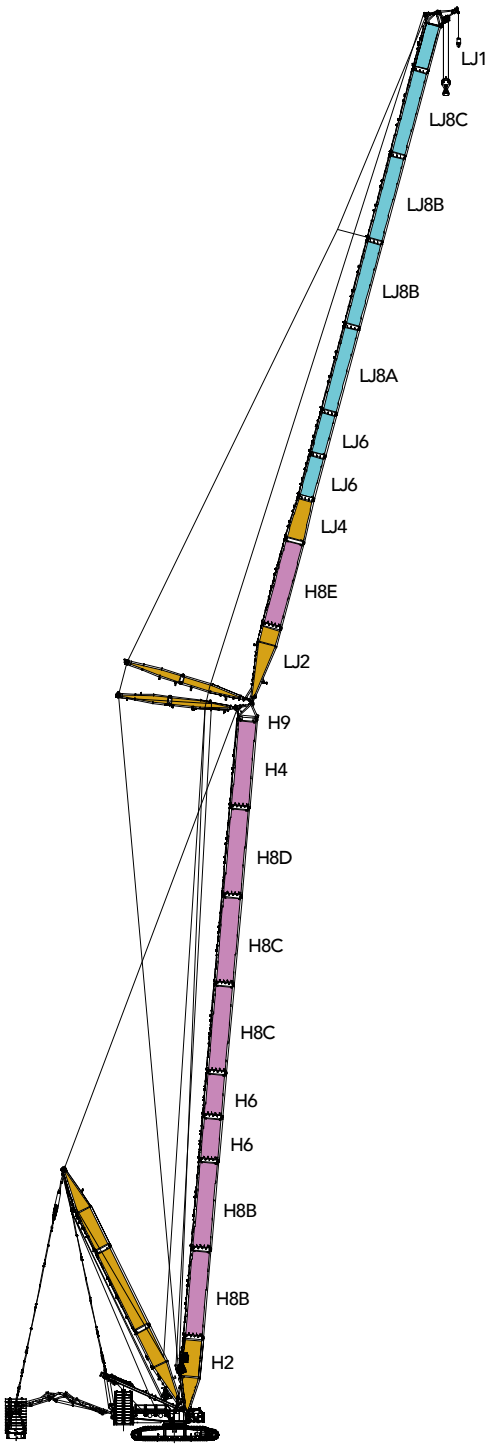
Load Chart of LJ Configuration

SCC7000A-LJ Configuration 7/7									
Boom length: 66m, Boom to jib angle: 85°, Jib length: 24m~66m, Rear counterweight: 210t, Carbody counterweight: 70t									
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

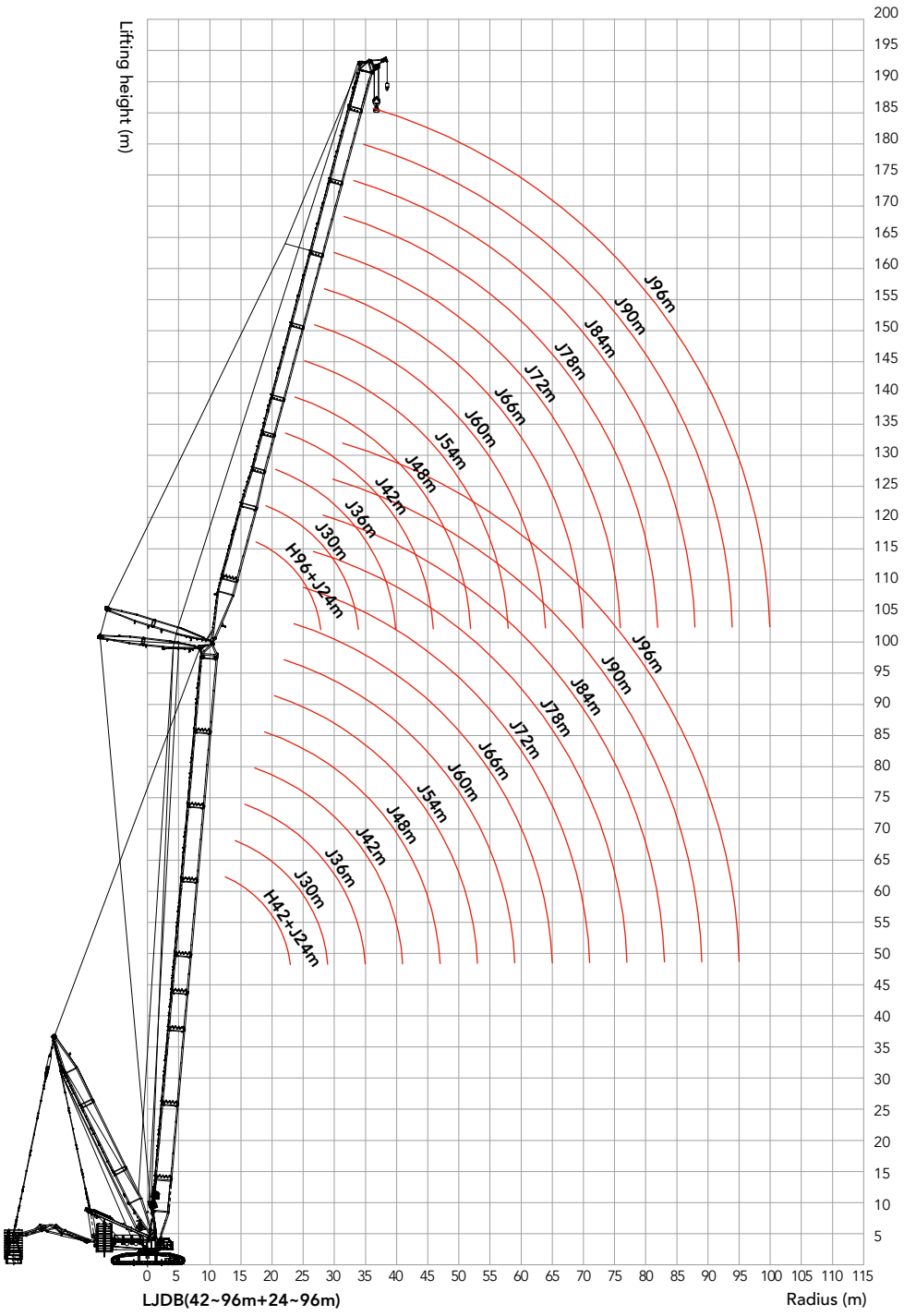
LJDB Boom Combination			
Boom length(m)	Boom insert	Jib insert	
	12m	6m	12m
24	-	-	-
30	-	1	-
36	1	-	-
42	1	1	-
48	1	2	-
54	1	1	1
60	1	2	1
66	1	1	2
72	1	2	2
78	1	1	3
84	1	2	3
90*	1	1	4
96*	1	2	4

Note: Boom combination is the same as H configuration.
For jib combination: Jib base, 6m tapered section and jib top are must.
For combinations marked with "*", the mid-suspension cable is must, otherwise, the boom may break.



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

Working Radius of LJDB Configuration



Unit: t

Load Chart of LJDB Configuration

SCC7000A-LJDB Configuration 1/10

Boom length: 42m, Boom to jib angle: 85°, Jib length: 24m~96m, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

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										20
22	306	303	273	245	210									22
24	267	273	258	235	205									24
26	226	243	240	227	200	173								26
28	189	218	218	215	195	168	146							28
30		191	199	200	188	162	144	124	106					30
32		165	180	181	180	157	142	123	105	88.2				32
34		141	165	166	166	151	141	121	104	86.2	75.5			34
36			155	153	152	145	138	119	103	85.1	74.2	63.3		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	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

SCC7000A-LJDB Configuration 2/10

Boom length: 48m, Boom to jib angle: 85°, Jib length: 24m~96m, Superlift radius: 21m, Superlift counterweight: 0t~360t,
Rear counterweight: 210t, Carbody counterweight: 70t

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										22
24	265	272	246	217	190									24
26	225	245	240	212	186	163								26
28	190	215	223	207	182	158	137							28
30		190	205	199	177	155	136	117						30
32		165	187	185	171	147	134	116	99.3	83.1				32
34		140	172	171	165	144	133	114	98.2	82.3	71.3			34
36			160	158	155	139	131	112	95.9	81.1	70.4	60.1		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

SCC7000A-LJDB Configuration 3/10

Boom length: 54m, Boom to jib angle: 85°, Jib length: 24m~96m, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

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									24
26	238	241	223	200	177	155	133							26
28	200	223	215	195	173	151	131	112						28
30	163	196	206	190	168	146	129	111	95.4					30
32		172	195	183	163	142	128	110	94.5	79.6				32
34		147	183	175	159	138	125	108	93.3	78.5	68.1	59.4		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

SCC7000A-LJDB Configuration 4/10

Boom length: 60m, Boom to jib angle: 85°, Jib length: 24m~96m, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

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										22
24	245	227	210	186	165									24
26	231	218	205	182	161	141								26
28	210	207	192	178	157	139	121	106						28
30	175	197	185	170	155	136	119	104	90.1					30
32		180	175	165	151	133	118	103	88.0	75.4				32
34		155	170	158	147	129	115	101	87.4	74.2	64.2			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

SCC7000A-LJDB Configuration 5/10														
Boom length: 66m, Boom to jib angle: 85°, Jib length: 24m~96m, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t														
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										22
24	221	206	190	173	150									24
26	210	200	185	169	147	130								26
28	200	188	175	161	143	128	112							28
30	182	178	168	155	140	124	110	98.6	85.4					30
32		171	161	149	136	122	108	95.2	83.2	72.1				32
34		160	153	140	132	120	107	93.1	82.1	70.8	61.3			34
36		135	146	138	128	117	106	92.3	79.8	69.5	60.5	51.1		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

SCC7000A-LJDB Configuration 6/10

Boom length: 72m, Boom to jib angle: 85°, Jib length: 24m~96m, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

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	89.5	79.6					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

SCC7000A-LJDB Configuration 7/10

Boom length: 78m, Boom to jib angle: 85°, Jib length: 24m~96m, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

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	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	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	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

SCC7000A-LJDB Configuration 8/10

Boom length: 84m, Boom to jib angle: 85°, Jib length: 24m~96m, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

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	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	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

SCC7000A-LJDB Configuration 9/10

Boom length: 90m, Boom to jib angle: 85°, Jib length: 24m~96m, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

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	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	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

SCC7000A-LJDB Configuration 10/10

Boom length: 96m, Boom to jib angle: 85°, Jib length: 24m~96m, Superlift radius: 21m, Superlift counterweight: 0t~360t, Rear counterweight: 210t, Carbody counterweight: 70t

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	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	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

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— Agent information —

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